

# Schema documentation for icp\_v1\_3.xsd

may 22, 2014

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## Namespace: "kb.se/ns/image\_capture\_performance"

### Schema(s)

#### Main schema icp\_v1\_3.xsd

|             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace   | kb.se/ns/image_capture_performance                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Annotations | <p>This is the xml schema for image capture performance data, developed by The National Library of Sweden, used for inhouse digitization projects.</p> <p>Reference to the latest version of xml schema:<br/> schemaLocation="http://www.kb.se/namespace/image_capture_performance/icp_v1.xsd"</p> <p>Recommended prefix for kb.se/ns/image_capture_performance: icp</p> <p>Current version: 1.3 (2014-05-08); (corr. 2014-05-22)</p> <p>Version history: In version 1.3, further changes has been made to allow for the use of multiple targets within a tns:imageData-element:<br/> Changed the name of tns:imageData/tns:patchMeasurements to tns:imageData/<br/> tns:colorExposureMeasurements<br/> Moved tns:imageData/tns:aggreateMeasurements to tns:imageData/tns:colorExposureMeasurements<br/> Removed attribute and key @nameOfTarget from tns:imageData/tns:colorExposureMeasurements/<br/> tns:aggreateMeasurements<br/> Moved tns:imageData/tns:periodicMeasurements, tns:imageData/tns:illuminationUniformity and<br/> tns:imageData/tns:opticalResolution the new element tns:imageData/tns:generalMeasurements. Updated<br/> relevant keys.<br/> Moved tns:imageData/tns:patchMeasurements/Patch/center to tns:imageData/tns:generalInformation/<br/> targetData/center.<br/> Added attribute @patchID to tns:imageData/tns:generalInformation/targetData/center<br/> Added key to tns:imageData/tns:generalInformation/targetData/center/@patchID and reference to this<br/> key from tns:imageData/tns:patchMeasurements/Patch/@patchID<br/> Moved tns:imageData/tns:aggregateMeasurements/resolution to tns:imageData/tns:generalInformation/<br/> opticalResolution<br/> Expanded the information contained in tns:imageData/tns:generalInformation/opticalResolution.<br/> Attribute and key @nameOfTarget should correspond to tns:qualityData/tns:targetData/@nameOfTarget</p> |

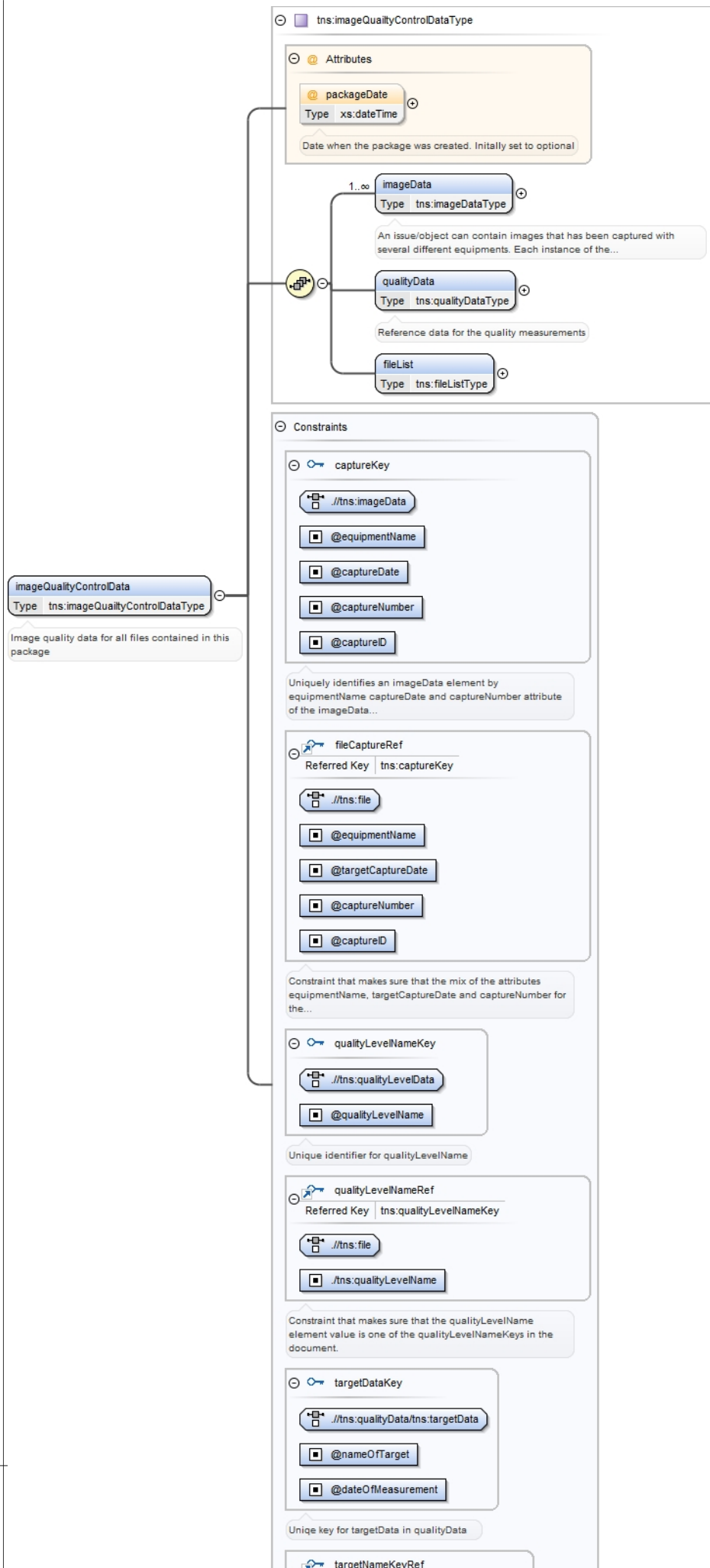
|            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|            | <p>Removed tns:imageData/tns:aggregateMeasurements/lengthOfTarget due to redundancy<br/> Renamed tns:colorExposureMeasurements/tns:patch to tns:colorExposureMeasurements/tns:patchMeasurements<br/> Updated constraints for the imageData element to support the new structure<br/> Moved resolution from aggregateMeasurements to generalMeasurements<br/> Renamed targetType to targetModel<br/> Added element targetDescription under tns:qualityData/tns:targetData<br/> Replaced tns:aggregateMeasurements/noise with new element tns:generalMeasurements/Tns:noise Added keys and constraints for @nameOfTarget and @patchID<br/> Some cardinality fixes</p> <p>In version 1.2, the following changed has been made to allow for the use of multiple targets within a tns:imageData-element: Added attribute nameOfTarget to tns:imageData/tns:generalInformation/tns:illuminationUniformity<br/> tns:imageData/tns:generalInformation/tns:periodicMeasurement<br/> tns:imageData/tns:patchMeasurements<br/> tns:imageData/tns:aggregateMeasurements;<br/> Renamed global target key "targetNameKey" to "targetDataKey"; Added a key in tns:imageData to make ./tns:generalINformation/@nameOfTarget unique within a tns:imageData element; Added reference to the afore mentioned @nameOfTarget-key in tns:imageData/tns:generalInformation/tns:illuminationUniformity tns:imageData/tns:generalInformation/tns:periodicMeasurement<br/> tns:imageData/tns:patchMeasurements<br/> tns:imageData/tns:aggregateMeasurements</p> <p>In version 1.1, the following changes has been made: Elements deltaL, deltaC, meanDeltaL and meanDeltaC are made optional (set to minOccurs="0"); correction of misspelled dateOfIlluminationMeasurement</p> |
| Properties | attribute form default: unqualified                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|            | element form default: qualified                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|            | version: 1.3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

## Element(s)

### Element tns:imageQualityControlData

|             |                                                            |
|-------------|------------------------------------------------------------|
| Namespace   | kb.se/ns/image_capture_performance                         |
| Annotations | Image quality data for all files contained in this package |

## Diagram

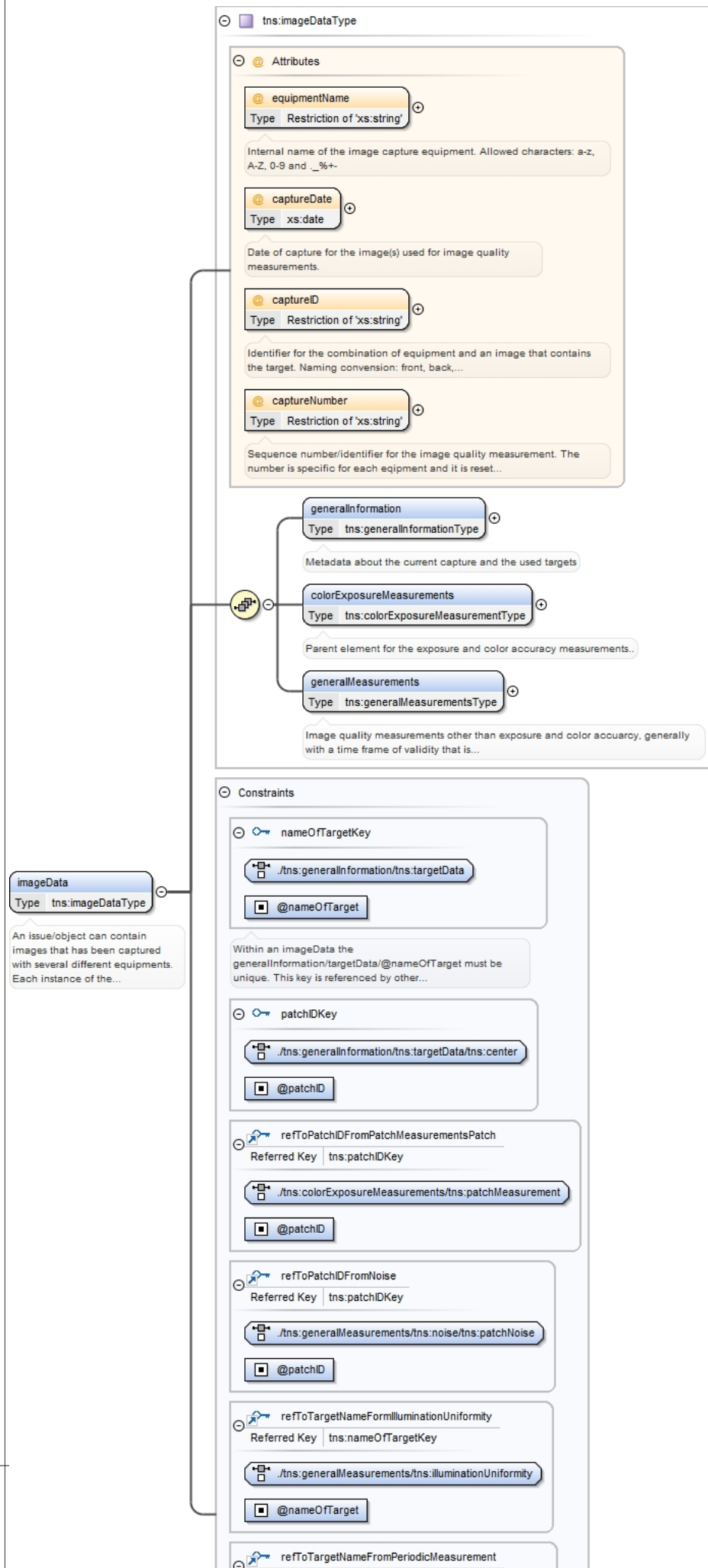


|            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                              |          |  |
|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------|----------|--|
| Type       | tns:imageQualityControlDataType                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                              |          |  |
| Properties | content: complex                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                              |          |  |
| Model      | tns:imageData+ , tns:qualityData , tns:fileList                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                              |          |  |
| Children   | tns:fileList, tns:imageData, tns:qualityData                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                              |          |  |
| Instance   | <pre>&lt;tns:imageQualityControlData packageDate="" xmlns:tns="kb.se/ns/image_capture_performance"&gt;   &lt;tns:imageData captureDate="" captureID="" captureNumber="" equipmentName=""&gt;{1,unbounded}&lt;/tns:imageData&gt;   &lt;tns:qualityData&gt;{1,1}&lt;/tns:qualityData&gt;   &lt;tns:fileList&gt;{1,1}&lt;/tns:fileList&gt; &lt;/tns:imageQualityControlData&gt;</pre>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                              |          |  |
| Attributes | QName                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Type                                                         | Use      |  |
|            | packageDate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | xs:dateTime                                                  | optional |  |
|            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Date when the package was created. Initially set to optional |          |  |
| Source     | <pre>&lt;xs:element name="imageQualityControlData" type="tns:imageQualityControlDataType"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation xml:lang="eng"&gt;Image quality data for all files contained in this package&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:key name="captureKey"&gt;     &lt;xs:annotation&gt;       &lt;xs:documentation xml:lang="eng"&gt;Uniquely identifies an imageData element by equipmentName captureDate and captureNumber attribute of the imageData element&lt;/xs:documentation&gt;     &lt;/xs:annotation&gt;     &lt;xs:selector xpath="//tns:imageData"/&gt;     &lt;xs:field xpath="@equipmentName"/&gt;     &lt;xs:field xpath="@captureDate"/&gt;     &lt;xs:field xpath="@captureNumber"/&gt;     &lt;xs:field xpath="@captureID"/&gt;   &lt;/xs:key&gt;   &lt;xs:keyref name="fileCaptureRef" refer="tns:captureKey"&gt;     &lt;xs:annotation&gt;       &lt;xs:documentation xml:lang="eng"&gt;Constraint that makes sure that the mix of the attributes equipmentName, targetCaptureDate and captureNumber for the file element matches a present captureKey in the document&lt;/xs:documentation&gt;     &lt;/xs:annotation&gt;     &lt;xs:selector xpath="//tns:file"/&gt;     &lt;xs:field xpath="@equipmentName"/&gt;     &lt;xs:field xpath="@targetCaptureDate"/&gt;     &lt;xs:field xpath="@captureNumber"/&gt;     &lt;xs:field xpath="@captureID"/&gt;   &lt;/xs:keyref&gt;   &lt;xs:key name="qualityLevelNameKey"&gt;     &lt;xs:annotation&gt;       &lt;xs:documentation xml:lang="eng"&gt;Unique identifier for qualityLevelName&lt;/xs:documentation&gt;     &lt;/xs:annotation&gt;     &lt;xs:selector xpath="//tns:qualityLevelData"/&gt;     &lt;xs:field xpath="@qualityLevelName"/&gt;   &lt;/xs:key&gt;   &lt;xs:keyref name="qualityLevelNameRef" refer="tns:qualityLevelNameKey"&gt;     &lt;xs:annotation&gt;       &lt;xs:documentation xml:lang="eng"&gt;Constraint that makes sure that the qualityLevelName element value is one of the qualityLevelNameKeys in the document.&lt;/xs:documentation&gt;     &lt;/xs:annotation&gt;     &lt;xs:selector xpath="//tns:file"/&gt;     &lt;xs:field xpath="tns:qualityLevelName"/&gt;   &lt;/xs:keyref&gt;   &lt;xs:key name="targetDataKey"&gt;     &lt;xs:annotation&gt;       &lt;xs:documentation xml:lang="eng"&gt;Unique key for targetData in qualityData&lt;/xs:documentation&gt;     &lt;/xs:annotation&gt;     &lt;xs:selector xpath="//tns:qualityData/tns:targetData"/&gt;     &lt;xs:field xpath="@nameOfTarget"/&gt;     &lt;xs:field xpath="@dateOfMeasurement"/&gt;   &lt;/xs:key&gt;   &lt;xs:keyref name="targetNameKeyRef" refer="tns:targetDataKey"&gt;     &lt;xs:annotation&gt;       &lt;xs:documentation xml:lang="eng"&gt;Key reference to qualityData/targetData&lt;/xs:documentation&gt;     &lt;/xs:annotation&gt;     &lt;xs:selector xpath="//tns:generalInformation/tns:targetData"/&gt;     &lt;xs:field xpath="@nameOfTarget"/&gt;     &lt;xs:field xpath="@dateOfPhysicalMeasurement"/&gt;   &lt;/xs:keyref&gt; &lt;/xs:element&gt;</pre> |                                                              |          |  |

**Element `tns:imageQualityControlDataType` / `tns:imageData`**

|             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace   | kb.se/ns/image_capture_performance                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Annotations | <p>An issue/object can contain images that has been captured with several different equipments. Each instance of the <code>imageData</code> element contains image quality data for a single image capture equipment. The image quality data is valid during a limited period of time, usually one day. Hence, the same piece of equipment can appear in several instances if it has been used on multiple occasions that involves a time span that is longer than the period of validity.</p> <p>For measurements that are valid for longer time frames, i.e. illumination uniformity, the measurement data are appended to the <code>imageData</code> element that contains the exposure and color accuracy measurements. This data cannot be stored separate instances of the element, as exposure and color accuracy data might not be obtainable in the illumination uniformity and noise measurements.</p> <p>Some scanners can simultaneously produce multiple images, generally of both sides of an object (front/back/left/right). For a number of scanners, it's impossible to identify if an image depicts the front or back side of an object. As a result, we cannot tie these images to a specific sensor (or sensors, if the image is stitched).</p> |

## Diagram



|            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |  |
|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|--|
| Type       | tns:imageDataType                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |  |
| Properties | content:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | complex                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |  |
|            | minOccurs:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 1                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |  |
|            | maxOccurs:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | unbounded                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |  |
| Model      | tns:generalInformation , tns:colorExposureMeasurements , tns:generalMeasurements                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |  |
| Children   | tns:colorExposureMeasurements, tns:generalInformation, tns:generalMeasurements                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |  |
| Instance   | <tns:imageData captureDate="" captureID="" captureNumber="" equipmentName="" xmlns:tns="kb.se/ns/image_capture_performance"><br><tns:generalInformation>{1,1}</tns:generalInformation><br><tns:colorExposureMeasurements nameOfTarget="">{1,1}</tns:colorExposureMeasurements><br><tns:generalMeasurements>{1,1}</tns:generalMeasurements><br></tns:imageData>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |  |
| Attributes | QName                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Type                                                                                                                                                                                                                                                                                                                                                                                                                                           | Use      |  |
|            | captureDate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | xs:date                                                                                                                                                                                                                                                                                                                                                                                                                                        | required |  |
|            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Date of capture for the image(s) used for image quality measurements.                                                                                                                                                                                                                                                                                                                                                                          |          |  |
|            | captureID                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | restriction of xs:string                                                                                                                                                                                                                                                                                                                                                                                                                       | required |  |
|            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Identifier for the combination of equipment and an image that contains the target. Naming convension: front, back, left, right, middle, single etc.<br>An identical attribute is used for the element captureEquipment. Allowed characters: a-z, A-Z, 0-9 and ._%+-                                                                                                                                                                            |          |  |
|            | captureNumber                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | restriction of xs:string                                                                                                                                                                                                                                                                                                                                                                                                                       | required |  |
|            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Sequence number/identifier for the image quality measurement. The number is specific for each equipment and it is reset daily. Included since we might want to perform several IQ measurements during a single day and we must be able to distinguish between them. Datatype is set to string to give the largest possible flexibility for the sequence numbering. Ordinary numbers are preferred. Allowed characters: a-z, A-Z, 0-9 and ._%+- |          |  |
|            | equipmentName                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | restriction of xs:string                                                                                                                                                                                                                                                                                                                                                                                                                       | required |  |
|            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Internal name of the image capture equipment. Allowed characters: a-z, A-Z, 0-9 and ._%+-                                                                                                                                                                                                                                                                                                                                                      |          |  |
| Source     | <xs:element type="tns:imageDataType" name="imageData" maxOccurs="unbounded" minOccurs="1"><br><xs:annotation><br><xs:documentation xml:lang="eng">An issue/object can contain images that has been captured with several different equipments. Each instance of the imageData element contains image quality data for a single image capture equipment. The image quality data is valid during a limited period of time, usually one day. Hence, the same piece of equipment can appear in several instances if it has been used on multiple occasions that involves a time span that is longer than the period of validity. For measurements that are valid for longer time frames, i.e. illumination uniformity, the measurement data are appended to the imageData element that contains the exposure and color accuracy measurements. This data cannot be stored separate instances of the element, as exposure and color accuracy data might not be obtainable in the illumination uniformity and noise measurements. Some scanners can simultaneously produce multiple images, generally of both sides of an object (front/back/left/right). For a number of scanners, it's impossible to identify if an image depicts the front or back side of an object. As a result, we cannot tie these images to a specific sensor (or sensors, if the image is stitched).</xs:documentation><br></xs:annotation><br><xs:key name="nameOfTargetKey"><br><xs:annotation><br><xs:documentation xml:lang="eng">Within an imageData the generalInformation/targetData/@nameOfTarget must be unique. This key is referenced by other elements under the same imageData element.</xs:documentation><br></xs:annotation><br><xs:selector xpath="./tns:generalInformation/tns:targetData"/><br><xs:field xpath="@nameOfTarget"/><br></xs:key><br><xs:key name="patchIDKey"><br><xs:selector xpath="./tns:generalInformation/tns:targetData/tns:center"/><br><xs:field xpath="@patchID"/><br></xs:key><br><xs:keyref refer="tns:patchIDKey" name="refToPatchIDFromPatchMeasurementsPatch"><br><xs:selector xpath="./tns:colorExposureMeasurements/tns:patchMeasurement"/><br><xs:field xpath="@patchID"/><br></xs:keyref><br><xs:keyref refer="tns:patchIDKey" name="refToPatchIDFromNoise"> |                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |  |

```

<xs:selector xpath="./tns:generalMeasurements/tns:noise/tns:patchNoise"/>
<xs:field xpath="@patchID"/>
</xs:keyref>
<xs:keyref refer="tns:nameOfTargetKey" name="refToTargetNameFormIlluminationUniformity">
  <xs:selector xpath="./tns:generalMeasurements/tns:illuminationUniformity"/>
  <xs:field xpath="@nameOfTarget"/>
</xs:keyref>
<xs:keyref refer="tns:nameOfTargetKey" name="refToTargetNameFromPeriodicMeasurement">
  <xs:selector xpath="./tns:generalMeasurements/tns:periodicMeasurement"/>
  <xs:field xpath="@nameOfTarget"/>
</xs:keyref>
<xs:keyref refer="tns:nameOfTargetKey" name="refToTargetNameFromColorExposureMeasurements">
  <xs:selector xpath="./tns:colorExposureMeasurements"/>
  <xs:field xpath="@nameOfTarget"/>
</xs:keyref>
<xs:keyref refer="tns:nameOfTargetKey" name="refToTargetNameFromOpticalResolution">
  <xs:selector xpath="./tns:generalMeasurements/tns:opticalResolution"/>
  <xs:field xpath="@nameOfTarget"/>
</xs:keyref>
<xs:keyref refer="tns:nameOfTargetKey" name="refToTargetNameFromResolution">
  <xs:selector xpath="./tns:generalMeasurements/tns:resolution"/>
  <xs:field xpath="@nameOfTarget"/>
</xs:keyref>
<xs:keyref refer="tns:nameOfTargetKey" name="refToTargetNameFromNoise">
  <xs:selector xpath="./tns:generalMeasurements/tns:noise"/>
  <xs:field xpath="@nameOfTarget"/>
</xs:keyref>
</xs:element>

```

## Element tns:imageDataType / tns:generalInformation

|             |                                                                                                                                                                                                                                                                                                   |
|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace   | kb.se/ns/image_capture_performance                                                                                                                                                                                                                                                                |
| Annotations | Metadata about the current capture and the used targets                                                                                                                                                                                                                                           |
| Diagram     |                                                                                                                                                                                                                                                                                                   |
| Type        | tns:generalInformationType                                                                                                                                                                                                                                                                        |
| Properties  | content: complex                                                                                                                                                                                                                                                                                  |
| Model       | tns:equipmentModel , tns:targetData+                                                                                                                                                                                                                                                              |
| Children    | tns:equipmentModel, tns:targetData                                                                                                                                                                                                                                                                |
| Instance    | <pre> &lt;tns:generalInformation xmlns:tns="kb.se/ns/image_capture_performance"&gt;   &lt;tns:equipmentModel&gt;{1,1}&lt;/tns:equipmentModel&gt;   &lt;tns:targetData dateOfPhysicalMeasurement="" nameOfTarget=""&gt;{1,unbounded}&lt;/tns:targetData&gt; &lt;/tns:generalInformation&gt; </pre> |
| Source      | <pre> &lt;xs:element type="tns:generalInformationType" name="generalInformation"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation xml:lang="eng"&gt;Metadata about the current capture and the used targets&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:element&gt; </pre>      |

## Element tns:generalInformationType / tns:equipmentModel

|             |                                                                                            |
|-------------|--------------------------------------------------------------------------------------------|
| Namespace   | kb.se/ns/image_capture_performance                                                         |
| Annotations | The model name of the image capture equipment. Allowed characters: a-z, A-Z, 0-9 and ._%+- |
| Diagram     |                                                                                            |
| Type        | restriction of xs:string                                                                   |
| Properties  | content: simple                                                                            |

|        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|--------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Facets | pattern [a-zA-Z0-9._%+ - ]+                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Source | <pre> &lt;xs:element name="equipmentModel"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation xml:lang="eng"&gt;The model name of the image capture equipment. Allowed characters: a-z, A-Z, 0-9 and ._%+ -&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:simpleType&gt;     &lt;xs:restriction base="xs:string"&gt;       &lt;xs:pattern value="[a-zA-Z0-9._%+ - ]+"/&gt;     &lt;/xs:restriction&gt;   &lt;/xs:simpleType&gt; &lt;/xs:element&gt; </pre> |

## Element tns:generalInformationType / tns:targetData

|            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace  | kb.se/ns/image_capture_performance                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Diagram    | <pre> classDiagram     class tns_capturedTargetType {         +nameOfTarget : Restriction of 'xs:string'         +dateOfPhysicalMeasurement : xs:date         +targetModel : Restriction of 'xs:string'         +dateOfTargetCapture : xs:dateTime         +numberOfPatches : Restriction of 'xs:short'         +dateOfProcessing : xs:dateTime         +measurementArea : xs:string         +targetUpsideDown : xs:boolean         +positionOfTarget : tns:positionOfTargetType         +center : Extension of 'tns:coordinateType'     }     class tns_targetData {         +tns_capturedTargetType     }     tns_targetData --&gt; tns_capturedTargetType </pre> <p><b>tns:capturedTargetType</b></p> <ul style="list-style-type: none"> <li><b>Attributes</b> <ul style="list-style-type: none"> <li><b>nameOfTarget</b> (Type: Restriction of 'xs:string')           <p>Must exist a nameOfTarget element with the same contents under generalInformation. Allowed characters: a-z, A-Z, 0-9...</p> </li> <li><b>dateOfPhysicalMeasurement</b> (Type: xs:date)           <p>Date when the target's real-world color values was measured</p> </li> </ul> </li> <li><b>Choice of Elements</b> <ul style="list-style-type: none"> <li><b>targetModel</b> (Type: Restriction of 'xs:string')           <p>The target model that was employed, e.g. ColorChecker SG. Allowed characters: a-z, A-Z, 0-9 and ._%+.</p> </li> <li><b>dateOfTargetCapture</b> (Type: xs:dateTime)           <p>Date of the capture of the image that contains the target.</p> </li> <li><b>numberOfPatches</b> (Type: Restriction of 'xs:short')           <p>The number of patches that is used for the measurements. Not necessary equal to the number of patches on the target...</p> </li> <li><b>dateOfProcessing</b> (Type: xs:dateTime)           <p>Date when the image quality measurements for this target were performed</p> </li> <li><b>measurementArea</b> (Type: xs:string)           <p>The size of the area that was used for image quality measurements, in pixels. E.g. 10x10.</p> </li> <li><b>targetUpsideDown</b> (Type: xs:boolean)           <p>Indicates if the target's orientation with regard to the contents in the image. 0/false corresponds to the target being...</p> </li> <li><b>positionOfTarget</b> (Type: tns:positionOfTargetType)           <p>The target's coordinates in the reference image. Only included when we store the image that contains the target.</p> </li> <li><b>center</b> (Type: Extension of 'tns:coordinateType')           <p>Coordinates for the center of the patch. Only used when the reference image, that contains the target, is saved.</p> </li> </ul> </li> </ul> |
| Type       | tns:capturedTargetType                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Properties | content: complex                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |

|            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                |          |  |
|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|----------|--|
|            | maxOccurs:unbounded                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                |          |  |
| Model      | tns:targetModel , tns:dateOfTargetCapture , tns:numberOfPatches , tns:dateOfProcessing , tns:measurementArea , tns:targetUpsideDown{0,1} , tns:positionOfTarget{0,1} , tns:center*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                |          |  |
| Children   | tns:center, tns:dateOfProcessing, tns:dateOfTargetCapture, tns:measurementArea, tns:numberOfPatches, tns:positionOfTarget, tns:targetModel, tns:targetUpsideDown                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                |          |  |
| Instance   | <pre>&lt;tns:targetData dateOfPhysicalMeasurement="" nameOfTarget="" xmlns:tns="kb.se/ns/image_capture_performance"&gt;   &lt;tns:targetModel&gt;{1,1}&lt;/tns:targetModel&gt;   &lt;tns:dateOfTargetCapture&gt;{1,1}&lt;/tns:dateOfTargetCapture&gt;   &lt;tns:numberOfPatches&gt;{1,1}&lt;/tns:numberOfPatches&gt;   &lt;tns:dateOfProcessing&gt;{1,1}&lt;/tns:dateOfProcessing&gt;   &lt;tns:measurementArea&gt;{1,1}&lt;/tns:measurementArea&gt;   &lt;tns:targetUpsideDown&gt;{0,1}&lt;/tns:targetUpsideDown&gt;   &lt;tns:positionOfTarget&gt;{0,1}&lt;/tns:positionOfTarget&gt;   &lt;tns:center patchID=""&gt;{0,unbounded}&lt;/tns:center&gt; &lt;/tns:targetData&gt;</pre> |                                                                                                                                |          |  |
| Attributes | QName                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Type                                                                                                                           | Use      |  |
|            | dateOfPhysicalMeasurement                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | xs:date                                                                                                                        | optional |  |
|            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Date when the target's real-world color values was measured                                                                    |          |  |
|            | nameOfTarget                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | restriction of xs:string                                                                                                       | required |  |
|            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Must exist a nameOfTarget element with the same contents under generalInformation. Allowed characters: a-z, A-Z, 0-9 and ._%+- |          |  |
| Source     | <xs:element name="targetData" type="tns:capturedTargetType" maxOccurs="unbounded"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                |          |  |

### Element tns:capturedTargetType / tns:targetModel

|             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                    |  |
|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|--|
| Namespace   | kb.se/ns/image_capture_performance                                                                                                                                                                                                                                                                                                                                                                                                                                                |                    |  |
| Annotations | The target model that was employed, e.g. ColorChecker SG. Allowed characters: a-z, A-Z, 0-9 and ._%+-                                                                                                                                                                                                                                                                                                                                                                             |                    |  |
| Diagram     | <div><div>targetModel</div><div>Type    Restriction of 'xs:string'</div></div> <div><div>restricts: xs:string</div></div> <div>The target model that was employed, e.g. ColorChecker SG. Allowed characters: a-z, A-Z, 0-9 and ._%+-</div>                                                                                                                                                                                                                                        |                    |  |
| Type        | restriction of xs:string                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                    |  |
| Properties  | content:                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | simple             |  |
| Facets      | pattern                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | [a-zA-Z0-9._%+- ]+ |  |
| Source      | <pre>&lt;xs:element name="targetModel"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation xml:lang="eng"&gt;The target model that was employed, e.g. ColorChecker SG.     Allowed characters: a-z, A-Z, 0-9 and ._%+-&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:simpleType&gt;     &lt;xs:restriction base="xs:string"&gt;       &lt;xs:pattern value="[a-zA-Z0-9._%+- ]+"/&gt;     &lt;/xs:restriction&gt;   &lt;/xs:simpleType&gt; &lt;/xs:element&gt;</pre> |                    |  |

### Element tns:capturedTargetType / tns:dateOfTargetCapture

|             |                                                                               |        |  |
|-------------|-------------------------------------------------------------------------------|--------|--|
| Namespace   | kb.se/ns/image_capture_performance                                            |        |  |
| Annotations | Date of the capture of the image that contains the target.                    |        |  |
| Diagram     |                                                                               |        |  |
| Type        | xs:dateTime                                                                   |        |  |
| Properties  | content:                                                                      | simple |  |
| Source      | <xs:element type="xs:dateTime" name="dateOfTargetCapture"><br><xs:annotation> |        |  |

```

<xs:documentation xml:lang="eng">Date of the capture of the image that contains the target.</
xs:documentation>
</xs:annotation>
</xs:element>

```

### Element `tns:capturedTargetType / tns:numberOfPatches`

|              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |              |        |            |   |
|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|--------|------------|---|
| Namespace    | kb.se/ns/image_capture_performance                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |              |        |            |   |
| Annotations  | The number of patches that is used for the measurements. Not necessary equal to the number of patches on the target. Minimum number of patches in Digidaily is twelve (six color patches and six grayscale patches)                                                                                                                                                                                                                                                                                                                                                                                        |              |        |            |   |
| Diagram      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |              |        |            |   |
| Type         | restriction of xs:short                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |              |        |            |   |
| Properties   | <table> <tr> <td>content:</td><td>simple</td></tr> <tr> <td>minOccurs:</td><td>1</td></tr> </table>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | content:     | simple | minOccurs: | 1 |
| content:     | simple                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |              |        |            |   |
| minOccurs:   | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |              |        |            |   |
| Facets       | <table> <tr> <td>minInclusive</td><td>0</td></tr> </table>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | minInclusive | 0      |            |   |
| minInclusive | 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |              |        |            |   |
| Source       | <pre> &lt;xs:element name="numberOfPatches" minOccurs="1"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation xml:lang="eng"&gt;The number of patches that is used for the measurements. Not     necessary equal to the number of patches on the target. Minimum number of patches in Digidaily is     twelve (six color patches and six grayscale patches)&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:simpleType&gt;     &lt;xs:restriction base="xs:short"&gt;       &lt;xs:minInclusive value="0"/&gt;     &lt;/xs:restriction&gt;   &lt;/xs:simpleType&gt; &lt;/xs:element&gt; </pre> |              |        |            |   |

### Element `tns:capturedTargetType / tns:dateOfProcessing`

|             |                                                                                                                                                                                                                                                                                                 |          |        |
|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|--------|
| Namespace   | kb.se/ns/image_capture_performance                                                                                                                                                                                                                                                              |          |        |
| Annotations | Date when the image quality measurements for this target were performed                                                                                                                                                                                                                         |          |        |
| Diagram     |                                                                                                                                                                                                                                                                                                 |          |        |
| Type        | xs:dateTime                                                                                                                                                                                                                                                                                     |          |        |
| Properties  | <table> <tr> <td>content:</td><td>simple</td></tr> </table>                                                                                                                                                                                                                                     | content: | simple |
| content:    | simple                                                                                                                                                                                                                                                                                          |          |        |
| Source      | <pre> &lt;xs:element name="dateOfProcessing" type="xs:dateTime"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation xml:lang="eng"&gt;Date when the image quality measurements for this target were     performed&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:element&gt; </pre> |          |        |

### Element `tns:capturedTargetType / tns:measurementArea`

|             |                                                                                           |          |        |
|-------------|-------------------------------------------------------------------------------------------|----------|--------|
| Namespace   | kb.se/ns/image_capture_performance                                                        |          |        |
| Annotations | The size of the area that was used for image quality measurements, in pixels. E.g. 10x10. |          |        |
| Diagram     |                                                                                           |          |        |
| Type        | xs:string                                                                                 |          |        |
| Properties  | <table> <tr> <td>content:</td><td>simple</td></tr> </table>                               | content: | simple |
| content:    | simple                                                                                    |          |        |

|        |                                                                                                                                                                                                                                                                                                              |
|--------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Source | <pre>&lt;xs:element type="xs:string" name="measurementArea"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation xml:lang="eng"&gt;The size of the area that was used for image quality     measurements, in pixels. E.g. 10x10.&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:element&gt;</pre> |
|--------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

## Element `tns:capturedTargetType` / `tns:targetUpsideDown`

|             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |        |            |   |
|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|--------|------------|---|
| Namespace   | kb.se/ns/image_capture_performance                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |        |            |   |
| Annotations | Indicates if the target's orientation with regard to the contents in the image. 0/false corresponds to the target being upsidedown with regard to the main content in the image. 1/true is the opposite. Only used when the target image is stored.                                                                                                                                                                                                                    |          |        |            |   |
| Diagram     | <p>targetUpsideDown<br/>Type xs:boolean</p> <p>xs:boolean<br/>Built-in primitive type. It defines the boolean values true and false.</p> <p>Indicates if the target's orientation with regard to the contents in the image. 0/false corresponds to the target being...</p>                                                                                                                                                                                             |          |        |            |   |
| Type        | xs:boolean                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |        |            |   |
| Properties  | <table> <tr> <td>content:</td><td>simple</td></tr> <tr> <td>minOccurs:</td><td>0</td></tr> </table>                                                                                                                                                                                                                                                                                                                                                                    | content: | simple | minOccurs: | 0 |
| content:    | simple                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |        |            |   |
| minOccurs:  | 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |        |            |   |
| Source      | <pre>&lt;xs:element type="xs:boolean" name="targetUpsideDown" minOccurs="0"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation xml:lang="eng"&gt;Indicates if the target's orientation with regard to the     contents in the image. 0/false corresponds to the target being upsidedown with regard to the     main content in the image. 1/true is the opposite. Only used when the target image is stored.&lt;/   &lt;/xs:annotation&gt; &lt;/xs:element&gt;</pre> |          |        |            |   |

## Element `tns:capturedTargetType` / `tns:positionOfTarget`

|             |                                                                                                                                                                                                                                                                                                                                                                   |          |         |            |   |
|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|---------|------------|---|
| Namespace   | kb.se/ns/image_capture_performance                                                                                                                                                                                                                                                                                                                                |          |         |            |   |
| Annotations | The target's coordinates in the reference image. Only included when we store the image that contains the target.                                                                                                                                                                                                                                                  |          |         |            |   |
| Diagram     | <p>positionOfTarget<br/>Type tns:positionOfTargetType</p> <p>tns:positionOfTargetType<br/>Coordinates for one corner of the target. Assumes a rectangular target. Only used when the target image is stored.</p> <p>The target's coordinates in the reference image. Only included when we store the image that contains the target.</p>                          |          |         |            |   |
| Type        | tns:positionOfTargetType                                                                                                                                                                                                                                                                                                                                          |          |         |            |   |
| Properties  | <table> <tr> <td>content:</td><td>complex</td></tr> <tr> <td>minOccurs:</td><td>0</td></tr> </table>                                                                                                                                                                                                                                                              | content: | complex | minOccurs: | 0 |
| content:    | complex                                                                                                                                                                                                                                                                                                                                                           |          |         |            |   |
| minOccurs:  | 0                                                                                                                                                                                                                                                                                                                                                                 |          |         |            |   |
| Model       | tns:corner{4,4}                                                                                                                                                                                                                                                                                                                                                   |          |         |            |   |
| Children    | tns:corner                                                                                                                                                                                                                                                                                                                                                        |          |         |            |   |
| Instance    | <pre>&lt;tns:positionOfTarget xmlns:tns="kb.se/ns/image_capture_performance"&gt;   &lt;tns:corner&gt;{4,4}&lt;/tns:corner&gt; &lt;/tns:positionOfTarget&gt;</pre>                                                                                                                                                                                                 |          |         |            |   |
| Source      | <pre>&lt;xs:element type="tns:positionOfTargetType" name="positionOfTarget" minOccurs="0"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation xml:lang="eng"&gt;The target's coordinates in the reference image. Only included     when we store the image that contains the target.&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:element&gt;</pre> |          |         |            |   |

## Element `tns:positionOfTargetType` / `tns:corner`

|             |                                                                                                                    |
|-------------|--------------------------------------------------------------------------------------------------------------------|
| Namespace   | kb.se/ns/image_capture_performance                                                                                 |
| Annotations | Coordinates for one corner of the target. Assumes a rectangular target. Only used when the target image is stored. |

|            |                                                                                                                                                                                                                                                                                                                                                                   |          |         |            |   |            |   |
|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|---------|------------|---|------------|---|
| Diagram    | <p>corner<br/>Type tns:coordinateType</p> <p>Coordinates for one corner of the target. Assumes a rectangular target. Only used when the target image is stored.</p> <p>tns:coordinateType</p> <p>X<br/>Type xs:int</p> <p>Y<br/>Type xs:int</p>                                                                                                                   |          |         |            |   |            |   |
| Type       | tns:coordinateType                                                                                                                                                                                                                                                                                                                                                |          |         |            |   |            |   |
| Properties | <table> <tr> <td>content:</td><td>complex</td></tr> <tr> <td>minOccurs:</td><td>4</td></tr> <tr> <td>maxOccurs:</td><td>4</td></tr> </table>                                                                                                                                                                                                                      | content: | complex | minOccurs: | 4 | maxOccurs: | 4 |
| content:   | complex                                                                                                                                                                                                                                                                                                                                                           |          |         |            |   |            |   |
| minOccurs: | 4                                                                                                                                                                                                                                                                                                                                                                 |          |         |            |   |            |   |
| maxOccurs: | 4                                                                                                                                                                                                                                                                                                                                                                 |          |         |            |   |            |   |
| Model      | tns:X , tns:Y                                                                                                                                                                                                                                                                                                                                                     |          |         |            |   |            |   |
| Children   | tns:X, tns:Y                                                                                                                                                                                                                                                                                                                                                      |          |         |            |   |            |   |
| Instance   | <pre>&lt;tns:corner xmlns:tns="kb.se/ns/image_capture_performance"&gt;   &lt;tns:X&gt;{1,1}&lt;/tns:X&gt;   &lt;tns:Y&gt;{1,1}&lt;/tns:Y&gt; &lt;/tns:corner&gt;</pre>                                                                                                                                                                                            |          |         |            |   |            |   |
| Source     | <pre>&lt;xs:element type="tns:coordinateType" name="corner" maxOccurs="4" minOccurs="4"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation xml:lang="eng"&gt;Coordinates for one corner of the target. Assumes a rectangular     target. Only used when the target image is stored.&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:element&gt;</pre> |          |         |            |   |            |   |

