

Schema documentation for icp_v1_2.xsd

april 29, 2014

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Namespace: "kb.se/ns/image_capture_performance"

Schema(s)

Main schema icp_v1_2.xsd

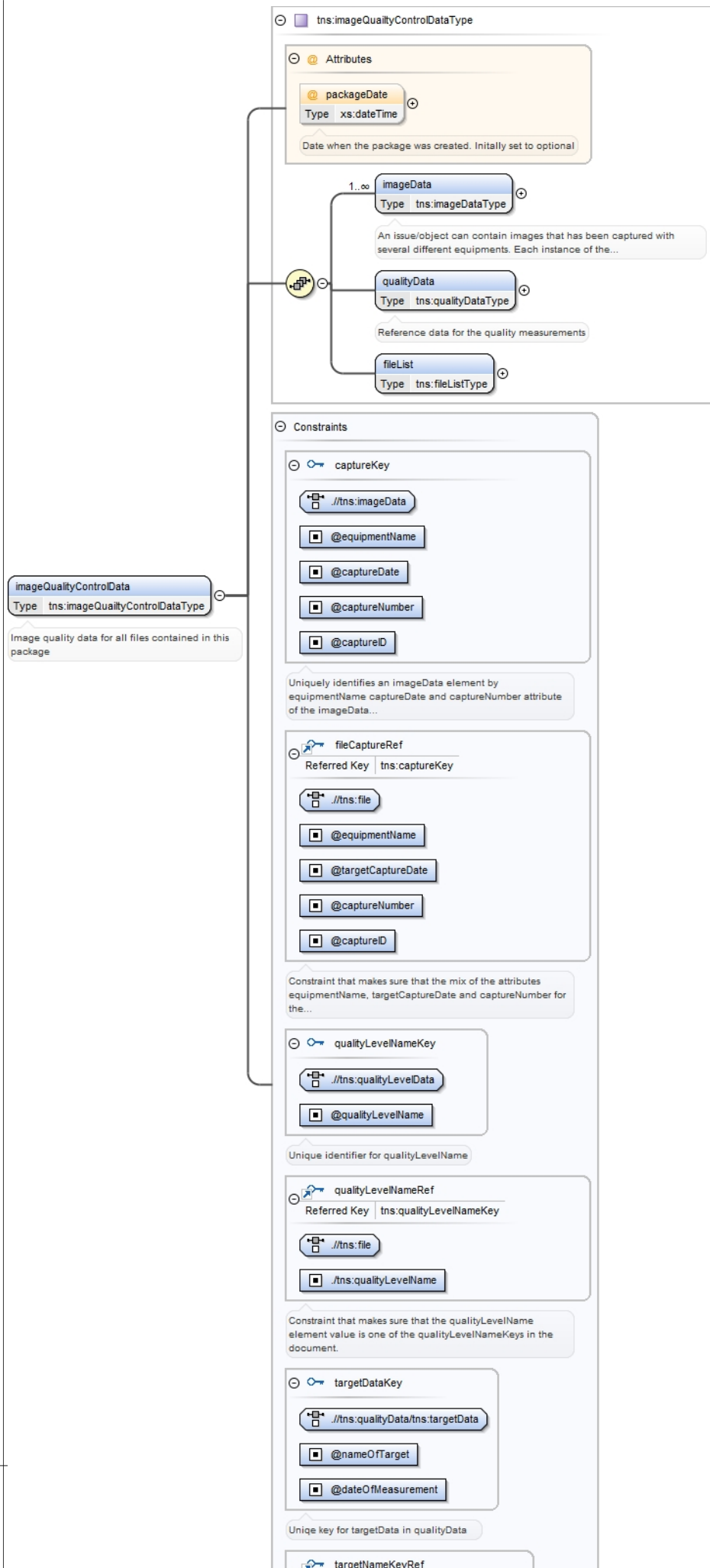
Namespace	kb.se/ns/image_capture_performance						
Annotations	This is the xml schema for image capture performance data, developed by The National Library of Sweden, used for inhouse digitization projects. Reference to the latest version of xml schema: schemaLocation="http://www.kb.se/namespace/image_capture_performance/icp_v1.xsd" Recommended prefix for kb.se/ns/image_capture_performance: icp Current version: 1.2 (2014-04-29) Version history: In version 1.2, the following changes 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 tns:imageData/tns:generalInformation/tns:periodicMeasurement tns:imageData/tns:patchMeasurements tns:imageData/tns:aggregateMeasurements; 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 tns:imageData/tns:patchMeasurements tns:imageData/tns:aggregateMeasurements In version 1.1, the following changes has been made: Elements deltaI, deltaC, meanDeltaI and meanDeltaC are made optional (set to minOccurs="0"); correction of misspelled dateOfIlluminationMeasurement						
Properties	<table> <tr> <td>attribute form default:</td><td>unqualified</td></tr> <tr> <td>element form default:</td><td>qualified</td></tr> <tr> <td>version:</td><td>1.2</td></tr> </table>	attribute form default:	unqualified	element form default:	qualified	version:	1.2
attribute form default:	unqualified						
element form default:	qualified						
version:	1.2						

Element(s)