### Element tns:coordinateType / tns:X

|            |                                                                                                                                                                         |          |        |
|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|--------|
| Namespace  | kb.se/ns/image_capture_performance                                                                                                                                      |          |        |
| Diagram    | <p>X<br/>Type xs:int</p> <p>xs:int</p> <p>Built-in derived type. The int datatype is derived from long by setting the value of maxInclusive to be 2147483647 and...</p> |          |        |
| Type       | xs:int                                                                                                                                                                  |          |        |
| Properties | <table> <tr> <td>content:</td><td>simple</td></tr> </table>                                                                                                             | content: | simple |
| content:   | simple                                                                                                                                                                  |          |        |
| Source     | <pre>&lt;xs:element name="X" type="xs:int"/&gt;</pre>                                                                                                                   |          |        |

### Element tns:coordinateType / tns:Y

|            |                                                                                                                                                                         |          |        |
|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|--------|
| Namespace  | kb.se/ns/image_capture_performance                                                                                                                                      |          |        |
| Diagram    | <p>Y<br/>Type xs:int</p> <p>xs:int</p> <p>Built-in derived type. The int datatype is derived from long by setting the value of maxInclusive to be 2147483647 and...</p> |          |        |
| Type       | xs:int                                                                                                                                                                  |          |        |
| Properties | <table> <tr> <td>content:</td><td>simple</td></tr> </table>                                                                                                             | content: | simple |
| content:   | simple                                                                                                                                                                  |          |        |
| Source     | <pre>&lt;xs:element name="Y" type="xs:int"/&gt;</pre>                                                                                                                   |          |        |

### Element tns:capturedTargetType / tns:center

|             |                                                                                                                  |
|-------------|------------------------------------------------------------------------------------------------------------------|
| Namespace   | kb.se/ns/image_capture_performance                                                                               |
| Annotations | Coordinates for the center of the patch. Only used when the reference image, that contains the target, is saved. |

|                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                            |          |  |
|----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|--|
| Diagram        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                            |          |  |
| Type           | extension of tns:coordinateType                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                            |          |  |
| Type hierarchy | • tns:coordinateType                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                            |          |  |
| Properties     | content:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | complex                                                                                                                                                                    |          |  |
|                | minOccurs:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 0                                                                                                                                                                          |          |  |
|                | maxOccurs:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | unbounded                                                                                                                                                                  |          |  |
| Model          | tns:X , tns:Y                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                            |          |  |
| Children       | tns:X, tns:Y                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                            |          |  |
| Instance       | <pre>&lt;tns:center patchID="" xmlns:tns="kb.se/ns/image_capture_performance"&gt;   &lt;tns:X&gt;{1,1}&lt;/tns:X&gt;   &lt;tns:Y&gt;{1,1}&lt;/tns:Y&gt; &lt;/tns:center&gt;</pre>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                            |          |  |
| Attributes     | QName                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Type                                                                                                                                                                       | Use      |  |
|                | patchID                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | restriction of xs:short                                                                                                                                                    | required |  |
|                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | ID of the current patch. Matched against the ID of the real-world patch, as found in the corresponding attribute under targetData/colorValues. Allowed values: 1 or higher |          |  |
| Source         | <pre>&lt;xs:element name="center" minOccurs="0" maxOccurs="unbounded"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation xml:lang="eng"&gt;Coordinates for the center of the patch. Only used when the reference image, that contains the target, is saved.&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:complexType&gt;     &lt;xs:complexContent&gt;       &lt;xs:extension base="tns:coordinateType"&gt;         &lt;xs:attribute name="patchID" use="required"&gt;           &lt;xs:annotation&gt;             &lt;xs:documentation xml:lang="eng"&gt;ID of the current patch. Matched against the ID of the real-world patch, as found in the corresponding attribute under targetData/colorValues. Allowed values: 1 or higher&lt;/xs:documentation&gt;           &lt;/xs:annotation&gt;           &lt;xs:simpleType&gt;             &lt;xs:restriction base="xs:short"&gt;               &lt;xs:minInclusive value="1"/&gt;             &lt;/xs:restriction&gt;           &lt;/xs:simpleType&gt;         &lt;/xs:attribute&gt;       &lt;/xs:extension&gt;     &lt;/xs:complexContent&gt;   &lt;/xs:complexType&gt; &lt;/xs:element&gt;</pre> |                                                                                                                                                                            |          |  |

## Element tns:imageDataType / tns:colorExposureMeasurements

|             |                                                                   |
|-------------|-------------------------------------------------------------------|
| Namespace   | kb.se/ns/image_capture_performance                                |
| Annotations | Parent element for the exposure and color accuracy measurements.. |

|            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                |          |  |
|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|----------|--|
| Diagram    | <p>The diagram illustrates the structure of the <code>tns:colorExposureMeasurementType</code>. It is a complex type with the following components:</p> <ul style="list-style-type: none"><li><b>Attributes:</b><ul style="list-style-type: none"><li><code>nameOfTarget</code>: Type <code>Restriction of 'xs:string'</code>. Must exist a <code>nameOfTarget</code> element with the same contents under <code>generalInformation</code>. Allowed characters: a-z, A-Z, 0-9...</li></ul></li><li><b>Children:</b><ul style="list-style-type: none"><li><code>patchMeasurement</code>: Type <code>tns:patchType</code>. Occurs 12 to infinity times. Description: Image quality measurements for a single patch. At least twelve patches must be measured in Digidaily, six color patches...</li><li><code>aggregateMeasurements</code>: Type <code>tns:aggregateMeasurementsType</code>. Occurs once. Description: Parent element for all aggregate measurements.</li></ul></li></ul> <p>The <code>colorExposureMeasurements</code> type is the parent element for the exposure and color accuracy measurements.</p> |                                                                                                                                |          |  |
| Type       | tns:colorExposureMeasurementType                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                |          |  |
| Properties | content:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | complex                                                                                                                        |          |  |
| Model      | tns:patchMeasurement{12,unbounded} , tns:aggregateMeasurements                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                |          |  |
| Children   | tns:aggregateMeasurements, tns:patchMeasurement                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                |          |  |
| Instance   | <pre>&lt;tns:colorExposureMeasurements nameOfTarget="" xmlns:tns="kb.se/ns/image_capture_performance"&gt;   &lt;tns:patchMeasurement patchID=""&gt;{12,unbounded}&lt;/tns:patchMeasurement&gt;   &lt;tns:aggregateMeasurements&gt;{1,1}&lt;/tns:aggregateMeasurements&gt; &lt;/tns:colorExposureMeasurements&gt;</pre>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                |          |  |
| Attributes | QName                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Type                                                                                                                           | Use      |  |
|            | nameOfTarget                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | restriction of xs:string                                                                                                       | required |  |
|            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Must exist a nameOfTarget element with the same contents under generalInformation. Allowed characters: a-z, A-Z, 0-9 and ._%+- |          |  |
| Source     | <pre>&lt;xs:element type="tns:colorExposureMeasurementType" name="colorExposureMeasurements"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation xml:lang="eng"&gt;Parent element for the exposure and color accuracy     measurements..&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:element&gt;</pre>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                |          |  |

## Element tns:colorExposureMeasurementType / tns:patchMeasurement

|             |                                                                                                                                                    |
|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace   | kb.se/ns/image_capture_performance                                                                                                                 |
| Annotations | Image quality measurements for a single patch. At least twelve patches must be measured in Digidaily, six color patches and six grayscale patches. |

|            |                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                               |          |  |
|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|--|
| Diagram    |                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                               |          |  |
| Type       | tns:patchType                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                               |          |  |
| Properties | content:                                                                                                                                                                                                                                                                                                                                                                                      | complex                                                                                                                                                                       |          |  |
|            | minOccurs:                                                                                                                                                                                                                                                                                                                                                                                    | 12                                                                                                                                                                            |          |  |
|            | maxOccurs:                                                                                                                                                                                                                                                                                                                                                                                    | unbounded                                                                                                                                                                     |          |  |
| Model      | tns:colorValues , tns:deltaE , tns:deltaL{0,1} , tns:deltaC{0,1}                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                               |          |  |
| Children   | tns:colorValues, tns:deltaC, tns:deltaE, tns:deltaL                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                               |          |  |
| Instance   | <pre>&lt;tns:patchMeasurement patchID="" xmlns:tns="kb.se/ns/image_capture_performance"&gt;   &lt;tns:colorValues&gt;{1,1}&lt;/tns:colorValues&gt;   &lt;tns:deltaE&gt;{1,1}&lt;/tns:deltaE&gt;   &lt;tns:deltaL&gt;{0,1}&lt;/tns:deltaL&gt;   &lt;tns:deltaC&gt;{0,1}&lt;/tns:deltaC&gt; &lt;/tns:patchMeasurement&gt;</pre>                                                                 |                                                                                                                                                                               |          |  |
| Attributes | QName                                                                                                                                                                                                                                                                                                                                                                                         | Type                                                                                                                                                                          | Use      |  |
|            | patchID                                                                                                                                                                                                                                                                                                                                                                                       | restriction of xs:short                                                                                                                                                       | required |  |
|            |                                                                                                                                                                                                                                                                                                                                                                                               | ID of the current patch. Matched against the ID of the real-world patch, as found in the corresponding attribute under targetData/colorValues.<br>Allowed values: 1 or higher |          |  |
| Source     | <pre>&lt;xs:element type="tns:patchType" name="patchMeasurement" maxOccurs="unbounded" minOccurs="12"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation xml:lang="eng"&gt;Image quality measurements for a single patch. At least       twelve patches must be measured in Digidaily, six color patches and six grayscale patches.&lt;/   &lt;/xs:annotation&gt; &lt;/xs:element&gt;</pre> |                                                                                                                                                                               |          |  |

## Element tns:patchType / tns:colorValues

|             |                                     |
|-------------|-------------------------------------|
| Namespace   | kb.se/ns/image_capture_performance  |
| Annotations | Parent element for the color values |

|            |                                                                                                                                                                                                                                                                |
|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Diagram    |                                                                                                                                                                                                                                                                |
| Type       | tns:colorValuesType                                                                                                                                                                                                                                            |
| Properties | content: complex                                                                                                                                                                                                                                               |
| Model      | tns:L , tns:A , tns:B , tns:noise                                                                                                                                                                                                                              |
| Children   | tns:A, tns:B, tns:L, tns:noise                                                                                                                                                                                                                                 |
| Instance   | <pre>&lt;tns:colorValues xmlns:tns="kb.se/ns/image_capture_performance"&gt;   &lt;tns:L&gt;{1,1}&lt;/tns:L&gt;   &lt;tns:A&gt;{1,1}&lt;/tns:A&gt;   &lt;tns:B&gt;{1,1}&lt;/tns:B&gt;   &lt;tns:noise&gt;{1,1}&lt;/tns:noise&gt; &lt;/tns:colorValues&gt;</pre> |
| Source     | <pre>&lt;xs:element type="tns:colorValuesType" name="colorValues"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation xml:lang="eng"&gt;Parent element for the color values&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:element&gt;</pre>       |

### Element tns:colorValuesType / tns:L

|            |                                                                                                                                                                                                                                                                                      |
|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace  | kb.se/ns/image_capture_performance                                                                                                                                                                                                                                                   |
| Diagram    |                                                                                                                                                                                                                                                                                      |
| Type       | restriction of xs:float                                                                                                                                                                                                                                                              |
| Properties | content: simple<br>minOccurs: 1                                                                                                                                                                                                                                                      |
| Facets     | maxInclusive 100<br>minInclusive 0                                                                                                                                                                                                                                                   |
| Source     | <pre>&lt;xs:element name="L" minOccurs="1"&gt;   &lt;xs:simpleType&gt;     &lt;xs:restriction base="xs:float"&gt;       &lt;xs:minInclusive value="0"/&gt;       &lt;xs:maxInclusive value="100"/&gt;     &lt;/xs:restriction&gt;   &lt;/xs:simpleType&gt; &lt;/xs:element&gt;</pre> |

### Element tns:colorValuesType / tns:A

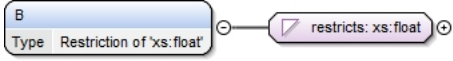
|            |                                                      |
|------------|------------------------------------------------------|
| Namespace  | kb.se/ns/image_capture_performance                   |
| Diagram    |                                                      |
| Type       | restriction of xs:float                              |
| Properties | content: simple<br>minOccurs: 1                      |
| Facets     | maxInclusive 100<br>minInclusive -100                |
| Source     | <pre>&lt;xs:element name="A" minOccurs="1"&gt;</pre> |

```

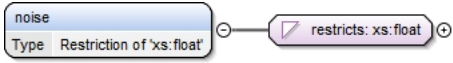
<xs:simpleType>
  <xs:restriction base="xs:float">
    <xs:minInclusive value="-100"/>
    <xs:maxInclusive value="100"/>
  </xs:restriction>
</xs:simpleType>
</xs:element>

```

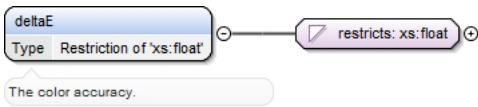
### Element `tns:colorValuesType` / `tns:B`

|              |                                                                                                                                                                                                                                                                                           |              |        |              |      |
|--------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|--------|--------------|------|
| Namespace    | kb.se/ns/image_capture_performance                                                                                                                                                                                                                                                        |              |        |              |      |
| Diagram      |                                                                                                                                                                                                          |              |        |              |      |
| Type         | restriction of xs:float                                                                                                                                                                                                                                                                   |              |        |              |      |
| Properties   | <table> <tr><td>content:</td><td>simple</td></tr> <tr><td>minOccurs:</td><td>1</td></tr> </table>                                                                                                                                                                                         | content:     | simple | minOccurs:   | 1    |
| content:     | simple                                                                                                                                                                                                                                                                                    |              |        |              |      |
| minOccurs:   | 1                                                                                                                                                                                                                                                                                         |              |        |              |      |
| Facets       | <table> <tr><td>maxInclusive</td><td>100</td></tr> <tr><td>minInclusive</td><td>-100</td></tr> </table>                                                                                                                                                                                   | maxInclusive | 100    | minInclusive | -100 |
| maxInclusive | 100                                                                                                                                                                                                                                                                                       |              |        |              |      |
| minInclusive | -100                                                                                                                                                                                                                                                                                      |              |        |              |      |
| Source       | <pre> &lt;xs:element name="B" minOccurs="1"&gt;   &lt;xs:simpleType&gt;     &lt;xs:restriction base="xs:float"&gt;       &lt;xs:minInclusive value="-100"/&gt;       &lt;xs:maxInclusive value="100"/&gt;     &lt;/xs:restriction&gt;   &lt;/xs:simpleType&gt; &lt;/xs:element&gt; </pre> |              |        |              |      |

### Element `tns:colorValuesType` / `tns:noise`

|              |                                                                                                                                                                                                                                   |              |        |
|--------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|--------|
| Namespace    | kb.se/ns/image_capture_performance                                                                                                                                                                                                |              |        |
| Diagram      |                                                                                                                                                |              |        |
| Type         | restriction of xs:float                                                                                                                                                                                                           |              |        |
| Properties   | <table> <tr><td>content:</td><td>simple</td></tr> </table>                                                                                                                                                                        | content:     | simple |
| content:     | simple                                                                                                                                                                                                                            |              |        |
| Facets       | <table> <tr><td>minInclusive</td><td>0</td></tr> </table>                                                                                                                                                                         | minInclusive | 0      |
| minInclusive | 0                                                                                                                                                                                                                                 |              |        |
| Source       | <pre> &lt;xs:element name="noise"&gt;   &lt;xs:simpleType&gt;     &lt;xs:restriction base="xs:float"&gt;       &lt;xs:minInclusive value="0"/&gt;     &lt;/xs:restriction&gt;   &lt;/xs:simpleType&gt; &lt;/xs:element&gt; </pre> |              |        |

### Element `tns:patchType` / `tns:deltaE`

|              |                                                                                                                                                                                        |              |        |              |   |
|--------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|--------|--------------|---|
| Namespace    | kb.se/ns/image_capture_performance                                                                                                                                                     |              |        |              |   |
| Annotations  | The color accuracy.                                                                                                                                                                    |              |        |              |   |
| Diagram      |                                                                                                     |              |        |              |   |
| Type         | restriction of xs:float                                                                                                                                                                |              |        |              |   |
| Properties   | <table> <tr><td>content:</td><td>simple</td></tr> </table>                                                                                                                             | content:     | simple |              |   |
| content:     | simple                                                                                                                                                                                 |              |        |              |   |
| Facets       | <table> <tr><td>maxInclusive</td><td>300</td></tr> <tr><td>minInclusive</td><td>0</td></tr> </table>                                                                                   | maxInclusive | 300    | minInclusive | 0 |
| maxInclusive | 300                                                                                                                                                                                    |              |        |              |   |
| minInclusive | 0                                                                                                                                                                                      |              |        |              |   |
| Source       | <pre> &lt;xs:element name="deltaE"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation xml:lang="eng"&gt;The color accuracy.&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; </pre> |              |        |              |   |

```

<xs:simpleType>
  <xs:restriction base="xs:float">
    <xs:minInclusive value="0"/>
    <xs:maxInclusive value="300"/>
  </xs:restriction>
</xs:simpleType>
</xs:element>

```

## Element `tns:patchType` / `tns:deltaL`

|              |                                                                                                                                                                                                                                                                                                                                                                                                                                         |              |        |              |   |
|--------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|--------|--------------|---|
| Namespace    | kb.se/ns/image_capture_performance                                                                                                                                                                                                                                                                                                                                                                                                      |              |        |              |   |
| Annotations  | The exposure accuracy.                                                                                                                                                                                                                                                                                                                                                                                                                  |              |        |              |   |
| Diagram      |                                                                                                                                                                                                                                                                                                                                                                                                                                         |              |        |              |   |
| Type         | restriction of xs:float                                                                                                                                                                                                                                                                                                                                                                                                                 |              |        |              |   |
| Properties   | <table> <tr> <td>content:</td><td>simple</td></tr> <tr> <td>minOccurs:</td><td>0</td></tr> </table>                                                                                                                                                                                                                                                                                                                                     | content:     | simple | minOccurs:   | 0 |
| content:     | simple                                                                                                                                                                                                                                                                                                                                                                                                                                  |              |        |              |   |
| minOccurs:   | 0                                                                                                                                                                                                                                                                                                                                                                                                                                       |              |        |              |   |
| Facets       | <table> <tr> <td>maxInclusive</td><td>100</td></tr> <tr> <td>minInclusive</td><td>0</td></tr> </table>                                                                                                                                                                                                                                                                                                                                  | maxInclusive | 100    | minInclusive | 0 |
| maxInclusive | 100                                                                                                                                                                                                                                                                                                                                                                                                                                     |              |        |              |   |
| minInclusive | 0                                                                                                                                                                                                                                                                                                                                                                                                                                       |              |        |              |   |
| Source       | <pre> &lt;xs:element name="deltaL" minOccurs="0"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation xml:lang="eng"&gt;The exposure accuracy.&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:simpleType&gt;     &lt;xs:restriction base="xs:float"&gt;       &lt;xs:minInclusive value="0"/&gt;       &lt;xs:maxInclusive value="100"/&gt;     &lt;/xs:restriction&gt;   &lt;/xs:simpleType&gt; &lt;/xs:element&gt; </pre> |              |        |              |   |

## Element `tns:patchType` / `tns:deltaC`

|              |                                                                                                                                                                                                                                                                                                                                                                                                                              |              |        |              |   |
|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|--------|--------------|---|
| Namespace    | kb.se/ns/image_capture_performance                                                                                                                                                                                                                                                                                                                                                                                           |              |        |              |   |
| Annotations  | Color cast.                                                                                                                                                                                                                                                                                                                                                                                                                  |              |        |              |   |
| Diagram      |                                                                                                                                                                                                                                                                                                                                                                                                                              |              |        |              |   |
| Type         | restriction of xs:float                                                                                                                                                                                                                                                                                                                                                                                                      |              |        |              |   |
| Properties   | <table> <tr> <td>content:</td><td>simple</td></tr> <tr> <td>minOccurs:</td><td>0</td></tr> </table>                                                                                                                                                                                                                                                                                                                          | content:     | simple | minOccurs:   | 0 |
| content:     | simple                                                                                                                                                                                                                                                                                                                                                                                                                       |              |        |              |   |
| minOccurs:   | 0                                                                                                                                                                                                                                                                                                                                                                                                                            |              |        |              |   |
| Facets       | <table> <tr> <td>maxInclusive</td><td>283</td></tr> <tr> <td>minInclusive</td><td>0</td></tr> </table>                                                                                                                                                                                                                                                                                                                       | maxInclusive | 283    | minInclusive | 0 |
| maxInclusive | 283                                                                                                                                                                                                                                                                                                                                                                                                                          |              |        |              |   |
| minInclusive | 0                                                                                                                                                                                                                                                                                                                                                                                                                            |              |        |              |   |
| Source       | <pre> &lt;xs:element name="deltaC" minOccurs="0"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation xml:lang="eng"&gt;Color cast.&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:simpleType&gt;     &lt;xs:restriction base="xs:float"&gt;       &lt;xs:minInclusive value="0"/&gt;       &lt;xs:maxInclusive value="283"/&gt;     &lt;/xs:restriction&gt;   &lt;/xs:simpleType&gt; &lt;/xs:element&gt; </pre> |              |        |              |   |

## Element `tns:colorExposureMeasurementType` / `tns:aggregateMeasurements`

|             |                                                |
|-------------|------------------------------------------------|
| Namespace   | kb.se/ns/image_capture_performance             |
| Annotations | Parent element for all aggregate measurements. |

|            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Diagram    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Type       | tns:aggregateMeasurementsType                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Properties | content: complex                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Model      | tns:maxDeltaE , tns:meanDeltaE , tns:maxDeltaL , tns:meanDeltaL , tns:maxDeltaC , tns:meanDeltaC , tns:gainModulation                                                                                                                                                                                                                                                                                                                                                                                               |
| Children   | tns:gainModulation, tns:maxDeltaC, tns:maxDeltaE, tns:maxDeltaL, tns:meanDeltaC, tns:meanDeltaE, tns:meanDeltaL                                                                                                                                                                                                                                                                                                                                                                                                     |
| Instance   | <pre>&lt;tns:aggregateMeasurements xmlns:tns="kb.se/ns/image_capture_performance"&gt;   &lt;tns:maxDeltaE&gt;{1,1}&lt;/tns:maxDeltaE&gt;   &lt;tns:meanDeltaE&gt;{1,1}&lt;/tns:meanDeltaE&gt;   &lt;tns:maxDeltaL&gt;{1,1}&lt;/tns:maxDeltaL&gt;   &lt;tns:meanDeltaL&gt;{1,1}&lt;/tns:meanDeltaL&gt;   &lt;tns:maxDeltaC&gt;{1,1}&lt;/tns:maxDeltaC&gt;   &lt;tns:meanDeltaC&gt;{1,1}&lt;/tns:meanDeltaC&gt;   &lt;tns:gainModulation&gt;{1,1}&lt;/tns:gainModulation&gt; &lt;/tns:aggregateMeasurements&gt;</pre> |
| Source     | <pre>&lt;xs:element type="tns:aggregateMeasurementsType" name="aggregateMeasurements"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation xml:lang="eng"&gt;Parent element for all aggregate measurements.&lt;/   &lt;/xs:annotation&gt; &lt;/xs:element&gt;</pre>                                                                                                                                                                                                                                                 |

## Element tns:aggregateMeasurementsType / tns:maxDeltaE

|             |                                                               |
|-------------|---------------------------------------------------------------|
| Namespace   | kb.se/ns/image_capture_performance                            |
| Annotations | Color accuracy. The maximum value for all applicable patches. |
| Diagram     |                                                               |
| Type        | restriction of xs:float                                       |
| Properties  | content: simple                                               |
|             | minOccurs: 1                                                  |

|        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |     |
|--------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|
| Facets | maxInclusive                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 300 |
|        | minInclusive                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 0   |
| Source | <pre> &lt;xs:element name="maxDeltaE" minOccurs="1"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation xml:lang="eng"&gt;Color accuracy. The maximum value for all applicable patches.&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:simpleType&gt;     &lt;xs:restriction base="xs:float"&gt;       &lt;xs:minInclusive value="0"/&gt;       &lt;xs:maxInclusive value="300"/&gt;     &lt;/xs:restriction&gt;   &lt;/xs:simpleType&gt; &lt;/xs:element&gt; </pre> |     |

### Element `tns:aggregateMeasurementsType` / `tns:meanDeltaE`

|             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |        |
|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
| Namespace   | kb.se/ns/image_capture_performance                                                                                                                                                                                                                                                                                                                                                                                                                                                             |        |
| Annotations | Color accuracy. The average value, computed using all applicable patches.                                                                                                                                                                                                                                                                                                                                                                                                                      |        |
| Diagram     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |        |
| Type        | restriction of xs:float                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |        |
| Properties  | content:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | simple |
|             | minOccurs:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 1      |
| Facets      | maxInclusive                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 300    |
|             | minInclusive                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 0      |
| Source      | <pre> &lt;xs:element name="meanDeltaE" minOccurs="1"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation xml:lang="eng"&gt;Color accuracy. The average value, computed using all applicable patches.&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:simpleType&gt;     &lt;xs:restriction base="xs:float"&gt;       &lt;xs:minInclusive value="0"/&gt;       &lt;xs:maxInclusive value="300"/&gt;     &lt;/xs:restriction&gt;   &lt;/xs:simpleType&gt; &lt;/xs:element&gt; </pre> |        |

### Element `tns:aggregateMeasurementsType` / `tns:maxDeltaL`

|             |                                                                                                                                                                                                                                                                                                                                                                                                                                              |        |
|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
| Namespace   | kb.se/ns/image_capture_performance                                                                                                                                                                                                                                                                                                                                                                                                           |        |
| Annotations | Exposure correctness. The maximum value for all applicable patches.                                                                                                                                                                                                                                                                                                                                                                          |        |
| Diagram     |                                                                                                                                                                                                                                                                                                                                                                                                                                              |        |
| Type        | restriction of xs:float                                                                                                                                                                                                                                                                                                                                                                                                                      |        |
| Properties  | content:                                                                                                                                                                                                                                                                                                                                                                                                                                     | simple |
|             | minOccurs:                                                                                                                                                                                                                                                                                                                                                                                                                                   | 1      |
| Facets      | maxInclusive                                                                                                                                                                                                                                                                                                                                                                                                                                 | 100    |
|             | minInclusive                                                                                                                                                                                                                                                                                                                                                                                                                                 | 0      |
| Source      | <pre> &lt;xs:element name="maxDeltaL" minOccurs="1"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation xml:lang="eng"&gt;Exposure correctness. The maximum value for all applicable patches.&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:simpleType&gt;     &lt;xs:restriction base="xs:float"&gt;       &lt;xs:minInclusive value="0"/&gt;     &lt;/xs:restriction&gt;   &lt;/xs:simpleType&gt; &lt;/xs:element&gt; </pre> |        |

```

    <xs:maxInclusive value="100"/>
  </xs:restriction>
</xs:simpleType>
</xs:element>

```

## Element `tns:aggregateMeasurementsType` / `tns:meanDeltaL`

|              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |              |        |              |   |
|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|--------|--------------|---|
| Namespace    | kb.se/ns/image_capture_performance                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |              |        |              |   |
| Annotations  | Exposure correctness. The average value, computed using all applicable patches.                                                                                                                                                                                                                                                                                                                                                                                                                      |              |        |              |   |
| Diagram      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |              |        |              |   |
| Type         | restriction of xs:float                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |              |        |              |   |
| Properties   | <table> <tr> <td>content:</td><td>simple</td></tr> <tr> <td>minOccurs:</td><td>1</td></tr> </table>                                                                                                                                                                                                                                                                                                                                                                                                  | content:     | simple | minOccurs:   | 1 |
| content:     | simple                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |              |        |              |   |
| minOccurs:   | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |              |        |              |   |
| Facets       | <table> <tr> <td>maxInclusive</td><td>100</td></tr> <tr> <td>minInclusive</td><td>0</td></tr> </table>                                                                                                                                                                                                                                                                                                                                                                                               | maxInclusive | 100    | minInclusive | 0 |
| maxInclusive | 100                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |              |        |              |   |
| minInclusive | 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |              |        |              |   |
| Source       | <pre> &lt;xs:element name="meanDeltaL" minOccurs="1"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation xml:lang="eng"&gt;Exposure correctness. The average value, computed using all applicable patches.&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:simpleType&gt;     &lt;xs:restriction base="xs:float"&gt;       &lt;xs:minInclusive value="0"/&gt;       &lt;xs:maxInclusive value="100"/&gt;     &lt;/xs:restriction&gt;   &lt;/xs:simpleType&gt; &lt;/xs:element&gt; </pre> |              |        |              |   |

## Element `tns:aggregateMeasurementsType` / `tns:maxDeltaC`

|              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |              |        |              |   |
|--------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|--------|--------------|---|
| Namespace    | kb.se/ns/image_capture_performance                                                                                                                                                                                                                                                                                                                                                                                                                                             |              |        |              |   |
| Annotations  | Color cast. The maximum value for all applicable patches.                                                                                                                                                                                                                                                                                                                                                                                                                      |              |        |              |   |
| Diagram      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |              |        |              |   |
| Type         | restriction of xs:float                                                                                                                                                                                                                                                                                                                                                                                                                                                        |              |        |              |   |
| Properties   | <table> <tr> <td>content:</td><td>simple</td></tr> <tr> <td>minOccurs:</td><td>1</td></tr> </table>                                                                                                                                                                                                                                                                                                                                                                            | content:     | simple | minOccurs:   | 1 |
| content:     | simple                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |              |        |              |   |
| minOccurs:   | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |              |        |              |   |
| Facets       | <table> <tr> <td>maxInclusive</td><td>283</td></tr> <tr> <td>minInclusive</td><td>0</td></tr> </table>                                                                                                                                                                                                                                                                                                                                                                         | maxInclusive | 283    | minInclusive | 0 |
| maxInclusive | 283                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |              |        |              |   |
| minInclusive | 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |              |        |              |   |
| Source       | <pre> &lt;xs:element name="maxDeltaC" minOccurs="1"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation xml:lang="eng"&gt;Color cast. The maximum value for all applicable patches.&lt;/ xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:simpleType&gt;     &lt;xs:restriction base="xs:float"&gt;       &lt;xs:minInclusive value="0"/&gt;       &lt;xs:maxInclusive value="283"/&gt;     &lt;/xs:restriction&gt;   &lt;/xs:simpleType&gt; &lt;/xs:element&gt; </pre> |              |        |              |   |

## Element `tns:aggregateMeasurementsType` / `tns:meanDeltaC`

|             |                                                                       |
|-------------|-----------------------------------------------------------------------|
| Namespace   | kb.se/ns/image_capture_performance                                    |
| Annotations | Color cast. The average value, computed using all applicable patches. |

|              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |              |        |              |   |
|--------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|--------|--------------|---|
| Diagram      | <p>Color cast. The average value, computed using all applicable patches.</p>                                                                                                                                                                                                                                                                                                                                                                                                               |              |        |              |   |
| Type         | restriction of xs:float                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |              |        |              |   |
| Properties   | <table> <tr> <td>content:</td><td>simple</td></tr> <tr> <td>minOccurs:</td><td>1</td></tr> </table>                                                                                                                                                                                                                                                                                                                                                                                        | content:     | simple | minOccurs:   | 1 |
| content:     | simple                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |              |        |              |   |
| minOccurs:   | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |              |        |              |   |
| Facets       | <table> <tr> <td>maxInclusive</td><td>283</td></tr> <tr> <td>minInclusive</td><td>0</td></tr> </table>                                                                                                                                                                                                                                                                                                                                                                                     | maxInclusive | 283    | minInclusive | 0 |
| maxInclusive | 283                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |              |        |              |   |
| minInclusive | 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |              |        |              |   |
| Source       | <pre> &lt;xs:element name="meanDeltaC" minOccurs="1"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation xml:lang="eng"&gt;Color cast. The average value, computed using all applicable patches.&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:simpleType&gt;     &lt;xs:restriction base="xs:float"&gt;       &lt;xs:minInclusive value="0"/&gt;       &lt;xs:maxInclusive value="283"/&gt;     &lt;/xs:restriction&gt;   &lt;/xs:simpleType&gt; &lt;/xs:element&gt; </pre> |              |        |              |   |

## Element tns:aggregateMeasurementsType / tns:gainModulation

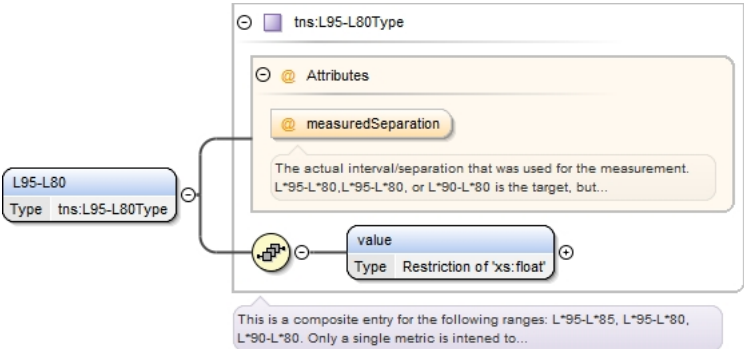
|             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |          |         |
|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|---------|
| Namespace   | kb.se/ns/image_capture_performance                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |         |
| Annotations | Data for the image quality metric gain modulation (tonseparation in Swedish). The name of each child element contains the approximate luminosity value of the two patches used for the measurement. Not all elements has to be used. Generally, measurements for one small intervall and one large intervall should be performed.                                                                                                                                                                                                                |          |         |
| Diagram     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |          |         |
| Type        | tns:gainModulationType                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |         |
| Properties  | <table> <tr> <td>content:</td><td>complex</td></tr> </table>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | content: | complex |
| content:    | complex                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |         |
| Model       | ((tns:L95-L80 , tns:L95-L90{0,1})   (tns:L95-L90)) , ((tns:L85-L20 , tns:L85-L10{0,1})   (tns:L85-L10))                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |         |
| Children    | tns:L85-L10, tns:L85-L20, tns:L95-L80, tns:L95-L90                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |         |
| Instance    | <pre> &lt;tns:gainModulation xmlns:tns="kb.se/ns/image_capture_performance"&gt;   &lt;tns:L95-L80 measuredSeparation=""&gt;{1,1}&lt;/tns:L95-L80&gt;   &lt;tns:L95-L90 measuredSeparation=""&gt;{0,1}&lt;/tns:L95-L90&gt;   &lt;tns:L95-L90 measuredSeparation=""&gt;{1,1}&lt;/tns:L95-L90&gt;   &lt;tns:L85-L20 measuredSeparation=""&gt;{1,1}&lt;/tns:L85-L20&gt;   &lt;tns:L85-L10 measuredSeparation=""&gt;{0,1}&lt;/tns:L85-L10&gt;   &lt;tns:L85-L10 measuredSeparation=""&gt;{1,1}&lt;/tns:L85-L10&gt; &lt;/tns:gainModulation&gt; </pre> |          |         |
| Source      | <pre> &lt;xs:element type="tns:gainModulationType" name="gainModulation"&gt;   &lt;xs:annotation&gt; </pre>                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |         |

```

<xs:documentation xml:lang="eng">Data for the image quality metric gain modulation
(tonseparation in Swedish). The name of each child element contains the approximate
luminosity value of the two patches used for the measurement. Not all elements has to be used.
Generally, measurements for one small intervall and one large intervall should be performed.</
xs:documentation>
</xs:annotation>
</xs:element>

```

## Element `tns:gainModulationType` / `tns:L95-L80`

|            |                                                                                                                                                                     |                                                                                                                                                                                           |          |  |
|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|--|
| Namespace  | kb.se/ns/image_capture_performance                                                                                                                                  |                                                                                                                                                                                           |          |  |
| Diagram    |                                                                                   |                                                                                                                                                                                           |          |  |
| Type       | tns:L95-L80Type                                                                                                                                                     |                                                                                                                                                                                           |          |  |
| Properties | content:                                                                                                                                                            | complex                                                                                                                                                                                   |          |  |
| Model      | tns:value                                                                                                                                                           |                                                                                                                                                                                           |          |  |
| Children   | tns:value                                                                                                                                                           |                                                                                                                                                                                           |          |  |
| Instance   | <pre>&lt;tns:L95-L80 measuredSeparation="" xmlns:tns="kb.se/ns/image_capture_performance"&gt;   &lt;tns:value&gt;{1,1}&lt;/tns:value&gt; &lt;/tns:L95-L80&gt;</pre> |                                                                                                                                                                                           |          |  |
| Attributes | QName                                                                                                                                                               | Type                                                                                                                                                                                      | Use      |  |
|            | measuredSeparation                                                                                                                                                  |                                                                                                                                                                                           | optional |  |
|            |                                                                                                                                                                     | The actual interval/separation that was used for the measurement. L*95-L*80, L*95-L*80, or L*90-L*80 is the target, but the target patches might result in a slightly different interval. |          |  |
| Source     | <pre>&lt;xs:element name="L95-L80" type="tns:L95-L80Type"/&gt;</pre>                                                                                                |                                                                                                                                                                                           |          |  |

## Element `tns:L95-L80Type` / `tns:value`

|            |                                                                                                                                                                                                                                 |        |  |
|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|--|
| Namespace  | kb.se/ns/image_capture_performance                                                                                                                                                                                              |        |  |
| Diagram    |                                                                                                                                              |        |  |
| Type       | restriction of xs:float                                                                                                                                                                                                         |        |  |
| Properties | content:                                                                                                                                                                                                                        | simple |  |
| Facets     | minInclusive                                                                                                                                                                                                                    | 0      |  |
| Source     | <pre>&lt;xs:element name="value"&gt;   &lt;xs:simpleType&gt;     &lt;xs:restriction base="xs:float"&gt;       &lt;xs:minInclusive value="0"/&gt;     &lt;/xs:restriction&gt;   &lt;/xs:simpleType&gt; &lt;/xs:element&gt;</pre> |        |  |

## Element `tns:gainModulationType` / `tns:L95-L90`

|           |                                    |
|-----------|------------------------------------|
| Namespace | kb.se/ns/image_capture_performance |
|-----------|------------------------------------|

|            |                                                                                                                                                                     |                                                                                                                                                                               |          |  |
|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|--|
| Diagram    |                                                                                                                                                                     |                                                                                                                                                                               |          |  |
| Type       | tns:L95-L90Type                                                                                                                                                     |                                                                                                                                                                               |          |  |
| Properties | content:                                                                                                                                                            | complex                                                                                                                                                                       |          |  |
|            | minOccurs:                                                                                                                                                          | 0                                                                                                                                                                             |          |  |
| Model      | tns:value                                                                                                                                                           |                                                                                                                                                                               |          |  |
| Children   | tns:value                                                                                                                                                           |                                                                                                                                                                               |          |  |
| Instance   | <pre>&lt;tns:L95-L90 measuredSeparation="" xmlns:tns="kb.se/ns/image_capture_performance"&gt;   &lt;tns:value&gt;{1,1}&lt;/tns:value&gt; &lt;/tns:L95-L90&gt;</pre> |                                                                                                                                                                               |          |  |
| Attributes | QName                                                                                                                                                               | Type                                                                                                                                                                          | Use      |  |
|            | measuredSeparation                                                                                                                                                  |                                                                                                                                                                               | optional |  |
|            |                                                                                                                                                                     | The actual interval/separation that was used for the measurement. L*95-L*90 or L*90-L*85 is the target, but the target patches might result in a slightly different interval. |          |  |
| Source     | <pre>&lt;xs:element name="L95-L90" minOccurs="0" type="tns:L95-L90Type"/&gt;</pre>                                                                                  |                                                                                                                                                                               |          |  |

### Element tns:L95-L90Type / tns:value

|            |                                                                                                                                                                                                                                 |        |  |
|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|--|
| Namespace  | kb.se/ns/image_capture_performance                                                                                                                                                                                              |        |  |
| Diagram    |                                                                                                                                              |        |  |
| Type       | restriction of xs:float                                                                                                                                                                                                         |        |  |
| Properties | content:                                                                                                                                                                                                                        | simple |  |
| Facets     | minInclusive                                                                                                                                                                                                                    | 0      |  |
| Source     | <pre>&lt;xs:element name="value"&gt;   &lt;xs:simpleType&gt;     &lt;xs:restriction base="xs:float"&gt;       &lt;xs:minInclusive value="0"/&gt;     &lt;/xs:restriction&gt;   &lt;/xs:simpleType&gt; &lt;/xs:element&gt;</pre> |        |  |

### Element tns:gainModulationType / tns:L85-L20

|           |                                    |  |  |  |
|-----------|------------------------------------|--|--|--|
| Namespace | kb.se/ns/image_capture_performance |  |  |  |
| Diagram   |                                    |  |  |  |
| Type      | tns:L85-L20Type                    |  |  |  |

|            |                                                                                                                                                                     |                                                                                                                                                                 |          |  |
|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|--|
| Properties | content: complex                                                                                                                                                    |                                                                                                                                                                 |          |  |
| Model      | tns:value                                                                                                                                                           |                                                                                                                                                                 |          |  |
| Children   | tns:value                                                                                                                                                           |                                                                                                                                                                 |          |  |
| Instance   | <pre>&lt;tns:L85-L20 measuredSeparation="" xmlns:tns="kb.se/ns/image_capture_performance"&gt;   &lt;tns:value&gt;{1,1}&lt;/tns:value&gt; &lt;/tns:L85-L20&gt;</pre> |                                                                                                                                                                 |          |  |
| Attributes | QName                                                                                                                                                               | Type                                                                                                                                                            | Use      |  |
|            | measuredSeparation                                                                                                                                                  |                                                                                                                                                                 | optional |  |
|            |                                                                                                                                                                     | The actual interval/separation that was used for the measurement. L85-L*20 is the target, but the target patches might result in a slightly different interval. |          |  |
| Source     | <pre>&lt;xs:element name="L85-L20" type="tns:L85-L20Type"/&gt;</pre>                                                                                                |                                                                                                                                                                 |          |  |