Element tns:imageQualityControlData

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

Diagram

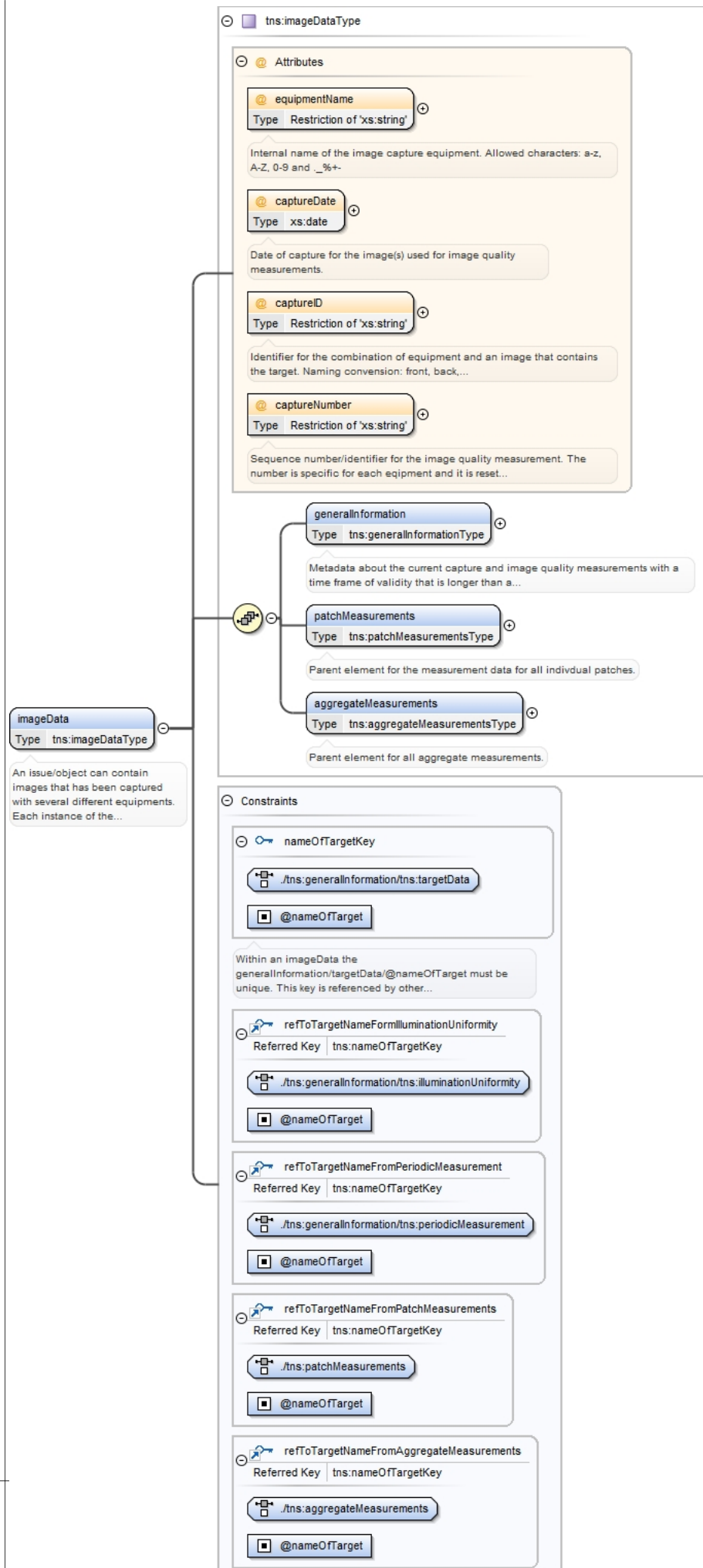


Type	tns:imageQualityControlDataType			
Properties	content: complex			
Model	tns:imageData+ , tns:qualityData , tns:fileList			
Children	tns:fileList, tns:imageData, tns:qualityData			
Instance	<pre><tns:imageQualityControlData packageDate="" xmlns:tns="kb.se/ns/image_capture_performance"> <tns:imageData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

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

Namespace	kb.se/ns/image_capture_performance
Annotations	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. 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. 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).

Diagram



Type	tns:imageDataType			
Properties	content:	complex		
	minOccurs:	1		
	maxOccurs:	unbounded		
Model	tns:generalInformation , tns:patchMeasurements , tns:aggregateMeasurements			
Children	tns:aggregateMeasurements, tns:generalInformation, tns:patchMeasurements			
Instance	<pre><tns:imageData captureDate="" captureID="" captureNumber="" equipmentName="" xmlns:tns="kb.se/ns/image_capture_performance"> <tns:generalInformation>{1,1}</tns:generalInformation> <tns:patchMeasurements nameOfTarget="">{1,1}</tns:patchMeasurements> <tns:aggregateMeasurements nameOfTarget="">{1,1}</tns:aggregateMeasurements> </tns:imageData></pre>			
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. 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	<pre><xs:element type="tns:imageDataType" name="imageData" maxOccurs="unbounded" minOccurs="1"> <xs:annotation> <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> </xs:annotation> <xs:key name="nameOfTargetKey"> <xs:annotation> <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> </xs:annotation> <xs:selector xpath="./tns:generalInformation/tns:targetData"/> <xs:field xpath="@nameOfTarget"/> </xs:key> <xs:keyref refer="tns:nameOfTargetKey" name="refToTargetNameFormIlluminationUniformity"> <xs:selector xpath="./tns:generalInformation/tns:illuminationUniformity"/> <xs:field xpath="@nameOfTarget"/> </xs:keyref> <xs:keyref refer="tns:nameOfTargetKey" name="refToTargetNameFromPeriodicMeasurement"> <xs:selector xpath="./tns:generalInformation/tns:periodicMeasurement"/> <xs:field xpath="@nameOfTarget"/> </xs:keyref> <xs:keyref refer="tns:nameOfTargetKey" name="refToTargetNameFromPatchMeasurements"></pre>		

```

<xs:selector xpath="./tns:patchMeasurements"/>
<xs:field xpath="@nameOfTarget"/>
</xs:keyref>
<xs:keyref refer="tns:nameOfTargetKey" name="refToTargetNameFromAggregateMeasurements">
  <xs:selector xpath="./tns:aggregateMeasurements"/>
  <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 image quality measurements with a time frame of validity that is longer than a single day
Diagram	The diagram shows the structure of <code>tns:generalInformationType</code>. It is a complex type containing the following elements: <code>equipmentModel</code>: Type <code>Restriction of 'xs:string'</code>. Description: The model name of the image capture equipment. Allowed characters: a-z, A-Z, 0-9 and ._%+. <code>targetData</code>: Type <code>tns:capturedTargetType</code>. Occurs 1..∞ times. <code>illuminationUniformity</code>: Type <code>tns:illuminationUniformityType</code>. Description: The difference in illumination, measured between the image corners and the center. Measured in deltaL. A result might... <code>periodicMeasurement</code>: Type <code>tns:periodicMeasurement</code>. Occurs 0..∞ times. Description: Generic complex type for periodic measurement, e.g. sharpness, stitching.
Type	tns:generalInformationType
Properties	content: complex
Model	tns:equipmentModel , tns:targetData+ , tns:illuminationUniformity , tns:periodicMeasurement*
Children	tns:equipmentModel, tns:illuminationUniformity, tns:periodicMeasurement, tns:targetData
Instance	<pre> <tns:generalInformation xmlns:tns="kb.se/ns/image_capture_performance"> <tns:equipmentModel>{1,1}</tns:equipmentModel> <tns:targetData dateOfPhysicalMeasurement="" nameOfTarget="">{1,unbounded}</tns:targetData> <tns:illuminationUniformity nameOfTarget="">{1,1}</tns:illuminationUniformity> <tns:periodicMeasurement measurementType="" nameOfTarget="">{0,unbounded}</tns:periodicMeasurement> </tns:generalInformation> </pre>
Source	<pre> <xs:element type="tns:generalInformationType" name="generalInformation"> <xs:annotation> <xs:documentation xml:lang="eng">Metadata about the current capture and image quality measurements with a time frame of validity that is longer than a single day</xs:documentation> </xs:annotation> </xs:element> </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	The diagram shows the structure of <code>tns:equipmentModel</code>. It is a simple type that restricts <code>xs:string</code>. Description: The model name of the image capture equipment. Allowed characters: a-z, A-Z, 0-9 and ._%+.
Type	restriction of xs:string
Properties	content: simple
Facets	pattern <code>[a-zA-Z0-9. _%+]+</code>
Source	<pre> <xs:element name="equipmentModel"> <xs:annotation> <xs:documentation xml:lang="eng">The model name of the image capture equipment. Allowed characters: a-z, A-Z, 0-9 and ._%+</xs:documentation> </xs:annotation> </xs:element> </pre>