### Element tns:L85-L20Type / tns:value

|            |                                                                                                                                                                                                                                 |
|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace  | kb.se/ns/image_capture_performance                                                                                                                                                                                              |
| Diagram    |                                                                                                                                                                                                                                 |
| Type       | restriction of xs:float                                                                                                                                                                                                         |
| Properties | content: simple                                                                                                                                                                                                                 |
| Facets     | minInclusive 0                                                                                                                                                                                                                  |
| Source     | <pre>&lt;xs:element name="value"&gt;   &lt;xs:simpleType&gt;     &lt;xs:restriction base="xs:float"&gt;       &lt;xs:minInclusive value="0"/&gt;     &lt;/xs:restriction&gt;   &lt;/xs:simpleType&gt; &lt;/xs:element&gt;</pre> |

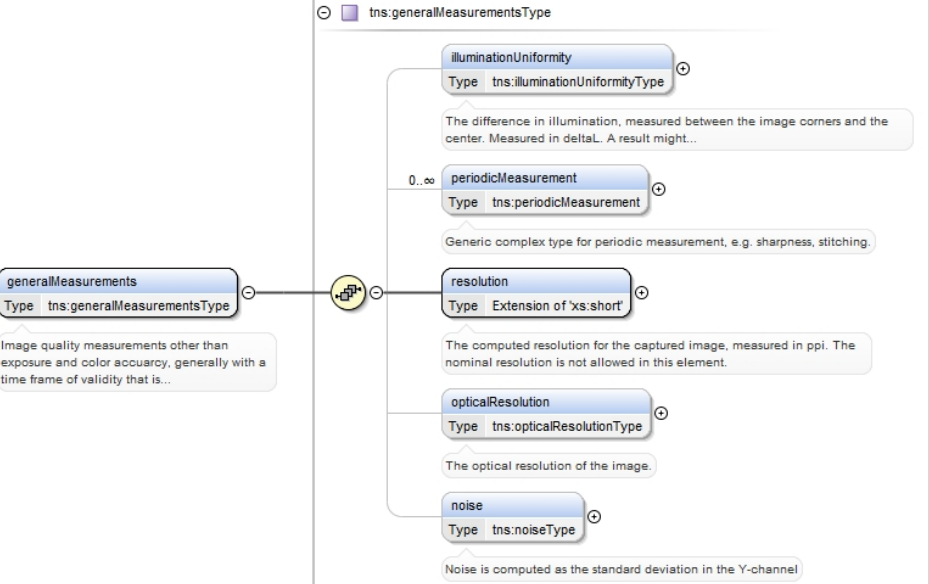
### Element tns:gainModulationType / tns:L85-L10

|            |                                                                                                                                |                                                                                                                                                                  |          |  |
|------------|--------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|--|
| Namespac   | kb.se/ns/image_capture_performance                                                                                             |                                                                                                                                                                  |          |  |
| Diagram    |                                                                                                                                |                                                                                                                                                                  |          |  |
| Type       | tns:L85-L10Type                                                                                                                |                                                                                                                                                                  |          |  |
| Properties | content:                                                                                                                       | complex                                                                                                                                                          |          |  |
|            | minOccurs:                                                                                                                     | 0                                                                                                                                                                |          |  |
|            | maxOccurs:                                                                                                                     | 1                                                                                                                                                                |          |  |
| Model      | tns:value                                                                                                                      |                                                                                                                                                                  |          |  |
| Children   | tns:value                                                                                                                      |                                                                                                                                                                  |          |  |
| Instance   | <tns:L85-L10 measuredSeparation="" xmlns:tns="kb.se/ns/image_capture_performance"> <tns:value>{1,1}</tns:value> </tns:L85-L10> |                                                                                                                                                                  |          |  |
| Attributes | QName                                                                                                                          | Type                                                                                                                                                             | Use      |  |
|            | measuredSeparation                                                                                                             |                                                                                                                                                                  | optional |  |
|            |                                                                                                                                | The actual interval/separation that was used for the measurement. L*85-L*10 is the target, but the target patches might result in a slightly different interval. |          |  |
| Source     | <xs:element name="L85-L10" maxOccurs="1" minOccurs="0" type="tns:L85-L10Type"/>                                                |                                                                                                                                                                  |          |  |

**Element tns:L85-L10Type / tns:value**

|            |                                                                                                                                                                                                                                   |
|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace  | kb.se/ns/image_capture_performance                                                                                                                                                                                                |
| Diagram    |                                                                                                                                                  |
| Type       | restriction of xs:float                                                                                                                                                                                                           |
| Properties | content: simple                                                                                                                                                                                                                   |
| Facets     | minInclusive 0                                                                                                                                                                                                                    |
| Source     | <pre> &lt;xs:element name="value"&gt;   &lt;xs:simpleType&gt;     &lt;xs:restriction base="xs:float"&gt;       &lt;xs:minInclusive value="0"/&gt;     &lt;/xs:restriction&gt;   &lt;/xs:simpleType&gt; &lt;/xs:element&gt; </pre> |

**Element tns:imageDataType / tns:generalMeasurements**

|             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace   | kb.se/ns/image_capture_performance                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Annotations | Image quality measurements other than exposure and color accuracy, generally with a time frame of validity that is longer than a single day                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Diagram     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Type        | tns:generalMeasurementsType                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Properties  | content: complex                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Model       | tns:illuminationUniformity{0,1} , tns:periodicMeasurement* , tns:resolution , tns:opticalResolution{0,1} , tns:noise{0,1}                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Children    | tns:illuminationUniformity, tns:noise, tns:opticalResolution, tns:periodicMeasurement, tns:resolution                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Instance    | <pre> &lt;tns:generalMeasurements xmlns:tns="kb.se/ns/image_capture_performance"&gt;   &lt;tns:illuminationUniformity nameOfTarget=""&gt;{0,1}&lt;/tns:illuminationUniformity&gt;   &lt;tns:periodicMeasurement measurementType="" nameOfTarget=""&gt;{0,unbounded}&lt;/tns:periodicMeasurement&gt;   &lt;tns:resolution nameOfTarget=""&gt;{1,1}&lt;/tns:resolution&gt;   &lt;tns:opticalResolution nameOfTarget=""&gt;{0,1}&lt;/tns:opticalResolution&gt;   &lt;tns:noise nameOfTarget=""&gt;{0,1}&lt;/tns:noise&gt; &lt;/tns:generalMeasurements&gt; </pre> |
| Source      | <pre> &lt;xs:element name="generalMeasurements" type="tns:generalMeasurementsType"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Image quality measurements other than exposure and color accuracy, generally with a time frame of validity that is longer than a single day&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:element&gt; </pre>                                                                                                                                                                                            |

**Element tns:generalMeasurementsType / tns:illuminationUniformity**

|           |                                    |
|-----------|------------------------------------|
| Namespace | kb.se/ns/image_capture_performance |
|-----------|------------------------------------|

|             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                |          |  |
|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|----------|--|
| Annotations | The difference in illumination, measured between the image corners and the center. Measured in deltaL. A result might be included for all possible object sizes or onxslly for element that corresponds to the size of the current object                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                |          |  |
| Diagram     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                |          |  |
| Type        | tns:illuminationUniformityType                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                |          |  |
| Properties  | content:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | complex                                                                                                                        |          |  |
|             | minOccurs:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 0                                                                                                                              |          |  |
| Model       | tns:illuminationUniformityValue , tns:dateOfIlluminationMeasurement , tns:daysSinceIlluminationMeasurement                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                |          |  |
| Children    | tns:dateOfIlluminationMeasurement, tns:daysSinceIlluminationMeasurement, tns:illuminationUniformityValue                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                |          |  |
| Instance    | <pre>&lt;tns:illuminationUniformity nameOfTarget="" xmlns:tns="kb.se/ns/image_capture_performance"&gt;   &lt;tns:illuminationUniformityValue size=""&gt;{1,1}&lt;/tns:illuminationUniformityValue&gt;   &lt;tns:dateOfIlluminationMeasurement&gt;{1,1}&lt;/tns:dateOfIlluminationMeasurement&gt;   &lt;tns:daysSinceIlluminationMeasurement&gt;{1,1}&lt;/tns:daysSinceIlluminationMeasurement&gt; &lt;/tns:illuminationUniformity&gt;</pre>                                                                                                                                                                                                                          |                                                                                                                                |          |  |
| Attributes  | QName                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Type                                                                                                                           | Use      |  |
|             | nameOfTarget                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | restriction of xs:string                                                                                                       | required |  |
|             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Must exist a nameOfTarget element with the same contents under generalInformation. Allowed characters: a-z, A-Z, 0-9 and ._%+- |          |  |
| Source      | <pre>&lt;xs:element name="illuminationUniformity" type="tns:illuminationUniformityType" minOccurs="0"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation xml:lang="eng"&gt;The difference in illumination, measured between the image corners and the center. Measured in deltaL. A result might be included for all possible object sizes or onxslly for element that corresponds to the size of the current object&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:unique name="uniqueSize"&gt;     &lt;xs:selector xpath="./tns:illuminationUniformityValue"/&gt;     &lt;xs:field xpath="@size"/&gt;   &lt;/xs:unique&gt; &lt;/xs:element&gt;</pre> |                                                                                                                                |          |  |

## Element tns:illuminationUniformityType / tns:illuminationUniformityValue

|             |                                                                                                                                                                                                           |
|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace   | kb.se/ns/image_capture_performance                                                                                                                                                                        |
| Annotations | The measured illumination uniformity for the size of the real-world object, in deltaL. The element that is closest to the real-world size of the object must be created. The other elements are optional. |
| Diagram     |                                                                                                                                                                                                           |

|                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                          |          |  |
|----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|----------|--|
| Type           | extension of tns:illuminationUniformityValueType                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                          |          |  |
| Type hierarchy | <ul style="list-style-type: none"> <li>xs:float</li> <li>tns:illuminationUniformityValueType</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                          |          |  |
| Properties     | content:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | complex                  |          |  |
|                | maxOccurs:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 1                        |          |  |
| Attributes     | QName                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Type                     | Use      |  |
|                | size                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | restriction of xs:string | required |  |
| Source         | <pre> &lt;xs:element name="illuminationUniformityValue" maxOccurs="1"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation xml:lang="eng"&gt;The measured illumination uniformity for the size of the real- world object, in deltaL. The element that is closest to the real-world size of the object must be created. The other elements are optional.&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:complexType&gt;     &lt;xs:simpleContent&gt;       &lt;xs:extension base="tns:illuminationUniformityValueType"&gt;         &lt;xs:attribute name="size" use="required"&gt;           &lt;xs:simpleType&gt;             &lt;xs:restriction base="xs:string"&gt;               &lt;xs:enumeration value="A1"/&gt;               &lt;xs:enumeration value="A2"/&gt;               &lt;xs:enumeration value="A3"/&gt;             &lt;/xs:restriction&gt;           &lt;/xs:simpleType&gt;         &lt;/xs:attribute&gt;       &lt;/xs:extension&gt;     &lt;/xs:simpleContent&gt;   &lt;/xs:complexType&gt; &lt;/xs:element&gt; </pre> |                          |          |  |

### Element tns:illuminationUniformityType / tns:dateOfIlluminationMeasurement

|             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |        |  |
|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|--|
| Namespace   | kb.se/ns/image_capture_performance                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |        |  |
| Annotations | Datetime of the last illumination measurement                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |        |  |
| Diagram     | <p>The diagram illustrates the relationship between the <code>dateOfIlluminationMeasurement</code> element and the <code>xs:dateTime</code> type. The element is shown with a blue border and a light blue background, with the text <code>dateOfIlluminationMeasurement</code> and <code>Type xs:dateTime</code>. A line connects the element to the <code>xs:dateTime</code> type, which is shown with a blue border and a light blue background, with the text <code>xs:dateTime</code>. A note explains that <code>xs:dateTime</code> is a built-in primitive type representing a specific instant of time.</p> |        |  |
| Type        | xs:dateTime                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |        |  |
| Properties  | content:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | simple |  |
| Source      | <pre>&lt;xs:element name="dateOfIlluminationMeasurement" type="xs:dateTime"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation xml:lang="eng"&gt;Datetime of the last illumination measurement&lt;/ xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:element&gt;</pre>                                                                                                                                                                                                                                                                                                                                       |        |  |

### Element tns:illuminationUniformityType / tns:daysSinceIlluminationMeasurement

|             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |        |  |
|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|--|
| Namespace   | kb.se/ns/image_capture_performance                                                                                                                                                                                                                                                                                                                                                                                                                                                      |        |  |
| Annotations | Days since the last illumination uniformity measurement                                                                                                                                                                                                                                                                                                                                                                                                                                 |        |  |
| Diagram     | <p>The diagram illustrates the relationship between the element <code>daysSinceIlluminationMeasurement</code> and the type <code>xs:short</code>. The element is shown as a box with a blue header and a yellow body, labeled "daysSinceIlluminationMeasurement" and "Type". A line connects it to a box labeled "restricts: xs:short", which has a purple header and a yellow body. A note below the element box states "Days since the last illumination uniformity measurement".</p> |        |  |
| Type        | restriction of xs:short                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |        |  |
| Properties  | content:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | simple |  |
| Facets      | minInclusive                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 0      |  |
| Source      | <code>&lt;xs:element name="daysSinceIlluminationMeasurement"&gt;</code>                                                                                                                                                                                                                                                                                                                                                                                                                 |        |  |

```

<xs:annotation>
  <xs:documentation xml:lang="eng">Days since the last illumination uniformity measurement</
xs:documentation>
</xs:annotation>
<xs:simpleType>
  <xs:restriction base="xs:short">
    <xs:minInclusive value="0"/>
  </xs:restriction>
</xs:simpleType>
</xs:element>

```

## Element tns:generalMeasurementsType / tns:periodicMeasurement

|             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                          |          |
|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|----------|
| Namespace   | kb.se/ns/image_capture_performance                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                          |          |
| Annotations | Generic complex type for periodic measurement, e.g. sharpness, stitching.                                                                                                                                                                                                                                                                                                                                                                                                                 |                          |          |
| Diagram     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                          |          |
| Type        | tns:periodicMeasurement                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                          |          |
| Properties  | content:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | complex                  |          |
|             | minOccurs:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 0                        |          |
|             | maxOccurs:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | unbounded                |          |
| Model       | tns:dateOfMeasurement , tns:daysSinceMeasurement , ((tns:resultString , tns:resultNumeric{0,1})   (tns:resultNumeric))                                                                                                                                                                                                                                                                                                                                                                    |                          |          |
| Children    | tns:dateOfMeasurement, tns:daysSinceMeasurement, tns:resultNumeric, tns:resultString                                                                                                                                                                                                                                                                                                                                                                                                      |                          |          |
| Instance    | <pre>&lt;tns:periodicMeasurement measurementType="" nameOfTarget="" xmlns:tns="kb.se/ns/ image_capture_performance"&gt;   &lt;tns:dateOfMeasurement&gt;{1,1}&lt;/tns:dateOfMeasurement&gt;   &lt;tns:daysSinceMeasurement&gt;{1,1}&lt;/tns:daysSinceMeasurement&gt;   &lt;tns:resultString&gt;{1,1}&lt;/tns:resultString&gt;   &lt;tns:resultNumeric&gt;{0,1}&lt;/tns:resultNumeric&gt;   &lt;tns:resultNumeric&gt;{1,1}&lt;/tns:resultNumeric&gt; &lt;/tns:periodicMeasurement&gt;</pre> |                          |          |
| Attributes  | QName                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Type                     | Use      |
|             | measurementType                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | restriction of xs:string | required |

|        |                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                |            |  |
|--------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|------------|--|
|        | <b>QName</b>                                                                                                                                                                                                                                                                                                                                   | <b>Type</b>                                                                                                                    | <b>Use</b> |  |
|        |                                                                                                                                                                                                                                                                                                                                                | Type of measurement, e.g. sharpness, stitching etc. Allowed characters: a-z, A-Z, 0-9 and ._%+-                                |            |  |
|        | <b>nameOfTarget</b>                                                                                                                                                                                                                                                                                                                            | restriction of xs:string                                                                                                       | required   |  |
|        |                                                                                                                                                                                                                                                                                                                                                | Must exist a nameOfTarget element with the same contents under generalInformation. Allowed characters: a-z, A-Z, 0-9 and ._%+- |            |  |
| Source | <pre>&lt;xs:element name="periodicMeasurement" type="tns:periodicMeasurement" maxOccurs="unbounded" minOccurs="0"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation xml:lang="eng"&gt;Generic complex type for periodic measurement, e.g. sharpness, stitching.&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:element&gt;</pre> |                                                                                                                                |            |  |

## Element tns:periodicMeasurement / tns:dateOfMeasurement

|             |                                                                                                                                                                                                                                                     |        |  |
|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|--|
| Namespace   | kb.se/ns/image_capture_performance                                                                                                                                                                                                                  |        |  |
| Annotations | Date of the periodic measurement                                                                                                                                                                                                                    |        |  |
| Diagram     |                                                                                                                                                                                                                                                     |        |  |
| Type        | xs:dateTime                                                                                                                                                                                                                                         |        |  |
| Properties  | content:                                                                                                                                                                                                                                            | simple |  |
| Source      | <pre>&lt;xs:element name="dateOfMeasurement" type="xs:dateTime"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation xml:lang="eng"&gt;Date of the periodic measurement&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:element&gt;</pre> |        |  |

## Element tns:periodicMeasurement / tns:daysSinceMeasurement

|             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |        |  |
|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|--|
| Namespace   | kb.se/ns/image_capture_performance                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |        |  |
| Annotations | Number of days since the measurement was performed                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |        |  |
| Diagram     | <p>The diagram illustrates the relationship between the <code>daysSinceMeasurement</code> element and the <code>restricts:xs:short</code> facet. The element is represented by a blue box labeled <code>daysSinceMeasurement</code> with the text "Type Restriction of 'xs:short'". The facet is represented by a purple box labeled <code>restricts:xs:short</code>. A line connects the two boxes, and a callout bubble points to the element box with the text "Number of days since the measurement was performed".</p> |        |  |
| Type        | restriction of xs:short                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |        |  |
| Properties  | content:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | simple |  |
| Facets      | minInclusive                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 0      |  |
| Source      | <pre>&lt;xs:element name="daysSinceMeasurement"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation xml:lang="eng"&gt;Number of days since the measurement was performed&lt;/ xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:simpleType&gt;     &lt;xs:restriction base="xs:short"&gt;       &lt;xs:minInclusive value="0"/&gt;     &lt;/xs:restriction&gt;   &lt;/xs:simpleType&gt; &lt;/xs:element&gt;</pre>                                                                                                     |        |  |

## Element tns:periodicMeasurement / tns:resultString

|           |                                    |  |  |
|-----------|------------------------------------|--|--|
| Namespace | kb.se/ns/image_capture_performance |  |  |
| Diagram   |                                    |  |  |

|            |                                                                             |                     |
|------------|-----------------------------------------------------------------------------|---------------------|
| Type       | tns:resultStringType                                                        |                     |
| Properties | content:                                                                    | simple              |
|            | minOccurs:                                                                  | 1                   |
| Facets     | pattern                                                                     | [a-zA-Z0-9._%+ - ]+ |
| Source     | <xs:element name="resultString" type="tns:resultStringType" minOccurs="1"/> |                     |

### Element tns:periodicMeasurement / tns:resultNumeric

|            |                                                                               |        |
|------------|-------------------------------------------------------------------------------|--------|
| Namespace  | kb.se/ns/image_capture_performance                                            |        |
| Diagram    |                                                                               |        |
| Type       | tns:resultNumericType                                                         |        |
| Properties | content:                                                                      | simple |
|            | minOccurs:                                                                    | 0      |
| Source     | <xs:element name="resultNumeric" type="tns:resultNumericType" minOccurs="0"/> |        |

### Element tns:generalMeasurementsType / tns:resolution

| Namespace    | kb.se/ns/image_capture_performance                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |      |     |              |  |          |  |
|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|------|-----|--------------|--|----------|--|
| Annotations  | The computed resolution for the captured image, measured in ppi. The nominal resolution is not allowed in this element.                                                                                                                                                                                                                                                                                                                                                                                                                        |          |      |     |              |  |          |  |
| Diagram      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |      |     |              |  |          |  |
| Type         | extension of xs:short                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |      |     |              |  |          |  |
| Properties   | content:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | complex  |      |     |              |  |          |  |
| Attributes   | <table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Use</th></tr> </thead> <tbody> <tr> <td>nameOfTarget</td><td></td><td>optional</td></tr> </tbody> </table>                                                                                                                                                                                                                                                                                                                                                                      | QName    | Type | Use | nameOfTarget |  | optional |  |
| QName        | Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Use      |      |     |              |  |          |  |
| nameOfTarget |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | optional |      |     |              |  |          |  |
| Source       | <pre> &lt;xs:element name="resolution"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;The computed resolution for the captured image, measured in ppi. The nominal     resolution is not allowed in this element.&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:complexType&gt;     &lt;xs:simpleContent&gt;       &lt;xs:extension base="xs:short"&gt;         &lt;xs:attribute name="nameOfTarget"/&gt;       &lt;/xs:extension&gt;     &lt;/xs:simpleContent&gt;   &lt;/xs:complexType&gt; &lt;/xs:element&gt; </pre> |          |      |     |              |  |          |  |

### Element tns:generalMeasurementsType / tns:opticalResolution

|             |                                      |
|-------------|--------------------------------------|
| Namespace   | kb.se/ns/image_capture_performance   |
| Annotations | The optical resolution of the image. |

|            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                |          |  |
|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|----------|--|
| Diagram    | <p>The diagram illustrates the structure of the <code>tns:opticalResolutionType</code>. It is a complex type with the following components:</p> <ul style="list-style-type: none"><li><b>Attribute:</b> <code>nameOfTarget</code> (Type: Restriction of 'xs:string'). Annotation: "Must exist a nameOfTarget element with the same contents under generalInformation. Allowed characters: a-z, A-Z, 0-9..."</li><li><b>Child Elements:</b><ul style="list-style-type: none"><li><code>dateOfIlluminationMeasurement</code> (Type: xs:dateTime). Annotation: "Datetime of the last optical resolution measurement"</li><li><code>daysSinceIlluminationMeasurement</code> (Type: Restriction of 'xs:short'). Annotation: "Days since the last measurement of opticalResolution measurement"</li><li><code>measuredResolution</code> (Type: Restriction of 'xs:float'). Annotation: "The measured optical resolution for the captured image, measured in ppi. The nominal resolution is not allowed in this..."</li></ul></li></ul> |                                                                                                                                |          |  |
| Type       | tns:opticalResolutionType                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                |          |  |
| Properties | content:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | complex                                                                                                                        |          |  |
|            | minOccurs:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 0                                                                                                                              |          |  |
| Model      | tns:dateOfIlluminationMeasurement , tns:daysSinceIlluminationMeasurement , tns:measuredResolution                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                |          |  |
| Children   | tns:dateOfIlluminationMeasurement, tns:daysSinceIlluminationMeasurement, tns:measuredResolution                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                |          |  |
| Instance   | <pre>&lt;tns:opticalResolution nameOfTarget="" xmlns:tns="kb.se/ns/image_capture_performance"&gt;   &lt;tns:dateOfIlluminationMeasurement&gt;{1,1}&lt;/tns:dateOfIlluminationMeasurement&gt;   &lt;tns:daysSinceIlluminationMeasurement&gt;{1,1}&lt;/tns:daysSinceIlluminationMeasurement&gt;   &lt;tns:measuredResolution&gt;{1,1}&lt;/tns:measuredResolution&gt; &lt;/tns:opticalResolution&gt;</pre>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                |          |  |
| Attributes | QName                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Type                                                                                                                           | Use      |  |
|            | nameOfTarget                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | restriction of xs:string                                                                                                       | required |  |
|            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Must exist a nameOfTarget element with the same contents under generalInformation. Allowed characters: a-z, A-Z, 0-9 and ._%+- |          |  |
| Source     | <pre>&lt;xs:element name="opticalResolution" type="tns:opticalResolutionType" minOccurs="0"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;The optical resolution of the image.&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:element&gt;</pre>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                |          |  |

### Element tns:opticalResolutionType / tns:dateOfIlluminationMeasurement

|             |                                                                                                                                                                                                                                                                                            |        |  |
|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|--|
| Namespace   | kb.se/ns/image_capture_performance                                                                                                                                                                                                                                                         |        |  |
| Annotations | Datetime of the last optical resolution measurement                                                                                                                                                                                                                                        |        |  |
| Diagram     | <p>The diagram illustrates the type definition for <code>dateOfIlluminationMeasurement</code>. It is shown as a simple type derived from the built-in primitive type <code>xs:dateTime</code>. A callout explains that <code>xs:dateTime</code> represents a specific instant of time.</p> |        |  |
| Type        | xs:dateTime                                                                                                                                                                                                                                                                                |        |  |
| Properties  | content:                                                                                                                                                                                                                                                                                   | simple |  |
| Source      | <pre>&lt;xs:element name="dateOfIlluminationMeasurement" type="xs:dateTime"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation xml:lang="eng"&gt;Datetime of the last optical resolution measurement&lt;/ xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:element&gt;</pre>        |        |  |

### Element tns:opticalResolutionType / tns:daysSinceIlluminationMeasurement

|           |                                    |
|-----------|------------------------------------|
| Namespace | kb.se/ns/image_capture_performance |
|-----------|------------------------------------|

|             |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Annotations | Days since the last measurement of opticalResolution measurement                                                                                                                                                                                                                                                                                                                                                                                   |
| Diagram     | <pre> graph LR     A[daysSinceIlluminationMeasurement<br/>Type Restriction of 'xs:short'] --- B[restricts: xs:short]     A --- C[Days since the last measurement of<br/>opticalResolution measurement] </pre>                                                                                                                                                                                                                                      |
| Type        | restriction of xs:short                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Properties  | content: simple                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Facets      | minInclusive 0                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Source      | <pre> &lt;xs:element name="daysSinceIlluminationMeasurement"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation xml:lang="eng"&gt;Days since the last measurement of opticalResolution measurement&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:simpleType&gt;     &lt;xs:restriction base="xs:short"&gt;       &lt;xs:minInclusive value="0"/&gt;     &lt;/xs:restriction&gt;   &lt;/xs:simpleType&gt; &lt;/xs:element&gt; </pre> |

### Element tns:opticalResolutionType / tns:measuredResolution

|             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace   | kb.se/ns/image_capture_performance                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Annotations | The measured optical resolution for the captured image, measured in ppi. The nominal resolution is not allowed in this element.                                                                                                                                                                                                                                                                                                                                                                    |
| Diagram     | <pre> graph LR     A[measuredResolution<br/>Type Restriction of 'xs:float'] --- B[restricts: xs:float]     A --- C[The measured optical resolution for the<br/>captured image, measured in ppi. The<br/>nominal resolution is not allowed in<br/>this...] </pre>                                                                                                                                                                                                                                   |
| Type        | restriction of xs:float                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Properties  | content: simple                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|             | minOccurs: 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Facets      | minInclusive 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Source      | <pre> &lt;xs:element minOccurs="1" name="measuredResolution"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;The measured optical resolution for the captured image, measured in ppi. The nominal resolution is not allowed in this element.&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:simpleType&gt;     &lt;xs:restriction base="xs:float"&gt;       &lt;xs:minInclusive value="0"/&gt;     &lt;/xs:restriction&gt;   &lt;/xs:simpleType&gt; &lt;/xs:element&gt; </pre> |

### Element tns:generalMeasurementsType / tns:noise

|             |                                                              |
|-------------|--------------------------------------------------------------|
| Namespace   | kb.se/ns/image_capture_performance                           |
| Annotations | Noise is computed as the standard deviation in the Y-channel |

| Diagram      |                                                                                                                                                                                                                                                                       |          |      |     |              |         |            |   |  |  |
|--------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|------|-----|--------------|---------|------------|---|--|--|
| Type         | tns:noiseType                                                                                                                                                                                                                                                         |          |      |     |              |         |            |   |  |  |
| Properties   | <table><tr><td>content:</td><td>complex</td></tr><tr><td>minOccurs:</td><td>0</td></tr></table>                                                                                                                                                                       |          |      |     | content:     | complex | minOccurs: | 0 |  |  |
| content:     | complex                                                                                                                                                                                                                                                               |          |      |     |              |         |            |   |  |  |
| minOccurs:   | 0                                                                                                                                                                                                                                                                     |          |      |     |              |         |            |   |  |  |
| Model        | tns:patchNoise+ , tns:maxNoise                                                                                                                                                                                                                                        |          |      |     |              |         |            |   |  |  |
| Children     | tns:maxNoise, tns:patchNoise                                                                                                                                                                                                                                          |          |      |     |              |         |            |   |  |  |
| Instance     | <pre>&lt;tns:noise nameOfTarget="" xmlns:tns="kb.se/ns/image_capture_performance"&gt;   &lt;tns:patchNoise patchID=""&gt;{1,unbounded}&lt;/tns:patchNoise&gt;   &lt;tns:maxNoise&gt;{1,1}&lt;/tns:maxNoise&gt; &lt;/tns:noise&gt;</pre>                               |          |      |     |              |         |            |   |  |  |
| Attributes   | <table><thead><tr><th>QName</th><th>Type</th><th>Use</th></tr></thead><tbody><tr><td>nameOfTarget</td><td></td><td>optional</td></tr></tbody></table>                                                                                                                 | QName    | Type | Use | nameOfTarget |         | optional   |   |  |  |
| QName        | Type                                                                                                                                                                                                                                                                  | Use      |      |     |              |         |            |   |  |  |
| nameOfTarget |                                                                                                                                                                                                                                                                       | optional |      |     |              |         |            |   |  |  |
| Source       | <pre>&lt;xs:element name="noise" type="tns:noiseType" minOccurs="0"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Noise is computed as the standard deviation in the Y-channel&lt;/ xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:element&gt;</pre> |          |      |     |              |         |            |   |  |  |

## Element tns:noiseType / tns:patchNoise

| Namespace   | kb.se/ns/image_capture_performance                                                                                                                                                                                                                                            |          |      |     |          |         |                         |          |            |           |  |  |
|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|------|-----|----------|---------|-------------------------|----------|------------|-----------|--|--|
| Annotations | Measured noise for individual patches                                                                                                                                                                                                                                         |          |      |     |          |         |                         |          |            |           |  |  |
| Diagram     |                                                                                                                                                                                                                                                                               |          |      |     |          |         |                         |          |            |           |  |  |
| Type        | tns:patchNoiseType                                                                                                                                                                                                                                                            |          |      |     |          |         |                         |          |            |           |  |  |
| Properties  | <table><tr><td>content:</td><td>complex</td></tr><tr><td>minOccurs:</td><td>1</td></tr><tr><td>maxOccurs:</td><td>unbounded</td></tr></table>                                                                                                                                 |          |      |     | content: | complex | minOccurs:              | 1        | maxOccurs: | unbounded |  |  |
| content:    | complex                                                                                                                                                                                                                                                                       |          |      |     |          |         |                         |          |            |           |  |  |
| minOccurs:  | 1                                                                                                                                                                                                                                                                             |          |      |     |          |         |                         |          |            |           |  |  |
| maxOccurs:  | unbounded                                                                                                                                                                                                                                                                     |          |      |     |          |         |                         |          |            |           |  |  |
| Model       | tns:noiseValue                                                                                                                                                                                                                                                                |          |      |     |          |         |                         |          |            |           |  |  |
| Children    | tns:noiseValue                                                                                                                                                                                                                                                                |          |      |     |          |         |                         |          |            |           |  |  |
| Instance    | <pre>&lt;tns:patchNoise patchID="" xmlns:tns="kb.se/ns/image_capture_performance"&gt;   &lt;tns:noiseValue&gt;{1,1}&lt;/tns:noiseValue&gt; &lt;/tns:patchNoise&gt;</pre>                                                                                                      |          |      |     |          |         |                         |          |            |           |  |  |
| Attributes  | <table><thead><tr><th>QName</th><th>Type</th><th>Use</th><th></th></tr></thead><tbody><tr><td>patchID</td><td>restriction of xs:short</td><td>required</td><td></td></tr></tbody></table>                                                                                     | QName    | Type | Use |          | patchID | restriction of xs:short | required |            |           |  |  |
| QName       | Type                                                                                                                                                                                                                                                                          | Use      |      |     |          |         |                         |          |            |           |  |  |
| patchID     | restriction of xs:short                                                                                                                                                                                                                                                       | required |      |     |          |         |                         |          |            |           |  |  |
| Source      | <pre>&lt;xs:element maxOccurs="unbounded" minOccurs="1" name="patchNoise" type="tns:patchNoiseType"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Measured noise for individual patches&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:element&gt;</pre> |          |      |     |          |         |                         |          |            |           |  |  |

```
</xs:annotation>
</xs:element>
```

## Element `tns:patchNoiseType` / `tns:noiseValue`

|            |                                                                                                     |          |        |            |   |
|------------|-----------------------------------------------------------------------------------------------------|----------|--------|------------|---|
| Namespace  | kb.se/ns/image_capture_performance                                                                  |          |        |            |   |
| Diagram    |                                                                                                     |          |        |            |   |
| Type       | xs:float                                                                                            |          |        |            |   |
| Properties | <table> <tr> <td>content:</td><td>simple</td></tr> <tr> <td>maxOccurs:</td><td>1</td></tr> </table> | content: | simple | maxOccurs: | 1 |
| content:   | simple                                                                                              |          |        |            |   |
| maxOccurs: | 1                                                                                                   |          |        |            |   |
| Source     | <pre>&lt;xs:element maxOccurs="1" name="noiseValue" type="xs:float"/&gt;</pre>                      |          |        |            |   |

## Element `tns:noiseType` / `tns:maxNoise`

|              |                                                                                                                                                                                                                                                                                                                                                                  |              |        |
|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|--------|
| Namespace    | kb.se/ns/image_capture_performance                                                                                                                                                                                                                                                                                                                               |              |        |
| Annotations  | The maximum noise value                                                                                                                                                                                                                                                                                                                                          |              |        |
| Diagram      |                                                                                                                                                                                                                                                                                                                                                                  |              |        |
| Type         | restriction of xs:float                                                                                                                                                                                                                                                                                                                                          |              |        |
| Properties   | <table> <tr> <td>content:</td><td>simple</td></tr> </table>                                                                                                                                                                                                                                                                                                      | content:     | simple |
| content:     | simple                                                                                                                                                                                                                                                                                                                                                           |              |        |
| Facets       | <table> <tr> <td>minInclusive</td><td>0</td></tr> </table>                                                                                                                                                                                                                                                                                                       | minInclusive | 0      |
| minInclusive | 0                                                                                                                                                                                                                                                                                                                                                                |              |        |
| Source       | <pre>&lt;xs:element name="maxNoise"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;The maximum noise value&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:simpleType&gt;     &lt;xs:restriction base="xs:float"&gt;       &lt;xs:minInclusive value="0"/&gt;     &lt;/xs:restriction&gt;   &lt;/xs:simpleType&gt; &lt;/xs:element&gt;</pre> |              |        |

## Element `tns:imageQualityControlDataType` / `tns:qualityData`

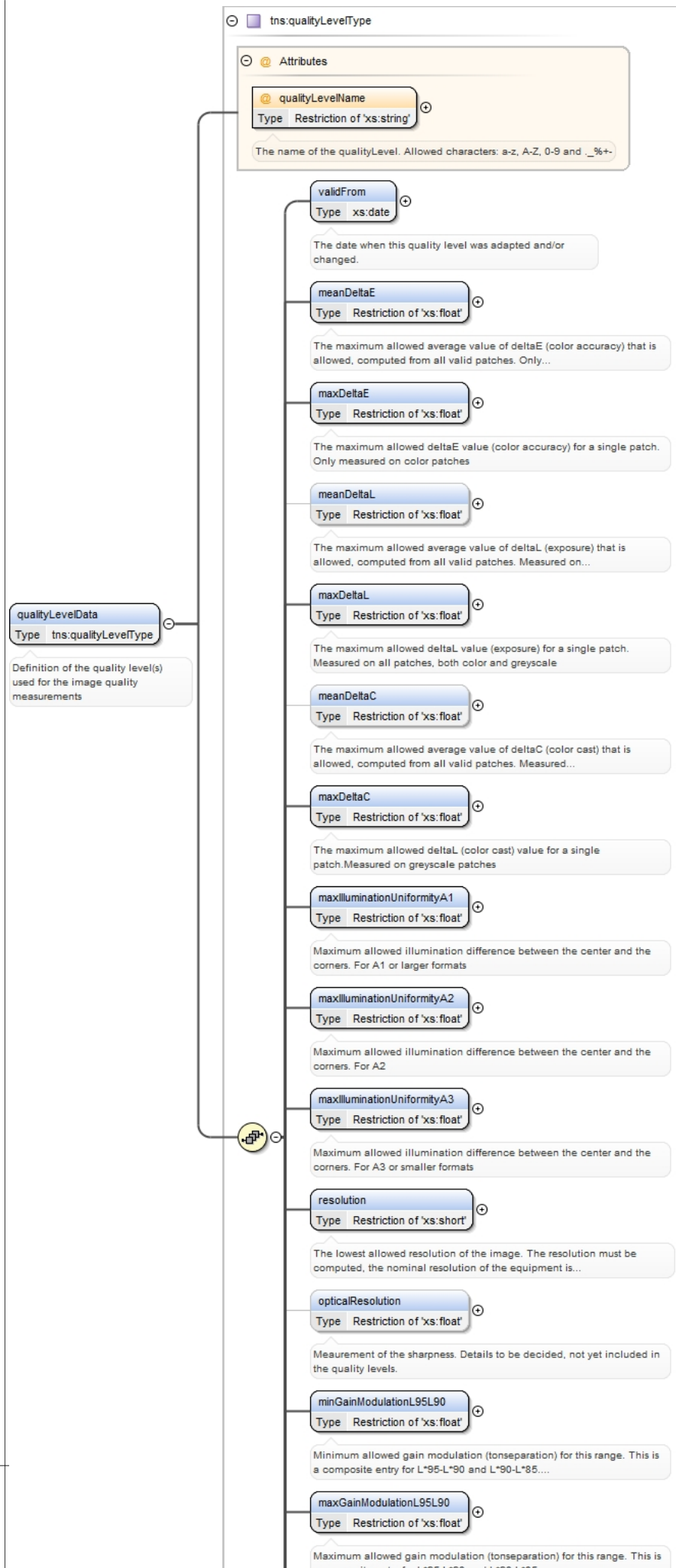
|             |                                             |
|-------------|---------------------------------------------|
| Namespace   | kb.se/ns/image_capture_performance          |
| Annotations | Reference data for the quality measurements |
| Diagram     |                                             |
| Type        | tns:qualityDataType                         |

|            |                                                                                                                                                                                                                                                                                                                                                                                                      |
|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Properties | content: complex                                                                                                                                                                                                                                                                                                                                                                                     |
| Model      | tns:qualityLevelData+ , tns:targetData+ , tns:selectionBatchData                                                                                                                                                                                                                                                                                                                                     |
| Children   | tns:qualityLevelData, tns:selectionBatchData, tns:targetData                                                                                                                                                                                                                                                                                                                                         |
| Instance   | <pre> &lt;tns:qualityData xmlns:tns="kb.se/ns/image_capture_performance"&gt;   &lt;tns:qualityLevelData qualityLevelName=""&gt;{1,unbounded}&lt;/tns:qualityLevelData&gt;   &lt;tns:targetData dateOfMeasurement="" nameOfTarget=""&gt;{1,unbounded}&lt;/tns:targetData&gt;   &lt;tns:selectionBatchData selectionBatchID=""&gt;{1,1}&lt;/tns:selectionBatchData&gt; &lt;/tns:qualityData&gt; </pre> |
| Source     | <pre> &lt;xs:element type="tns:qualityDataType" name="qualityData"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation xml:lang="eng"&gt;Reference data for the quality measurements&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:element&gt; </pre>                                                                                                                                   |

## Element tns:qualityDataType / tns:qualityLevelData

|             |                                                                            |
|-------------|----------------------------------------------------------------------------|
| Namespace   | kb.se/ns/image_capture_performance                                         |
| Annotations | Definition of the quality level(s) used for the image quality measurements |