```

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

```

Element `tns:generalInformationType` / `tns:targetData`

Namespace	kb.se/ns/image_capture_performance
Diagram	targetData Type: <code>tns:capturedTargetType</code> tns:capturedTargetType Attributes: nameOfTarget Type: Restriction of 'xs:string' Must exist a nameOfTarget element with the same contents under generalInformation. Allowed characters: a-z, A-Z, 0-9... dateOfPhysicalMeasurement Type: xs:date Date when the target's real-world color values was measured targetType Type: Restriction of 'xs:string' The type of target that was employed. Allowed characters: a-z, A-Z, 0-9 and ._%+- dateOfTargetCapture Type: xs:dateTime Date of the capture of the image that contains the target. numberOfPatches Type: Restriction of 'xs:short' The number of patches that is used for the measurements. Not necessary equal to the number of patches on the target.... dateOfProcessing Type: xs:dateTime Date when the image quality measurements for this target were performed measurementArea Type: xs:string The size of the area that was used for image quality measurements, in pixels. E.g. 10x10. targetUpsideDown Type: xs:boolean Indicates if the target's orientation with regard to the contents in the image. 0/false corresponds to the target being... positionOfTarget Type: tns:positionOfTargetType The target's coordinates in the reference image. Only included when we store the image that contains the target.
Type	<code>tns:capturedTargetType</code>
Properties	content: complex maxOccurs: unbounded
Model	<code>tns:targetType</code> , <code>tns:dateOfTargetCapture</code> , <code>tns:numberOfPatches</code> , <code>tns:dateOfProcessing</code> , <code>tns:measurementArea</code> , <code>tns:targetUpsideDown{0,1}</code> , <code>tns:positionOfTarget{0,1}</code>
Children	<code>tns:dateOfProcessing</code> , <code>tns:dateOfTargetCapture</code> , <code>tns:measurementArea</code> , <code>tns:numberOfPatches</code> , <code>tns:positionOfTarget</code> , <code>tns:targetType</code> , <code>tns:targetUpsideDown</code>
Instance	<pre> <tns:targetData dateOfPhysicalMeasurement="" nameOfTarget="" xmlns:tns="kb.se/ns/image_capture_performance"> </pre>

	<pre><tns:targetType>{1,1}</tns:targetType> <tns:dateOfTargetCapture>{1,1}</tns:dateOfTargetCapture> <tns:numberOfPatches>{1,1}</tns:numberOfPatches> <tns:dateOfProcessing>{1,1}</tns:dateOfProcessing> <tns:measurementArea>{1,1}</tns:measurementArea> <tns:targetUpsideDown>{0,1}</tns:targetUpsideDown> <tns:positionOfTarget>{0,1}</tns:positionOfTarget> </tns:targetData></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	<pre><xs:element name="targetData" type="tns:capturedTargetType" maxOccurs="unbounded"/></pre>			

Element tns:capturedTargetType / tns:targetType

Namespace	kb.se/ns/image_capture_performance		
Annotations	The type of target that was employed. Allowed characters: a-z, A-Z, 0-9 and ._%+-		
Diagram	targetType Type Restriction of 'xs:string' restricts: xs:string The type of target that was employed. Allowed characters: a-z, A-Z, 0-9 and ._%+-		
Type	restriction of xs:string		
Properties	content:	simple	
Facets	pattern	[a-zA-Z0-9._%+-]+	
Source	<pre><xs:element name="targetType"> <xs:annotation> <xs:documentation xml:lang="eng">The type of target that was employed. 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></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	The diagram illustrates the structure of the <code>dateOfTargetCapture</code> element. It is represented as a blue box labeled <code>dateOfTargetCapture</code> with the type <code>xs:dateTime</code> indicated below it. A line connects this box to a purple box labeled <code>xs:dateTime</code>, which is also labeled as a built-in primitive type. A callout box explains that the <code>dateTime</code> datatype represents a specific instant of time. Another callout box points to the <code>dateOfTargetCapture</code> element, stating that it represents the date of the capture of the image that contains the target.		
Type	xs:dateTime		
Properties	content:	simple	
Source	<pre><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></pre>		

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	The number of patches that is used for the measurements. Not necessary equal to the number of patches on the target....				
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>12</td></tr> </table>	minInclusive	12		
minInclusive	12				
Source	<pre><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. Mininum 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="12"/> </xs:restriction> </xs:simpleType> </xs:element></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	Date when the image quality measurements for this target were performed Built-in primitive type. The dateTime datatype represents a specific instant of time.		
Type	xs:dateTime		
Properties	<table> <tr> <td>content:</td><td>simple</td></tr> </table>	content:	simple
content:	simple		
Source	<pre><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></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	The size of the area that was used for image quality measurements, in pixels. E.g. 10x10. Built-in primitive type. The string datatype represents character strings in XML.		
Type	xs:string		
Properties	<table> <tr> <td>content:</td><td>simple</td></tr> </table>	content:	simple
content:	simple		
Source	<pre><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></pre>		

Element tns:capturedTargetType / tns:targetUpsideDown

Namespace	kb.se/ns/image_capture_performance
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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	The diagram shows a box for the <code>targetUpsideDown</code> element with the type <code>xs:boolean</code>. A line connects this box to a box for the <code>xs:boolean</code> type. A callout for <code>targetUpsideDown</code> states: "Indicates if the target's orientation with regard to the contents in the image. 0/false corresponds to the target being...". A callout for <code>xs:boolean</code> states: "Built-in primitive type. It defines the boolean values true and false."
Type	xs:boolean
Properties	content: simple minOccurs: 0