## Diagram



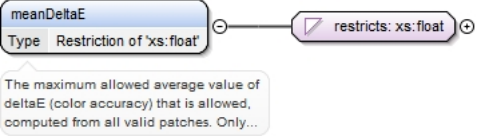
|            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                           |          |
|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------|----------|
| Type       | tns:qualityLevelType                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                           |          |
| Properties | content:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | complex                                                                   |          |
|            | maxOccurs:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | unbounded                                                                 |          |
| Model      | tns:validFrom , tns:meanDeltaE , tns:maxDeltaE , tns:meanDeltaL{0,1} , tns:maxDeltaL , tns:meanDeltaC{0,1} , tns:maxDeltaC , tns:maxIlluminationUniformityA1 , tns:maxIlluminationUniformityA2 , tns:maxIlluminationUniformityA3 , tns:resolution , tns:opticalResolution{0,1} , tns:minGainModulationL95L90 , tns:maxGainModulationL95L90 , tns:minGainModulationL95L80 , tns:maxGainModulationL95L80 , tns:minGainModulationL85L20 , tns:maxGainModulationL85L20 , tns:minGainModulationL85L10 , tns:maxGainModulationL85L10                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                           |          |
| Children   | tns:maxDeltaC , tns:maxDeltaE , tns:maxDeltaL , tns:maxGainModulationL85L10 , tns:maxGainModulationL85L20 , tns:maxGainModulationL95L80 , tns:maxGainModulationL95L90 , tns:maxIlluminationUniformityA1 , tns:maxIlluminationUniformityA2 , tns:maxIlluminationUniformityA3 , tns:meanDeltaC , tns:meanDeltaE , tns:meanDeltaL , tns:minGainModulationL85L10 , tns:minGainModulationL85L20 , tns:minGainModulationL95L80 , tns:minGainModulationL95L90 , tns:opticalResolution , tns:resolution , tns:validFrom                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                           |          |
| Instance   | <pre>&lt;tns:qualityLevelData qualityLevelName="" xmlns:tns="kb.se/ns/image_capture_performance"&gt;   &lt;tns:validFrom&gt;{1,1}&lt;/tns:validFrom&gt;   &lt;tns:meanDeltaE&gt;{1,1}&lt;/tns:meanDeltaE&gt;   &lt;tns:maxDeltaE&gt;{1,1}&lt;/tns:maxDeltaE&gt;   &lt;tns:meanDeltaL&gt;{0,1}&lt;/tns:meanDeltaL&gt;   &lt;tns:maxDeltaL&gt;{1,1}&lt;/tns:maxDeltaL&gt;   &lt;tns:meanDeltaC&gt;{0,1}&lt;/tns:meanDeltaC&gt;   &lt;tns:maxDeltaC&gt;{1,1}&lt;/tns:maxDeltaC&gt;   &lt;tns:maxIlluminationUniformityA1&gt;{1,1}&lt;/tns:maxIlluminationUniformityA1&gt;   &lt;tns:maxIlluminationUniformityA2&gt;{1,1}&lt;/tns:maxIlluminationUniformityA2&gt;   &lt;tns:maxIlluminationUniformityA3&gt;{1,1}&lt;/tns:maxIlluminationUniformityA3&gt;   &lt;tns:resolution&gt;{1,1}&lt;/tns:resolution&gt;   &lt;tns:opticalResolution&gt;{0,1}&lt;/tns:opticalResolution&gt;   &lt;tns:minGainModulationL95L90&gt;{1,1}&lt;/tns:minGainModulationL95L90&gt;   &lt;tns:maxGainModulationL95L90&gt;{1,1}&lt;/tns:maxGainModulationL95L90&gt;   &lt;tns:minGainModulationL95L80&gt;{1,1}&lt;/tns:minGainModulationL95L80&gt;   &lt;tns:maxGainModulationL95L80&gt;{1,1}&lt;/tns:maxGainModulationL95L80&gt;   &lt;tns:minGainModulationL85L20&gt;{1,1}&lt;/tns:minGainModulationL85L20&gt;   &lt;tns:maxGainModulationL85L20&gt;{1,1}&lt;/tns:maxGainModulationL85L20&gt;   &lt;tns:minGainModulationL85L10&gt;{1,1}&lt;/tns:minGainModulationL85L10&gt;   &lt;tns:maxGainModulationL85L10&gt;{1,1}&lt;/tns:maxGainModulationL85L10&gt; &lt;/tns:qualityLevelData&gt;</pre> |                                                                           |          |
| Attributes | QName                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Type                                                                      | Use      |
|            | qualityLevelName                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | restriction of xs:string                                                  | required |
|            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | The name of the qualityLevel. Allowed characters: a-z, A-Z, 0-9 and ._%+- |          |
| Source     | <pre>&lt;xs:element type="tns:qualityLevelType" name="qualityLevelData" maxOccurs="unbounded"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation xml:lang="eng"&gt;Definition of the quality level(s) used for the image quality measurements&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:element&gt;</pre>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                           |          |

### Element tns:qualityLevelType / tns:validFrom

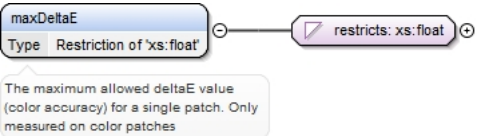
|             |                                                                                                                                                                                                                                                                     |        |  |
|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|--|
| Namespace   | kb.se/ns/image_capture_performance                                                                                                                                                                                                                                  |        |  |
| Annotations | The date when this quality level was adapted and/or changed.                                                                                                                                                                                                        |        |  |
| Diagram     |                                                                                                                                                                                                                                                                     |        |  |
| Type        | xs:date                                                                                                                                                                                                                                                             |        |  |
| Properties  | content:                                                                                                                                                                                                                                                            | simple |  |
| Source      | <pre>&lt;xs:element type="xs:date" name="validFrom"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation xml:lang="eng"&gt;The date when this quality level was adapted and/or changed.&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:element&gt;</pre> |        |  |

### Element tns:qualityLevelType / tns:meanDeltaE

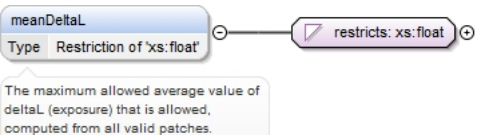
|           |                                    |  |  |
|-----------|------------------------------------|--|--|
| Namespace | kb.se/ns/image_capture_performance |  |  |
|-----------|------------------------------------|--|--|

|             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Annotations | The maximum allowed average value of deltaE (color accuracy) that is allowed, computed from all valid patches. Only measured on color patches                                                                                                                                                                                                                                                                                                                                                                                                        |
| Diagram     |  <p>The maximum allowed average value of deltaE (color accuracy) that is allowed, computed from all valid patches. Only...</p>                                                                                                                                                                                                                                                                                                                                      |
| Type        | restriction of xs:float                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Properties  | content: simple                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Facets      | maxInclusive 347<br>minInclusive 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Source      | <pre> &lt;xs:element name="meanDeltaE"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation xml:lang="eng"&gt;The maximum allowed average value of deltaE (color accuracy) that is allowed, computed from all valid patches. Only measured on color patches&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:simpleType&gt;     &lt;xs:restriction base="xs:float"&gt;       &lt;xs:minInclusive value="0"/&gt;       &lt;xs:maxInclusive value="347"/&gt;     &lt;/xs:restriction&gt;   &lt;/xs:simpleType&gt; &lt;/xs:element&gt; </pre> |

### Element tns:qualityLevelType / tns:maxDeltaE

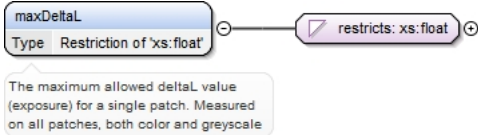
|             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace   | kb.se/ns/image_capture_performance                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Annotations | The maximum allowed deltaE value (color accuracy) for a single patch. Only measured on color patches                                                                                                                                                                                                                                                                                                                                                                                                       |
| Diagram     |  <p>The maximum allowed deltaE value (color accuracy) for a single patch. Only measured on color patches</p>                                                                                                                                                                                                                                                                                                            |
| Type        | restriction of xs:float                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Properties  | content: simple                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Facets      | maxInclusive 347<br>minInclusive 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Source      | <pre> &lt;xs:element name="maxDeltaE"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation xml:lang="eng"&gt;The maximum allowed deltaE value (color accuracy) for a single patch. Only measured on color patches&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:simpleType&gt;     &lt;xs:restriction base="xs:float"&gt;       &lt;xs:minInclusive value="0"/&gt;       &lt;xs:maxInclusive value="347"/&gt;     &lt;/xs:restriction&gt;   &lt;/xs:simpleType&gt; &lt;/xs:element&gt; </pre> |

### Element tns:qualityLevelType / tns:meanDeltaL

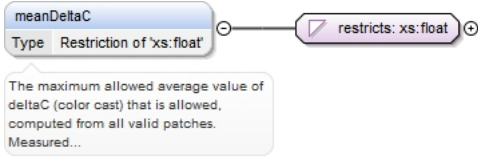
|             |                                                                                                                                                                                                                    |
|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace   | kb.se/ns/image_capture_performance                                                                                                                                                                                 |
| Annotations | The maximum allowed average value of deltaL (exposure) that is allowed, computed from all valid patches. Measured on all patches, both color and greyscale                                                         |
| Diagram     |  <p>The maximum allowed average value of deltaL (exposure) that is allowed, computed from all valid patches. Measured on...</p> |

|            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |        |
|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
| Type       | restriction of xs:float                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |        |
| Properties | content:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | simple |
|            | minOccurs:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 0      |
| Facets     | maxInclusive                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 200    |
|            | minInclusive                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 0      |
| Source     | <pre> &lt;xs:element name="meanDeltaL" minOccurs="0"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation xml:lang="eng"&gt;The maximum allowed average value of deltaL (exposure) that is allowed, computed from all valid patches. Measured on all patches, both color and greyscale&lt;/ xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:simpleType&gt;     &lt;xs:restriction base="xs:float"&gt;       &lt;xs:minInclusive value="0"/&gt;       &lt;xs:maxInclusive value="200"/&gt;     &lt;/xs:restriction&gt;   &lt;/xs:simpleType&gt; &lt;/xs:element&gt; </pre> |        |

### Element tns:qualityLevelType / tns:maxDeltaL

|             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |        |
|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
| Namespace   | kb.se/ns/image_capture_performance                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |        |
| Annotations | The maximum allowed deltaL value (exposure) for a single patch. Measured on all patches, both color and greyscale                                                                                                                                                                                                                                                                                                                                                                                                       |        |
| Diagram     |                                                                                                                                                                                                                                                                                                                                                                                                                                       |        |
| Type        | restriction of xs:float                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |        |
| Properties  | content:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | simple |
|             | minOccurs:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 0      |
| Facets      | maxInclusive                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 200    |
|             | minInclusive                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 0      |
| Source      | <pre> &lt;xs:element name="maxDeltaL"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation xml:lang="eng"&gt;The maximum allowed deltaL value (exposure) for a single patch. Measured on all patches, both color and greyscale&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:simpleType&gt;     &lt;xs:restriction base="xs:float"&gt;       &lt;xs:minInclusive value="0"/&gt;       &lt;xs:maxInclusive value="200"/&gt;     &lt;/xs:restriction&gt;   &lt;/xs:simpleType&gt; &lt;/xs:element&gt; </pre> |        |

### Element tns:qualityLevelType / tns:meanDeltaC

|             |                                                                                                                                               |        |
|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------|--------|
| Namespace   | kb.se/ns/image_capture_performance                                                                                                            |        |
| Annotations | The maximum allowed average value of deltaC (color cast) that is allowed, computed from all valid patches. Measured only on greyscale patches |        |
| Diagram     |                                                            |        |
| Type        | restriction of xs:float                                                                                                                       |        |
| Properties  | content:                                                                                                                                      | simple |
|             | minOccurs:                                                                                                                                    | 0      |
| Facets      | maxInclusive                                                                                                                                  | 283    |

|        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|--------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|        | minInclusive 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Source | <pre> &lt;xs:element name="meanDeltaC" minOccurs="0"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation xml:lang="eng"&gt;The maximum allowed average value of deltaC (color cast) that     is allowed, computed from all valid patches. Measured only on greyscale patches&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:simpleType&gt;     &lt;xs:restriction base="xs:float"&gt;       &lt;xs:minInclusive value="0"/&gt;       &lt;xs:maxInclusive value="283"/&gt;     &lt;/xs:restriction&gt;   &lt;/xs:simpleType&gt; &lt;/xs:element&gt; </pre> |

## Element tns:qualityLevelType / tns:maxDeltaC

|              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |              |     |              |   |
|--------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|-----|--------------|---|
| Namespace    | kb.se/ns/image_capture_performance                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |              |     |              |   |
| Annotations  | The maximum allowed deltaL (color cast) value for a single patch. Measured on greyscale patches                                                                                                                                                                                                                                                                                                                                                                                                           |              |     |              |   |
| Diagram      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |              |     |              |   |
| Type         | restriction of xs:float                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |              |     |              |   |
| Properties   | content: simple                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |              |     |              |   |
| Facets       | <table> <tr> <td>maxInclusive</td><td>283</td></tr> <tr> <td>minInclusive</td><td>0</td></tr> </table>                                                                                                                                                                                                                                                                                                                                                                                                    | maxInclusive | 283 | minInclusive | 0 |
| maxInclusive | 283                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |              |     |              |   |
| minInclusive | 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |              |     |              |   |
| Source       | <pre> &lt;xs:element name="maxDeltaC"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation xml:lang="eng"&gt;The maximum allowed deltaL (color cast) value for a single     patch. Measured on greyscale patches&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:simpleType&gt;     &lt;xs:restriction base="xs:float"&gt;       &lt;xs:minInclusive value="0"/&gt;       &lt;xs:maxInclusive value="283"/&gt;     &lt;/xs:restriction&gt;   &lt;/xs:simpleType&gt; &lt;/xs:element&gt; </pre> |              |     |              |   |

## Element tns:qualityLevelType / tns:maxIlluminationUniformityA1

|              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |              |     |              |   |
|--------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|-----|--------------|---|
| Namespace    | kb.se/ns/image_capture_performance                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |              |     |              |   |
| Annotations  | Maximum allowed illumination difference between the center and the corners. For A1 or larger formats                                                                                                                                                                                                                                                                                                                                                                                                                             |              |     |              |   |
| Diagram      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |              |     |              |   |
| Type         | restriction of xs:float                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |              |     |              |   |
| Properties   | content: simple                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |              |     |              |   |
| Facets       | <table> <tr> <td>maxInclusive</td><td>200</td></tr> <tr> <td>minInclusive</td><td>0</td></tr> </table>                                                                                                                                                                                                                                                                                                                                                                                                                           | maxInclusive | 200 | minInclusive | 0 |
| maxInclusive | 200                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |              |     |              |   |
| minInclusive | 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |              |     |              |   |
| Source       | <pre> &lt;xs:element name="maxIlluminationUniformityA1"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation xml:lang="eng"&gt;Maximum allowed illumination difference between the center and     the corners. For A1 or larger formats&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:simpleType&gt;     &lt;xs:restriction base="xs:float"&gt;       &lt;xs:minInclusive value="0"/&gt;       &lt;xs:maxInclusive value="200"/&gt;     &lt;/xs:restriction&gt;   &lt;/xs:simpleType&gt; &lt;/xs:element&gt; </pre> |              |     |              |   |

```
</xs:simpleType>
</xs:element>
```

## Element `tns:qualityLevelType` / `tns:maxIlluminationUniformityA2`

|              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |              |     |              |   |
|--------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|-----|--------------|---|
| Namespace    | kb.se/ns/image_capture_performance                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |              |     |              |   |
| Annotations  | Maximum allowed illumination difference between the center and the corners. For A2                                                                                                                                                                                                                                                                                                                                                                                                                       |              |     |              |   |
| Diagram      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |              |     |              |   |
| Type         | restriction of xs:float                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |              |     |              |   |
| Properties   | content: simple                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |              |     |              |   |
| Facets       | <table> <tr> <td>maxInclusive</td><td>200</td></tr> <tr> <td>minInclusive</td><td>0</td></tr> </table>                                                                                                                                                                                                                                                                                                                                                                                                   | maxInclusive | 200 | minInclusive | 0 |
| maxInclusive | 200                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |              |     |              |   |
| minInclusive | 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |              |     |              |   |
| Source       | <pre>&lt;xs:element name="maxIlluminationUniformityA2"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation xml:lang="eng"&gt;Maximum allowed illumination difference between the center and the corners. For A2&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:simpleType&gt;     &lt;xs:restriction base="xs:float"&gt;       &lt;xs:minInclusive value="0"/&gt;       &lt;xs:maxInclusive value="200"/&gt;     &lt;/xs:restriction&gt;   &lt;/xs:simpleType&gt; &lt;/xs:element&gt;</pre> |              |     |              |   |

## Element `tns:qualityLevelType` / `tns:maxIlluminationUniformityA3`

|              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |              |     |              |   |
|--------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|-----|--------------|---|
| Namespace    | kb.se/ns/image_capture_performance                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |              |     |              |   |
| Annotations  | Maximum allowed illumination difference between the center and the corners. For A3 or smaller formats                                                                                                                                                                                                                                                                                                                                                                                                                       |              |     |              |   |
| Diagram      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |              |     |              |   |
| Type         | restriction of xs:float                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |              |     |              |   |
| Properties   | content: simple                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |              |     |              |   |
| Facets       | <table> <tr> <td>maxInclusive</td><td>200</td></tr> <tr> <td>minInclusive</td><td>0</td></tr> </table>                                                                                                                                                                                                                                                                                                                                                                                                                      | maxInclusive | 200 | minInclusive | 0 |
| maxInclusive | 200                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |              |     |              |   |
| minInclusive | 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |              |     |              |   |
| Source       | <pre>&lt;xs:element name="maxIlluminationUniformityA3"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation xml:lang="eng"&gt;Maximum allowed illumination difference between the center and the corners. For A3 or smaller formats&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:simpleType&gt;     &lt;xs:restriction base="xs:float"&gt;       &lt;xs:minInclusive value="0"/&gt;       &lt;xs:maxInclusive value="200"/&gt;     &lt;/xs:restriction&gt;   &lt;/xs:simpleType&gt; &lt;/xs:element&gt;</pre> |              |     |              |   |

## Element `tns:qualityLevelType` / `tns:resolution`

|             |                                                                                                                                      |
|-------------|--------------------------------------------------------------------------------------------------------------------------------------|
| Namespace   | kb.se/ns/image_capture_performance                                                                                                   |
| Annotations | The lowest allowed resolution of the image. The resolution must be computed, the nominal resolution of the equipment is not allowed. |

|            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Diagram    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Type       | restriction of xs:short                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Properties | content: simple                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Facets     | minInclusive 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Source     | <pre> &lt;xs:element name="resolution"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation xml:lang="eng"&gt;The lowest allowed resolution of the image. The resolution must     be computed, the nominal resolution of the equipment is not allowed.&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:simpleType&gt;     &lt;xs:restriction base="xs:short"&gt;       &lt;xs:minInclusive value="0"/&gt;     &lt;/xs:restriction&gt;   &lt;/xs:simpleType&gt; &lt;/xs:element&gt; </pre> |

### Element tns:qualityLevelType / tns:opticalResolution

|             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace   | kb.se/ns/image_capture_performance                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Annotations | Meaurement of the sharpness. Details to be decided, not yet included in the quality levels.                                                                                                                                                                                                                                                                                                                                                                                      |
| Diagram     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Type        | restriction of xs:float                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Properties  | content: simple<br>minOccurs: 0                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Facets      | minInclusive 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Source      | <pre> &lt;xs:element minOccurs="0" name="opticalResolution"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation xml:lang="eng"&gt;Meaurement of the sharpness. Details to be decided, not yet     included in the quality levels.&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:simpleType&gt;     &lt;xs:restriction base="xs:float"&gt;       &lt;xs:minInclusive value="0"/&gt;     &lt;/xs:restriction&gt;   &lt;/xs:simpleType&gt; &lt;/xs:element&gt; </pre> |

### Element tns:qualityLevelType / tns:minGainModulationL95L90

|             |                                                                                                                                                                                      |
|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace   | kb.se/ns/image_capture_performance                                                                                                                                                   |
| Annotations | Minimum allowed gain modulation (tonseparation) for this range. This is a composite entry for L*95-L*90 and L*90-L*85. The two metrics are not intended to be used at the same time. |
| Diagram     |                                                                                                                                                                                      |
| Type        | restriction of xs:float                                                                                                                                                              |
| Properties  | content: simple                                                                                                                                                                      |
| Facets      | minInclusive 0                                                                                                                                                                       |

|        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|--------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Source | <pre> &lt;xs:element name="minGainModulationL95L90"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation xml:lang="eng"&gt;Minimum allowed gain modulation (tonseparation) for this range. This is a composite entry for L*95-L*90 and L*90-L*85. The two metrics are not intended to be used at the same time.&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:simpleType&gt;     &lt;xs:restriction base="xs:float"&gt;       &lt;xs:minInclusive value="0"/&gt;     &lt;/xs:restriction&gt;   &lt;/xs:simpleType&gt; &lt;/xs:element&gt; </pre> |
|--------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

## Element `tns:qualityLevelType` / `tns:maxGainModulationL95L90`

|             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace   | kb.se/ns/image_capture_performance                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Annotations | Maximum allowed gain modulation (tonseparation) for this range. This is a composite entry for L*95-L*90 and L*90-L*85. The two metrics are not intended to be used at the same time.                                                                                                                                                                                                                                                                                                                                                                          |
| Diagram     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Type        | restriction of xs:float                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Properties  | content: simple                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Facets      | minInclusive 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Source      | <pre> &lt;xs:element name="maxGainModulationL95L90"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation xml:lang="eng"&gt;Maximum allowed gain modulation (tonseparation) for this range. This is a composite entry for L*95-L*90 and L*90-L*85. The two metrics are not intended to be used at the same time.&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:simpleType&gt;     &lt;xs:restriction base="xs:float"&gt;       &lt;xs:minInclusive value="0"/&gt;     &lt;/xs:restriction&gt;   &lt;/xs:simpleType&gt; &lt;/xs:element&gt; </pre> |

## Element `tns:qualityLevelType` / `tns:minGainModulationL95L80`

|             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace   | kb.se/ns/image_capture_performance                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Annotations | Minimum allowed gain modulation (tonseparation) for this range. This is a composite entry for the following ranges: L*95-L*85, L*95-L*80, L*90-L*80. Only a single metrics is intended to be used at a measurement time.                                                                                                                                                                                                                                                                                                                                                                          |
| Diagram     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Type        | restriction of xs:float                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Properties  | content: simple                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Facets      | minInclusive 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Source      | <pre> &lt;xs:element name="minGainModulationL95L80"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation xml:lang="eng"&gt;Minimum allowed gain modulation (tonseparation) for this range. This is a composite entry for the following ranges: L*95-L*85, L*95-L*80, L*90-L*80. Only a single metrics is intended to be used at a measurement time.&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:simpleType&gt;     &lt;xs:restriction base="xs:float"&gt;       &lt;xs:minInclusive value="0"/&gt;     &lt;/xs:restriction&gt;   &lt;/xs:simpleType&gt; &lt;/xs:element&gt; </pre> |

**Element tns:qualityLevelType / tns:maxGainModulationL95L80**

|             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace   | kb.se/ns/image_capture_performance                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Annotations | Maximum allowed gain modulation (tonseparation) for this range. This is a composite entry for the following ranges: L*95-L*85, L*95-L*80, L*90-L*80. Only a single metrics is intened to be used at a measurement time.                                                                                                                                                                                                                                                                                                                                                                          |
| Diagram     | <p>Diagram description: A box labeled 'maxGainModulationL95L80' with 'Type Restriction of 'xs:float'' is connected to a purple box labeled 'restricts: xs:float'. A callout bubble points to the element box with the text: 'Maximum allowed gain modulation (tonseparation) for this range. This is a composite entry for the following ranges:...'.</p>                                                                                                                                                                                                                                        |
| Type        | restriction of xs:float                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Properties  | content: simple                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Facets      | minInclusive 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Source      | <pre> &lt;xs:element name="maxGainModulationL95L80"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation xml:lang="eng"&gt;Maximum allowed gain modulation (tonseparation) for this range. This is a composite entry for the following ranges: L*95-L*85, L*95-L*80, L*90-L*80. Only a single metrics is intened to be used at a measurement time.&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:simpleType&gt;     &lt;xs:restriction base="xs:float"&gt;       &lt;xs:minInclusive value="0"/&gt;     &lt;/xs:restriction&gt;   &lt;/xs:simpleType&gt; &lt;/xs:element&gt; </pre> |

**Element tns:qualityLevelType / tns:minGainModulationL85L20**

|             |                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace   | kb.se/ns/image_capture_performance                                                                                                                                                                                                                                                                                                                                                                                                       |
| Annotations | Minimum allowed gain modulation (tonseparation) for this range.                                                                                                                                                                                                                                                                                                                                                                          |
| Diagram     | <p>Diagram description: A box labeled 'minGainModulationL85L20' with 'Type Restriction of 'xs:float'' is connected to a purple box labeled 'restricts: xs:float'. A callout bubble points to the element box with the text: 'Minimum allowed gain modulation (tonseparation) for this range.'.</p>                                                                                                                                       |
| Type        | restriction of xs:float                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Properties  | content: simple                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Facets      | minInclusive 0                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Source      | <pre> &lt;xs:element name="minGainModulationL85L20"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation xml:lang="eng"&gt;Minimum allowed gain modulation (tonseparation) for this range.&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:simpleType&gt;     &lt;xs:restriction base="xs:float"&gt;       &lt;xs:minInclusive value="0"/&gt;     &lt;/xs:restriction&gt;   &lt;/xs:simpleType&gt; &lt;/xs:element&gt; </pre> |

**Element tns:qualityLevelType / tns:maxGainModulationL85L20**

|             |                                                                                                                                                                                                                                                                                                    |
|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace   | kb.se/ns/image_capture_performance                                                                                                                                                                                                                                                                 |
| Annotations | Maximum allowed gain modulation (tonseparation) for this range.                                                                                                                                                                                                                                    |
| Diagram     | <p>Diagram description: A box labeled 'maxGainModulationL85L20' with 'Type Restriction of 'xs:float'' is connected to a purple box labeled 'restricts: xs:float'. A callout bubble points to the element box with the text: 'Maximum allowed gain modulation (tonseparation) for this range.'.</p> |
| Type        | restriction of xs:float                                                                                                                                                                                                                                                                            |
| Properties  | content: simple                                                                                                                                                                                                                                                                                    |

|        |                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|--------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Facets | minInclusive 0                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Source | <pre> &lt;xs:element name="maxGainModulationL85L20"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation xml:lang="eng"&gt;Maximum allowed gain modulation (tonseparation) for this     range.&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:simpleType&gt;     &lt;xs:restriction base="xs:float"&gt;       &lt;xs:minInclusive value="0"/&gt;     &lt;/xs:restriction&gt;   &lt;/xs:simpleType&gt; &lt;/xs:element&gt; </pre> |

### Element `tns:qualityLevelType` / `tns:minGainModulationL85L10`

|             |                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace   | kb.se/ns/image_capture_performance                                                                                                                                                                                                                                                                                                                                                                                                           |
| Annotations | Minimum allowed gain modulation (tonseparation) for this range.                                                                                                                                                                                                                                                                                                                                                                              |
| Diagram     | <p>minGainModulationL85L10<br/>Type Restriction of 'xs:float'</p> <p>restricts: xs:float</p> <p>Minimum allowed gain modulation (tonseparation) for this range.</p>                                                                                                                                                                                                                                                                          |
| Type        | restriction of xs:float                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Properties  | content: simple                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Facets      | minInclusive 0                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Source      | <pre> &lt;xs:element name="minGainModulationL85L10"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation xml:lang="eng"&gt;Minimum allowed gain modulation (tonseparation) for this     range.&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:simpleType&gt;     &lt;xs:restriction base="xs:float"&gt;       &lt;xs:minInclusive value="0"/&gt;     &lt;/xs:restriction&gt;   &lt;/xs:simpleType&gt; &lt;/xs:element&gt; </pre> |

### Element `tns:qualityLevelType` / `tns:maxGainModulationL85L10`

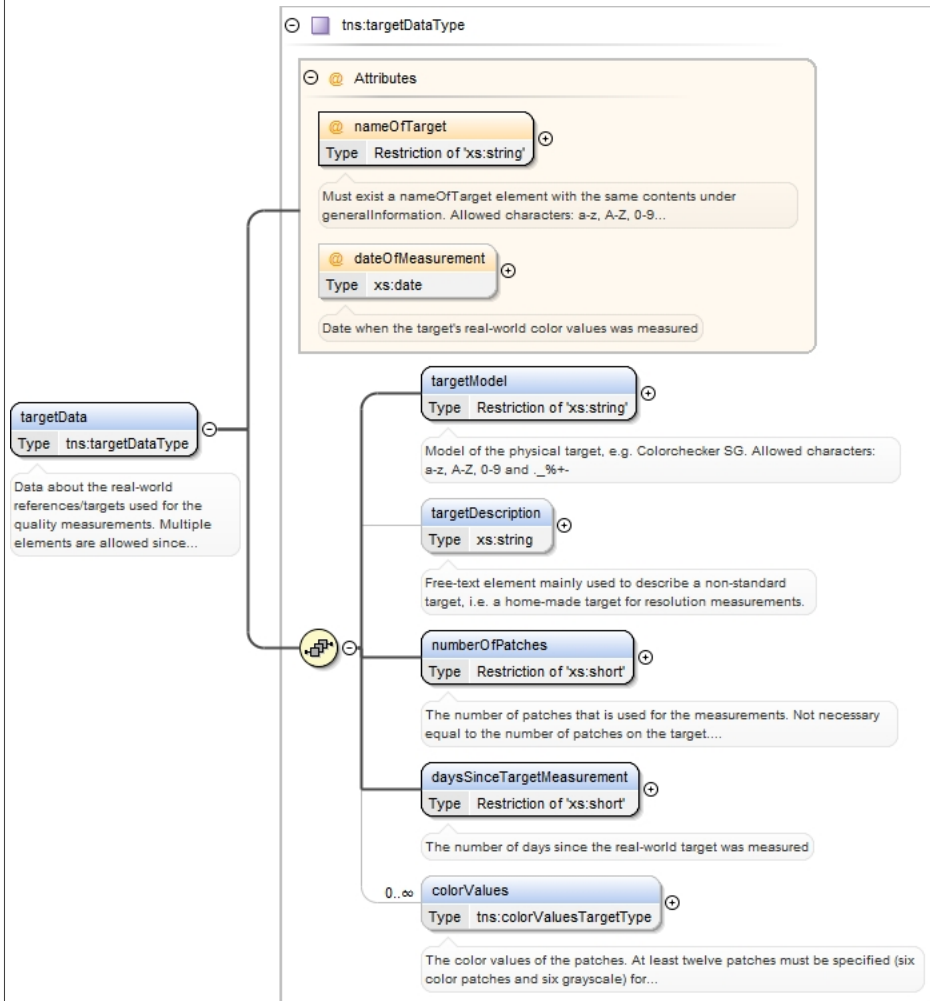
|             |                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace   | kb.se/ns/image_capture_performance                                                                                                                                                                                                                                                                                                                                                                                                           |
| Annotations | Maximum allowed gain modulation (tonseparation) for this range.                                                                                                                                                                                                                                                                                                                                                                              |
| Diagram     | <p>maxGainModulationL85L10<br/>Type Restriction of 'xs:float'</p> <p>restricts: xs:float</p> <p>Maximum allowed gain modulation (tonseparation) for this range.</p>                                                                                                                                                                                                                                                                          |
| Type        | restriction of xs:float                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Properties  | content: simple                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Facets      | minInclusive 0                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Source      | <pre> &lt;xs:element name="maxGainModulationL85L10"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation xml:lang="eng"&gt;Maximum allowed gain modulation (tonseparation) for this     range.&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:simpleType&gt;     &lt;xs:restriction base="xs:float"&gt;       &lt;xs:minInclusive value="0"/&gt;     &lt;/xs:restriction&gt;   &lt;/xs:simpleType&gt; &lt;/xs:element&gt; </pre> |

### Element `tns:qualityDataType` / `tns:targetData`

|             |                                                                                                                                                 |
|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace   | kb.se/ns/image_capture_performance                                                                                                              |
| Annotations | Data about the real-world references/targets used for the quality measurements. Multiple elements are allowed since multiple targets might have |

been used for the quality measurements. Always store for reference, although some data is only useful when we also store the images that contain the targets.

## Diagram



Type tns:targetDataType

Properties

|            |           |
|------------|-----------|
| content:   | complex   |
| minOccurs: | 1         |
| maxOccurs: | unbounded |

Model tns:targetModel , tns:targetDescription{0,1} , tns:numberOfPatches , tns:daysSinceTargetMeasurement , tns:colorValues\*

Children tns:colorValues, tns:daysSinceTargetMeasurement, tns:numberOfPatches, tns:targetDescription, tns:targetModel

Instance

```
<tns:targetData dateOfMeasurement="" nameOfTarget="" xmlns:tns="kb.se/ns/image_capture_performance">
  <tns:targetModel>{1,1}</tns:targetModel>
  <tns:targetDescription>{0,1}</tns:targetDescription>
  <tns:numberOfPatches>{1,1}</tns:numberOfPatches>
  <tns:daysSinceTargetMeasurement>{1,1}</tns:daysSinceTargetMeasurement>
  <tns:colorValues patchID="">{0,unbounded}</tns:colorValues>
</tns:targetData>
```

## Attributes

| QName             | Type                                                                                                                           | Use      |  |
|-------------------|--------------------------------------------------------------------------------------------------------------------------------|----------|--|
| dateOfMeasurement | xs:date                                                                                                                        | optional |  |
|                   | Date when the target's real-world color values was measured                                                                    |          |  |
| nameOfTarget      | restriction of xs:string                                                                                                       | required |  |
|                   | Must exist a nameOfTarget element with the same contents under generalInformation. Allowed characters: a-z, A-Z, 0-9 and ._%+- |          |  |

## Source

```
<xs:element name="targetData" type="tns:targetDataType" maxOccurs="unbounded" minOccurs="1">
  <xs:annotation>
    <xs:documentation xml:lang="eng">Data about the real-world references/targets used for the
    quality measurements. Multiple elements are allowed since multiple targets might have been used
```

for the quality measurements. Always store for reference, although some data is only useful when we also store the images that contain the targets.</xs:documentation>  
</xs:annotation>  
</xs:element>

### Element tns:targetDataType / tns:targetModel

|             |                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace   | kb.se/ns/image_capture_performance                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Annotations | Model of the physical target, e.g. Colorchecker SG. Allowed characters: a-z, A-Z, 0-9 and ._%+-                                                                                                                                                                                                                                                                                                                                                              |
| Diagram     |                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Type        | restriction of xs:string                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Properties  | content: simple                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Facets      | pattern [a-zA-Z0-9._%+- ]+                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Source      | <pre>&lt;xs:element name="targetModel"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Model of the physical target, e.g. Colorchecker SG. Allowed characters: a-z,     A-Z, 0-9 and ._%+-&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:simpleType&gt;     &lt;xs:restriction base="xs:string"&gt;       &lt;xs:pattern value="[a-zA-Z0-9._%+- ]+"/&gt;     &lt;/xs:restriction&gt;   &lt;/xs:simpleType&gt; &lt;/xs:element&gt;</pre> |

### Element tns:targetDataType / tns:targetDescription

|             |                                                                                                                                                                                                                                                                                                                                                          |
|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace   | kb.se/ns/image_capture_performance                                                                                                                                                                                                                                                                                                                       |
| Annotations | Free-text element mainly used to describe a non-standard target, i.e. a home-made target for resolution measurements.                                                                                                                                                                                                                                    |
| Diagram     |                                                                                                                                                                                                                                                                                                                                                          |
| Type        | xs:string                                                                                                                                                                                                                                                                                                                                                |
| Properties  | content: simple<br>minOccurs: 0                                                                                                                                                                                                                                                                                                                          |
| Source      | <pre>&lt;xs:element name="targetDescription" minOccurs="0" type="xs:string"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation xml:lang="eng"&gt;Free-text element mainly used to describe a non-standard     target, i.e. a home-made target for resolution measurements.&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:element&gt;</pre> |

### Element tns:targetDataType / tns:numberOfPatches

|             |                                                                                                                                                                                                           |
|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace   | kb.se/ns/image_capture_performance                                                                                                                                                                        |
| Annotations | The number of patches that is used for the measurements. Not necessary equal to the number of patches on the target. Set to twelve or higher (for Digidaily), six color patches and six grayscale patches |
| Diagram     |                                                                                                                                                                                                           |
| Type        | restriction of xs:short                                                                                                                                                                                   |

|            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Properties | content: simple                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Facets     | minInclusive 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Source     | <pre> &lt;xs:element name="numberOfPatches"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation xml:lang="eng"&gt;The number of patches that is used for the measurements. Not     necessary equal to the number of patches on the target. Set to twelve or higher (for Digidaily),     six color patches and six grayscale patches&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:simpleType&gt;     &lt;xs:restriction base="xs:short"&gt;       &lt;xs:minInclusive value="0"/&gt;     &lt;/xs:restriction&gt;   &lt;/xs:simpleType&gt; &lt;/xs:element&gt; </pre> |

### Element `tns:targetDataType` / `tns:daysSinceTargetMeasurement`

|             |                                                                                                                                                                                                                                                                                                                                                                                                                     |
|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace   | kb.se/ns/image_capture_performance                                                                                                                                                                                                                                                                                                                                                                                  |
| Annotations | The number of days since the real-world target was measured                                                                                                                                                                                                                                                                                                                                                         |
| Diagram     |                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Type        | restriction of xs:short                                                                                                                                                                                                                                                                                                                                                                                             |
| Properties  | content: simple                                                                                                                                                                                                                                                                                                                                                                                                     |
| Facets      | minInclusive 0                                                                                                                                                                                                                                                                                                                                                                                                      |
| Source      | <pre> &lt;xs:element name="daysSinceTargetMeasurement"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation xml:lang="eng"&gt;The number of days since the real-world target was measured&lt;/   &lt;/xs:annotation&gt;   &lt;xs:simpleType&gt;     &lt;xs:restriction base="xs:short"&gt;       &lt;xs:minInclusive value="0"/&gt;     &lt;/xs:restriction&gt;   &lt;/xs:simpleType&gt; &lt;/xs:element&gt; </pre> |

### Element `tns:targetDataType` / `tns:colorValues`

|             |                                                                                                                                                           |
|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace   | kb.se/ns/image_capture_performance                                                                                                                        |
| Annotations | The color values of the patches. At least twelve patches must be specified (six color patches and six grayscale) for exposure and color accuracy targets. |
| Diagram     |                                                                                                                                                           |

|            |                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                            |          |  |
|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|----------|--|
| Type       | tns:colorValuesTargetType                                                                                                                                                                                                                                                                                                                                                     |                                                                                                            |          |  |
| Properties | content:                                                                                                                                                                                                                                                                                                                                                                      | complex                                                                                                    |          |  |
|            | minOccurs:                                                                                                                                                                                                                                                                                                                                                                    | 0                                                                                                          |          |  |
|            | maxOccurs:                                                                                                                                                                                                                                                                                                                                                                    | unbounded                                                                                                  |          |  |
| Model      | tns:L , tns:A , tns:B                                                                                                                                                                                                                                                                                                                                                         |                                                                                                            |          |  |
| Children   | tns:A, tns:B, tns:L                                                                                                                                                                                                                                                                                                                                                           |                                                                                                            |          |  |
| Instance   | <tns:colorValues patchID="" xmlns:tns="kb.se/ns/image_capture_performance"><br><tns:L>{1,1}</tns:L><br><tns:A>{1,1}</tns:A><br><tns:B>{1,1}</tns:B><br></tns:colorValues>                                                                                                                                                                                                     |                                                                                                            |          |  |
| Attributes | QName                                                                                                                                                                                                                                                                                                                                                                         | Type                                                                                                       | Use      |  |
|            | patchID                                                                                                                                                                                                                                                                                                                                                                       | restriction of xs:short                                                                                    | required |  |
|            |                                                                                                                                                                                                                                                                                                                                                                               | ID of the patch. Corresponds to the patchID-attribute under patchMeasurements. Allowed values: 1 or higher |          |  |
| Source     | <xs:element maxOccurs="unbounded" minOccurs="0" name="colorValues" type="tns:colorValuesTargetType"><br><xs:annotation><br><xs:documentation xml:lang="eng">The color values of the patches. At least twelve patches must be specified (six color patches and six grayscale) for exposure and color accuracy targets.</xs:documentation><br></xs:annotation><br></xs:element> |                                                                                                            |          |  |

### Element tns:colorValuesTargetType / tns:L

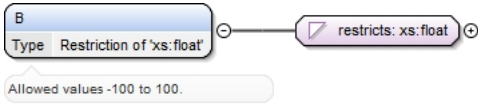
|             |                                                                                                                                                                                                                                                                                                                                                                                                                                    |        |  |
|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|--|
| Namespace   | kb.se/ns/image_capture_performance                                                                                                                                                                                                                                                                                                                                                                                                 |        |  |
| Annotations | Allowed values 0 to 100.                                                                                                                                                                                                                                                                                                                                                                                                           |        |  |
| Diagram     |                                                                                                                                                                                                                                                                                                                                                                                                                                    |        |  |
| Type        | restriction of xs:float                                                                                                                                                                                                                                                                                                                                                                                                            |        |  |
| Properties  | content:                                                                                                                                                                                                                                                                                                                                                                                                                           | simple |  |
|             | minOccurs:                                                                                                                                                                                                                                                                                                                                                                                                                         | 1      |  |
| Facets      | maxInclusive                                                                                                                                                                                                                                                                                                                                                                                                                       | 100    |  |
|             | minInclusive                                                                                                                                                                                                                                                                                                                                                                                                                       | 0      |  |
| Source      | <pre>&lt;xs:element name="L" minOccurs="1"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation xml:lang="eng"&gt;Allowed values 0 to 100.&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:simpleType&gt;     &lt;xs:restriction base="xs:float"&gt;       &lt;xs:minInclusive value="0"/&gt;       &lt;xs:maxInclusive value="100"/&gt;     &lt;/xs:restriction&gt;   &lt;/xs:simpleType&gt; &lt;/xs:element&gt;</pre> |        |  |

### Element tns:colorValuesTargetType / tns:A

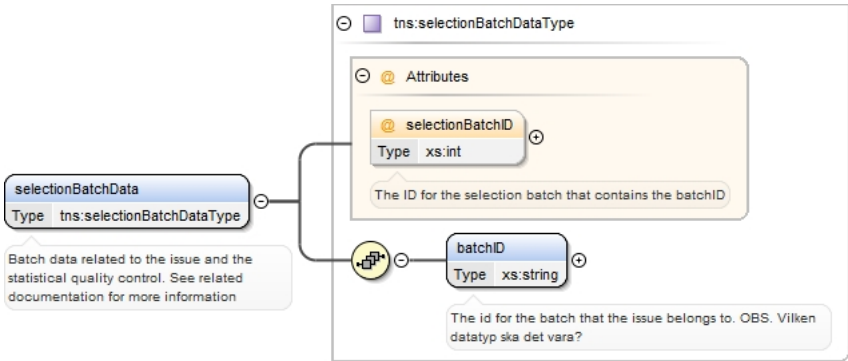
|             |                                    |        |  |  |
|-------------|------------------------------------|--------|--|--|
| Namespace   | kb.se/ns/image_capture_performance |        |  |  |
| Annotations | Allowed values -100 to 100.        |        |  |  |
| Diagram     |                                    |        |  |  |
| Type        | restriction of xs:float            |        |  |  |
| Properties  | content:                           | simple |  |  |
|             | minOccurs:                         | 1      |  |  |

|        |                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |
|--------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|
| Facets | maxInclusive                                                                                                                                                                                                                                                                                                                                                                                                                               | 100  |
|        | minInclusive                                                                                                                                                                                                                                                                                                                                                                                                                               | -100 |
| Source | <pre> &lt;xs:element name="A" minOccurs="1"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation xml:lang="eng"&gt;Allowed values -100 to 100.&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:simpleType&gt;     &lt;xs:restriction base="xs:float"&gt;       &lt;xs:minInclusive value="-100"/&gt;       &lt;xs:maxInclusive value="100"/&gt;     &lt;/xs:restriction&gt;   &lt;/xs:simpleType&gt; &lt;/xs:element&gt; </pre> |      |

## Element tns:colorValuesTargetType / tns:B

|             |                                                                                                                                                                                                                                                                                                                                                                                                                                            |        |
|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
| Namespace   | kb.se/ns/image_capture_performance                                                                                                                                                                                                                                                                                                                                                                                                         |        |
| Annotations | Allowed values -100 to 100.                                                                                                                                                                                                                                                                                                                                                                                                                |        |
| Diagram     |                                                                                                                                                                                                                                                                                                                                                           |        |
| Type        | restriction of xs:float                                                                                                                                                                                                                                                                                                                                                                                                                    |        |
| Properties  | content:                                                                                                                                                                                                                                                                                                                                                                                                                                   | simple |
|             | minOccurs:                                                                                                                                                                                                                                                                                                                                                                                                                                 | 1      |
| Facets      | maxInclusive                                                                                                                                                                                                                                                                                                                                                                                                                               | 100    |
|             | minInclusive                                                                                                                                                                                                                                                                                                                                                                                                                               | -100   |
| Source      | <pre> &lt;xs:element name="B" minOccurs="1"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation xml:lang="eng"&gt;Allowed values -100 to 100.&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:simpleType&gt;     &lt;xs:restriction base="xs:float"&gt;       &lt;xs:minInclusive value="-100"/&gt;       &lt;xs:maxInclusive value="100"/&gt;     &lt;/xs:restriction&gt;   &lt;/xs:simpleType&gt; &lt;/xs:element&gt; </pre> |        |

## Element tns:qualityDataType / tns:selectionBatchData

|             |                                                                                                                     |         |
|-------------|---------------------------------------------------------------------------------------------------------------------|---------|
| Namespace   | kb.se/ns/image_capture_performance                                                                                  |         |
| Annotations | Batch data related to the issue and the statistical quality control. See related documentation for more information |         |
| Diagram     |                                 |         |
| Type        | tns:selectionBatchDataType                                                                                          |         |
| Properties  | content:                                                                                                            | complex |
| Model       | tns:batchID                                                                                                         |         |
| Children    | tns:batchID                                                                                                         |         |
| Instance    | <pre> &lt;tns:selectionBatchData selectionBatchID="" xmlns:tns="kb.se/ns/image_capture_performance"&gt; </pre>      |         |

|            |                                                                                                                                                                                                                                                                                                             |                                                          |          |  |
|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|----------|--|
|            | <tns:batchID>{1,1}</tns:batchID><br></tns:selectionBatchData>                                                                                                                                                                                                                                               |                                                          |          |  |
| Attributes | QName                                                                                                                                                                                                                                                                                                       | Type                                                     | Use      |  |
|            | selectionBatchID                                                                                                                                                                                                                                                                                            | xs:int                                                   | optional |  |
|            |                                                                                                                                                                                                                                                                                                             | The ID for the selection batch that contains the batchID |          |  |
| Source     | <xs:element name="selectionBatchData" type="tns:selectionBatchDataType"><br><xs:annotation><br><xs:documentation xml:lang="eng">Batch data related to the issue and the statistical quality control. See related documentation for more information</xs:documentation><br></xs:annotation><br></xs:element> |                                                          |          |  |

## Element tns:selectionBatchDataType / tns:batchID

|             |                                                                                                                                                                                                                                                                                              |
|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace   | kb.se/ns/image_capture_performance                                                                                                                                                                                                                                                           |
| Annotations | The id for the batch that the issue belongs to. OBS.<br>Vilken datatyp ska det vara?                                                                                                                                                                                                         |
| Diagram     | <div><div><div>batchID</div><div>Type xs:string</div></div><div><div>xs:string</div><div>Built-in primitive type. The string datatype represents character strings in XML.</div></div><div>The id for the batch that the issue belongs to. OBS.<br/>Vilken datatyp ska det vara?</div></div> |
| Type        | xs:string                                                                                                                                                                                                                                                                                    |
| Properties  | content: simple                                                                                                                                                                                                                                                                              |
| Source      | <xs:element name="batchID" type="xs:string"><br><xs:annotation><br><xs:documentation xml:lang="eng">The id for the batch that the issue belongs to. OBS. Vilken<br>datatyp ska det vara?</xs:documentation><br></xs:annotation><br></xs:element>                                             |

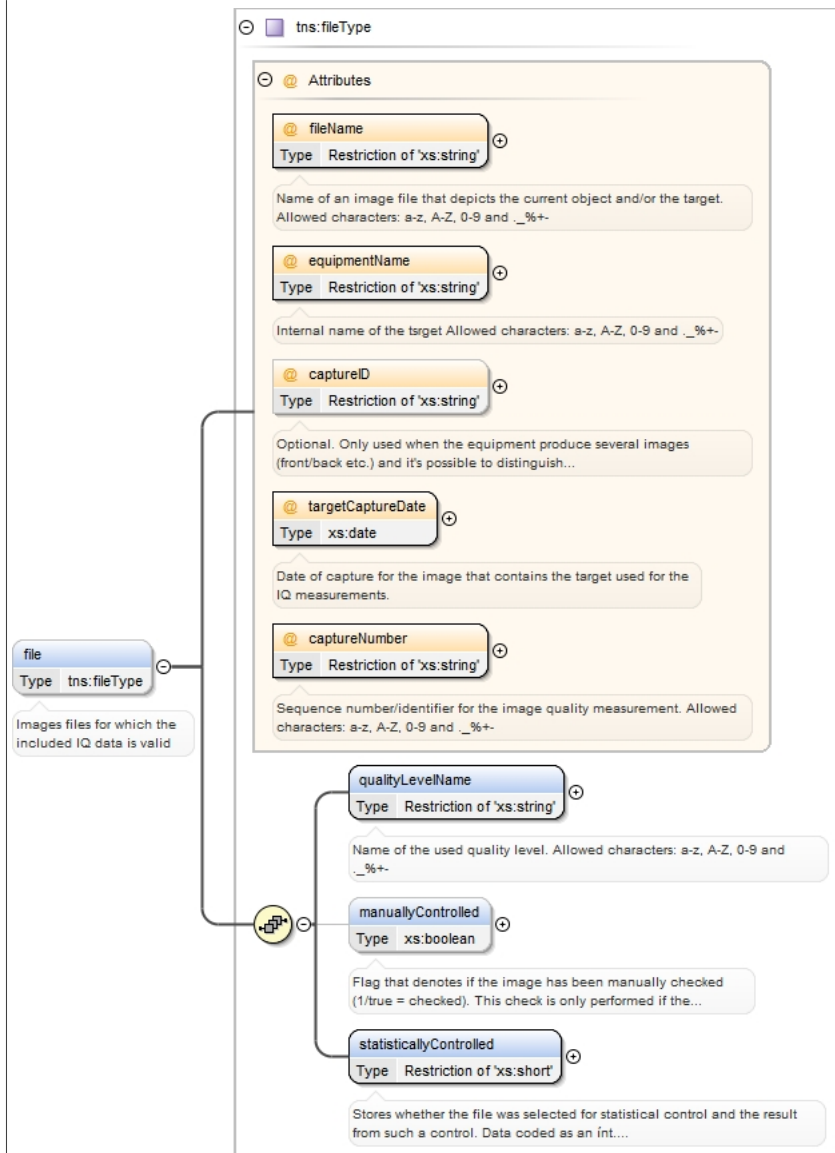
## Element tns:imageQualityControlDataType / tns:fileList

|            |                                                                                                                                                                                                                                       |
|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace  | kb.se/ns/image_capture_performance                                                                                                                                                                                                    |
| Diagram    | <pre>classDiagram     class tns_fileListType {         +fileList     }     class tns_fileType {         +file     }     tns_fileListType "0..∞" --&gt; "1" tns_fileType</pre>                                                         |
| Type       | tns:fileListType                                                                                                                                                                                                                      |
| Properties | content: complex                                                                                                                                                                                                                      |
| Model      | tns:file*                                                                                                                                                                                                                             |
| Children   | tns:file                                                                                                                                                                                                                              |
| Instance   | <pre>&lt;tns:fileList xmlns:tns="kb.se/ns/image_capture_performance"&gt;   &lt;tns:file captureID="" captureNumber="" equipmentName="" fileName="" targetCaptureDate=""&gt;{0,unbounded}&lt;/tns:file&gt; &lt;/tns:fileList&gt;</pre> |
| Source     | <pre>&lt;xs:element type="tns:fileListType" name="fileList"&gt; &lt;/xs:element&gt;</pre>                                                                                                                                             |

## Element tns:fileListType / tns:file

|             |                                                      |  |  |
|-------------|------------------------------------------------------|--|--|
| Namespace   | kb.se/ns/image_capture_performance                   |  |  |
| Annotations | Images files for which the included IQ data is valid |  |  |

## Diagram



|            |                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                               |          |  |
|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|--|
| Type       | tns:fileType                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                               |          |  |
| Properties | content:                                                                                                                                                                                                                                                                                                                                                                                                     | complex                                                                                                                                                                                                                                       |          |  |
|            | minOccurs:                                                                                                                                                                                                                                                                                                                                                                                                   | 0                                                                                                                                                                                                                                             |          |  |
|            | maxOccurs:                                                                                                                                                                                                                                                                                                                                                                                                   | unbounded                                                                                                                                                                                                                                     |          |  |
| Model      | tns:qualityLevelName , tns:manuallyControlled{0,1} , tns:statisticallyControlled                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                               |          |  |
| Children   | tns:manuallyControlled, tns:qualityLevelName, tns:statisticallyControlled                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                               |          |  |
| Instance   | <pre>&lt;tns:file captureID="" captureNumber="" equipmentName="" fileName="" targetCaptureDate="" xmlns:tns="http://www.kb.se/ns/image_capture_performance"&gt;   &lt;tns:qualityLevelName&gt;{1,1}&lt;/tns:qualityLevelName&gt;   &lt;tns:manuallyControlled&gt;{0,1}&lt;/tns:manuallyControlled&gt;   &lt;tns:statisticallyControlled&gt;{1,1}&lt;/tns:statisticallyControlled&gt; &lt;/tns:file&gt;</pre> |                                                                                                                                                                                                                                               |          |  |
| Attributes | QName                                                                                                                                                                                                                                                                                                                                                                                                        | Type                                                                                                                                                                                                                                          | Use      |  |
|            | captureID                                                                                                                                                                                                                                                                                                                                                                                                    | restriction of xs:string                                                                                                                                                                                                                      | optional |  |
|            |                                                                                                                                                                                                                                                                                                                                                                                                              | Optional. Only used when the equipment produce several images (front/back etc.) and it's possible to distinguish between them. Corresponds to the attributes with the same name under captureData Allowed characters: a-z, A-Z, 0-9 and ._%+- |          |  |
|            | captureNumber                                                                                                                                                                                                                                                                                                                                                                                                | restriction of xs:string                                                                                                                                                                                                                      | required |  |
|            |                                                                                                                                                                                                                                                                                                                                                                                                              | Sequence number/identifier for the image quality                                                                                                                                                                                              |          |  |

|        |                                                                                                                                                                                                                                                                                                  |                                                                                                                      |            |  |
|--------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|------------|--|
|        | <b>QName</b>                                                                                                                                                                                                                                                                                     | <b>Type</b>                                                                                                          | <b>Use</b> |  |
|        |                                                                                                                                                                                                                                                                                                  | measurement. Allowed characters: a-z, A-Z, 0-9 and ._%+-                                                             |            |  |
|        | <b>equipmentName</b>                                                                                                                                                                                                                                                                             | restriction of xs:string                                                                                             | required   |  |
|        |                                                                                                                                                                                                                                                                                                  | Internal name of the tsrget Allowed characters: a-z, A-Z, 0-9 and ._%+-                                              |            |  |
|        | <b>fileName</b>                                                                                                                                                                                                                                                                                  | restriction of xs:string                                                                                             | required   |  |
|        |                                                                                                                                                                                                                                                                                                  | Name of an image file that depicts the current object and/or the target. Allowed characters: a-z, A-Z, 0-9 and ._%+- |            |  |
|        | <b>targetCaptureDate</b>                                                                                                                                                                                                                                                                         | xs:date                                                                                                              | required   |  |
|        |                                                                                                                                                                                                                                                                                                  | Date of capture for the image that contains the target used for the IQ measurements.                                 |            |  |
| Source | <pre>&lt;xs:element type="tns:fileType" name="file" maxOccurs="unbounded" minOccurs="0"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation xml:lang="eng"&gt;Images files for which the included IQ data is valid&lt;/ xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:element&gt;</pre> |                                                                                                                      |            |  |

## Element tns:fileType / tns:qualityLevelName

|             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                   |  |
|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|--|
| Namespace   | kb.se/ns/image_capture_performance                                                                                                                                                                                                                                                                                                                                                                                                                                 |                   |  |
| Annotations | Name of the used quality level. Allowed characters: a-z, A-Z, 0-9 and ._%+-                                                                                                                                                                                                                                                                                                                                                                                        |                   |  |
| Diagram     | <p>The diagram illustrates the <code>qualityLevelName</code> element. It is represented as a box labeled <code>qualityLevelName</code> with the text <code>Type Restriction of 'xs:string'</code> below it. A line connects this box to a purple box labeled <code>restricts: xs:string</code>. A callout bubble points to the <code>qualityLevelName</code> box with the text: "Name of the used quality level. Allowed characters: a-z, A-Z, 0-9 and ._%+-".</p> |                   |  |
| Type        | restriction of xs:string                                                                                                                                                                                                                                                                                                                                                                                                                                           |                   |  |
| Properties  | content:                                                                                                                                                                                                                                                                                                                                                                                                                                                           | simple            |  |
| Facets      | pattern                                                                                                                                                                                                                                                                                                                                                                                                                                                            | [a-zA-Z0-9._%+-]+ |  |
| Source      | <pre>&lt;xs:element name="qualityLevelName"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation xml:lang="eng"&gt;Name of the used quality level. Allowed characters: a-z, A-Z,     0-9 and ._%+-&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:simpleType&gt;     &lt;xs:restriction base="xs:string"&gt;       &lt;xs:pattern value="[a-zA-Z0-9._%+-]+" /&gt;     &lt;/xs:restriction&gt;   &lt;/xs:simpleType&gt; &lt;/xs:element&gt;</pre>       |                   |  |

## Element tns:fileType / tns:manuallyControlled

|             |                                                                                                                                                                                                                                                                                                                                                          |        |  |
|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|--|
| Namespace   | kb.se/ns/image_capture_performance                                                                                                                                                                                                                                                                                                                       |        |  |
| Annotations | Flag that denotes if the image has been manually checked (1/true = checked). This check is only performed if the selection batch fails the statistical IQ-control.                                                                                                                                                                                       |        |  |
| Diagram     |                                                                                                                                                                                                                                                                                                                                                          |        |  |
| Type        | xs:boolean                                                                                                                                                                                                                                                                                                                                               |        |  |
| Properties  | content:                                                                                                                                                                                                                                                                                                                                                 | simple |  |
|             | minOccurs:                                                                                                                                                                                                                                                                                                                                               | 0      |  |
| Source      | <pre>&lt;xs:element minOccurs="0" name="manuallyControlled" type="xs:boolean"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation xml:lang="eng"&gt;Flag that denotes if the image has been manually checked (1/ true = checked). This check is only performed if the selection batch fails the statistical IQ- control.&lt;/xs:documentation&gt;</pre> |        |  |

```

</xs:annotation>
</xs:element>

```

## Element `tns:fileType` / `tns:statisticallyControlled`

|             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |             |    |             |   |             |   |
|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|----|-------------|---|-------------|---|
| Namespace   | kb.se/ns/image_capture_performance                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |             |    |             |   |             |   |
| Annotations | Stores whether the file was selected for statistical control and the result from such a control. Data coded as an int. Possible to extend the codes if necessary. -1 = not selected 0 = selected, failed the control 1 = selected, passed the control.                                                                                                                                                                                                                                                                                                                                                                                                                                              |             |    |             |   |             |   |
| Diagram     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |             |    |             |   |             |   |
| Type        | restriction of xs:short                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |             |    |             |   |             |   |
| Properties  | content: simple                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |             |    |             |   |             |   |
| Facets      | <table> <tr><td>enumeration</td><td>-1</td></tr> <tr><td>enumeration</td><td>1</td></tr> <tr><td>enumeration</td><td>0</td></tr> </table>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | enumeration | -1 | enumeration | 1 | enumeration | 0 |
| enumeration | -1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |             |    |             |   |             |   |
| enumeration | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |             |    |             |   |             |   |
| enumeration | 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |             |    |             |   |             |   |
| Source      | <pre> &lt;xs:element name="statisticallyControlled"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation xml:lang="eng"&gt;Stores whether the file was selected for statistical control     and the result from such a control. Data coded as an int. Possible to extend the codes if     necessary. -1 = not selected 0 = selected, failed the control 1 = selected, passed the control.&lt;/   &lt;/xs:annotation&gt;   &lt;xs:simpleType&gt;     &lt;xs:restriction base="xs:short"&gt;       &lt;xs:enumeration value="-1"/&gt;       &lt;xs:enumeration value="1"/&gt;       &lt;xs:enumeration value="0"/&gt;     &lt;/xs:restriction&gt;   &lt;/xs:simpleType&gt; &lt;/xs:element&gt; </pre> |             |    |             |   |             |   |

## Element `tns:manuallyControlledFileType` / `tns:fileName`

| Namespace  | kb.se/ns/image_capture_performance                                                                                                                                                                                                                                                                                                                                                                                      |          |      |     |          |         |            |          |            |           |  |  |
|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|------|-----|----------|---------|------------|----------|------------|-----------|--|--|
| Diagram    | <p>The diagram illustrates the 'fileName' element as an extension of the 'xs:string' primitive type. A box labeled 'fileName' with 'Type' and 'Extension of xs:string' is connected to a box labeled 'xs:string'. A tooltip for 'xs:string' states: 'Built-in primitive type. The string datatype represents character strings in XML.' Below, an 'Attributes' box shows a 'result' attribute of type 'xs:boolean'.</p> |          |      |     |          |         |            |          |            |           |  |  |
| Type       | extension of xs:string                                                                                                                                                                                                                                                                                                                                                                                                  |          |      |     |          |         |            |          |            |           |  |  |
| Properties | <table><tr><td>content:</td><td>complex</td></tr><tr><td>minOccurs:</td><td>0</td></tr><tr><td>maxOccurs:</td><td>unbounded</td></tr></table>                                                                                                                                                                                                                                                                           |          |      |     | content: | complex | minOccurs: | 0        | maxOccurs: | unbounded |  |  |
| content:   | complex                                                                                                                                                                                                                                                                                                                                                                                                                 |          |      |     |          |         |            |          |            |           |  |  |
| minOccurs: | 0                                                                                                                                                                                                                                                                                                                                                                                                                       |          |      |     |          |         |            |          |            |           |  |  |
| maxOccurs: | unbounded                                                                                                                                                                                                                                                                                                                                                                                                               |          |      |     |          |         |            |          |            |           |  |  |
| Attributes | <table><tr><th>QName</th><th>Type</th><th>Use</th><th></th></tr><tr><td>result</td><td>xs:boolean</td><td>required</td><td></td></tr></table>                                                                                                                                                                                                                                                                           | QName    | Type | Use |          | result  | xs:boolean | required |            |           |  |  |
| QName      | Type                                                                                                                                                                                                                                                                                                                                                                                                                    | Use      |      |     |          |         |            |          |            |           |  |  |
| result     | xs:boolean                                                                                                                                                                                                                                                                                                                                                                                                              | required |      |     |          |         |            |          |            |           |  |  |
| Source     | <pre>&lt;xs:element maxOccurs="unbounded" minOccurs="0" name="fileName"&gt;   &lt;xs:complexType&gt;     &lt;xs:simpleContent&gt;       &lt;xs:extension base="xs:string"&gt;         &lt;xs:attribute name="result" type="xs:boolean" form="unqualified" use="required"/&gt;       &lt;/xs:extension&gt;     &lt;/xs:simpleContent&gt;   &lt;/xs:complexType&gt; &lt;/xs:element&gt;</pre>                             |          |      |     |          |         |            |          |            |           |  |  |

## Complex Type(s)

### Complex Type tns:imageQuailtyControlDataType

| Namespace   | kb.se/ns/image_capture_performance                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                             |      |     |  |             |             |          |  |  |                                                              |  |  |  |  |
|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|------|-----|--|-------------|-------------|----------|--|--|--------------------------------------------------------------|--|--|--|--|
| Diagram     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                             |      |     |  |             |             |          |  |  |                                                              |  |  |  |  |
| Used by     | Element                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | tns:imageQualityControlData |      |     |  |             |             |          |  |  |                                                              |  |  |  |  |
| Model       | tns:imageData+ , tns:qualityData , tns:fileList                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                             |      |     |  |             |             |          |  |  |                                                              |  |  |  |  |
| Children    | tns:fileList, tns:imageData, tns:qualityData                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                             |      |     |  |             |             |          |  |  |                                                              |  |  |  |  |
| Attributes  | <table><thead><tr><th>QName</th><th>Type</th><th>Use</th><th></th></tr></thead><tbody><tr><td>packageDate</td><td>xs:dateTime</td><td>optional</td><td></td></tr><tr><td></td><td colspan="3">Date when the package was created. Initially set to optional</td></tr></tbody></table>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | QName                       | Type | Use |  | packageDate | xs:dateTime | optional |  |  | Date when the package was created. Initially set to optional |  |  |  |  |
| QName       | Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Use                         |      |     |  |             |             |          |  |  |                                                              |  |  |  |  |
| packageDate | xs:dateTime                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | optional                    |      |     |  |             |             |          |  |  |                                                              |  |  |  |  |
|             | Date when the package was created. Initially set to optional                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                             |      |     |  |             |             |          |  |  |                                                              |  |  |  |  |
| Source      | <pre>&lt;xs:complexType name="imageQuailtyControlDataType"&gt;   &lt;xs:sequence&gt;     &lt;xs:element type="tns:imageDataType" name="imageData" maxOccurs="unbounded" minOccurs="1"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation xml:lang="eng"&gt;An issue/object can contain images that has been captured with several different equipments. Each instance of the imageData element contains image quality data for a single image capture equipment. The image quality data is valid during a limited period of time, usually one day. Hence, the same piece of equipment can appear in several instances if it has been used on multiple occasions that involves a time span that is longer than the period of validity. For measurements that are valid for longer time frames, i.e. illumination uniformity, the measurement data are appended to the imageData element that contains the exposure and color accuracy measurements. This data cannot be stored separate instances of the element, as exposure and color accuracy data might not be obtainable in the illumination uniformity and noise measurements. Some scanners can simultaneously produce multiple images, generally of both sides of an object (front/back/left/right). For a number of scanners, it's impossible to identify if an image depicts the front or back side of an object. As a result, we cannot tie these images to a specific sensor (or sensors, if the image is stitched).&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;       &lt;xs:key name="nameOfTargetKey"&gt;         &lt;xs:annotation&gt;           &lt;xs:documentation xml:lang="eng"&gt;Within an imageData the generalInformation/targetData/ @nameOfTarget must be unique. This key is referenced by other elements under the same imageData element.&lt;/xs:documentation&gt;         &lt;/xs:annotation&gt;         &lt;xs:selector xpath="./tns:generalInformation/tns:targetData"/&gt;         &lt;xs:field xpath="@nameOfTarget"/&gt;       &lt;/xs:key&gt;       &lt;xs:key name="patchIDKey"&gt;         &lt;xs:selector xpath="./tns:generalInformation/tns:targetData/tns:center"/&gt;         &lt;xs:field xpath="@patchID"/&gt;       &lt;/xs:key&gt;       &lt;xs:keyref refer="tns:patchIDKey" name="refToPatchIDFromPatchMeasurementsPatch"&gt;         &lt;xs:selector xpath="./tns:colorExposureMeasurements/tns:patchMeasurement"/&gt;         &lt;xs:field xpath="@patchID"/&gt;       &lt;/xs:keyref&gt;       &lt;xs:keyref refer="tns:patchIDKey" name="refToPatchIDFromNoise"&gt;         &lt;xs:selector xpath="./tns:generalMeasurements/tns:noise/tns:patchNoise"/&gt;         &lt;xs:field xpath="@patchID"/&gt;       &lt;/xs:keyref&gt;       &lt;xs:keyref refer="tns:nameOfTargetKey" name="refToTargetNameFormIlluminationUniformity"&gt;         &lt;xs:selector xpath="./tns:generalMeasurements/tns:illuminationUniformity"/&gt; </pre> |                             |      |     |  |             |             |          |  |  |                                                              |  |  |  |  |

```

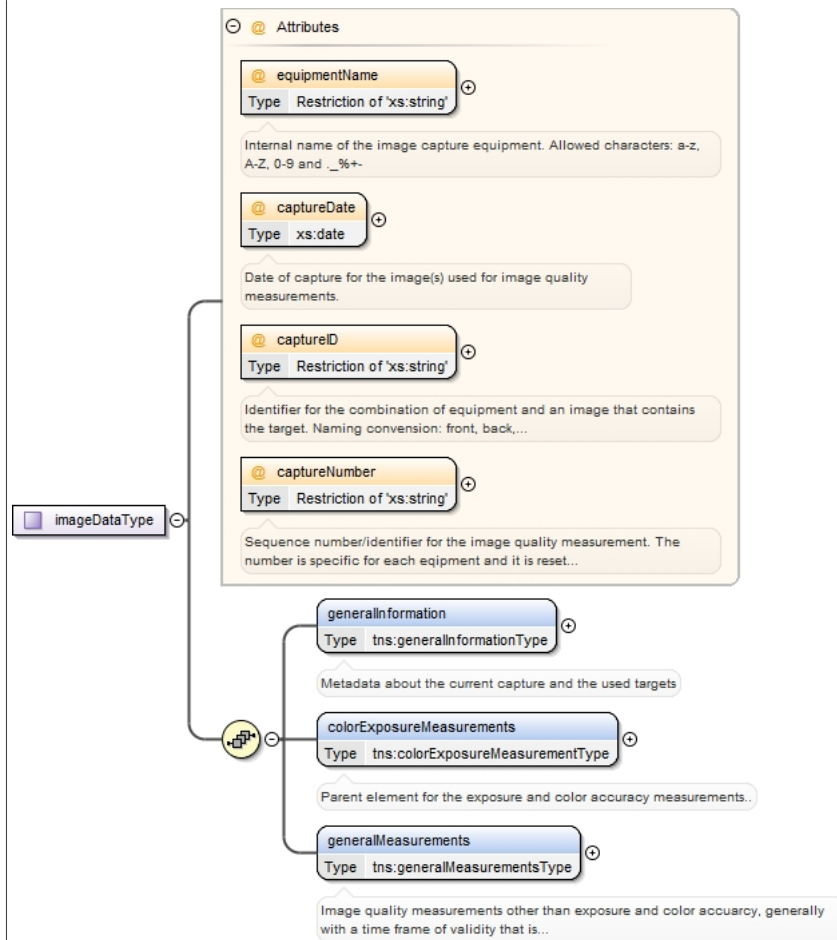
        <xs:field xpath="@nameOfTarget"/>
      </xs:keyref>
      <xs:keyref refer="tns:nameOfTargetKey" name="refToTargetNameFromPeriodicMeasurement">
        <xs:selector xpath="./tns:generalMeasurements/tns:periodicMeasurement"/>
        <xs:field xpath="@nameOfTarget"/>
      </xs:keyref>
      <xs:keyref refer="tns:nameOfTargetKey" name="refToTargetNameFromColorExposureMeasurements">
        <xs:selector xpath="./tns:colorExposureMeasurements"/>
        <xs:field xpath="@nameOfTarget"/>
      </xs:keyref>
      <xs:keyref refer="tns:nameOfTargetKey" name="refToTargetNameFromOpticalResolution">
        <xs:selector xpath="./tns:generalMeasurements/tns:opticalResolution"/>
        <xs:field xpath="@nameOfTarget"/>
      </xs:keyref>
      <xs:keyref refer="tns:nameOfTargetKey" name="refToTargetNameFromResolution">
        <xs:selector xpath="./tns:generalMeasurements/tns:resolution"/>
        <xs:field xpath="@nameOfTarget"/>
      </xs:keyref>
      <xs:keyref refer="tns:nameOfTargetKey" name="refToTargetNameFromNoise">
        <xs:selector xpath="./tns:generalMeasurements/tns:noise"/>
        <xs:field xpath="@nameOfTarget"/>
      </xs:keyref>
    </xs:element>
    <xs:element type="tns:qualityDataType" name="qualityData">
      <xs:annotation>
        <xs:documentation xml:lang="eng">Reference data for the quality measurements</
xs:documentation>
      </xs:annotation>
    </xs:element>
    <xs:element type="tns:fileListType" name="fileList">
    </xs:element>
  </xs:sequence>
  <xs:attribute name="packageDate" type="xs:dateTime">
    <xs:annotation>
      <xs:documentation xml:lang="eng">Date when the package was created. Initially set to optional</
xs:documentation>
    </xs:annotation>
  </xs:attribute>
</xs:complexType>

```

## Complex Type tns:imageDataType

|           |                                    |
|-----------|------------------------------------|
| Namespace | kb.se/ns/image_capture_performance |
|-----------|------------------------------------|

## Diagram



Used by Element `tns:imageQualityControlDataType/tns:imageData`

Model `tns:generalInformation` , `tns:colorExposureMeasurements` , `tns:generalMeasurements`

Children `tns:colorExposureMeasurements`, `tns:generalInformation`, `tns:generalMeasurements`

| Attributes | QName                | Type                                                                                                                                                                                                                                                                                                                                                                                                                                           | Use      |  |
|------------|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|--|
|            | <b>captureDate</b>   | <code>xs:date</code>                                                                                                                                                                                                                                                                                                                                                                                                                           | required |  |
|            |                      | Date of capture for the image(s) used for image quality measurements.                                                                                                                                                                                                                                                                                                                                                                          |          |  |
|            | <b>captureID</b>     | <code>restriction of xs:string</code>                                                                                                                                                                                                                                                                                                                                                                                                          | required |  |
|            |                      | Identifier for the combination of equipment and an image that contains the target. Naming convention: front, back, left, right, middle, single etc.<br>An identical attribute is used for the element <code>captureEquipment</code> . Allowed characters: a-z, A-Z, 0-9 and ._%+~                                                                                                                                                              |          |  |
|            | <b>captureNumber</b> | <code>restriction of xs:string</code>                                                                                                                                                                                                                                                                                                                                                                                                          | required |  |
|            |                      | Sequence number/identifier for the image quality measurement. The number is specific for each equipment and it is reset daily. Included since we might want to perform several IQ measurements during a single day and we must be able to distinguish between them. Datatype is set to string to give the largest possible flexibility for the sequence numbering. Ordinary numbers are preferred. Allowed characters: a-z, A-Z, 0-9 and ._%+~ |          |  |
|            | <b>equipmentName</b> | <code>restriction of xs:string</code>                                                                                                                                                                                                                                                                                                                                                                                                          | required |  |
|            |                      | Internal name of the image capture equipment. Allowed characters: a-z, A-Z, 0-9 and ._%+~                                                                                                                                                                                                                                                                                                                                                      |          |  |

Source

```
<xs:complexType name="imageDataType">
  <xs:sequence>
    <xs:element type="tns:generalInformationType" name="generalInformation">
```

```

<xs:annotation>
  <xs:documentation xml:lang="eng">Metadata about the current capture and the used targets</
xs:documentation>
</xs:annotation>
</xs:element>
<xs:element type="tns:colorExposureMeasurementType" name="colorExposureMeasurements">
  <xs:annotation>
    <xs:documentation xml:lang="eng">Parent element for the exposure and color accuracy
measurements..</xs:documentation>
  </xs:annotation>
</xs:element>
<xs:element name="generalMeasurements" type="tns:generalMeasurementsType">
  <xs:annotation>
    <xs:documentation>Image quality measurements other than exposure and color accuracy,
generally with a time frame of validity that is longer than a single day</xs:documentation>
  </xs:annotation>
</xs:element>
</xs:sequence>
<xs:attribute name="equipmentName" use="required">
  <xs:annotation>
    <xs:documentation xml:lang="eng">Internal name of the image capture equipment. Allowed
characters: a-z, A-Z, 0-9 and ._%+-</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:string">
      <xs:pattern value="[a-zA-Z0-9._%+-]"/>
    </xs:restriction>
  </xs:simpleType>
</xs:attribute>
<xs:attribute name="captureDate" type="xs:date" use="required">
  <xs:annotation>
    <xs:documentation xml:lang="eng">Date of capture for the image(s) used for image quality
measurements.</xs:documentation>
  </xs:annotation>
</xs:attribute>
<xs:attribute name="captureID" use="required">
  <xs:annotation>
    <xs:documentation xml:lang="eng">Identifier for the combination of equipment and an image that
contains the target. Naming convention: front, back, left, right, middle, single etc. An identical
attribute is used for the element captureEquipment. Allowed characters: a-z, A-Z, 0-9 and ._%+-</
xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:string">
      <xs:pattern value="[a-zA-Z0-9._%+-]"/>
    </xs:restriction>
  </xs:simpleType>
</xs:attribute>
<xs:attribute name="captureNumber" use="required">
  <xs:annotation>
    <xs:documentation xml:lang="eng">Sequence number/identifier for the image quality measurement.
The number is specific for each equipment and it is reset daily. Included since we might want
to perform several IQ measurements during a single day and we must be able to distinguish
between them. Datatype is set to string to give the largest possible flexibility for the
sequence numbering. Ordinary numbers are preferred. Allowed characters: a-z, A-Z, 0-9 and ._%+-</
xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:string">
      <xs:pattern value="[a-zA-Z0-9._%+-]"/>
    </xs:restriction>
  </xs:simpleType>
</xs:attribute>
</xs:complexType>

```

## Complex Type tns:generalInformationType

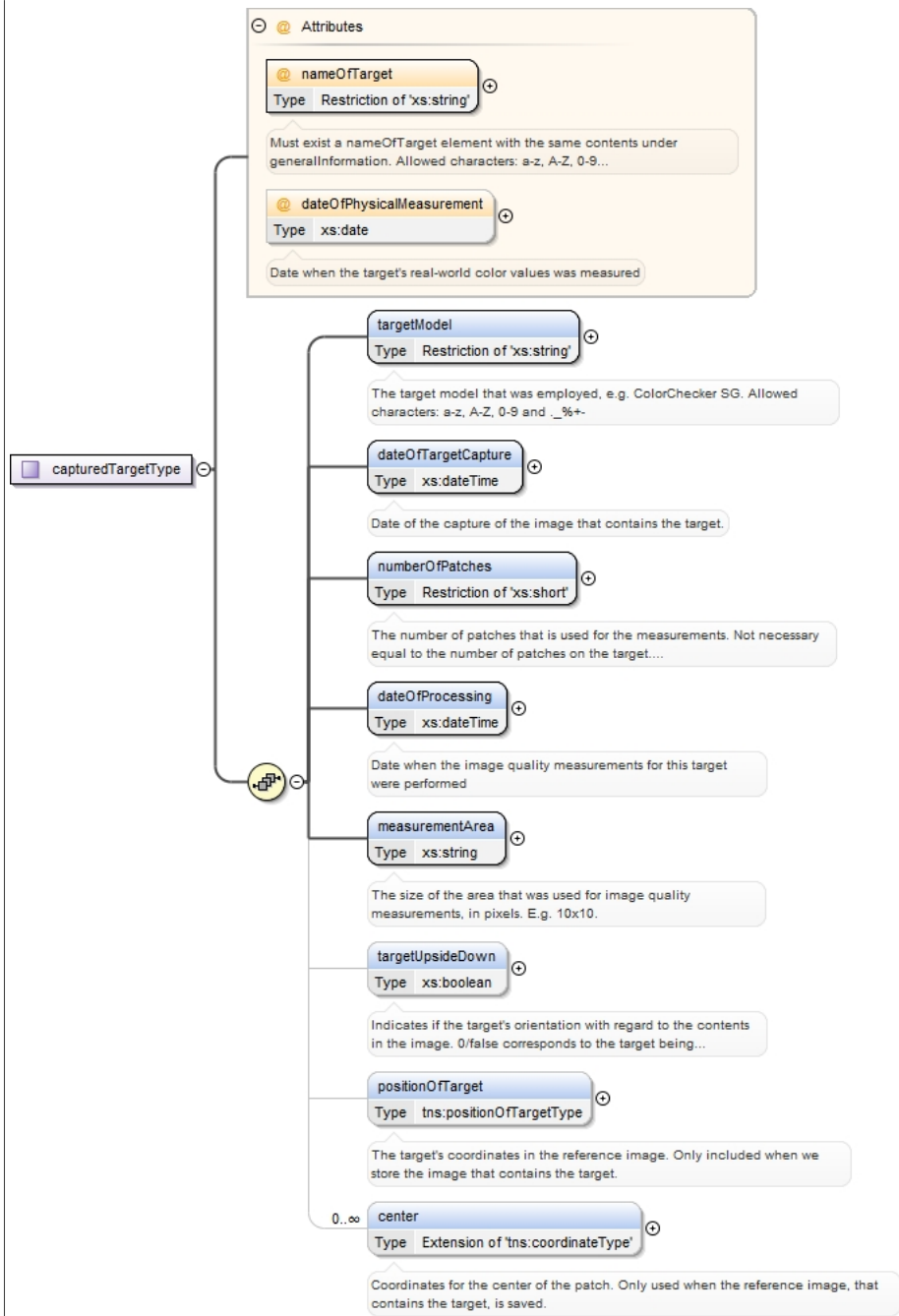
|           |                                                                                                                                                                                                                                                                                                                                                       |
|-----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace | kb.se/ns/image_capture_performance                                                                                                                                                                                                                                                                                                                    |
| Diagram   | <pre> graph LR     GI[generalInformationType] -- 1 --&gt; EM[equipmentModel]     GI -- "1..∞" --&gt; TD[targetData]     EM --- EM_Note["The model name of the image capture equipment. Allowed characters: a-z, A-Z, 0-9 and ._%+-"]     EM --- EM_Type["Type: Restriction of 'xs:string'"]     TD --- TD_Type["Type: tns:capturedTargetType"] </pre> |
| Used by   | Element tns:imageDataType/tns:generalInformation                                                                                                                                                                                                                                                                                                      |
| Model     | tns:equipmentModel , tns:targetData+                                                                                                                                                                                                                                                                                                                  |

|          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Children | tns:equipmentModel, tns:targetData                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Source   | <pre>&lt;xs:complexType name="generalInformationType"&gt;   &lt;xs:sequence&gt;     &lt;xs:element name="equipmentModel"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation xml:lang="eng"&gt;The model name of the image capture equipment. Allowed characters: a-z, A-Z, 0-9 and ._%+-&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;       &lt;xs:simpleType&gt;         &lt;xs:restriction base="xs:string"&gt;           &lt;xs:pattern value="[a-zA-Z0-9._%+-]"/&gt;         &lt;/xs:restriction&gt;       &lt;/xs:simpleType&gt;     &lt;/xs:element&gt;     &lt;xs:element name="targetData" type="tns:capturedTargetType" maxOccurs="unbounded"/&gt;   &lt;/xs:sequence&gt; &lt;/xs:complexType&gt;</pre> |

## Complex Type tns:capturedTargetType

|           |                                    |
|-----------|------------------------------------|
| Namespace | kb.se/ns/image_capture_performance |
|-----------|------------------------------------|

## Diagram



Used by Element tns:generalInformationType/tns:targetData

Model tns:targetModel , tns:dateOfTargetCapture , tns:numberOfPatches , tns:dateOfProcessing , tns:measurementArea , tns:targetUpsideDown{0,1} , tns:positionOfTarget{0,1} , tns:center\*

Children tns:center, tns:dateOfProcessing, tns:dateOfTargetCapture, tns:measurementArea, tns:numberOfPatches, tns:positionOfTarget, tns:targetModel, tns:targetUpsideDown

| Attributes | QName                     | Type                                                                                                                           | Use      |  |
|------------|---------------------------|--------------------------------------------------------------------------------------------------------------------------------|----------|--|
|            | dateOfPhysicalMeasurement | xs:date                                                                                                                        | optional |  |
|            |                           | Date when the target's real-world color values was measured                                                                    |          |  |
|            | nameOfTarget              | restriction of xs:string                                                                                                       | required |  |
|            |                           | Must exist a nameOfTarget element with the same contents under generalInformation. Allowed characters: a-z, A-Z, 0-9 and ._%+~ |          |  |