Source	<pre><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></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	The diagram shows a box for the <code>positionOfTarget</code> element with the type <code>tns:positionOfTargetType</code>. A line connects this box to a box for the <code>tns:positionOfTargetType</code> type. A callout for <code>positionOfTarget</code> states: "The target's coordinates in the reference image. Only included when we store the image that contains the target." Inside the <code>tns:positionOfTargetType</code> box, there is a box for the <code>tns:coordinateType</code> type with a cardinality of 4. A callout for <code>tns:coordinateType</code> states: "Coordinates for one corner of the target. Assumes a rectangular target. Only used when the target image is stored."
Type	tns:positionOfTargetType
Properties	content: complex minOccurs: 0
Model	tns:corner{4,4}
Children	tns:corner
Instance	<pre><tns:positionOfTarget xmlns:tns="kb.se/ns/image_capture_performance"> <tns:corner>{4,4}</tns:corner> </tns:positionOfTarget></pre>
Source	<pre><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></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	The diagram shows a box for the <code>corner</code> element with the type <code>tns:coordinateType</code>. A line connects this box to a box for the <code>tns:coordinateType</code> type. A callout for <code>corner</code> states: "Coordinates for one corner of the target. Assumes a rectangular target. Only used when the target image is stored." Inside the <code>tns:coordinateType</code> box, there are two boxes for the <code>xs:int</code> type, labeled X and Y. A callout for <code>tns:coordinateType</code> states: "Coordinates for one corner of the target. Assumes a rectangular target. Only used when the target image is stored."

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

Element tns:coordinateType / tns:X

Namespace	kb.se/ns/image_capture_performance
Diagram	
Type	xs:int
Properties	content: simple
Source	<pre><xs:element name="X" type="xs:int"/></pre>

Element tns:coordinateType / tns:Y

Namespace	kb.se/ns/image_capture_performance
Diagram	
Type	xs:int
Properties	content: simple
Source	<pre><xs:element name="Y" type="xs:int"/></pre>

Element tns:generalInformationType / 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 onxsly for element that corresponds to the size of the current object

Diagram	The diagram illustrates the XSD structure for <code>tns:illuminationUniformityType</code>. It is a complex type with the following components: Attributes: <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: <code>a-z, A-Z, 0-9...</code> Elements: <code>illuminationUniformityValue</code>: Type <code>Extension of 'tns:illuminationUniformityValueType'</code>. The measured illumination uniformity for the size of the real-world object, in deltaL. The element that is closest to... <code>dateOfIlluminationMeasurement</code>: Type <code>xs:dateTime</code>. Datetime of the last illumination measurement. <code>daysSinceIlluminationMeasurement</code>: Type <code>Restriction of 'xs:short'</code>. Days since the last illumination uniformity measurement. Constraints: <code>uniqueSize</code>: A uniqueness constraint on the <code>illuminationUniformityValue</code> element, with the field <code>@size</code>.			
Type	tns:illuminationUniformityType			
Properties	content:	complex		
Model	tns:illuminationUniformityValue , tns:dateOfIlluminationMeasurement , tns:daysSinceIlluminationMeasurement			
Children	tns:dateOfIlluminationMeasurement, tns:daysSinceIlluminationMeasurement, tns:illuminationUniformityValue			
Instance	<pre><tns:illuminationUniformity nameOfTarget="" xmlns:tns="kb.se/ns/image_capture_performance"> <tns:illuminationUniformityValue size="">{1,1}</tns:illuminationUniformityValue> <tns:dateOfIlluminationMeasurement>{1,1}</tns:dateOfIlluminationMeasurement> <tns:daysSinceIlluminationMeasurement>{1,1}</tns:daysSinceIlluminationMeasurement> </tns:illuminationUniformity></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><xs:element name="illuminationUniformity" type="tns:illuminationUniformityType"> <xs:annotation> <xs:documentation xml:lang="eng">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</xs:documentation> </xs:annotation> <xs:unique name="uniqueSize"> <xs:selector xpath="/tns:illuminationUniformityValue"/> <xs:field xpath="@size"/> </xs:unique> </xs:element></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	- xs:float - tns:illuminationUniformityValueType

Properties	content:	complex		
	maxOccurs:	1		
Attributes	QName	Type	Use	
	size	restriction of xs:string	required	
Source	<pre> <xs:element name="illuminationUniformityValue" maxOccurs="1"> <xs:annotation> <xs:documentation xml:lang="eng">The measured illumination uniformity for the size of the real- world object, in deltaI. The element that is closest to the real-world size of the object must be created. The other elements are optional.</xs:documentation> </xs:annotation> <xs:complexType> <xs:simpleContent> <xs:extension base="tns:illuminationUniformityValueType"> <xs:attribute name="size" use="required"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:enumeration value="A1"/> <xs:enumeration value="A2"/> <xs:enumeration value="A3"/> </xs:restriction> </xs:simpleType> </xs:attribute> </xs:extension> </xs:simpleContent> </xs:complexType> </xs:element> </pre>			

Element tns:illuminationUniformityType / tns:dateOfIlluminationMeasurement

Namespace	kb.se/ns/image_capture_performance
Annotations	Datetime of the last illumination measurement
Diagram	<pre> graph LR A[dateOfIlluminationMeasurement Type xs:dateTime] --- B[restricts xs:dateTime] B --- C[Built-in primitive type. The dateTime datatype represents a specific instant of time.] </pre>
Type	xs:dateTime
Properties	content: simple
Source	<pre> <xs:element name="dateOfIlluminationMeasurement" type="xs:dateTime"> <xs:annotation> <xs:documentation xml:lang="eng">Datetime of the last illumination measurement</ xs:documentation> </xs:annotation> </xs:element> </pre>

Element tns:illuminationUniformityType / tns:daysSinceIlluminationMeasurement

Namespace	kb.se/ns/image_capture_performance
Annotations	Days since the last illumination uniformity measurement
Diagram	<pre> graph LR A[daysSinceIlluminationMeasurement Type Restriction of 'xs:short'] --- B[restricts xs:short] B --- C[Restricts xs:short] </pre>
Type	restriction of xs:short
Properties	content: simple
Facets	minInclusive 0
Source	<pre> <xs:element name="daysSinceIlluminationMeasurement"> <xs:annotation> <xs:documentation xml:lang="eng">Days since the last illumination uniformity measurement</ xs:documentation> </xs:annotation> <xs:simpleType> </pre>

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<xs:restriction base="xs:short">
  <xs:minInclusive value="0"/>
</xs:restriction>
</xs:simpleType>
</xs:element>