Source 

```
<xs:complexType name="capturedTargetType">
  <xs:sequence>
    <xs:element name="targetModel">
```

```

<xs:annotation>
  <xs:documentation xml:lang="eng">The target model that was employed, e.g. ColorChecker SG.
  Allowed characters: a-z, A-Z, 0-9 and ._%+</xs:documentation>
</xs:annotation>
<xs:simpleType>
  <xs:restriction base="xs:string">
    <xs:pattern value="[a-zA-Z0-9._%+]" />
  </xs:restriction>
</xs:simpleType>
</xs:element>
<xs:element type="xs:dateTime" name="dateOfTargetCapture">
  <xs:annotation>
    <xs:documentation xml:lang="eng">Date of the capture of the image that contains the
    target.</xs:documentation>
  </xs:annotation>
</xs:element>
<xs:element name="numberOfPatches" minOccurs="1">
  <xs:annotation>
    <xs:documentation xml:lang="eng">The number of patches that is used for the measurements.
    Not necessary equal to the number of patches on the target. Minimum number of patches in Digidaily
    is twelve (six color patches and six grayscale patches)</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:short">
      <xs:minInclusive value="0" />
    </xs:restriction>
  </xs:simpleType>
</xs:element>
<xs:element name="dateOfProcessing" type="xs:dateTime">
  <xs:annotation>
    <xs:documentation xml:lang="eng">Date when the image quality measurements for this target
    were performed</xs:documentation>
  </xs:annotation>
</xs:element>
<xs:element type="xs:string" name="measurementArea">
  <xs:annotation>
    <xs:documentation xml:lang="eng">The size of the area that was used for image quality
    measurements, in pixels. E.g. 10x10.</xs:documentation>
  </xs:annotation>
</xs:element>
<xs:element type="xs:boolean" name="targetUpsideDown" minOccurs="0">
  <xs:annotation>
    <xs:documentation xml:lang="eng">Indicates if the target's orientation with regard to
    the contents in the image. 0/false corresponds to the target being upsidedown with regard to the
    main content in the image. 1/true is the opposite. Only used when the target image is stored.</
    xs:documentation>
  </xs:annotation>
</xs:element>
<xs:element type="tns:positionOfTargetType" name="positionOfTarget" minOccurs="0">
  <xs:annotation>
    <xs:documentation xml:lang="eng">The target's coordinates in the reference image. Only
    included when we store the image that contains the target.</xs:documentation>
  </xs:annotation>
</xs:element>
<xs:element name="center" minOccurs="0" maxOccurs="unbounded">
  <xs:annotation>
    <xs:documentation xml:lang="eng">Coordinates for the center of the patch. Only used when the
    reference image, that contains the target, is saved.</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:complexContent>
      <xs:extension base="tns:coordinateType">
        <xs:attribute name="patchID" use="required">
          <xs:annotation>
            <xs:documentation xml:lang="eng">ID of the current patch. Matched against the ID of
            the real-world patch, as found in the corresponding attribute under targetData/colorValues. Allowed
            values: 1 or higher</xs:documentation>
          </xs:annotation>
          <xs:simpleType>
            <xs:restriction base="xs:short">
              <xs:minInclusive value="1" />
            </xs:restriction>
          </xs:simpleType>
        </xs:attribute>
      </xs:extension>
    </xs:complexContent>
  </xs:complexType>
</xs:element>
</xs:sequence>
<xs:attribute name="nameOfTarget" use="required">
  <xs:annotation>
    <xs:documentation xml:lang="eng">Must exist a nameOfTarget element with the same contents
    under generalInformation. Allowed characters: a-z, A-Z, 0-9 and ._%+</xs:documentation>
  </xs:annotation>

```

```

</xs:annotation>
<xs:simpleType>
  <xs:restriction base="xs:string">
    <xs:pattern value="[a-zA-Z0-9._%+-]+"\>
  </xs:restriction>
</xs:simpleType>
</xs:attribute>
<xs:attribute name="dateOfPhysicalMeasurement" type="xs:date">
  <xs:annotation>
    <xs:documentation xml:lang="eng">Date when the target's real-world color values was measured</
xs:documentation>
  </xs:annotation>
</xs:attribute>
</xs:complexType>

```

## Complex Type tns:positionOfTargetType

|           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|-----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace | kb.se/ns/image_capture_performance                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Diagram   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Used by   | Element tns:capturedTargetType/tns:positionOfTarget                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Model     | tns:corner{4,4}                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Children  | tns:corner                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Source    | <pre> &lt;xs:complexType name="positionOfTargetType"&gt;   &lt;xs:sequence&gt;     &lt;xs:element type="tns:coordinateType" name="corner" maxOccurs="4" minOccurs="4"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation xml:lang="eng"&gt;Coordinates for one corner of the target. Assumes a         rectangular target. Only used when the target image is stored.&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:element&gt;   &lt;/xs:sequence&gt; &lt;/xs:complexType&gt; </pre> |

## Complex Type tns:coordinateType

|           |                                                                                                                                                                                                                              |
|-----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace | kb.se/ns/image_capture_performance                                                                                                                                                                                           |
| Diagram   |                                                                                                                                                                                                                              |
| Used by   | Elements tns:capturedTargetType/tns:center, tns:positionOfTargetType/tns:corner                                                                                                                                              |
| Model     | tns:X , tns:Y                                                                                                                                                                                                                |
| Children  | tns:X, tns:Y                                                                                                                                                                                                                 |
| Source    | <pre> &lt;xs:complexType name="coordinateType"&gt;   &lt;xs:sequence&gt;     &lt;xs:element name="X" type="xs:int"/&gt;     &lt;xs:element name="Y" type="xs:int"/&gt;   &lt;/xs:sequence&gt; &lt;/xs:complexType&gt; </pre> |

## Complex Type tns:colorExposureMeasurementType

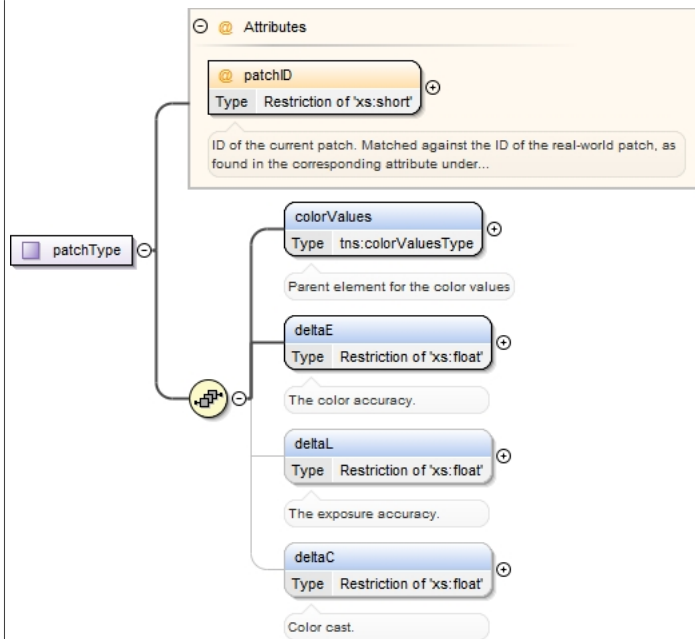
|           |                                    |
|-----------|------------------------------------|
| Namespace | kb.se/ns/image_capture_performance |
|-----------|------------------------------------|

| Diagram      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                 |      |     |  |              |                          |          |  |  |                                                                                                                                |  |  |
|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------|------|-----|--|--------------|--------------------------|----------|--|--|--------------------------------------------------------------------------------------------------------------------------------|--|--|
| Used by      | Element                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | tns:imageDataType/tns:colorExposureMeasurements |      |     |  |              |                          |          |  |  |                                                                                                                                |  |  |
| Model        | tns:patchMeasurement{12,unbounded} , tns:aggregateMeasurements                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                 |      |     |  |              |                          |          |  |  |                                                                                                                                |  |  |
| Children     | tns:aggregateMeasurements, tns:patchMeasurement                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                 |      |     |  |              |                          |          |  |  |                                                                                                                                |  |  |
| Attributes   | <table><thead><tr><th>QName</th><th>Type</th><th>Use</th><th></th></tr></thead><tbody><tr><td>nameOfTarget</td><td>restriction of xs:string</td><td>required</td><td></td></tr><tr><td></td><td colspan="3">Must exist a nameOfTarget element with the same contents under generalInformation. Allowed characters: a-z, A-Z, 0-9 and ._%+-</td></tr></tbody></table>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | QName                                           | Type | Use |  | nameOfTarget | restriction of xs:string | required |  |  | Must exist a nameOfTarget element with the same contents under generalInformation. Allowed characters: a-z, A-Z, 0-9 and ._%+- |  |  |
| QName        | Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Use                                             |      |     |  |              |                          |          |  |  |                                                                                                                                |  |  |
| nameOfTarget | restriction of xs:string                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | required                                        |      |     |  |              |                          |          |  |  |                                                                                                                                |  |  |
|              | Must exist a nameOfTarget element with the same contents under generalInformation. Allowed characters: a-z, A-Z, 0-9 and ._%+-                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                 |      |     |  |              |                          |          |  |  |                                                                                                                                |  |  |
| Source       | <pre>&lt;xs:complexType name="colorExposureMeasurementType"&gt;   &lt;xs:sequence&gt;     &lt;xs:element type="tns:patchType" name="patchMeasurement" maxOccurs="unbounded" minOccurs="12"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation xml:lang="eng"&gt;Image quality measurements for a single patch. At least twelve patches must be measured in Digidaily, six color patches and six grayscale patches.&lt;/ xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:element&gt;     &lt;xs:element type="tns:aggregateMeasurementsType" name="aggregateMeasurements"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation xml:lang="eng"&gt;Parent element for all aggregate measurements.&lt;/ xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:element&gt;   &lt;/xs:sequence&gt;   &lt;xs:attribute name="nameOfTarget" use="required"&gt;     &lt;xs:annotation&gt;       &lt;xs:documentation xml:lang="eng"&gt;Must exist a nameOfTarget element with the same contents under generalInformation. Allowed characters: a-z, A-Z, 0-9 and ._%+-&lt;/xs:documentation&gt;     &lt;/xs:annotation&gt;     &lt;xs:simpleType&gt;       &lt;xs:restriction base="xs:string"&gt;         &lt;xs:pattern value="[a-zA-Z0-9._%+-]"/&gt;       &lt;/xs:restriction&gt;     &lt;/xs:simpleType&gt;   &lt;/xs:attribute&gt; &lt;/xs:complexType&gt;</pre> |                                                 |      |     |  |              |                          |          |  |  |                                                                                                                                |  |  |

## Complex Type tns:patchType

|           |                                    |
|-----------|------------------------------------|
| Namespace | kb.se/ns/image_capture_performance |
|-----------|------------------------------------|

## Diagram



Used by Element `tns:colorExposureMeasurementType/tns:patchMeasurement`

Model `tns:colorValues` , `tns:deltaE` , `tns:deltaL{0,1}` , `tns:deltaC{0,1}`

Children `tns:colorValues`, `tns:deltaC`, `tns:deltaE`, `tns:deltaL`

| Attributes | QName          | Type                                                                                                                                                                          | Use      |  |
|------------|----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|--|
|            | <b>patchID</b> | restriction of xs:short                                                                                                                                                       | required |  |
|            |                | ID of the current patch. Matched against the ID of the real-world patch, as found in the corresponding attribute under targetData/colorValues.<br>Allowed values: 1 or higher |          |  |

## Source

```

<xs:complexType name="patchType">
  <xs:sequence>
    <xs:element type="tns:colorValuesType" name="colorValues">
      <xs:annotation>
        <xs:documentation xml:lang="eng">Parent element for the color values</xs:documentation>
      </xs:annotation>
    </xs:element>
    <xs:element name="deltaE">
      <xs:annotation>
        <xs:documentation xml:lang="eng">The color accuracy.</xs:documentation>
      </xs:annotation>
      <xs:simpleType>
        <xs:restriction base="xs:float">
          <xs:minInclusive value="0"/>
          <xs:maxInclusive value="300"/>
        </xs:restriction>
      </xs:simpleType>
    </xs:element>
    <xs:element name="deltaL" minOccurs="0">
      <xs:annotation>
        <xs:documentation xml:lang="eng">The exposure accuracy.</xs:documentation>
      </xs:annotation>
      <xs:simpleType>
        <xs:restriction base="xs:float">
          <xs:minInclusive value="0"/>
          <xs:maxInclusive value="100"/>
        </xs:restriction>
      </xs:simpleType>
    </xs:element>
    <xs:element name="deltaC" minOccurs="0">
      <xs:annotation>
        <xs:documentation xml:lang="eng">Color cast.</xs:documentation>
      </xs:annotation>
      <xs:simpleType>
        <xs:restriction base="xs:float">
          <xs:minInclusive value="0"/>
          <xs:maxInclusive value="283"/>
        </xs:restriction>
      </xs:simpleType>
    </xs:element>
  </xs:sequence>
</xs:complexType>
  
```

```

</xs:element>
</xs:sequence>
<xs:attribute name="patchID" use="required">
  <xs:annotation>
    <xs:documentation xml:lang="eng">ID of the current patch. Matched against the ID of the real-
    world patch, as found in the corresponding attribute under targetData/colorValues. Allowed values: 1
    or higher</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:short">
      <xs:minInclusive value="1"/>
    </xs:restriction>
  </xs:simpleType>
</xs:attribute>
</xs:complexType>

```

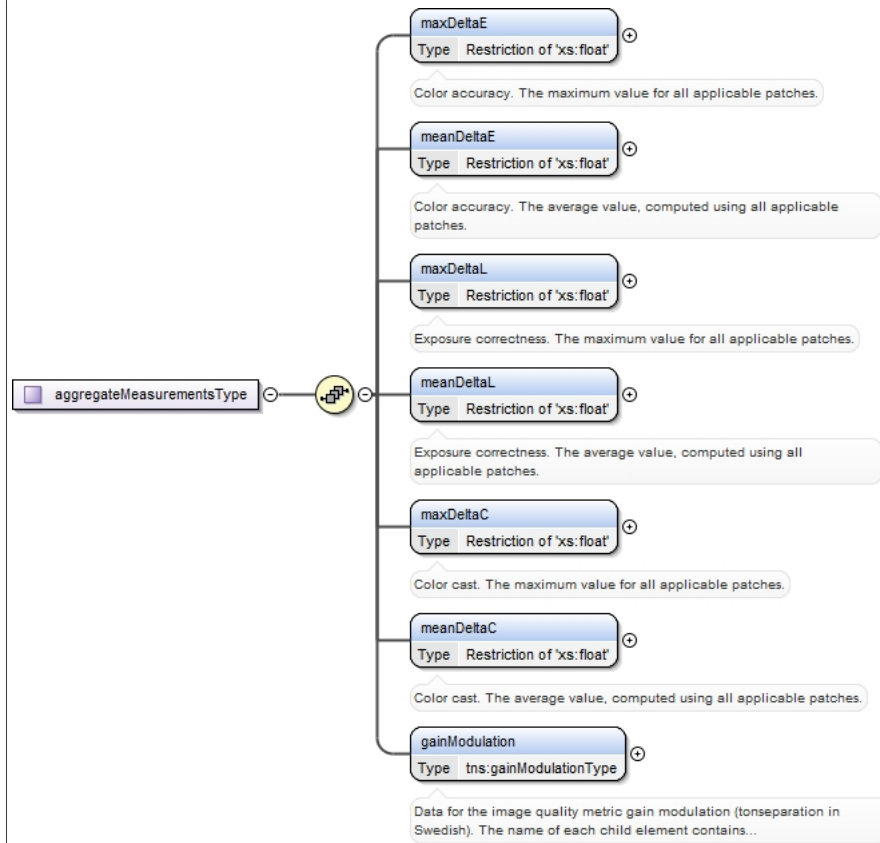
## Complex Type tns:colorValuesType

|           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|-----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace | kb.se/ns/image_capture_performance                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Diagram   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Used by   | Element tns:patchType/tns:colorValues                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Model     | tns:L , tns:A , tns:B , tns:noise                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Children  | tns:A, tns:B, tns:L, tns:noise                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Source    | <pre> &lt;xs:complexType name="colorValuesType"&gt;   &lt;xs:sequence&gt;     &lt;xs:element name="L" minOccurs="1"&gt;       &lt;xs:simpleType&gt;         &lt;xs:restriction base="xs:float"&gt;           &lt;xs:minInclusive value="0"/&gt;           &lt;xs:maxInclusive value="100"/&gt;         &lt;/xs:restriction&gt;       &lt;/xs:simpleType&gt;     &lt;/xs:element&gt;     &lt;xs:element name="A" minOccurs="1"&gt;       &lt;xs:simpleType&gt;         &lt;xs:restriction base="xs:float"&gt;           &lt;xs:minInclusive value="-100"/&gt;           &lt;xs:maxInclusive value="100"/&gt;         &lt;/xs:restriction&gt;       &lt;/xs:simpleType&gt;     &lt;/xs:element&gt;     &lt;xs:element name="B" minOccurs="1"&gt;       &lt;xs:simpleType&gt;         &lt;xs:restriction base="xs:float"&gt;           &lt;xs:minInclusive value="-100"/&gt;           &lt;xs:maxInclusive value="100"/&gt;         &lt;/xs:restriction&gt;       &lt;/xs:simpleType&gt;     &lt;/xs:element&gt;     &lt;xs:element name="noise"&gt;       &lt;xs:simpleType&gt;         &lt;xs:restriction base="xs:float"&gt;           &lt;xs:minInclusive value="0"/&gt;         &lt;/xs:restriction&gt;       &lt;/xs:simpleType&gt;     &lt;/xs:element&gt;   &lt;/xs:sequence&gt; &lt;/xs:complexType&gt; </pre> |

## Complex Type tns:aggregateMeasurementsType

|           |                                    |
|-----------|------------------------------------|
| Namespace | kb.se/ns/image_capture_performance |
|-----------|------------------------------------|

## Diagram



## Used by

Element `tns:colorExposureMeasurementType/tns:aggregateMeasurements`

## Model

`tns:maxDeltaE` , `tns:meanDeltaE` , `tns:maxDeltaL` , `tns:meanDeltaL` , `tns:maxDeltaC` , `tns:meanDeltaC` , `tns:gainModulation`

## Children

`tns:gainModulation`, `tns:maxDeltaC`, `tns:maxDeltaE`, `tns:maxDeltaL`, `tns:meanDeltaC`, `tns:meanDeltaE`, `tns:meanDeltaL`

## Source

```
<xs:complexType name="aggregateMeasurementsType">
  <xs:sequence>
    <xs:element name="maxDeltaE" minOccurs="1">
      <xs:annotation>
        <xs:documentation xml:lang="eng">Color accuracy. The maximum value for all applicable
patches.</xs:documentation>
      </xs:annotation>
      <xs:simpleType>
        <xs:restriction base="xs:float">
          <xs:minInclusive value="0"/>
          <xs:maxInclusive value="300"/>
        </xs:restriction>
      </xs:simpleType>
    </xs:element>
    <xs:element name="meanDeltaE" minOccurs="1">
      <xs:annotation>
        <xs:documentation xml:lang="eng">Color accuracy. The average value, computed using all
applicable patches.</xs:documentation>
      </xs:annotation>
      <xs:simpleType>
        <xs:restriction base="xs:float">
          <xs:minInclusive value="0"/>
          <xs:maxInclusive value="300"/>
        </xs:restriction>
      </xs:simpleType>
    </xs:element>
    <xs:element name="maxDeltaL" minOccurs="1">
      <xs:annotation>
        <xs:documentation xml:lang="eng">Exposure correctness. The maximum value for all applicable
patches.</xs:documentation>
      </xs:annotation>
      <xs:simpleType>
        <xs:restriction base="xs:float">
          <xs:minInclusive value="0"/>
          <xs:maxInclusive value="100"/>
        </xs:restriction>
      </xs:simpleType>
    </xs:element>
    <xs:element name="meanDeltaL" minOccurs="1">
      <xs:annotation>
        <xs:documentation xml:lang="eng">Exposure correctness. The average value, computed using all
applicable patches.</xs:documentation>
      </xs:annotation>
      <xs:simpleType>
        <xs:restriction base="xs:float">
          <xs:minInclusive value="0"/>
          <xs:maxInclusive value="100"/>
        </xs:restriction>
      </xs:simpleType>
    </xs:element>
    <xs:element name="maxDeltaC" minOccurs="1">
      <xs:annotation>
        <xs:documentation xml:lang="eng">Color cast. The maximum value for all applicable
patches.</xs:documentation>
      </xs:annotation>
      <xs:simpleType>
        <xs:restriction base="xs:float">
          <xs:minInclusive value="0"/>
          <xs:maxInclusive value="300"/>
        </xs:restriction>
      </xs:simpleType>
    </xs:element>
    <xs:element name="meanDeltaC" minOccurs="1">
      <xs:annotation>
        <xs:documentation xml:lang="eng">Color cast. The average value, computed using all
applicable patches.</xs:documentation>
      </xs:annotation>
      <xs:simpleType>
        <xs:restriction base="xs:float">
          <xs:minInclusive value="0"/>
          <xs:maxInclusive value="300"/>
        </xs:restriction>
      </xs:simpleType>
    </xs:element>
    <xs:element name="gainModulation" minOccurs="1">
      <xs:annotation>
        <xs:documentation xml:lang="eng">Data for the image quality metric gain modulation (tonseparation in
Swedish). The name of each child element contains...</xs:documentation>
      </xs:annotation>
      <xs:simpleType>
        <xs:restriction base="tns:gainModulationType"/>
      </xs:simpleType>
    </xs:element>
  </xs:sequence>
</xs:complexType>
```

```

<xs:element name="meanDeltaL" minOccurs="1">
  <xs:annotation>
    <xs:documentation xml:lang="eng">Exposure correctness. The average value, computed using all
applicable patches.</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:float">
      <xs:minInclusive value="0"/>
      <xs:maxInclusive value="100"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
<xs:element name="maxDeltaC" minOccurs="1">
  <xs:annotation>
    <xs:documentation xml:lang="eng">Color cast. The maximum value for all applicable patches.</
xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:float">
      <xs:minInclusive value="0"/>
      <xs:maxInclusive value="283"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
<xs:element name="meanDeltaC" minOccurs="1">
  <xs:annotation>
    <xs:documentation xml:lang="eng">Color cast. The average value, computed using all
applicable patches.</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:float">
      <xs:minInclusive value="0"/>
      <xs:maxInclusive value="283"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
<xs:element type="tns:gainModulationType" name="gainModulation">
  <xs:annotation>
    <xs:documentation xml:lang="eng">Data for the image quality metric gain modulation
(tonseparation in Swedish). The name of each child element contains the approximate
luminosity value of the two patches used for the measurement. Not all elements has to be used.
Generally, measurements for one small interval and one large interval should be performed.</
xs:documentation>
  </xs:annotation>
</xs:element>
</xs:sequence>
</xs:complexType>

```

## Complex Type tns:gainModulationType

|           |                                                                                                        |
|-----------|--------------------------------------------------------------------------------------------------------|
| Namespace | kb.se/ns/image_capture_performance                                                                     |
| Diagram   |                                                                                                        |
| Used by   | Element tns:aggregateMeasurementsType/tns:gainModulation                                               |
| Model     | ((tns:L95-L80 , tns:L95-L90{0,1})   (tns:L95-L90)), ((tns:L85-L20 , tns:L85-L10{0,1})   (tns:L85-L10)) |
| Children  | tns:L85-L10, tns:L85-L20, tns:L95-L80, tns:L95-L90                                                     |
| Source    | <pre> &lt;xs:complexType name="gainModulationType"&gt;   &lt;xs:sequence&gt; </pre>                    |

```

<xs:choice maxOccurs="1">
  <xs:annotation>
    <xs:documentation xml:lang="eng">One or both element must exist</xs:documentation>
  </xs:annotation>
  <xs:sequence>
    <xs:element name="L95-L80" type="tns:L95-L80Type"/>
    <xs:element name="L95-L90" minOccurs="0" type="tns:L95-L90Type"/>
  </xs:sequence>
  <xs:sequence>
    <xs:element name="L95-L90" type="tns:L95-L90Type"/>
  </xs:sequence>
</xs:choice>
<xs:choice maxOccurs="1">
  <xs:annotation>
    <xs:documentation xml:lang="eng">One or both element must exist</xs:documentation>
  </xs:annotation>
  <xs:sequence>
    <xs:element name="L85-L20" type="tns:L85-L20Type"/>
    <xs:element name="L85-L10" maxOccurs="1" minOccurs="0" type="tns:L85-L10Type"/>
  </xs:sequence>
  <xs:sequence>
    <xs:element name="L85-L10" maxOccurs="1" minOccurs="1" type="tns:L85-L10Type"/>
  </xs:sequence>
</xs:choice>
</xs:sequence>
</xs:complexType>

```

## Complex Type tns:L95-L80Type

|             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                    |          |  |
|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|----------|--|
| Namespace   | kb.se/ns/image_capture_performance                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                    |          |  |
| Annotations | This is a composite entry for the following ranges: L*95-L*85, L*95-L*80, L*90-L*80. Only a single metric is intened to be used at measurement time                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                    |          |  |
| Diagram     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                    |          |  |
| Used by     | Element                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | tns:gainModulationType/tns:L95-L80 |          |  |
| Model       | tns:value                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                    |          |  |
| Children    | tns:value                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                    |          |  |
| Attributes  | QName                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Type                               | Use      |  |
|             | measuredSeparation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                    | optional |  |
|             | The actual interval/separation that was used for the measurement. L*95-L*80,L*95-L*80, or L*90-L*80 is the target, but the target patches might result in a slightly different interval.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                    |          |  |
| Source      | <pre>&lt;xs:complexType name="L95-L80Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;This is a composite entry for the following ranges: L*95-L*85, L*95-L*80, L*90-L*80. Only a single metric is intened to be used at measurement time&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:sequence&gt;     &lt;xs:element name="value"&gt;       &lt;xs:simpleType&gt;         &lt;xs:restriction base="xs:float"&gt;           &lt;xs:minInclusive value="0"/&gt;         &lt;/xs:restriction&gt;       &lt;/xs:simpleType&gt;     &lt;/xs:element&gt;   &lt;/xs:sequence&gt;   &lt;xs:attribute name="measuredSeparation"&gt;     &lt;xs:annotation&gt;       &lt;xs:documentation&gt;The actual interval/separation that was used for the measurement. L*95- L*80,L*95-L*80, or L*90-L*80 is the target, but the target patches might result in a slightly different interval.&lt;/xs:documentation&gt;     &lt;/xs:annotation&gt;   &lt;/xs:attribute&gt; &lt;/xs:complexType&gt;</pre> |                                    |          |  |

## Complex Type tns:L95-L90Type

|             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                               |          |
|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| Namespace   | kb.se/ns/image_capture_performance                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                               |          |
| Annotations | This is a composite entry for L*95-L*90 and L*90-L*85. The two metrics are not intended to be used at the same time.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                               |          |
| Diagram     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                               |          |
| Used by     | Element                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | tns:gainModulationType/tns:L95-L90                                                                                                                                            |          |
| Model       | tns:value                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                               |          |
| Children    | tns:value                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                               |          |
| Attributes  | QName                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Type                                                                                                                                                                          | Use      |
|             | measuredSeparation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                               | optional |
|             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | The actual interval/separation that was used for the measurement. L*95-L*90 or L*90-L*85 is the target, but the target patches might result in a slightly different interval. |          |
| Source      | <pre>&lt;xs:complexType name="L95-L90Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;This is a composite entry for L*95-L*90 and L*90-L*85. The two metrics are not     intended to be used at the same time.&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:sequence&gt;     &lt;xs:element name="value"&gt;       &lt;xs:simpleType&gt;         &lt;xs:restriction base="xs:float"&gt;           &lt;xs:minInclusive value="0"/&gt;         &lt;/xs:restriction&gt;       &lt;/xs:simpleType&gt;     &lt;/xs:element&gt;   &lt;/xs:sequence&gt;   &lt;xs:attribute name="measuredSeparation"&gt;     &lt;xs:annotation&gt;       &lt;xs:documentation&gt;The actual interval/separation that was used for the measurement. L*95-L*90       or L*90-L*85 is the target, but the target patches might result in a slightly different interval.&lt;/     &lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;/xs:attribute&gt; &lt;/xs:complexType&gt;</pre> |                                                                                                                                                                               |          |

## Complex Type tns:L85-L20Type

|             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                    |          |  |
|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|----------|--|
| Namespace   | kb.se/ns/image_capture_performance                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                    |          |  |
| Annotations |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                    |          |  |
| Diagram     | <p>The diagram illustrates the structure of the <code>L85-L20Type</code> complex type. It consists of an <code>Attributes</code> group containing a <code>measuredSeparation</code> attribute. The <code>measuredSeparation</code> attribute is described as "The actual interval/separation that was used for the measurement. L85-L*20 is the target, but the target patches might...". Additionally, the <code>L85-L20Type</code> is associated with a <code>value</code> element, which is a restriction of the <code>xs:float</code> type.</p> |                                    |          |  |
| Used by     | Element                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | tns:gainModulationType/tns:L85-L20 |          |  |
| Model       | tns:value                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                    |          |  |
| Children    | tns:value                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                    |          |  |
| Attributes  | QName                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Type                               | Use      |  |
|             | measuredSeparation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                    | optional |  |

|        | QName                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Type                                                                                                                                                            | Use |
|--------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|
|        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | The actual interval/separation that was used for the measurement. L85-L*20 is the target, but the target patches might result in a slightly different interval. |     |
| Source | <pre> &lt;xs:complexType name="L85-L20Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation/&gt;   &lt;/xs:annotation&gt;   &lt;xs:sequence&gt;     &lt;xs:element name="value"&gt;       &lt;xs:simpleType&gt;         &lt;xs:restriction base="xs:float"&gt;           &lt;xs:minInclusive value="0"/&gt;         &lt;/xs:restriction&gt;       &lt;/xs:simpleType&gt;     &lt;/xs:element&gt;   &lt;/xs:sequence&gt;   &lt;xs:attribute name="measuredSeparation"&gt;     &lt;xs:annotation&gt;       &lt;xs:documentation&gt;The actual interval/separation that was used for the measurement. L85-L*20 is the target, but the target patches might result in a slightly different interval.&lt;/xs:documentation&gt;     &lt;/xs:annotation&gt;   &lt;/xs:attribute&gt; &lt;/xs:complexType&gt; </pre> |                                                                                                                                                                 |     |

## Complex Type tns:L85-L10Type

| Namespace                 | kb.se/ns/image_capture_performance                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                    |      |     |                           |  |          |  |                                                                                                                                                                  |  |  |  |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|------|-----|---------------------------|--|----------|--|------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|
| Annotations               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                    |      |     |                           |  |          |  |                                                                                                                                                                  |  |  |  |
| Diagram                   | <p>The diagram illustrates the structure of the <code>L85-L10Type</code> complex type. It consists of an attribute <code>measuredSeparation</code> and an element <code>value</code> of type <code>Restriction of xs:float</code>. A note indicates that <code>measuredSeparation</code> is the actual interval/separation used for the measurement, with <code>L*85-L*10</code> being the target.</p>                                                                                                                                                                                                                                                                                                                                                                                                          |                                    |      |     |                           |  |          |  |                                                                                                                                                                  |  |  |  |
| Used by                   | Element                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | tns:gainModulationType/tns:L85-L10 |      |     |                           |  |          |  |                                                                                                                                                                  |  |  |  |
| Model                     | tns:value                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                    |      |     |                           |  |          |  |                                                                                                                                                                  |  |  |  |
| Children                  | tns:value                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                    |      |     |                           |  |          |  |                                                                                                                                                                  |  |  |  |
| Attributes                | <table><thead><tr><th>QName</th><th>Type</th><th>Use</th></tr></thead><tbody><tr><td><b>measuredSeparation</b></td><td></td><td>optional</td></tr><tr><td></td><td colspan="2">The actual interval/separation that was used for the measurement. L*85-L*10 is the target, but the target patches might result in a slightly different interval.</td></tr></tbody></table>                                                                                                                                                                                                                                                                                                                                                                                                                                       | QName                              | Type | Use | <b>measuredSeparation</b> |  | optional |  | The actual interval/separation that was used for the measurement. L*85-L*10 is the target, but the target patches might result in a slightly different interval. |  |  |  |
| QName                     | Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Use                                |      |     |                           |  |          |  |                                                                                                                                                                  |  |  |  |
| <b>measuredSeparation</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | optional                           |      |     |                           |  |          |  |                                                                                                                                                                  |  |  |  |
|                           | The actual interval/separation that was used for the measurement. L*85-L*10 is the target, but the target patches might result in a slightly different interval.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                    |      |     |                           |  |          |  |                                                                                                                                                                  |  |  |  |
| Source                    | <pre>&lt;xs:complexType name="L85-L10Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation/&gt;   &lt;/xs:annotation&gt;   &lt;xs:sequence&gt;     &lt;xs:element name="value"&gt;       &lt;xs:simpleType&gt;         &lt;xs:restriction base="xs:float"&gt;           &lt;xs:minInclusive value="0"/&gt;         &lt;/xs:restriction&gt;       &lt;/xs:simpleType&gt;     &lt;/xs:element&gt;   &lt;/xs:sequence&gt;   &lt;xs:attribute name="measuredSeparation"&gt;     &lt;xs:annotation&gt;       &lt;xs:documentation&gt;The actual interval/separation that was used for the measurement. L*85-L*10 is the target, but the target patches might result in a slightly different interval.&lt;/xs:documentation&gt;     &lt;/xs:annotation&gt;   &lt;/xs:attribute&gt; &lt;/xs:complexType&gt;</pre> |                                    |      |     |                           |  |          |  |                                                                                                                                                                  |  |  |  |

Complex Type **tns:generalMeasurementsType**

|           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|-----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace | kb.se/ns/image_capture_performance                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Diagram   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Used by   | Element <b>tns:imageDataType/tns:generalMeasurements</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Model     | tns:illuminationUniformity{0,1} , tns:periodicMeasurement* , tns:resolution , tns:opticalResolution{0,1} , tns:noise{0,1}                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Children  | tns:illuminationUniformity, tns:noise, tns:opticalResolution, tns:periodicMeasurement, tns:resolution                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Source    | <pre> &lt;xs:complexType name="generalMeasurementsType"&gt;   &lt;xs:sequence&gt;     &lt;xs:element name="illuminationUniformity" type="tns:illuminationUniformityType" minOccurs="0"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation xml:lang="eng"&gt;The difference in illumination, measured between the image         corners and the center. Measured in deltaL. A result might be included for all possible object         sizes or onxslly for element that corresponds to the size of the current object&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;       &lt;xs:unique name="uniqueSize"&gt;         &lt;xs:selector xpath="./tns:illuminationUniformityValue"/&gt;         &lt;xs:field xpath="@size"/&gt;       &lt;/xs:unique&gt;     &lt;/xs:element&gt;     &lt;xs:element name="periodicMeasurement" type="tns:periodicMeasurement" maxOccurs="unbounded"     minOccurs="0"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation xml:lang="eng"&gt;Generic complex type for periodic measurement, e.g.         sharpness, stitching.&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:element&gt;     &lt;xs:element name="resolution"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;The computed resolution for the captured image, measured in ppi. The         nominal resolution is not allowed in this element.&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;       &lt;xs:complexType&gt;         &lt;xs:simpleContent&gt;           &lt;xs:extension base="xs:short"&gt;             &lt;xs:attribute name="nameOfTarget"/&gt;           &lt;/xs:extension&gt;         &lt;/xs:simpleContent&gt;       &lt;/xs:complexType&gt;     &lt;/xs:element&gt;     &lt;xs:element name="opticalResolution" type="tns:opticalResolutionType" minOccurs="0"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;The optical resolution of the image.&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:element&gt;     &lt;xs:element name="noise" type="tns:noiseType" minOccurs="0"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;Noise is computed as the standard deviation in the Y-channel&lt;/         xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:element&gt;   &lt;/xs:sequence&gt; </pre> |

&lt;/xs:complexType&gt;

**Complex Type tns:illuminationUniformityType**

|            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                        |          |
|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|----------|
| Namespace  | kb.se/ns/image_capture_performance                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                        |          |
| Diagram    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                        |          |
| Used by    | Element                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | tns:generalMeasurementsType/tns:illuminationUniformity |          |
| Model      | tns:illuminationUniformityValue , tns:dateOfIlluminationMeasurement , tns:daysSinceIlluminationMeasurement                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                        |          |
| Children   | tns:dateOfIlluminationMeasurement, tns:daysSinceIlluminationMeasurement, tns:illuminationUniformityValue                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                        |          |
| Attributes | QName                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Type                                                   | Use      |
|            | nameOfTarget                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | restriction of xs:string                               | required |
|            | Must exist a nameOfTarget element with the same contents under generalInformation. Allowed characters: a-z, A-Z, 0-9 and ._%+-                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                        |          |
| Source     | <pre>&lt;xs:complexType name="illuminationUniformityType"&gt;   &lt;xs:sequence&gt;     &lt;xs:sequence minOccurs="1" maxOccurs="3"&gt;       &lt;xs:element name="illuminationUniformityValue" maxOccurs="1"&gt;         &lt;xs:annotation&gt;           &lt;xs:documentation xml:lang="eng"&gt;The measured illumination uniformity for the size of the real-world object, in deltaL. The element that is closest to the real-world size of the object must be created. The other elements are optional.&lt;/xs:documentation&gt;         &lt;/xs:annotation&gt;         &lt;xs:complexType&gt;           &lt;xs:simpleContent&gt;             &lt;xs:extension base="tns:illuminationUniformityValueType"&gt;               &lt;xs:attribute name="size" use="required"&gt;                 &lt;xs:simpleType&gt;                   &lt;xs:restriction base="xs:string"&gt;                     &lt;xs:enumeration value="A1"/&gt;                     &lt;xs:enumeration value="A2"/&gt;                     &lt;xs:enumeration value="A3"/&gt;                   &lt;/xs:restriction&gt;                 &lt;/xs:simpleType&gt;               &lt;/xs:attribute&gt;             &lt;/xs:extension&gt;           &lt;/xs:simpleContent&gt;         &lt;/xs:complexType&gt;       &lt;/xs:element&gt;     &lt;/xs:sequence&gt;     &lt;xs:element name="dateOfIlluminationMeasurement" type="xs:dateTime"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation xml:lang="eng"&gt;Datetime of the last illumination measurement&lt;/ xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:element&gt;     &lt;xs:element name="daysSinceIlluminationMeasurement"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation xml:lang="eng"&gt;Days since the last illumination uniformity measurement&lt;/ xs:documentation&gt;       &lt;/xs:annotation&gt;       &lt;xs:simpleType&gt;         &lt;xs:restriction base="xs:short"&gt;           &lt;xs:minInclusive value="0"/&gt;         &lt;/xs:restriction&gt;       &lt;/xs:simpleType&gt;     &lt;/xs:element&gt;   &lt;/xs:sequence&gt; &lt;/xs:complexType&gt;</pre> |                                                        |          |

```

</xs:sequence>
<xs:attribute name="nameOfTarget" use="required">
  <xs:annotation>
    <xs:documentation>Must exist a nameOfTarget element with the same contents under
    generalInformation. Allowed characters: a-z, A-Z, 0-9 and ._%+-</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:string">
      <xs:pattern value="[a-zA-Z0-9._%+-]"/>
    </xs:restriction>
  </xs:simpleType>
</xs:attribute>
</xs:complexType>

```

## Complex Type tns:periodicMeasurement

| Namespace       | kb.se/ns/image_capture_performance                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                     |      |     |  |                 |                          |          |  |  |                                                                                                 |  |  |              |                          |          |  |  |                                                                                                                                |  |  |  |  |
|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------|------|-----|--|-----------------|--------------------------|----------|--|--|-------------------------------------------------------------------------------------------------|--|--|--------------|--------------------------|----------|--|--|--------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|
| Diagram         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                     |      |     |  |                 |                          |          |  |  |                                                                                                 |  |  |              |                          |          |  |  |                                                                                                                                |  |  |  |  |
| Used by         | Element                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | tns:generalMeasurementsType/tns:periodicMeasurement |      |     |  |                 |                          |          |  |  |                                                                                                 |  |  |              |                          |          |  |  |                                                                                                                                |  |  |  |  |
| Model           | tns:dateOfMeasurement , tns:daysSinceMeasurement , ((tns:resultString , tns:resultNumeric{0,1})   (tns:resultNumeric))                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                     |      |     |  |                 |                          |          |  |  |                                                                                                 |  |  |              |                          |          |  |  |                                                                                                                                |  |  |  |  |
| Children        | tns:dateOfMeasurement, tns:daysSinceMeasurement, tns:resultNumeric, tns:resultString                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                     |      |     |  |                 |                          |          |  |  |                                                                                                 |  |  |              |                          |          |  |  |                                                                                                                                |  |  |  |  |
| Attributes      | <table><thead><tr><th>QName</th><th>Type</th><th>Use</th><th></th></tr></thead><tbody><tr><td>measurementType</td><td>restriction of xs:string</td><td>required</td><td></td></tr><tr><td></td><td colspan="3">Type of measurement, e.g. sharpness, stitching etc. Allowed characters: a-z, A-Z, 0-9 and ._%+-</td></tr><tr><td>nameOfTarget</td><td>restriction of xs:string</td><td>required</td><td></td></tr><tr><td></td><td colspan="3">Must exist a nameOfTarget element with the same contents under generalInformation. Allowed characters: a-z, A-Z, 0-9 and ._%+-</td></tr></tbody></table> | QName                                               | Type | Use |  | measurementType | restriction of xs:string | required |  |  | Type of measurement, e.g. sharpness, stitching etc. Allowed characters: a-z, A-Z, 0-9 and ._%+- |  |  | nameOfTarget | restriction of xs:string | required |  |  | Must exist a nameOfTarget element with the same contents under generalInformation. Allowed characters: a-z, A-Z, 0-9 and ._%+- |  |  |  |  |
| QName           | Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Use                                                 |      |     |  |                 |                          |          |  |  |                                                                                                 |  |  |              |                          |          |  |  |                                                                                                                                |  |  |  |  |
| measurementType | restriction of xs:string                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | required                                            |      |     |  |                 |                          |          |  |  |                                                                                                 |  |  |              |                          |          |  |  |                                                                                                                                |  |  |  |  |
|                 | Type of measurement, e.g. sharpness, stitching etc. Allowed characters: a-z, A-Z, 0-9 and ._%+-                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                     |      |     |  |                 |                          |          |  |  |                                                                                                 |  |  |              |                          |          |  |  |                                                                                                                                |  |  |  |  |
| nameOfTarget    | restriction of xs:string                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | required                                            |      |     |  |                 |                          |          |  |  |                                                                                                 |  |  |              |                          |          |  |  |                                                                                                                                |  |  |  |  |
|                 | Must exist a nameOfTarget element with the same contents under generalInformation. Allowed characters: a-z, A-Z, 0-9 and ._%+-                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                     |      |     |  |                 |                          |          |  |  |                                                                                                 |  |  |              |                          |          |  |  |                                                                                                                                |  |  |  |  |
| Source          | <pre>&lt;xs:complexType name="periodicMeasurement"&gt;   &lt;xs:sequence&gt;     &lt;xs:element name="dateOfMeasurement" type="xs:dateTime"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation xml:lang="eng"&gt;Date of the periodic measurement&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:element&gt;     &lt;xs:element name="daysSinceMeasurement"&gt;</pre>                                                                                                                                                                                                     |                                                     |      |     |  |                 |                          |          |  |  |                                                                                                 |  |  |              |                          |          |  |  |                                                                                                                                |  |  |  |  |

```

<xs:annotation>
  <xs:documentation xml:lang="eng">Number of days since the measurement was performed</
xs:documentation>
</xs:annotation>
<xs:simpleType>
  <xs:restriction base="xs:short">
    <xs:minInclusive value="0"/>
  </xs:restriction>
</xs:simpleType>
</xs:element>
<xs:choice minOccurs="1" maxOccurs="1">
  <xs:annotation>
    <xs:documentation xml:lang="eng">At least one or both of resultString and resultNumeric is
needed.</xs:documentation>
  </xs:annotation>
  <xs:sequence>
    <xs:element name="resultString" type="tns:resultStringType" minOccurs="1"/>
    <xs:element name="resultNumeric" type="tns:resultNumericType" minOccurs="0"/>
  </xs:sequence>
  <xs:sequence>
    <xs:element name="resultNumeric" type="tns:resultNumericType" minOccurs="1"/>
  </xs:sequence>
</xs:choice>
</xs:sequence>
<xs:attribute name="measurementType" use="required">
  <xs:annotation>
    <xs:documentation xml:lang="eng">Type of measurement, e.g. sharpness, stitching etc. Allowed
characters: a-z, A-Z, 0-9 and ._%+-</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:string">
      <xs:pattern value="[a-zA-Z0-9._%+-]"/>
    </xs:restriction>
  </xs:simpleType>
</xs:attribute>
<xs:attribute name="nameOfTarget" use="required">
  <xs:annotation>
    <xs:documentation>Must exist a nameOfTarget element with the same contents under
generalInformation. Allowed characters: a-z, A-Z, 0-9 and ._%+-</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:string">
      <xs:pattern value="[a-zA-Z0-9._%+-]"/>
    </xs:restriction>
  </xs:simpleType>
</xs:attribute>
</xs:complexType>

```

## Complex Type tns:opticalResolutionType

|           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|-----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace | kb.se/ns/image_capture_performance                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Diagram   | <pre> graph TD     opticalResolutionType[opticalResolutionType] --- nameOfTarget[nameOfTarget<br/>Type: Restriction of 'xs:string'<br/>Must exist a nameOfTarget element with the same contents under<br/>generalInformation. Allowed characters: a-z, A-Z, 0-9...]     opticalResolutionType --- dateOfIlluminationMeasurement[dateOfIlluminationMeasurement<br/>Type: xs:dateTime<br/>Datetime of the last optical resolution measurement]     opticalResolutionType --- daysSinceIlluminationMeasurement[daysSinceIlluminationMeasurement<br/>Type: Restriction of 'xs:short'<br/>Days since the last measurement of opticalResolution measurement]     opticalResolutionType --- measuredResolution[measuredResolution<br/>Type: Restriction of 'xs:float'<br/>The measured optical resolution for the captured image, measured in<br/>ppi. The nominal resolution is not allowed in this...] </pre> |
| Used by   | Element tns:generalMeasurementsType/tns:opticalResolution                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Model     | tns:dateOfIlluminationMeasurement , tns:daysSinceIlluminationMeasurement , tns:measuredResolution                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Children  | tns:dateOfIlluminationMeasurement, tns:daysSinceIlluminationMeasurement, tns:measuredResolution                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

|            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                |          |  |
|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|----------|--|
| Attributes | QName                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Type                                                                                                                           | Use      |  |
|            | nameOfTarget                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | restriction of xs:string                                                                                                       | required |  |
|            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Must exist a nameOfTarget element with the same contents under generalInformation. Allowed characters: a-z, A-Z, 0-9 and ._%+- |          |  |
| Source     | <pre>&lt;xs:complexType name="opticalResolutionType"&gt;   &lt;xs:sequence&gt;     &lt;xs:element name="dateOfIlluminationMeasurement" type="xs:dateTime"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation xml:lang="eng"&gt;Datetime of the last optical resolution measurement&lt;/ xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:element&gt;     &lt;xs:element name="daysSinceIlluminationMeasurement"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation xml:lang="eng"&gt;Days since the last measurement of opticalResolution measurement&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;       &lt;xs:simpleType&gt;         &lt;xs:restriction base="xs:short"&gt;           &lt;xs:minInclusive value="0"/&gt;         &lt;/xs:restriction&gt;       &lt;/xs:simpleType&gt;     &lt;/xs:element&gt;     &lt;xs:element minOccurs="1" name="measuredResolution"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;The measured optical resolution for the captured image, measured in ppi. The nominal resolution is not allowed in this element.&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;       &lt;xs:simpleType&gt;         &lt;xs:restriction base="xs:float"&gt;           &lt;xs:minInclusive value="0"/&gt;         &lt;/xs:restriction&gt;       &lt;/xs:simpleType&gt;     &lt;/xs:element&gt;   &lt;/xs:sequence&gt;   &lt;xs:attribute name="nameOfTarget" use="required"&gt;     &lt;xs:annotation&gt;       &lt;xs:documentation&gt;Must exist a nameOfTarget element with the same contents under generalInformation. Allowed characters: a-z, A-Z, 0-9 and ._%+-&lt;/xs:documentation&gt;     &lt;/xs:annotation&gt;     &lt;xs:simpleType&gt;       &lt;xs:restriction base="xs:string"&gt;         &lt;xs:pattern value="[a-zA-Z0-9._%+-]"/&gt;       &lt;/xs:restriction&gt;     &lt;/xs:simpleType&gt;   &lt;/xs:attribute&gt; &lt;/xs:complexType&gt;</pre> |                                                                                                                                |          |  |

## Complex Type tns:noiseType

| Namespace  | kb.se/ns/image_capture_performance                                                                                                                                                |      |          |  |
|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----------|--|
| Diagram    |                                                                                                                                                                                   |      |          |  |
| Used by    | Element tns:generalMeasurementsType/tns:noise                                                                                                                                     |      |          |  |
| Model      | tns:patchNoise+ , tns:maxNoise                                                                                                                                                    |      |          |  |
| Children   | tns:maxNoise, tns:patchNoise                                                                                                                                                      |      |          |  |
| Attributes | QName                                                                                                                                                                             | Type | Use      |  |
|            | nameOfTarget                                                                                                                                                                      |      | optional |  |
| Source     | <pre> &lt;xs:complexType name="noiseType"&gt;   &lt;xs:sequence&gt;     &lt;xs:element maxOccurs="unbounded" minOccurs="1" name="patchNoise" type="tns:patchNoiseType"&gt; </pre> |      |          |  |

```

<xs:annotation>
  <xs:documentation>Measured noise for individual patches</xs:documentation>
</xs:annotation>
</xs:element>
<xs:element name="maxNoise">
  <xs:annotation>
    <xs:documentation>The maximum noise value</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:float">
      <xs:minInclusive value="0"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
</xs:sequence>
<xs:attribute name="nameOfTarget"/>
</xs:complexType>

```

## Complex Type tns:patchNoiseType

|            |                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                              |          |  |
|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|----------|--|
| Namespace  | kb.se/ns/image_capture_performance                                                                                                                                                                                                                                                                                                                                                                                                                           |                              |          |  |
| Diagram    |                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                              |          |  |
| Used by    | Element                                                                                                                                                                                                                                                                                                                                                                                                                                                      | tns:noiseType/tns:patchNoise |          |  |
| Model      | tns:noiseValue                                                                                                                                                                                                                                                                                                                                                                                                                                               |                              |          |  |
| Children   | tns:noiseValue                                                                                                                                                                                                                                                                                                                                                                                                                                               |                              |          |  |
| Attributes | QName                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Type                         | Use      |  |
|            | patchID                                                                                                                                                                                                                                                                                                                                                                                                                                                      | restriction of xs:short      | required |  |
| Source     | <pre>&lt;xs:complexType name="patchNoiseType"&gt;   &lt;xs:sequence&gt;     &lt;xs:element maxOccurs="1" name="noiseValue" type="xs:float"/&gt;   &lt;/xs:sequence&gt;   &lt;xs:attribute name="patchID" use="required"&gt;     &lt;xs:simpleType&gt;       &lt;xs:restriction base="xs:short"&gt;         &lt;xs:minInclusive value="1"/&gt;       &lt;/xs:restriction&gt;     &lt;/xs:simpleType&gt;   &lt;/xs:attribute&gt; &lt;/xs:complexType&gt;</pre> |                              |          |  |

## Complex Type tns:qualityDataType

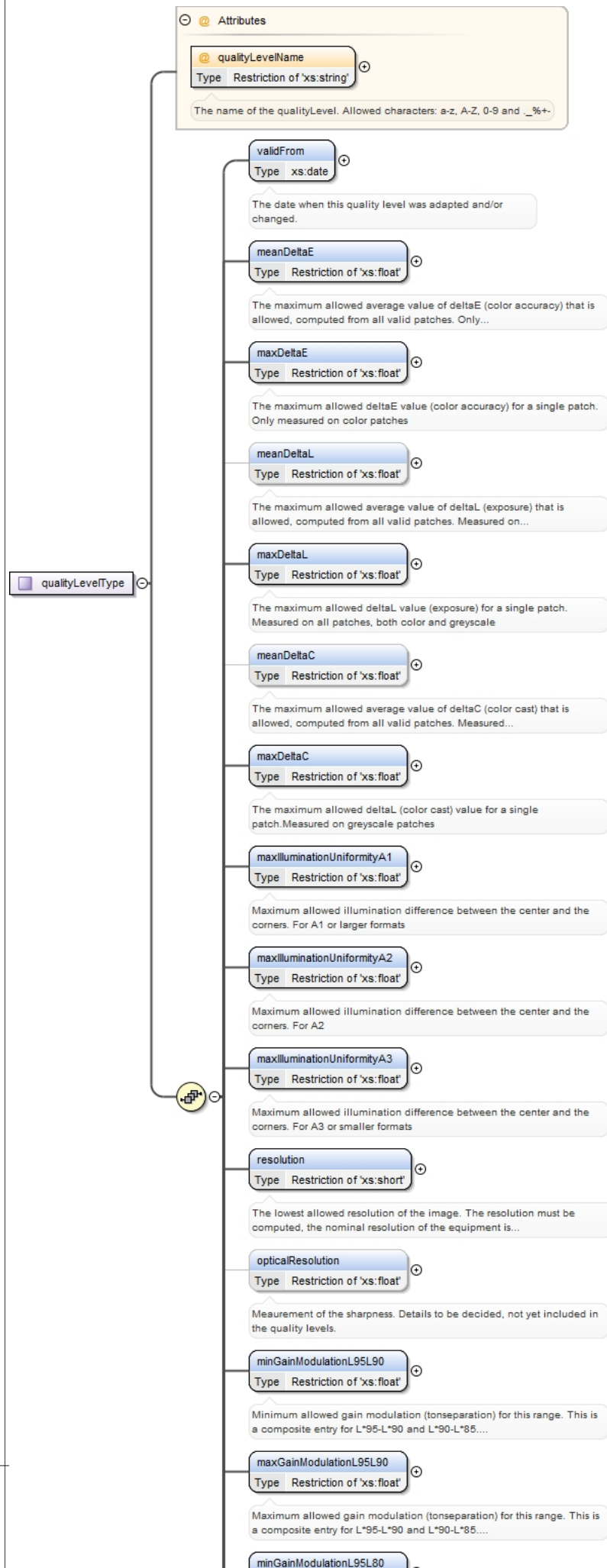
|           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                 |  |
|-----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------|--|
| Namespace | kb.se/ns/image_capture_performance                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                 |  |
| Diagram   | <p>The diagram illustrates the structure of the <code>qualityDataType</code> complex type. It is composed of three elements in a sequence:</p> <ul style="list-style-type: none"><li><b>qualityLevelData</b> (Type: <code>tns:qualityLevelType</code>): Definition of the quality level(s) used for the image quality measurements.</li><li><b>targetData</b> (Type: <code>tns:targetDataType</code>): Data about the real-world references/targets used for the quality measurements. Multiple elements are allowed since...</li><li><b>selectionBatchData</b> (Type: <code>tns:selectionBatchDataType</code>): Batch data related to the issue and the statistical quality control. See related documentation for more information.</li></ul> |                                                 |  |
| Used by   | Element                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | tns:imageQualityControlDataType/tns:qualityData |  |
| Model     | tns:qualityLevelData+ , tns:targetData+ , tns:selectionBatchData                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                 |  |

|          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Children | tns:qualityLevelData, tns:selectionBatchData, tns:targetData                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Source   | <pre>&lt;xs:complexType name="qualityDataType"&gt;   &lt;xs:sequence&gt;     &lt;xs:element type="tns:qualityLevelType" name="qualityLevelData" maxOccurs="unbounded"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation xml:lang="eng"&gt;Definition of the quality level(s) used for the image quality measurements&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:element&gt;     &lt;xs:element name="targetData" type="tns:targetDataType" maxOccurs="unbounded" minOccurs="1"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation xml:lang="eng"&gt;Data about the real-world references/targets used for the quality measurements. Multiple elements are allowed since multiple targets might have been used for the quality measurements. Always store for reference, although some data is only useful when we also store the images that contain the targets.&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:element&gt;     &lt;xs:element name="selectionBatchData" type="tns:selectionBatchDataType"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation xml:lang="eng"&gt;Batch data related to the issue and the statistical quality control. See related documentation for more information&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:element&gt;   &lt;/xs:sequence&gt; &lt;/xs:complexType&gt;</pre> |

## Complex Type tns:qualityLevelType

|           |                                    |
|-----------|------------------------------------|
| Namespace | kb.se/ns/image_capture_performance |
|-----------|------------------------------------|

## Diagram



|            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                           |          |  |
|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------|----------|--|
| Used by    | tns:qualityDataType/tns:qualityLevelData                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                           |          |  |
| Model      | tns:validFrom , tns:meanDeltaE , tns:maxDeltaE , tns:meanDeltaL{0,1} , tns:maxDeltaL , tns:meanDeltaC{0,1} , tns:maxDeltaC , tns:maxIlluminationUniformityA1 , tns:maxIlluminationUniformityA2 , tns:maxIlluminationUniformityA3 , tns:resolution , tns:opticalResolution{0,1} , tns:minGainModulationL95L90 , tns:maxGainModulationL95L90 , tns:minGainModulationL95L80 , tns:maxGainModulationL95L80 , tns:minGainModulationL85L20 , tns:maxGainModulationL85L20 , tns:minGainModulationL85L10 , tns:maxGainModulationL85L10                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                           |          |  |
| Children   | tns:maxDeltaC, tns:maxDeltaE, tns:maxDeltaL, tns:maxGainModulationL85L10, tns:maxGainModulationL85L20, tns:maxGainModulationL95L80, tns:maxGainModulationL95L90, tns:maxIlluminationUniformityA1, tns:maxIlluminationUniformityA2, tns:maxIlluminationUniformityA3, tns:meanDeltaC, tns:meanDeltaE, tns:meanDeltaL, tns:minGainModulationL85L10, tns:minGainModulationL85L20, tns:minGainModulationL95L80, tns:minGainModulationL95L90, tns:opticalResolution, tns:resolution, tns:validFrom                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                           |          |  |
| Attributes | QName                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Type                                                                      | Use      |  |
|            | qualityLevelName                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | restriction of xs:string                                                  | required |  |
|            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | The name of the qualityLevel. Allowed characters: a-z, A-Z, 0-9 and ._%+- |          |  |
| Source     | <pre>&lt;xs:complexType name="qualityLevelType"&gt;   &lt;xs:sequence&gt;     &lt;xs:element type="xs:date" name="validFrom"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation xml:lang="eng"&gt;The date when this quality level was adapted and/or changed.&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:element&gt;     &lt;xs:element name="meanDeltaE"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation xml:lang="eng"&gt;The maximum allowed average value of deltaE (color accuracy) that is allowed, computed from all valid patches. Only measured on color patches&lt;/ xs:documentation&gt;       &lt;/xs:annotation&gt;       &lt;xs:simpleType&gt;         &lt;xs:restriction base="xs:float"&gt;           &lt;xs:minInclusive value="0"/&gt;           &lt;xs:maxInclusive value="347"/&gt;         &lt;/xs:restriction&gt;       &lt;/xs:simpleType&gt;     &lt;/xs:element&gt;     &lt;xs:element name="maxDeltaE"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation xml:lang="eng"&gt;The maximum allowed deltaE value (color accuracy) for a single patch. Only measured on color patches&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;       &lt;xs:simpleType&gt;         &lt;xs:restriction base="xs:float"&gt;           &lt;xs:minInclusive value="0"/&gt;           &lt;xs:maxInclusive value="347"/&gt;         &lt;/xs:restriction&gt;       &lt;/xs:simpleType&gt;     &lt;/xs:element&gt;     &lt;xs:element name="meanDeltaL" minOccurs="0"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation xml:lang="eng"&gt;The maximum allowed average value of deltaL (exposure) that is allowed, computed from all valid patches. Measured on all patches, both color and greyscale&lt;/ xs:documentation&gt;       &lt;/xs:annotation&gt;       &lt;xs:simpleType&gt;         &lt;xs:restriction base="xs:float"&gt;           &lt;xs:minInclusive value="0"/&gt;           &lt;xs:maxInclusive value="200"/&gt;         &lt;/xs:restriction&gt;       &lt;/xs:simpleType&gt;     &lt;/xs:element&gt;     &lt;xs:element name="maxDeltaL"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation xml:lang="eng"&gt;The maximum allowed deltaL value (exposure) for a single patch. Measured on all patches, both color and greyscale&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;       &lt;xs:simpleType&gt;         &lt;xs:restriction base="xs:float"&gt;           &lt;xs:minInclusive value="0"/&gt;           &lt;xs:maxInclusive value="200"/&gt;         &lt;/xs:restriction&gt;       &lt;/xs:simpleType&gt;     &lt;/xs:element&gt;     &lt;xs:element name="meanDeltaC" minOccurs="0"&gt;       &lt;xs:annotation&gt;</pre> |                                                                           |          |  |

```

        <xs:documentation xml:lang="eng">The maximum allowed average value of deltaC (color
cast) that is allowed, computed from all valid patches. Measured only on greyscale patches</
xs:documentation>
    </xs:annotation>
    <xs:simpleType>
        <xs:restriction base="xs:float">
            <xs:minInclusive value="0"/>
            <xs:maxInclusive value="283"/>
        </xs:restriction>
    </xs:simpleType>
</xs:element>
<xs:element name="maxDeltaC">
    <xs:annotation>
        <xs:documentation xml:lang="eng">The maximum allowed deltaL (color cast) value for a single
patch. Measured on greyscale patches</xs:documentation>
    </xs:annotation>
    <xs:simpleType>
        <xs:restriction base="xs:float">
            <xs:minInclusive value="0"/>
            <xs:maxInclusive value="283"/>
        </xs:restriction>
    </xs:simpleType>
</xs:element>
<xs:element name="maxIlluminationUniformityA1">
    <xs:annotation>
        <xs:documentation xml:lang="eng">Maximum allowed illumination difference between the center
and the corners. For A1 or larger formats</xs:documentation>
    </xs:annotation>
    <xs:simpleType>
        <xs:restriction base="xs:float">
            <xs:minInclusive value="0"/>
            <xs:maxInclusive value="200"/>
        </xs:restriction>
    </xs:simpleType>
</xs:element>
<xs:element name="maxIlluminationUniformityA2">
    <xs:annotation>
        <xs:documentation xml:lang="eng">Maximum allowed illumination difference between the center
and the corners. For A2</xs:documentation>
    </xs:annotation>
    <xs:simpleType>
        <xs:restriction base="xs:float">
            <xs:minInclusive value="0"/>
            <xs:maxInclusive value="200"/>
        </xs:restriction>
    </xs:simpleType>
</xs:element>
<xs:element name="maxIlluminationUniformityA3">
    <xs:annotation>
        <xs:documentation xml:lang="eng">Maximum allowed illumination difference between the center
and the corners. For A3 or smaller formats</xs:documentation>
    </xs:annotation>
    <xs:simpleType>
        <xs:restriction base="xs:float">
            <xs:minInclusive value="0"/>
            <xs:maxInclusive value="200"/>
        </xs:restriction>
    </xs:simpleType>
</xs:element>
<xs:element name="resolution">
    <xs:annotation>
        <xs:documentation xml:lang="eng">The lowest allowed resolution of the image. The resolution
must be computed, the nominal resolution of the equipment is not allowed.</xs:documentation>
    </xs:annotation>
    <xs:simpleType>
        <xs:restriction base="xs:short">
            <xs:minInclusive value="0"/>
        </xs:restriction>
    </xs:simpleType>
</xs:element>
<xs:element minOccurs="0" name="opticalResolution">
    <xs:annotation>
        <xs:documentation xml:lang="eng">Meaurement of the sharpness. Details to be decided, not yet
included in the quality levels.</xs:documentation>
    </xs:annotation>
    <xs:simpleType>
        <xs:restriction base="xs:float">
            <xs:minInclusive value="0"/>
        </xs:restriction>
    </xs:simpleType>
</xs:element>
<xs:element name="minGainModulationL95L90">
    <xs:annotation>

```

```

        <xs:documentation xml:lang="eng">Minimum allowed gain modulation (tonseparation) for this
range. This is a composite entry for L*95-L*90 and L*90-L*85. The two metrics are not intended to
be used at the same time.</xs:documentation>
    </xs:annotation>
    <xs:simpleType>
        <xs:restriction base="xs:float">
            <xs:minInclusive value="0"/>
        </xs:restriction>
    </xs:simpleType>
</xs:element>
<xs:element name="maxGainModulationL95L90">
    <xs:annotation>
        <xs:documentation xml:lang="eng">Maximum allowed gain modulation (tonseparation) for this
range. This is a composite entry for L*95-L*90 and L*90-L*85. The two metrics are not intended to
be used at the same time.</xs:documentation>
    </xs:annotation>
    <xs:simpleType>
        <xs:restriction base="xs:float">
            <xs:minInclusive value="0"/>
        </xs:restriction>
    </xs:simpleType>
</xs:element>
<xs:element name="minGainModulationL95L80">
    <xs:annotation>
        <xs:documentation xml:lang="eng">Minimum allowed gain modulation (tonseparation) for this
range. This is a composite entry for the following ranges: L*95-L*85, L*95-L*80, L*90-L*80. Only a
single metrics is intened to be used at a measurement time.</xs:documentation>
    </xs:annotation>
    <xs:simpleType>
        <xs:restriction base="xs:float">
            <xs:minInclusive value="0"/>
        </xs:restriction>
    </xs:simpleType>
</xs:element>
<xs:element name="maxGainModulationL95L80">
    <xs:annotation>
        <xs:documentation xml:lang="eng">Maximum allowed gain modulation (tonseparation) for this
range. This is a composite entry for the following ranges: L*95-L*85, L*95-L*80, L*90-L*80. Only a
single metrics is intened to be used at a measurement time.</xs:documentation>
    </xs:annotation>
    <xs:simpleType>
        <xs:restriction base="xs:float">
            <xs:minInclusive value="0"/>
        </xs:restriction>
    </xs:simpleType>
</xs:element>
<xs:element name="minGainModulationL85L20">
    <xs:annotation>
        <xs:documentation xml:lang="eng">Minimum allowed gain modulation (tonseparation) for this
range.</xs:documentation>
    </xs:annotation>
    <xs:simpleType>
        <xs:restriction base="xs:float">
            <xs:minInclusive value="0"/>
        </xs:restriction>
    </xs:simpleType>
</xs:element>
<xs:element name="maxGainModulationL85L20">
    <xs:annotation>
        <xs:documentation xml:lang="eng">Maximum allowed gain modulation (tonseparation) for this
range.</xs:documentation>
    </xs:annotation>
    <xs:simpleType>
        <xs:restriction base="xs:float">
            <xs:minInclusive value="0"/>
        </xs:restriction>
    </xs:simpleType>
</xs:element>
<xs:element name="minGainModulationL85L10">
    <xs:annotation>
        <xs:documentation xml:lang="eng">Minimum allowed gain modulation (tonseparation) for this
range.</xs:documentation>
    </xs:annotation>
    <xs:simpleType>
        <xs:restriction base="xs:float">
            <xs:minInclusive value="0"/>
        </xs:restriction>
    </xs:simpleType>
</xs:element>
<xs:element name="maxGainModulationL85L10">
    <xs:annotation>
        <xs:documentation xml:lang="eng">Maximum allowed gain modulation (tonseparation) for this
range.</xs:documentation>
    </xs:annotation>

```

```

</xs:annotation>
<xs:simpleType>
  <xs:restriction base="xs:float">
    <xs:minInclusive value="0"/>
  </xs:restriction>
</xs:simpleType>
</xs:element>
</xs:sequence>
<xs:attribute name="qualityLevelName" use="required">
  <xs:annotation>
    <xs:documentation xml:lang="eng">The name of the qualityLevel. Allowed characters: a-z, A-Z,
0-9 and ._%+</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:string">
      <xs:pattern value="[a-zA-Z0-9._%+]" />
    </xs:restriction>
  </xs:simpleType>
</xs:attribute>
</xs:complexType>

```

## Complex Type tns:targetDataType

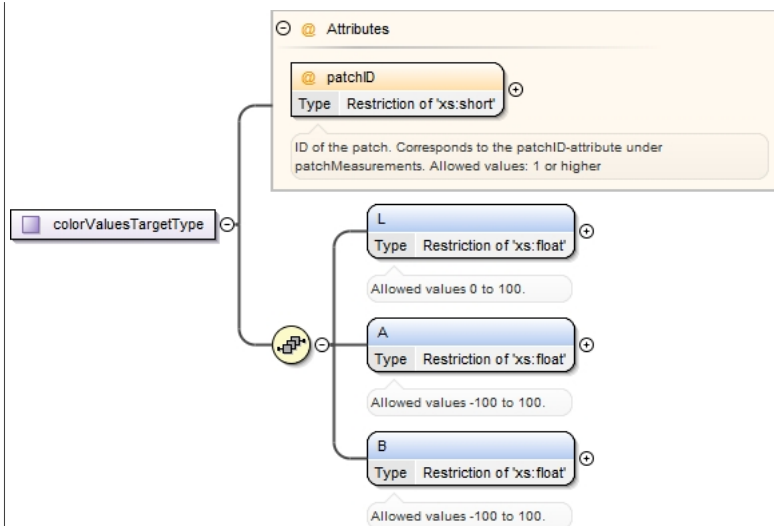
|            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                             |          |  |
|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------|----------|--|
| Namespace  | kb.se/ns/image_capture_performance                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                             |          |  |
| Diagram    | <div><div><div><div><div>Attributes</div><div><div><div>nameOfTarget</div><div>Type    Restriction of 'xs:string'</div></div><div>Must exist a nameOfTarget element with the same contents under generalInformation. Allowed characters: a-z, A-Z, 0-9...</div></div><div><div><div>dateOfMeasurement</div><div>Type    xs:date</div></div><div>Date when the target's real-world color values was measured</div></div></div></div><div><div><div>targetModel</div><div>Type    Restriction of 'xs:string'</div><div>Model of the physical target, e.g. Colorchecker SG. Allowed characters: a-z, A-Z, 0-9 and ._%+-</div></div><div><div><div>targetDescription</div><div>Type    xs:string</div><div>Free-text element mainly used to describe a non-standard target, i.e. a home-made target for resolution measurements.</div></div><div><div><div>numberOfPatches</div><div>Type    Restriction of 'xs:short'</div><div>The number of patches that is used for the measurements. Not necessary equal to the number of patches on the target....</div></div><div><div><div>daysSinceTargetMeasurement</div><div>Type    Restriction of 'xs:short'</div><div>The number of days since the real-world target was measured</div></div><div><div><div>0..∞</div><div><div>colorValues</div><div>Type    tns:colorValuesTargetType</div></div><div>The color values of the patches. At least twelve patches must be specified (six color patches and six grayscale) for...</div></div></div></div></div></div></div></div></div> |                                                             |          |  |
| Used by    | Element                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | tns:qualityDataType/tns:targetData                          |          |  |
| Model      | tns:targetModel , tns:targetDescription{0,1} , tns:numberOfPatches , tns:daysSinceTargetMeasurement , tns:colorValues*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                             |          |  |
| Children   | tns:colorValues, tns:daysSinceTargetMeasurement, tns:numberOfPatches, tns:targetDescription, tns:targetModel                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                             |          |  |
| Attributes | QName                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Type                                                        | Use      |  |
|            | dateOfMeasurement                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | xs:date                                                     | optional |  |
|            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Date when the target's real-world color values was measured |          |  |
|            | nameOfTarget                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | restriction of xs:string                                    | required |  |
|            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Must exist a nameOfTarget element with the same contents    |          |  |

| QName  | Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Use |
|--------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|
|        | under generalInformation. Allowed characters: a-z, A-Z, 0-9 and ._%+-                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |     |
| Source | <pre> &lt;xs:complexType name="targetDataType"&gt;   &lt;xs:sequence&gt;     &lt;xs:element name="targetModel"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;Model of the physical target, e.g. Colorchecker SG. Allowed characters: a- z, A-Z, 0-9 and ._%+-&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;       &lt;xs:simpleType&gt;         &lt;xs:restriction base="xs:string"&gt;           &lt;xs:pattern value="[a-zA-Z0-9._%+-]+"\&gt;/&gt;         &lt;/xs:restriction&gt;       &lt;/xs:simpleType&gt;     &lt;/xs:element&gt;     &lt;xs:element name="targetDescription" minOccurs="0" type="xs:string"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation xml:lang="eng"&gt;Free-text element mainly used to describe a non-standard target, i.e. a home-made target for resolution measurements.&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:element&gt;     &lt;xs:element name="numberOfPatches"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation xml:lang="eng"&gt;The number of patches that is used for the measurements. Not necessary equal to the number of patches on the target. Set to twelve or higher (for Digidaily), six color patches and six grayscale patches&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;       &lt;xs:simpleType&gt;         &lt;xs:restriction base="xs:short"&gt;           &lt;xs:minInclusive value="0"/&gt;         &lt;/xs:restriction&gt;       &lt;/xs:simpleType&gt;     &lt;/xs:element&gt;     &lt;xs:element name="daysSinceTargetMeasurement"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation xml:lang="eng"&gt;The number of days since the real-world target was measured&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;       &lt;xs:simpleType&gt;         &lt;xs:restriction base="xs:short"&gt;           &lt;xs:minInclusive value="0"/&gt;         &lt;/xs:restriction&gt;       &lt;/xs:simpleType&gt;     &lt;/xs:element&gt;     &lt;xs:element maxOccurs="unbounded" minOccurs="0" name="colorValues" type="tns:colorValuesTargetType"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation xml:lang="eng"&gt;The color values of the patches. At least twelve patches must be specified (six color patches and six grayscale) for exposure and color accuracy targets.&lt;/ xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:element&gt;   &lt;/xs:sequence&gt;   &lt;xs:attribute name="nameOfTarget" use="required"&gt;     &lt;xs:annotation&gt;       &lt;xs:documentation xml:lang="eng"&gt;Must exist a nameOfTarget element with the same contents under generalInformation. Allowed characters: a-z, A-Z, 0-9 and ._%+-&lt;/xs:documentation&gt;     &lt;/xs:annotation&gt;     &lt;xs:simpleType&gt;       &lt;xs:restriction base="xs:string"&gt;         &lt;xs:pattern value="[a-zA-Z0-9._%+-]+"\&gt;/&gt;       &lt;/xs:restriction&gt;     &lt;/xs:simpleType&gt;   &lt;/xs:attribute&gt;   &lt;xs:attribute name="dateOfMeasurement" type="xs:date"&gt;     &lt;xs:annotation&gt;       &lt;xs:documentation xml:lang="eng"&gt;Date when the target's real-world color values was measured&lt;/ xs:documentation&gt;     &lt;/xs:annotation&gt;   &lt;/xs:attribute&gt; &lt;/xs:complexType&gt; </pre> |     |

## Complex Type tns:colorValuesTargetType

|           |                                    |
|-----------|------------------------------------|
| Namespace | kb.se/ns/image_capture_performance |
|-----------|------------------------------------|

## Diagram



Used by Element `tns:targetDataType/tns:colorValues`

Model `tns:L` , `tns:A` , `tns:B`

Children `tns:A`, `tns:B`, `tns:L`

| Attributes | QName          | Type                                                                                                       | Use      |  |
|------------|----------------|------------------------------------------------------------------------------------------------------------|----------|--|
|            | <b>patchID</b> | restriction of xs:short                                                                                    | required |  |
|            |                | ID of the patch. Corresponds to the patchID-attribute under patchMeasurements. Allowed values: 1 or higher |          |  |

Source

```

<xs:complexType name="colorValuesTargetType">
  <xs:sequence>
    <xs:element name="L" minOccurs="1">
      <xs:annotation>
        <xs:documentation xml:lang="eng">Allowed values 0 to 100.</xs:documentation>
      </xs:annotation>
      <xs:simpleType>
        <xs:restriction base="xs:float">
          <xs:minInclusive value="0"/>
          <xs:maxInclusive value="100"/>
        </xs:restriction>
      </xs:simpleType>
    </xs:element>
    <xs:element name="A" minOccurs="1">
      <xs:annotation>
        <xs:documentation xml:lang="eng">Allowed values -100 to 100.</xs:documentation>
      </xs:annotation>
      <xs:simpleType>
        <xs:restriction base="xs:float">
          <xs:minInclusive value="-100"/>
          <xs:maxInclusive value="100"/>
        </xs:restriction>
      </xs:simpleType>
    </xs:element>
    <xs:element name="B" minOccurs="1">
      <xs:annotation>
        <xs:documentation xml:lang="eng">Allowed values -100 to 100.</xs:documentation>
      </xs:annotation>
      <xs:simpleType>
        <xs:restriction base="xs:float">
          <xs:minInclusive value="-100"/>
          <xs:maxInclusive value="100"/>
        </xs:restriction>
      </xs:simpleType>
    </xs:element>
  </xs:sequence>
  <xs:attribute name="patchID" use="required">
    <xs:annotation>
      <xs:documentation xml:lang="eng">ID of the patch. Corresponds to the patchID-attribute under patchMeasurements. Allowed values: 1 or higher</xs:documentation>
    </xs:annotation>
    <xs:simpleType>
      <xs:restriction base="xs:short">
        <xs:minInclusive value="1"/>
      </xs:restriction>
    </xs:simpleType>
  </xs:attribute>
</xs:complexType>

```

```
</xs:attribute>
</xs:complexType>
```

## Complex Type tns:selectionBatchDataType

|            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                          |          |  |
|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|----------|--|
| Namespace  | kb.se/ns/image_capture_performance                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                          |          |  |
| Diagram    | <pre>graph LR     subgraph selectionBatchDataType [selectionBatchDataType]         direction TB         subgraph Attributes             direction TB             selectionBatchID["@ selectionBatchID<br/>Type xs:int"]             selectionBatchIDDoc["The ID for the selection batch that contains the batchID"]         end         batchID["batchID<br/>Type xs:string"]         batchIDDoc["The id for the batch that the issue belongs to. OBS. Vilken datatyp ska det vara?"]     end</pre>                                                                                                                                                                                                   |                                                          |          |  |
| Used by    | Element                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | tns:qualityDataType/tns:selectionBatchData               |          |  |
| Model      | tns:batchID                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                          |          |  |
| Children   | tns:batchID                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                          |          |  |
| Attributes | QName                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Type                                                     | Use      |  |
|            | selectionBatchID                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | xs:int                                                   | optional |  |
|            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | The ID for the selection batch that contains the batchID |          |  |
| Source     | <pre>&lt;xs:complexType name="selectionBatchDataType"&gt;   &lt;xs:sequence&gt;     &lt;xs:element name="batchID" type="xs:string"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation xml:lang="eng"&gt;The id for the batch that the issue belongs to. OBS. Vilken           datatyp ska det vara?&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:element&gt;   &lt;/xs:sequence&gt;   &lt;xs:attribute name="selectionBatchID" type="xs:int"&gt;     &lt;xs:annotation&gt;       &lt;xs:documentation xml:lang="eng"&gt;The ID for the selection batch that contains the batchID&lt;/     &lt;/xs:annotation&gt;   &lt;/xs:attribute&gt; &lt;/xs:complexType&gt;</pre> |                                                          |          |  |

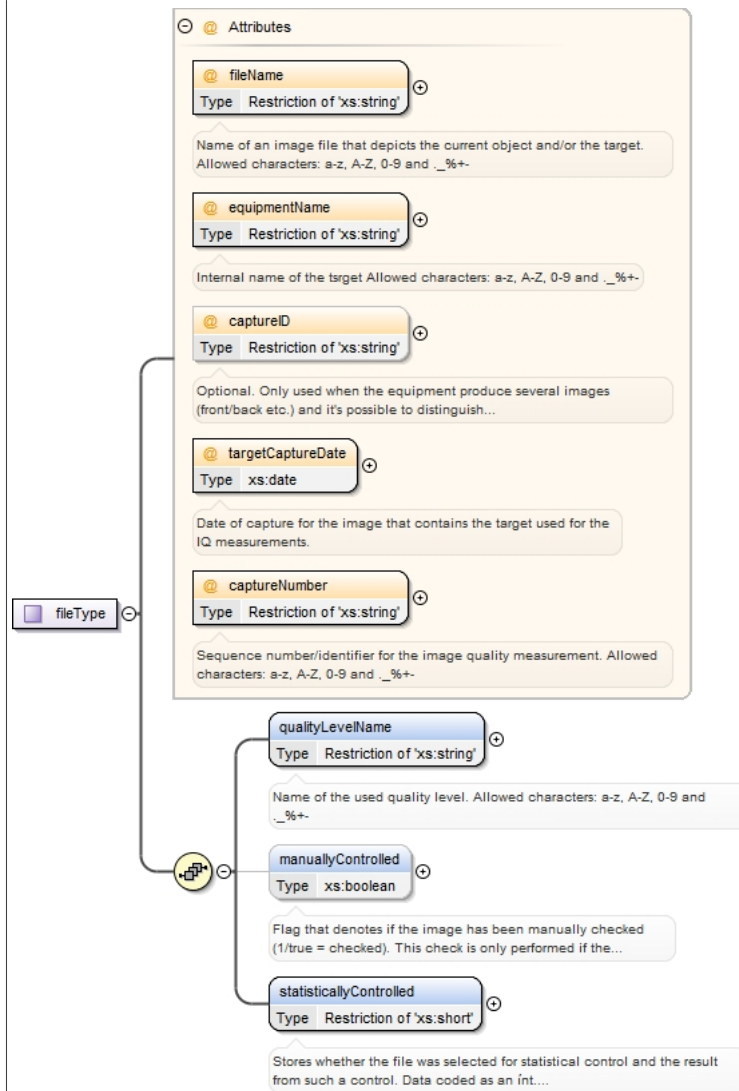
## Complex Type tns:fileListType

|           |                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                              |  |
|-----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|--|
| Namespace | kb.se/ns/image_capture_performance                                                                                                                                                                                                                                                                                                                                                                                                   |                                              |  |
| Diagram   | <pre>graph LR     fileListType[fileListType] -- "0..∞" --&gt; file[file]     file --&gt; tnsFileType[tns:fileType]     fileListType -.-&gt; doc[Images files for which the included IQ data is valid]</pre>                                                                                                                                                                                                                          |                                              |  |
| Used by   | Element                                                                                                                                                                                                                                                                                                                                                                                                                              | tns:imageQualityControlDataType/tns:fileList |  |
| Model     | tns:file*                                                                                                                                                                                                                                                                                                                                                                                                                            |                                              |  |
| Children  | tns:file                                                                                                                                                                                                                                                                                                                                                                                                                             |                                              |  |
| Source    | <pre>&lt;xs:complexType name="fileListType"&gt;   &lt;xs:sequence&gt;     &lt;xs:element type="tns:fileType" name="file" maxOccurs="unbounded" minOccurs="0"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation xml:lang="eng"&gt;Images files for which the included IQ data is valid&lt;/ xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:element&gt;   &lt;/xs:sequence&gt; &lt;/xs:complexType&gt;</pre> |                                              |  |

## Complex Type tns:fileType

|           |                                    |  |  |  |
|-----------|------------------------------------|--|--|--|
| Namespace | kb.se/ns/image_capture_performance |  |  |  |
|-----------|------------------------------------|--|--|--|

## Diagram



|            |                                                                                  |                                                                                                                                                                                                                                               |            |
|------------|----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| Used by    | Element tns:fileListType/tns:file                                                |                                                                                                                                                                                                                                               |            |
| Model      | tns:qualityLevelName , tns:manuallyControlled{0,1} , tns:statisticallyControlled |                                                                                                                                                                                                                                               |            |
| Children   | tns:manuallyControlled, tns:qualityLevelName, tns:statisticallyControlled        |                                                                                                                                                                                                                                               |            |
| Attributes | <b>QName</b>                                                                     | <b>Type</b>                                                                                                                                                                                                                                   | <b>Use</b> |
|            | <b>captureID</b>                                                                 | restriction of xs:string                                                                                                                                                                                                                      | optional   |
|            |                                                                                  | Optional. Only used when the equipment produce several images (front/back etc.) and it's possible to distinguish between them. Corresponds to the attributes with the same name under captureData Allowed characters: a-z, A-Z, 0-9 and ._%+~ |            |
|            | <b>captureNumber</b>                                                             | restriction of xs:string                                                                                                                                                                                                                      | required   |
|            |                                                                                  | Sequence number/identifier for the image quality measurement. Allowed characters: a-z, A-Z, 0-9 and ._%+~                                                                                                                                     |            |
|            | <b>equipmentName</b>                                                             | restriction of xs:string                                                                                                                                                                                                                      | required   |
|            |                                                                                  | Internal name of the target Allowed characters: a-z, A-Z, 0-9 and ._%+~                                                                                                                                                                       |            |
|            | <b>fileName</b>                                                                  | restriction of xs:string                                                                                                                                                                                                                      | required   |
|            |                                                                                  | Name of an image file that depicts the current object and/or the target. Allowed characters: a-z, A-Z, 0-9 and ._%+~                                                                                                                          |            |
|            | <b>targetCaptureDate</b>                                                         | xs:date                                                                                                                                                                                                                                       | required   |
|            |                                                                                  | Date of capture for the image that contains the target used for the IQ measurements.                                                                                                                                                          |            |