```

Element `tns:generalInformationType` / `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><tns:periodicMeasurement measurementType="" nameOfTarget="" xmlns:tns="kb.se/ns/ image_capture_performance"> <tns:dateOfMeasurement>{1,1}</tns:dateOfMeasurement> <tns:daysSinceMeasurement>{1,1}</tns:daysSinceMeasurement> <tns:resultString>{1,1}</tns:resultString> <tns:resultNumeric>{0,1}</tns:resultNumeric> <tns:resultNumeric>{1,1}</tns:resultNumeric> </tns:periodicMeasurement></pre>			
Attributes	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	

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

Element tns:periodicMeasurement / tns:dateOfMeasurement

Namespace	kb.se/ns/image_capture_performance		
Annotations	Date of the periodic measurement		
Diagram	The diagram illustrates the relationship between the <code>dateOfMeasurement</code> element and the <code>xs:dateTime</code> primitive type. The element is represented by a rounded rectangle with a blue header and a light blue body, containing the text <code>dateOfMeasurement</code> and <code>Type xs:dateTime</code>. A line connects this element to a rounded rectangle representing the <code>xs:dateTime</code> primitive type, which has a purple header and a light purple body, containing a calendar icon and the text <code>xs:dateTime</code>. Below the element box is a callout bubble with the text "Date of the periodic measurement". Below the primitive type box is a callout bubble with the text "Built-in primitive type. The dateTime datatype represents a specific instant of time."		
Type	xs:dateTime		
Properties	content:	simple	
Source	<pre><xs:element name="dateOfMeasurement" type="xs:dateTime"> <xs:annotation> <xs:documentation xml:lang="eng">Date of the periodic measurement</xs:documentation> </xs:annotation> </xs:element></pre>		

Element tns:periodicMeasurement / tns:daysSinceMeasurement

Namespace	kb.se/ns/image_capture_performance		
Annotations	Number of days since the measurement was performed		
Diagram	The diagram illustrates the relationship between the <code>daysSinceMeasurement</code> element and the <code>restricts:xs:short</code> primitive type. The element is shown as a blue box labeled <code>daysSinceMeasurement</code> with the text "Type Restriction of 'xs:short'". It is connected by a line to a purple box labeled <code>restricts:xs:short</code>. A callout bubble points to the element with the text "Number of days since the measurement was performed".		
Type	restriction of xs:short		
Properties	content:	simple	
Facets	minInclusive	0	
Source	<pre><xs:element name="daysSinceMeasurement"> <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></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"/>	

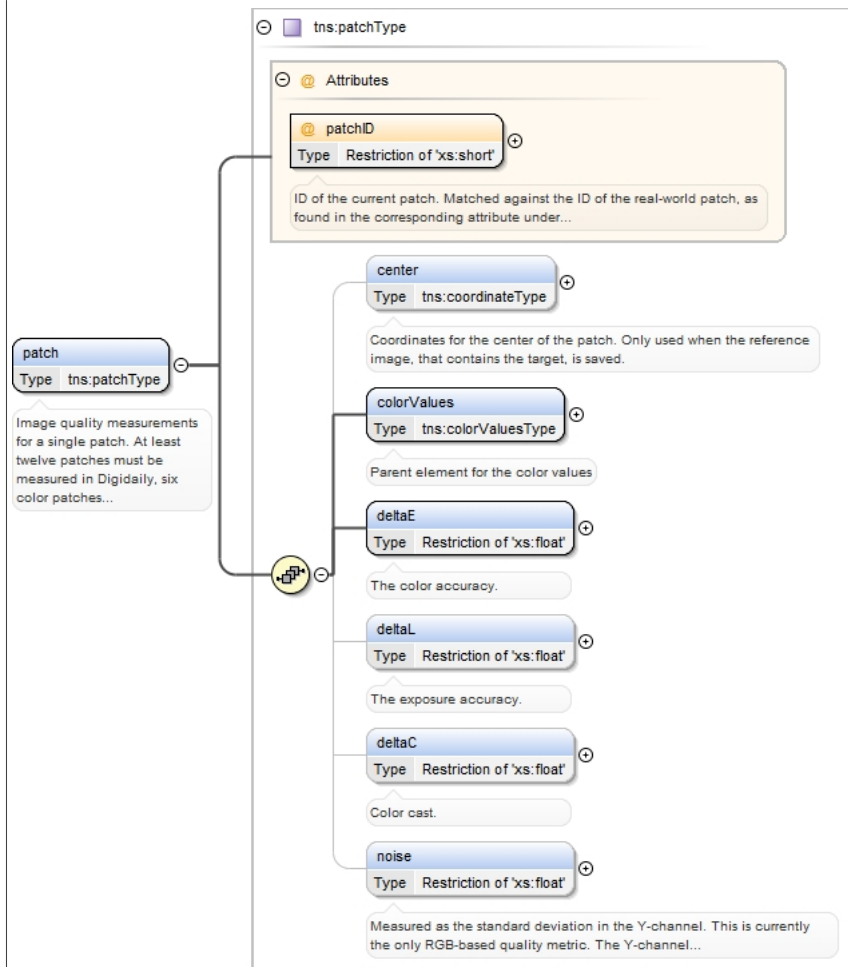
Element tns:imageDataType / tns:patchMeasurements

Namespace	kb.se/ns/image_capture_performance			
Annotations	Parent element for the measurement data for all individual patches.			
Diagram				
Type	tns:patchMeasurementsType			
Properties	content:	complex		
Model	tns:patch{12,unbounded}			
Children	tns:patch			
Instance	<pre><tns:patchMeasurements nameOfTarget="" xmlns:tns="kb.se/ns/image_capture_performance"> <tns:patch patchID="">{12,unbounded}</tns:patch> </tns:patchMeasurements></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><xs:element type="tns:patchMeasurementsType" name="patchMeasurements"> <xs:annotation> <xs:documentation xml:lang="eng">Parent element for the measurement data for all individual patches.</xs:documentation> </xs:annotation> </xs:element></pre>			