Source

```

<xs:complexType name="fileType">
  <xs:sequence>
    <xs:element name="qualityLevelName">
      <xs:annotation>
        <xs:documentation xml:lang="eng">Name of the used quality level. Allowed characters: a-z, A-Z, 0-9 and ._%+</xs:documentation>
      </xs:annotation>
      <xs:simpleType>
        <xs:restriction base="xs:string">
          <xs:pattern value="[a-zA-Z0-9._%+]" />
        </xs:restriction>
      </xs:simpleType>
    </xs:element>
    <xs:element minOccurs="0" name="manuallyControlled" type="xs:boolean">
      <xs:annotation>
        <xs:documentation xml:lang="eng">Flag that denotes if the image has been manually checked (1/true = checked). This check is only performed if the selection batch fails the statistical IQ-control.</xs:documentation>
      </xs:annotation>
    </xs:element>
    <xs:element name="statisticallyControlled">
      <xs:annotation>
        <xs:documentation xml:lang="eng">Stores whether the file was selected for statistical control and the result from such a control. Data coded as an int. Possible to extend the codes if necessary. -1 = not selected 0 = selected, failed the control 1 = selected, passed the control.</xs:documentation>
      </xs:annotation>
      <xs:simpleType>
        <xs:restriction base="xs:short">
          <xs:enumeration value="-1" />
          <xs:enumeration value="1" />
          <xs:enumeration value="0" />
        </xs:restriction>
      </xs:simpleType>
    </xs:element>
  </xs:sequence>
  <xs:attribute name="fileName" use="required">
    <xs:annotation>
      <xs:documentation xml:lang="eng">Name of an image file that depicts the current object and/or the target. Allowed characters: a-z, A-Z, 0-9 and ._%+</xs:documentation>
    </xs:annotation>
    <xs:simpleType>
      <xs:restriction base="xs:string">
        <xs:pattern value="[a-zA-Z0-9._%+]" />
      </xs:restriction>
    </xs:simpleType>
  </xs:attribute>
  <xs:attribute name="equipmentName" use="required">
    <xs:annotation>
      <xs:documentation xml:lang="eng">Internal name of the tsrget Allowed characters: a-z, A-Z, 0-9 and ._%+</xs:documentation>
    </xs:annotation>
    <xs:simpleType>
      <xs:restriction base="xs:string">
        <xs:pattern value="[a-zA-Z0-9._%+]" />
      </xs:restriction>
    </xs:simpleType>
  </xs:attribute>
  <xs:attribute name="captureID">
    <xs:annotation>
      <xs:documentation xml:lang="eng">Optional. Only used when the equipment produce several images (front/back etc.) and it's possible to distinguish between them. Corresponds to the attributes with the same name under captureData Allowed characters: a-z, A-Z, 0-9 and ._%+</xs:documentation>
    </xs:annotation>
    <xs:simpleType>
      <xs:restriction base="xs:string">
        <xs:pattern value="[a-zA-Z0-9._%+]" />
      </xs:restriction>
    </xs:simpleType>
  </xs:attribute>
  <xs:attribute type="xs:date" name="targetCaptureDate" use="required">
    <xs:annotation>
      <xs:documentation xml:lang="eng">Date of capture for the image that contains the target used for the IQ measurements.</xs:documentation>
    </xs:annotation>
  </xs:attribute>
  <xs:attribute form="unqualified" name="captureNumber" use="required">
    <xs:annotation>
      <xs:documentation xml:lang="eng">Sequence number/identifier for the image quality measurement. Allowed characters: a-z, A-Z, 0-9 and ._%+</xs:documentation>
    </xs:annotation>
    <xs:simpleType>

```

```

<xs:restriction base="xs:string">
  <xs:pattern value="[a-zA-Z0-9._%+-]+" />
</xs:restriction>
</xs:simpleType>
</xs:attribute>
</xs:complexType>

```

## Complex Type tns:manuallyControlledFileType

|           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|-----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace | kb.se/ns/image_capture_performance                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Diagram   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Model     | tns:fileName*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Children  | tns:fileName                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Source    | <pre> &lt;xs:complexType name="manuallyControlledFileType"&gt;   &lt;xs:sequence&gt;     &lt;xs:element maxOccurs="unbounded" minOccurs="0" name="fileName"&gt;       &lt;xs:complexType&gt;         &lt;xs:simpleContent&gt;           &lt;xs:extension base="xs:string"&gt;             &lt;xs:attribute name="result" type="xs:boolean" form="unqualified" use="required" /&gt;           &lt;/xs:extension&gt;         &lt;/xs:simpleContent&gt;       &lt;/xs:complexType&gt;     &lt;/xs:element&gt;   &lt;/xs:sequence&gt; &lt;/xs:complexType&gt; </pre> |

## Simple Type(s)

### Simple Type tns:illuminationUniformityValueType

|              |                                                                                                                                                                                                                                                       |              |     |              |   |
|--------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|-----|--------------|---|
| Namespace    | kb.se/ns/image_capture_performance                                                                                                                                                                                                                    |              |     |              |   |
| Diagram      |                                                                                                                                                                                                                                                       |              |     |              |   |
| Type         | restriction of xs:float                                                                                                                                                                                                                               |              |     |              |   |
| Facets       | <table> <tr> <td>maxInclusive</td><td>200</td></tr> <tr> <td>minInclusive</td><td>0</td></tr> </table>                                                                                                                                                | maxInclusive | 200 | minInclusive | 0 |
| maxInclusive | 200                                                                                                                                                                                                                                                   |              |     |              |   |
| minInclusive | 0                                                                                                                                                                                                                                                     |              |     |              |   |
| Used by      | Element tns:illuminationUniformityType/tns:illuminationUniformityValue                                                                                                                                                                                |              |     |              |   |
| Source       | <pre> &lt;xs:simpleType name="illuminationUniformityValueType"&gt;   &lt;xs:restriction base="xs:float"&gt;     &lt;xs:minInclusive value="0" /&gt;     &lt;xs:maxInclusive value="200" /&gt;   &lt;/xs:restriction&gt; &lt;/xs:simpleType&gt; </pre> |              |     |              |   |

### Simple Type tns:resultStringType

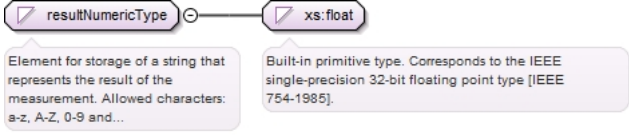
|             |                                                                                                                                                                                                                                                                    |
|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace   | kb.se/ns/image_capture_performance                                                                                                                                                                                                                                 |
| Annotations | Element for storage of a numeric value from the measurement                                                                                                                                                                                                        |
| Diagram     |                                                                                                                                                                                                                                                                    |
| Type        | restriction of xs:string                                                                                                                                                                                                                                           |
| Facets      | pattern [a-zA-Z0-9._%+- ]+                                                                                                                                                                                                                                         |
| Used by     | Element tns:periodicMeasurement/tns:resultString                                                                                                                                                                                                                   |
| Source      | <pre> &lt;xs:simpleType name="resultStringType"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation xml:lang="eng"&gt;Element for storage of a numeric value from the measurement&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:simpleType&gt; </pre> |

```

</xs:annotation>
<xs:restriction base="xs:string">
  <xs:pattern value="[a-zA-Z0-9._%+~]" />
</xs:restriction>
</xs:simpleType>

```

## Simple Type tns:resultNumericType

|             |                                                                                                                                                                                                                                                                                                                                                                               |
|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace   | kb.se/ns/image_capture_performance                                                                                                                                                                                                                                                                                                                                            |
| Annotations | Element for storage of a string that represents the result of the measurement. Allowed characters: a-z, A-Z, 0-9 and ._%+-                                                                                                                                                                                                                                                    |
| Diagram     |                                                                                                                                                                                                                                                                                              |
| Type        | xs:float                                                                                                                                                                                                                                                                                                                                                                      |
| Used by     | Element tns:periodicMeasurement/tns:resultNumeric                                                                                                                                                                                                                                                                                                                             |
| Source      | <pre> &lt;xs:simpleType name="resultNumericType"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation xml:lang="eng"&gt;Element for storage of a string that represents the result of the measurement. Allowed characters: a-z, A-Z, 0-9 and ._%+-&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:restriction base="xs:float" /&gt; &lt;/xs:simpleType&gt; </pre> |

Namespace: ""

## Attribute(s)

### Attribute tns:capturedTargetType / tns:center / @patchID

|             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace   | No namespace                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Annotations | ID of the current patch. Matched against the ID of the real-world patch, as found in the corresponding attribute under targetData/colorValues. Allowed values: 1 or higher                                                                                                                                                                                                                                                                                                                                                                              |
| Type        | restriction of xs:short                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Properties  | use: required                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Facets      | minInclusive 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Used by     | Element tns:capturedTargetType/tns:center                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Source      | <pre> &lt;xs:attribute name="patchID" use="required"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation xml:lang="eng"&gt;ID of the current patch. Matched against the ID of the real-world patch, as found in the corresponding attribute under targetData/colorValues. Allowed values: 1 or higher&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:simpleType&gt;     &lt;xs:restriction base="xs:short"&gt;       &lt;xs:minInclusive value="1" /&gt;     &lt;/xs:restriction&gt;   &lt;/xs:simpleType&gt; &lt;/xs:attribute&gt; </pre> |

### Attribute tns:capturedTargetType / @nameOfTarget

|             |                                                                                                                                |
|-------------|--------------------------------------------------------------------------------------------------------------------------------|
| Namespace   | No namespace                                                                                                                   |
| Annotations | Must exist a nameOfTarget element with the same contents under generalInformation. Allowed characters: a-z, A-Z, 0-9 and ._%+- |
| Type        | restriction of xs:string                                                                                                       |
| Properties  | use: required                                                                                                                  |
| Facets      | pattern [a-zA-Z0-9._%+~]+                                                                                                      |
| Used by     | Complex Type tns:capturedTargetType                                                                                            |
| Source      | <pre> &lt;xs:attribute name="nameOfTarget" use="required"&gt; </pre>                                                           |

```

<xs:annotation>
  <xs:documentation xml:lang="eng">Must exist a nameOfTarget element with the same contents under
  generalInformation. Allowed characters: a-z, A-Z, 0-9 and ._%+-</xs:documentation>
</xs:annotation>
<xs:simpleType>
  <xs:restriction base="xs:string">
    <xs:pattern value="[a-zA-Z0-9._%+-]+"\>
  </xs:restriction>
</xs:simpleType>
</xs:attribute>

```

### Attribute tns:capturedTargetType / @dateOfPhysicalMeasurement

|             |                                                                                                                                                                                                                                                                                             |
|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace   | No namespace                                                                                                                                                                                                                                                                                |
| Annotations | Date when the target's real-world color values was measured                                                                                                                                                                                                                                 |
| Type        | xs:date                                                                                                                                                                                                                                                                                     |
| Properties  | content: simple                                                                                                                                                                                                                                                                             |
| Used by     | Complex Type tns:capturedTargetType                                                                                                                                                                                                                                                         |
| Source      | <pre> &lt;xs:attribute name="dateOfPhysicalMeasurement" type="xs:date"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation xml:lang="eng"&gt;Date when the target's real-world color values was measured&lt;/   xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:attribute&gt; </pre> |

### Attribute tns:patchType / @patchID

|             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace   | No namespace                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Annotations | ID of the current patch. Matched against the ID of the real-world patch, as found in the corresponding attribute under targetData/colorValues. Allowed values: 1 or higher                                                                                                                                                                                                                                                                                                                                                                                      |
| Type        | restriction of xs:short                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Properties  | use: required                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Facets      | minInclusive 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Used by     | Complex Type tns:patchType                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Source      | <pre> &lt;xs:attribute name="patchID" use="required"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation xml:lang="eng"&gt;ID of the current patch. Matched against the ID of the real-     world patch, as found in the corresponding attribute under targetData/colorValues. Allowed values: 1     or higher&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:simpleType&gt;     &lt;xs:restriction base="xs:short"&gt;       &lt;xs:minInclusive value="1"/&gt;     &lt;/xs:restriction&gt;   &lt;/xs:simpleType&gt; &lt;/xs:attribute&gt; </pre> |

### Attribute tns:L95-L80Type / @measuredSeparation

|             |                                                                                                                                                                                                                                                                                                                                                                                            |
|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace   | No namespace                                                                                                                                                                                                                                                                                                                                                                               |
| Annotations | The actual interval/separation that was used for the measurement. L*95-L*80, L*95-L*80, or L*90-L*80 is the target, but the target patches might result in a slightly different interval.                                                                                                                                                                                                  |
| Used by     | Complex Type tns:L95-L80Type                                                                                                                                                                                                                                                                                                                                                               |
| Source      | <pre> &lt;xs:attribute name="measuredSeparation"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;The actual interval/separation that was used for the measurement. L*95-     L*80, L*95-L*80, or L*90-L*80 is the target, but the target patches might result in a slightly     different interval.&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:attribute&gt; </pre> |

### Attribute tns:L95-L90Type / @measuredSeparation

|           |              |
|-----------|--------------|
| Namespace | No namespace |
|-----------|--------------|

|             |                                                                                                                                                                                                                                                                                                                                                     |
|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Annotations | The actual interval/separation that was used for the measurement. L*95-L*90 or L*90-L*85 is the target, but the target patches might result in a slightly different interval.                                                                                                                                                                       |
| Used by     | Complex Type      tns:L95-L90Type                                                                                                                                                                                                                                                                                                                   |
| Source      | <pre>&lt;xs:attribute name="measuredSeparation"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;The actual interval/separation that was used for the measurement. L*95-L*90     or L*90-L*85 is the target, but the target patches might result in a slightly different interval.&lt;/   &lt;/xs:annotation&gt; &lt;/xs:attribute&gt;</pre> |

### Attribute tns:L85-L20Type / @measuredSeparation

|             |                                                                                                                                                                                                                                                                                                                                        |
|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace   | No namespace                                                                                                                                                                                                                                                                                                                           |
| Annotations | The actual interval/separation that was used for the measurement. L85-L*20 is the target, but the target patches might result in a slightly different interval.                                                                                                                                                                        |
| Used by     | Complex Type      tns:L85-L20Type                                                                                                                                                                                                                                                                                                      |
| Source      | <pre>&lt;xs:attribute name="measuredSeparation"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;The actual interval/separation that was used for the measurement. L85-     L*20 is the target, but the target patches might result in a slightly different interval.&lt;/   &lt;/xs:annotation&gt; &lt;/xs:attribute&gt;</pre> |

### Attribute tns:L85-L10Type / @measuredSeparation

|             |                                                                                                                                                                                                                                                                                                                                         |
|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace   | No namespace                                                                                                                                                                                                                                                                                                                            |
| Annotations | The actual interval/separation that was used for the measurement. L*85-L*10 is the target, but the target patches might result in a slightly different interval.                                                                                                                                                                        |
| Used by     | Complex Type      tns:L85-L10Type                                                                                                                                                                                                                                                                                                       |
| Source      | <pre>&lt;xs:attribute name="measuredSeparation"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;The actual interval/separation that was used for the measurement. L*85-     L*10 is the target, but the target patches might result in a slightly different interval.&lt;/   &lt;/xs:annotation&gt; &lt;/xs:attribute&gt;</pre> |

### Attribute tns:colorExposureMeasurementType / @nameOfTarget

|             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace   | No namespace                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Annotations | Must exist a nameOfTarget element with the same contents under generalInformation. Allowed characters: a-z, A-Z, 0-9 and ._%+-                                                                                                                                                                                                                                                                                                                                                                                                 |
| Type        | restriction of xs:string                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Properties  | use:      required                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Facets      | pattern      [a-zA-Z0-9._%+- ]+                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Used by     | Complex Type      tns:colorExposureMeasurementType                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Source      | <pre>&lt;xs:attribute name="nameOfTarget" use="required"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation xml:lang="eng"&gt;Must exist a nameOfTarget element with the same contents under     generalInformation. Allowed characters: a-z, A-Z, 0-9 and ._%+-&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:simpleType&gt;     &lt;xs:restriction base="xs:string"&gt;       &lt;xs:pattern value="[a-zA-Z0-9._%+- ]+"/&gt;     &lt;/xs:restriction&gt;   &lt;/xs:simpleType&gt; &lt;/xs:attribute&gt;</pre> |

### Attribute tns:illuminationUniformityType / tns:illuminationUniformityValue / @size

|           |                          |
|-----------|--------------------------|
| Namespace | No namespace             |
| Type      | restriction of xs:string |

|            |                                                                                                                                                                                                                                                                                                                                      |                                                                |
|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|
| Properties | use:                                                                                                                                                                                                                                                                                                                                 | required                                                       |
| Facets     | enumeration                                                                                                                                                                                                                                                                                                                          | A1                                                             |
|            | enumeration                                                                                                                                                                                                                                                                                                                          | A2                                                             |
|            | enumeration                                                                                                                                                                                                                                                                                                                          | A3                                                             |
| Used by    | Element                                                                                                                                                                                                                                                                                                                              | tns:illuminationUniformityType/tns:illuminationUniformityValue |
| Source     | <pre>&lt;xs:attribute name="size" use="required"&gt;   &lt;xs:simpleType&gt;     &lt;xs:restriction base="xs:string"&gt;       &lt;xs:enumeration value="A1"/&gt;       &lt;xs:enumeration value="A2"/&gt;       &lt;xs:enumeration value="A3"/&gt;     &lt;/xs:restriction&gt;   &lt;/xs:simpleType&gt; &lt;/xs:attribute&gt;</pre> |                                                                |

### Attribute tns:illuminationUniformityType / @nameOfTarget

|             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                |
|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|
| Namespace   | No namespace                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                |
| Annotations | Must exist a nameOfTarget element with the same contents under generalInformation. Allowed characters: a-z, A-Z, 0-9 and ._%+-                                                                                                                                                                                                                                                                                                                                                                                  |                                |
| Type        | restriction of xs:string                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                |
| Properties  | use:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | required                       |
| Facets      | pattern                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | [a-zA-Z0-9._%+- ]+             |
| Used by     | Complex Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | tns:illuminationUniformityType |
| Source      | <pre>&lt;xs:attribute name="nameOfTarget" use="required"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Must exist a nameOfTarget element with the same contents under     generalInformation. Allowed characters: a-z, A-Z, 0-9 and ._%+-&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:simpleType&gt;     &lt;xs:restriction base="xs:string"&gt;       &lt;xs:pattern value="[a-zA-Z0-9._%+- ]+"/&gt;     &lt;/xs:restriction&gt;   &lt;/xs:simpleType&gt; &lt;/xs:attribute&gt;</pre> |                                |

### Attribute tns:periodicMeasurement / @measurementType

|             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                         |
|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|
| Namespace   | No namespace                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                         |
| Annotations | Type of measurement, e.g. sharpness, stitching etc. Allowed characters: a-z, A-Z, 0-9 and ._%+-                                                                                                                                                                                                                                                                                                                                                                                                    |                         |
| Type        | restriction of xs:string                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                         |
| Properties  | use:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | required                |
| Facets      | pattern                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | [a-zA-Z0-9._%+- ]+      |
| Used by     | Complex Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | tns:periodicMeasurement |
| Source      | <pre>&lt;xs:attribute name="measurementType" use="required"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation xml:lang="eng"&gt;Type of measurement, e.g. sharpness, stitching etc. Allowed     characters: a-z, A-Z, 0-9 and ._%+-&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:simpleType&gt;     &lt;xs:restriction base="xs:string"&gt;       &lt;xs:pattern value="[a-zA-Z0-9._%+- ]+"/&gt;     &lt;/xs:restriction&gt;   &lt;/xs:simpleType&gt; &lt;/xs:attribute&gt;</pre> |                         |

### Attribute tns:periodicMeasurement / @nameOfTarget

|             |                                                                                                                                |  |
|-------------|--------------------------------------------------------------------------------------------------------------------------------|--|
| Namespace   | No namespace                                                                                                                   |  |
| Annotations | Must exist a nameOfTarget element with the same contents under generalInformation. Allowed characters: a-z, A-Z, 0-9 and ._%+- |  |
| Type        | restriction of xs:string                                                                                                       |  |

|            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Properties | use: required                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Facets     | pattern [a-zA-Z0-9._%+ - ]+                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Used by    | Complex Type tns:periodicMeasurement                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Source     | <pre>&lt;xs:attribute name="nameOfTarget" use="required"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Must exist a nameOfTarget element with the same contents under     generalInformation. Allowed characters: a-z, A-Z, 0-9 and ._%+ -&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:simpleType&gt;     &lt;xs:restriction base="xs:string"&gt;       &lt;xs:pattern value="[a-zA-Z0-9._%+ - ]+"/&gt;     &lt;/xs:restriction&gt;   &lt;/xs:simpleType&gt; &lt;/xs:attribute&gt;</pre> |

### Attribute tns:generalMeasurementsType / tns:resolution / @nameOfTarget

|           |                                                      |
|-----------|------------------------------------------------------|
| Namespace | No namespace                                         |
| Used by   | Element tns:generalMeasurementsType/tns:resolution   |
| Source    | <pre>&lt;xs:attribute name="nameOfTarget"/&gt;</pre> |

### Attribute tns:opticalResolutionType / @nameOfTarget

|             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace   | No namespace                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Annotations | Must exist a nameOfTarget element with the same contents under generalInformation. Allowed characters: a-z, A-Z, 0-9 and ._%+ -                                                                                                                                                                                                                                                                                                                                                                                   |
| Type        | restriction of xs:string                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Properties  | use: required                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Facets      | pattern [a-zA-Z0-9._%+ - ]+                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Used by     | Complex Type tns:opticalResolutionType                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Source      | <pre>&lt;xs:attribute name="nameOfTarget" use="required"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Must exist a nameOfTarget element with the same contents under     generalInformation. Allowed characters: a-z, A-Z, 0-9 and ._%+ -&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:simpleType&gt;     &lt;xs:restriction base="xs:string"&gt;       &lt;xs:pattern value="[a-zA-Z0-9._%+ - ]+"/&gt;     &lt;/xs:restriction&gt;   &lt;/xs:simpleType&gt; &lt;/xs:attribute&gt;</pre> |

### Attribute tns:patchNoiseType / @patchID

|            |                                                                                                                                                                                                                                                      |
|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace  | No namespace                                                                                                                                                                                                                                         |
| Type       | restriction of xs:short                                                                                                                                                                                                                              |
| Properties | use: required                                                                                                                                                                                                                                        |
| Facets     | minInclusive 1                                                                                                                                                                                                                                       |
| Used by    | Complex Type tns:patchNoiseType                                                                                                                                                                                                                      |
| Source     | <pre>&lt;xs:attribute name="patchID" use="required"&gt;   &lt;xs:simpleType&gt;     &lt;xs:restriction base="xs:short"&gt;       &lt;xs:minInclusive value="1"/&gt;     &lt;/xs:restriction&gt;   &lt;/xs:simpleType&gt; &lt;/xs:attribute&gt;</pre> |

### Attribute tns:noiseType / @nameOfTarget

|           |                                                      |
|-----------|------------------------------------------------------|
| Namespace | No namespace                                         |
| Used by   | Complex Type tns:noiseType                           |
| Source    | <pre>&lt;xs:attribute name="nameOfTarget"/&gt;</pre> |

**Attribute tns:imageDataType / @equipmentName**

|             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace   | No namespace                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Annotations | Internal name of the image capture equipment. Allowed characters: a-z, A-Z, 0-9 and ._%+-                                                                                                                                                                                                                                                                                                                                                                                                    |
| Type        | restriction of xs:string                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Properties  | use: required                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Facets      | pattern [a-zA-Z0-9._%+- ]+                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Used by     | Complex Type tns:imageDataType                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Source      | <pre> &lt;xs:attribute name="equipmentName" use="required"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation xml:lang="eng"&gt;Internal name of the image capture equipment. Allowed     characters: a-z, A-Z, 0-9 and ._%+-&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:simpleType&gt;     &lt;xs:restriction base="xs:string"&gt;       &lt;xs:pattern value="[a-zA-Z0-9._%+- ]+"/&gt;     &lt;/xs:restriction&gt;   &lt;/xs:simpleType&gt; &lt;/xs:attribute&gt; </pre> |

**Attribute tns:imageDataType / @captureDate**

|             |                                                                                                                                                                                                                                                                                                         |
|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace   | No namespace                                                                                                                                                                                                                                                                                            |
| Annotations | Date of capture for the image(s) used for image quality measurements.                                                                                                                                                                                                                                   |
| Type        | xs:date                                                                                                                                                                                                                                                                                                 |
| Properties  | use: required                                                                                                                                                                                                                                                                                           |
| Used by     | Complex Type tns:imageDataType                                                                                                                                                                                                                                                                          |
| Source      | <pre> &lt;xs:attribute name="captureDate" type="xs:date" use="required"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation xml:lang="eng"&gt;Date of capture for the image(s) used for image quality     measurements.&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:attribute&gt; </pre> |

**Attribute tns:imageDataType / @captureID**

|             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace   | No namespace                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Annotations | Identifier for the combination of equipment and an image that contains the target. Naming convension: front, back, left, right, middle, single etc. An identical attribute is used for the element captureEquipment. Allowed characters: a-z, A-Z, 0-9 and ._%+-                                                                                                                                                                                                                                                                                                                                                                                                         |
| Type        | restriction of xs:string                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Properties  | use: required                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Facets      | pattern [a-zA-Z0-9._%+- ]+                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Used by     | Complex Type tns:imageDataType                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Source      | <pre> &lt;xs:attribute name="captureID" use="required"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation xml:lang="eng"&gt;Identifier for the combination of equipment and an image that     contains the target. Naming convension: front, back, left, right, middle, single etc. An identical     attribute is used for the element captureEquipment. Allowed characters: a-z, A-Z, 0-9 and ._%+-&lt;/     xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:simpleType&gt;     &lt;xs:restriction base="xs:string"&gt;       &lt;xs:pattern value="[a-zA-Z0-9._%+- ]+"/&gt;     &lt;/xs:restriction&gt;   &lt;/xs:simpleType&gt; &lt;/xs:attribute&gt; </pre> |

**Attribute tns:imageDataType / @captureNumber**

|           |              |
|-----------|--------------|
| Namespace | No namespace |
|-----------|--------------|

|             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                    |
|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|
| Annotations | Sequence number/identifier for the image quality measurement. The number is specific for each equipment and it is reset daily. Included since we might want to perform several IQ measurements during a single day and we must be able to distinguish between them. Datatype is set to string to give the largest possible flexibility for the sequence numbering. Ordinary numbers are preferred. Allowed characters: a-z, A-Z, 0-9 and ._%+-                                                                                                                                                                                                                                                                                                                                                                                                |                    |
| Type        | restriction of xs:string                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                    |
| Properties  | use:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | required           |
| Facets      | pattern                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | [a-zA-Z0-9._%+- ]+ |
| Used by     | Complex Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | tns:imageDataType  |
| Source      | <pre> &lt;xs:attribute name="captureNumber" use="required"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation xml:lang="eng"&gt;Sequence number/identifier for the image quality measurement. The number is specific for each equipment and it is reset daily. Included since we might want to perform several IQ measurements during a single day and we must be able to distinguish between them. Datatype is set to string to give the largest possible flexibility for the sequence numbering. Ordinary numbers are preferred. Allowed characters: a-z, A-Z, 0-9 and ._%+-&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:simpleType&gt;     &lt;xs:restriction base="xs:string"&gt;       &lt;xs:pattern value="[a-zA-Z0-9._%+- ]+"/&gt;     &lt;/xs:restriction&gt;   &lt;/xs:simpleType&gt; &lt;/xs:attribute&gt; </pre> |                    |

### Attribute tns:qualityLevelType / @qualityLevelName

|             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                      |
|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
| Namespace   | No namespace                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                      |
| Annotations | The name of the qualityLevel. Allowed characters: a-z, A-Z, 0-9 and ._%+-                                                                                                                                                                                                                                                                                                                                                                                                   |                      |
| Type        | restriction of xs:string                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                      |
| Properties  | use:                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | required             |
| Facets      | pattern                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | [a-zA-Z0-9._%+- ]+   |
| Used by     | Complex Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                | tns:qualityLevelType |
| Source      | <pre> &lt;xs:attribute name="qualityLevelName" use="required"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation xml:lang="eng"&gt;The name of the qualityLevel. Allowed characters: a-z, A-Z, 0-9 and ._%+-&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:simpleType&gt;     &lt;xs:restriction base="xs:string"&gt;       &lt;xs:pattern value="[a-zA-Z0-9._%+- ]+"/&gt;     &lt;/xs:restriction&gt;   &lt;/xs:simpleType&gt; &lt;/xs:attribute&gt; </pre> |                      |

### Attribute tns:colorValuesTargetType / @patchID

|             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                           |
|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|
| Namespace   | No namespace                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                           |
| Annotations | ID of the patch. Corresponds to the patchID-attribute under patchMeasurements. Allowed values: 1 or higher                                                                                                                                                                                                                                                                                                                                                                             |                           |
| Type        | restriction of xs:short                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                           |
| Properties  | use:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | required                  |
| Facets      | minInclusive                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 1                         |
| Used by     | Complex Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | tns:colorValuesTargetType |
| Source      | <pre> &lt;xs:attribute name="patchID" use="required"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation xml:lang="eng"&gt;ID of the patch. Corresponds to the patchID-attribute under patchMeasurements. Allowed values: 1 or higher&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:simpleType&gt;     &lt;xs:restriction base="xs:short"&gt;       &lt;xs:minInclusive value="1"/&gt;     &lt;/xs:restriction&gt;   &lt;/xs:simpleType&gt; &lt;/xs:attribute&gt; </pre> |                           |

```

</xs:simpleType>
</xs:attribute>

```

### Attribute `tns:targetDataType` / `@nameOfTarget`

|             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace   | No namespace                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Annotations | Must exist a nameOfTarget element with the same contents under generalInformation. Allowed characters: a-z, A-Z, 0-9 and ._%+-                                                                                                                                                                                                                                                                                                                                                                                                   |
| Type        | restriction of xs:string                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Properties  | use: required                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Facets      | pattern [a-zA-Z0-9._%+-]+                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Used by     | Complex Type tns:targetDataType                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Source      | <pre> &lt;xs:attribute name="nameOfTarget" use="required"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation xml:lang="eng"&gt;Must exist a nameOfTarget element with the same contents under     generalInformation. Allowed characters: a-z, A-Z, 0-9 and ._%+-&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:simpleType&gt;     &lt;xs:restriction base="xs:string"&gt;       &lt;xs:pattern value="[a-zA-Z0-9._%+-]+" /&gt;     &lt;/xs:restriction&gt;   &lt;/xs:simpleType&gt; &lt;/xs:attribute&gt; </pre> |

### Attribute `tns:targetDataType` / `@dateOfMeasurement`

|             |                                                                                                                                                                                                                                                              |
|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace   | No namespace                                                                                                                                                                                                                                                 |
| Annotations | Date when the target's real-world color values was measured                                                                                                                                                                                                  |
| Type        | xs:date                                                                                                                                                                                                                                                      |
| Properties  | content: simple                                                                                                                                                                                                                                              |
| Used by     | Complex Type tns:targetDataType                                                                                                                                                                                                                              |
| Source      | <pre> &lt;xs:attribute name="dateOfMeasurement" type="xs:date"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation xml:lang="eng"&gt;Date when the target's real-world color values was measured&lt;/   &lt;/xs:annotation&gt; &lt;/xs:attribute&gt; </pre> |

### Attribute `tns:selectionBatchDataType` / `@selectionBatchID`

|             |                                                                                                                                                                                                                                                         |
|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace   | No namespace                                                                                                                                                                                                                                            |
| Annotations | The ID for the selection batch that contains the batchID                                                                                                                                                                                                |
| Type        | xs:int                                                                                                                                                                                                                                                  |
| Properties  | content: simple                                                                                                                                                                                                                                         |
| Used by     | Complex Type tns:selectionBatchDataType                                                                                                                                                                                                                 |
| Source      | <pre> &lt;xs:attribute name="selectionBatchID" type="xs:int"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation xml:lang="eng"&gt;The ID for the selection batch that contains the batchID&lt;/   &lt;/xs:annotation&gt; &lt;/xs:attribute&gt; </pre> |

### Attribute `tns:fileType` / `@fileName`

|             |                                                                                                                      |
|-------------|----------------------------------------------------------------------------------------------------------------------|
| Namespace   | No namespace                                                                                                         |
| Annotations | Name of an image file that depicts the current object and/or the target. Allowed characters: a-z, A-Z, 0-9 and ._%+- |
| Type        | restriction of xs:string                                                                                             |
| Properties  | use: required                                                                                                        |
| Facets      | pattern [a-zA-Z0-9._%+-]+                                                                                            |

|         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|---------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Used by | Complex Type      tns:fileType                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Source  | <pre> &lt;xs:attribute name="fileName" use="required"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation xml:lang="eng"&gt;Name of an image file that depicts the current object and/or the target. Allowed characters: a-z, A-Z, 0-9 and ._%+&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:simpleType&gt;     &lt;xs:restriction base="xs:string"&gt;       &lt;xs:pattern value="[a-zA-Z0-9._%+]" /&gt;     &lt;/xs:restriction&gt;   &lt;/xs:simpleType&gt; &lt;/xs:attribute&gt; </pre> |

### Attribute tns:fileType / @equipmentName

|             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |      |                          |            |                                    |        |                                                |         |                                |        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|--------------------------|------------|------------------------------------|--------|------------------------------------------------|---------|--------------------------------|--------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace   | No namespace                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |      |                          |            |                                    |        |                                                |         |                                |        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Annotations | Internal name of the tsrget Allowed characters: a-z, A-Z, 0-9 and ._%+</td></tr> <tr> <td>Type</td><td>restriction of xs:string</td></tr> <tr> <td>Properties</td><td>use:                      required</td></tr> <tr> <td>Facets</td><td>pattern                      [a-zA-Z0-9._%+ ]+</td></tr> <tr> <td>Used by</td><td>Complex Type      tns:fileType</td></tr> <tr> <td>Source</td><td> <pre> &lt;xs:attribute name="equipmentName" use="required"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation xml:lang="eng"&gt;Internal name of the tsrget Allowed characters: a-z, A-Z, 0-9 and ._%+&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:simpleType&gt;     &lt;xs:restriction base="xs:string"&gt;       &lt;xs:pattern value="[a-zA-Z0-9._%+]" /&gt;     &lt;/xs:restriction&gt;   &lt;/xs:simpleType&gt; &lt;/xs:attribute&gt; </pre> </td></tr> | Type | restriction of xs:string | Properties | use:                      required | Facets | pattern                      [a-zA-Z0-9._%+ ]+ | Used by | Complex Type      tns:fileType | Source | <pre> &lt;xs:attribute name="equipmentName" use="required"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation xml:lang="eng"&gt;Internal name of the tsrget Allowed characters: a-z, A-Z, 0-9 and ._%+&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:simpleType&gt;     &lt;xs:restriction base="xs:string"&gt;       &lt;xs:pattern value="[a-zA-Z0-9._%+]" /&gt;     &lt;/xs:restriction&gt;   &lt;/xs:simpleType&gt; &lt;/xs:attribute&gt; </pre> |
| Type        | restriction of xs:string                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |      |                          |            |                                    |        |                                                |         |                                |        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Properties  | use:                      required                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |                          |            |                                    |        |                                                |         |                                |        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Facets      | pattern                      [a-zA-Z0-9._%+ ]+                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |                          |            |                                    |        |                                                |         |                                |        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Used by     | Complex Type      tns:fileType                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |                          |            |                                    |        |                                                |         |                                |        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Source      | <pre> &lt;xs:attribute name="equipmentName" use="required"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation xml:lang="eng"&gt;Internal name of the tsrget Allowed characters: a-z, A-Z, 0-9 and ._%+&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:simpleType&gt;     &lt;xs:restriction base="xs:string"&gt;       &lt;xs:pattern value="[a-zA-Z0-9._%+]" /&gt;     &lt;/xs:restriction&gt;   &lt;/xs:simpleType&gt; &lt;/xs:attribute&gt; </pre>                                                                                                                                                                                                                                                                                                                                                                                                           |      |                          |            |                                    |        |                                                |         |                                |        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

### Attribute tns:fileType / @captureID

|             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |      |                          |            |                                      |        |                                                |         |                                |        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|--------------------------|------------|--------------------------------------|--------|------------------------------------------------|---------|--------------------------------|--------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace   | No namespace                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |      |                          |            |                                      |        |                                                |         |                                |        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Annotations | Optional. Only used when the equipment produce several images (front/back etc.) and it's possible to distinguish between them. Corresponds to the attributes with the same name under captureData Allowed characters: a-z, A-Z, 0-9 and ._%+</td></tr> <tr> <td>Type</td><td>restriction of xs:string</td></tr> <tr> <td>Properties</td><td>content:                      simple</td></tr> <tr> <td>Facets</td><td>pattern                      [a-zA-Z0-9._%+ ]+</td></tr> <tr> <td>Used by</td><td>Complex Type      tns:fileType</td></tr> <tr> <td>Source</td><td> <pre> &lt;xs:attribute name="captureID"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation xml:lang="eng"&gt;Optional. Only used when the equipment produce several images (front/back etc.) and it's possible to distinguish between them. Corresponds to the attributes with the same name under captureData Allowed characters: a-z, A-Z, 0-9 and ._%+&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:simpleType&gt;     &lt;xs:restriction base="xs:string"&gt;       &lt;xs:pattern value="[a-zA-Z0-9._%+]" /&gt;     &lt;/xs:restriction&gt;   &lt;/xs:simpleType&gt; &lt;/xs:attribute&gt; </pre> </td></tr> | Type | restriction of xs:string | Properties | content:                      simple | Facets | pattern                      [a-zA-Z0-9._%+ ]+ | Used by | Complex Type      tns:fileType | Source | <pre> &lt;xs:attribute name="captureID"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation xml:lang="eng"&gt;Optional. Only used when the equipment produce several images (front/back etc.) and it's possible to distinguish between them. Corresponds to the attributes with the same name under captureData Allowed characters: a-z, A-Z, 0-9 and ._%+&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:simpleType&gt;     &lt;xs:restriction base="xs:string"&gt;       &lt;xs:pattern value="[a-zA-Z0-9._%+]" /&gt;     &lt;/xs:restriction&gt;   &lt;/xs:simpleType&gt; &lt;/xs:attribute&gt; </pre> |
| Type        | restriction of xs:string                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |      |                          |            |                                      |        |                                                |         |                                |        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Properties  | content:                      simple                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |      |                          |            |                                      |        |                                                |         |                                |        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Facets      | pattern                      [a-zA-Z0-9._%+ ]+                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |      |                          |            |                                      |        |                                                |         |                                |        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Used by     | Complex Type      tns:fileType                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |      |                          |            |                                      |        |                                                |         |                                |        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Source      | <pre> &lt;xs:attribute name="captureID"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation xml:lang="eng"&gt;Optional. Only used when the equipment produce several images (front/back etc.) and it's possible to distinguish between them. Corresponds to the attributes with the same name under captureData Allowed characters: a-z, A-Z, 0-9 and ._%+&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:simpleType&gt;     &lt;xs:restriction base="xs:string"&gt;       &lt;xs:pattern value="[a-zA-Z0-9._%+]" /&gt;     &lt;/xs:restriction&gt;   &lt;/xs:simpleType&gt; &lt;/xs:attribute&gt; </pre>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |      |                          |            |                                      |        |                                                |         |                                |        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |

### Attribute tns:fileType / @targetCaptureDate

|             |                                                                                      |
|-------------|--------------------------------------------------------------------------------------|
| Namespace   | No namespace                                                                         |
| Annotations | Date of capture for the image that contains the target used for the IQ measurements. |
| Type        | xs:date                                                                              |
| Properties  | use:                      required                                                   |

|         |                                                                                                                                                                                                                                                                                                                            |
|---------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Used by | Complex Type      tns:fileType                                                                                                                                                                                                                                                                                             |
| Source  | <pre>&lt;xs:attribute type="xs:date" name="targetCaptureDate" use="required"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation xml:lang="eng"&gt;Date of capture for the image that contains the target used for     the IQ measurements.&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:attribute&gt;</pre> |

### Attribute tns:fileType / @captureNumber

|             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace   | No namespace                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Annotations | Sequence number/identifier for the image quality measurement. Allowed characters: a-z, A-Z, 0-9 and ._%+-                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Type        | restriction of xs:string                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Properties  | use:                      required                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Facets      | pattern                      [a-zA-Z0-9._%+-]+                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Used by     | Complex Type      tns:fileType                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Source      | <pre>&lt;xs:attribute form="unqualified" name="captureNumber" use="required"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation xml:lang="eng"&gt;Sequence number/identifier for the image quality measurement.     Allowed characters: a-z, A-Z, 0-9 and ._%+-&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:simpleType&gt;     &lt;xs:restriction base="xs:string"&gt;       &lt;xs:pattern value="[a-zA-Z0-9._%+-]+" /&gt;     &lt;/xs:restriction&gt;   &lt;/xs:simpleType&gt; &lt;/xs:attribute&gt;</pre> |

### Attribute tns:imageQuailtyControlDataType / @packageDate

|             |                                                                                                                                                                                                                                                           |
|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace   | No namespace                                                                                                                                                                                                                                              |
| Annotations | Date when the package was created. Initially set to optional                                                                                                                                                                                              |
| Type        | xs:dateTime                                                                                                                                                                                                                                               |
| Properties  | content:                      simple                                                                                                                                                                                                                      |
| Used by     | Complex Type      tns:imageQuailtyControlDataType                                                                                                                                                                                                         |
| Source      | <pre>&lt;xs:attribute name="packageDate" type="xs:dateTime"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation xml:lang="eng"&gt;Date when the package was created. Initially set to optional&lt;/   &lt;/xs:annotation&gt; &lt;/xs:attribute&gt;</pre> |

### Attribute tns:manuallyControlledFileType / tns:fileName / @result

|            |                                                                                                    |
|------------|----------------------------------------------------------------------------------------------------|
| Namespace  | No namespace                                                                                       |
| Type       | xs:boolean                                                                                         |
| Properties | use:                      required                                                                 |
| Used by    | Element                      tns:manuallyControlledFileType/tns:fileName                           |
| Source     | <pre>&lt;xs:attribute name="result" type="xs:boolean" form="unqualified" use="required"/&gt;</pre> |