Element tns:patchMeasurementsType / tns:patch

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:center{0,1} , tns:colorValues , tns:deltaE , tns:deltaL{0,1} , tns:deltaC{0,1} , tns:noise{0,1}			
Children	tns:center, tns:colorValues, tns:deltaC, tns:deltaE, tns:deltaL, tns:noise			
Instance	<pre><tns:patch patchID="" xmlns:tns="kb.se/ns/image_capture_performance"> <tns:center>{0,1}</tns:center> <tns:colorValues>{1,1}</tns:colorValues> <tns:deltaE>{1,1}</tns:deltaE> <tns:deltaL>{0,1}</tns:deltaL> <tns:deltaC>{0,1}</tns:deltaC> <tns:noise>{0,1}</tns:noise> </tns:patch></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><xs:element type="tns:patchType" name="patch" maxOccurs="unbounded" minOccurs="12"> <xs:annotation> <xs:documentation xml:lang="eng">Image quality measurements for a single patch. At least twelve patches must be measured in Digidaily, six color patches and six grayscale patches.</ </xs:documentation> </xs:annotation> </xs:element></pre>			

Element `tns:patchType / tns:center`

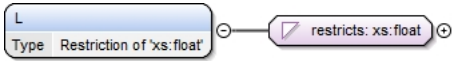
Namespace	kb.se/ns/image_capture_performance				
Annotations	Coordinates for the center of the patch. Only used when the reference image, that contains the target, is saved.				
Diagram					
Type	tns:coordinateType				
Properties	<table> <tr> <td>content:</td><td>complex</td></tr> <tr> <td>minOccurs:</td><td>0</td></tr> </table>	content:	complex	minOccurs:	0
content:	complex				
minOccurs:	0				
Model	tns:X , tns:Y				
Children	tns:X, tns:Y				
Instance	<pre><tns:center xmlns:tns="kb.se/ns/image_capture_performance"> <tns:X>{1,1}</tns:X> <tns:Y>{1,1}</tns:Y> </tns:center></pre>				
Source	<pre><xs:element type="tns:coordinateType" name="center" minOccurs="0"> <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:element></pre>				

Element `tns:patchType / tns:colorValues`

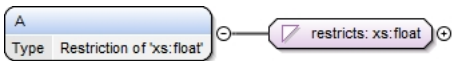
Namespace	kb.se/ns/image_capture_performance		
Annotations	Parent element for the color values		
Diagram			
Type	tns:colorValuesType		
Properties	<table> <tr> <td>content:</td><td>complex</td></tr> </table>	content:	complex
content:	complex		
Model	tns:L , tns:A , tns:B		
Children	tns:A, tns:B, tns:L		
Instance	<pre><tns:colorValues xmlns:tns="kb.se/ns/image_capture_performance"> <tns:L>{1,1}</tns:L> <tns:A>{1,1}</tns:A> <tns:B>{1,1}</tns:B> </tns:colorValues></pre>		
Source	<pre><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></pre>		

Element `tns:colorValuesType / tns:L`

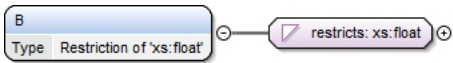
Namespace	kb.se/ns/image_capture_performance
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Diagram	
Type	restriction of xs:float
Properties	content: simple minOccurs: 1
Facets	maxInclusive 100 minInclusive 0
Source	<pre> <xs:element name="L" minOccurs="1"> <xs:simpleType> <xs:restriction base="xs:float">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

Element tns:colorValuesType / tns:A

Namespace	kb.se/ns/image_capture_performance
Diagram	
Type	restriction of xs:float
Properties	content: simple minOccurs: 1
Facets	maxInclusive 100 minInclusive -100
Source	<pre> <xs:element name="A" minOccurs="1"> <xs:simpleType> <xs:restriction base="xs:float"> <xs:minInclusive value="-100"/> <xs:maxInclusive value="100"/> </xs:restriction> </xs:simpleType> </xs:element> </pre>

Element tns:colorValuesType / tns:B

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

Element tns:patchType / tns:deltaE

Namespace	kb.se/ns/image_capture_performance
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Annotations	The color accuracy.
Diagram	
Type	restriction of xs:float
Properties	content: simple
Facets	maxInclusive 300 minInclusive 0
Source	<pre> <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> </pre>

Element tns:patchType / tns:deltaL

Namespace	kb.se/ns/image_capture_performance
Annotations	The exposure accuracy.
Diagram	
Type	restriction of xs:float
Properties	content: simple minOccurs: 0
Facets	maxInclusive 100 minInclusive 0
Source	<pre> <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> </pre>

Element tns:patchType / tns:deltaC

Namespace	kb.se/ns/image_capture_performance
Annotations	Color cast.
Diagram	
Type	restriction of xs:float
Properties	content: simple minOccurs: 0
Facets	maxInclusive 283 minInclusive 0

Source	<pre> <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> </pre>
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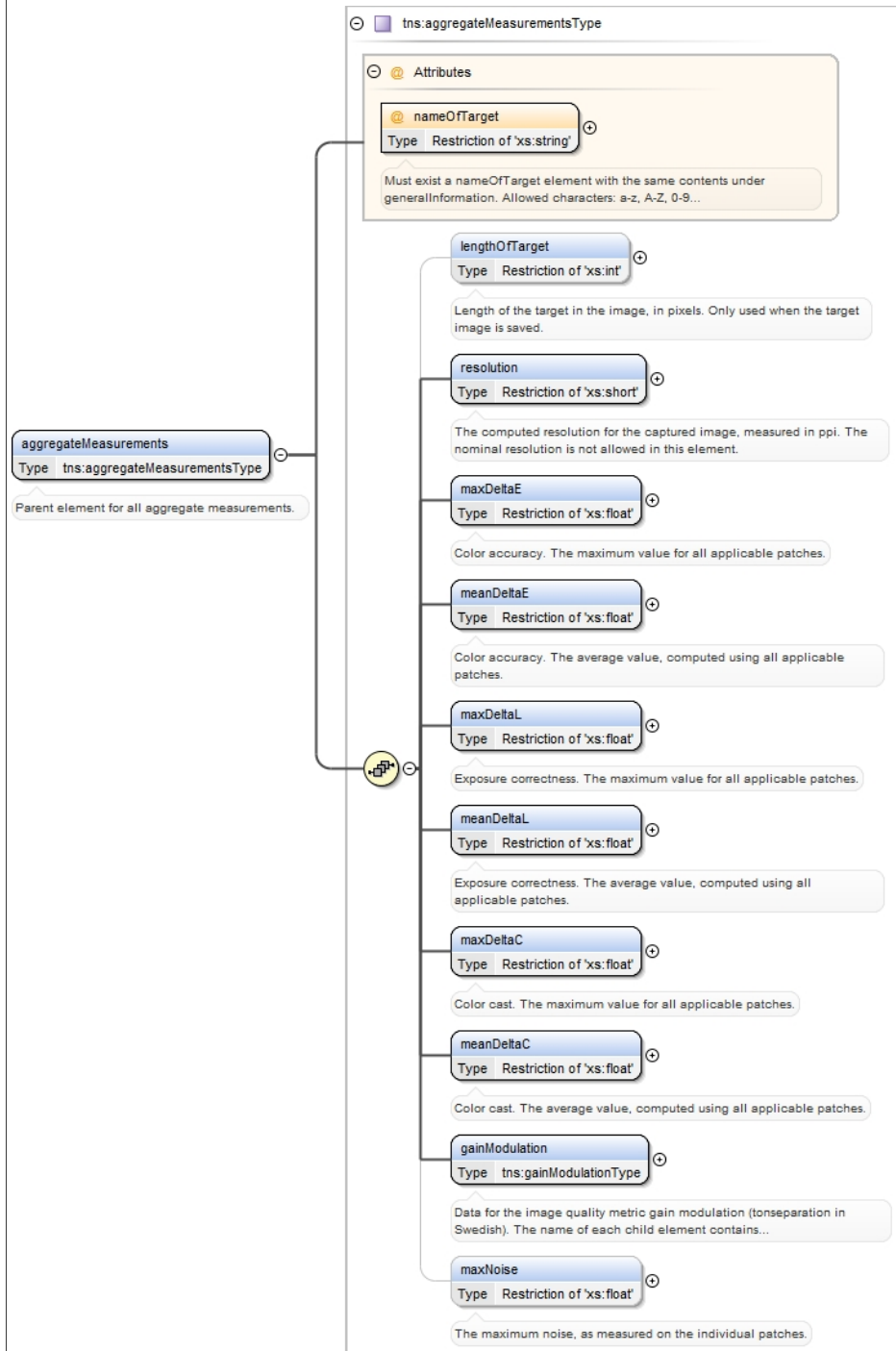
Element `tns:patchType` / `tns:noise`

Namespace	kb.se/ns/image_capture_performance				
Annotations	Measured as the standard deviation in the Y-channel. This is currently the only RGB-based quality metric. The Y-channel is computed as $Y = (0,299 \cdot R + 0,587 \cdot G + 0,114 \cdot B)$.				
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>minInclusive</td><td>0</td></tr> </table>	minInclusive	0		
minInclusive	0				
Source	<pre> <xs:element name="noise" minOccurs="0"> <xs:annotation> <xs:documentation xml:lang="eng">Measured as the standard deviation in the Y-channel. This is currently the only RGB-based quality metric. The Y-channel is computed as Y=(0,299*R + 0,587*G + 0,114*B).</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:float"> <xs:minInclusive value="0"/> </xs:restriction> </xs:simpleType> </xs:element> </pre>				

Element `tns:imageDataType` / `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:lengthOfTarget{0,1} , tns:resolution , tns:maxDeltaE , tns:meanDeltaE , tns:maxDeltaL , tns:meanDeltaL , tns:maxDeltaC , tns:meanDeltaC , tns:gainModulation , tns:maxNoise{0,1}
Children	tns:gainModulation, tns:lengthOfTarget, tns:maxDeltaC, tns:maxDeltaE, tns:maxDeltaL, tns:maxNoise, tns:meanDeltaC, tns:meanDeltaE, tns:meanDeltaL, tns:resolution
Instance	<pre> <tns:aggregateMeasurements nameOfTarget="" xmlns:tns="kb.se/ns/image_capture_performance"> <tns:lengthOfTarget>{0,1}</tns:lengthOfTarget> <tns:resolution>{1,1}</tns:resolution> <tns:maxDeltaE>{1,1}</tns:maxDeltaE> <tns:meanDeltaE>{1,1}</tns:meanDeltaE> <tns:maxDeltaL>{1,1}</tns:maxDeltaL> <tns:meanDeltaL>{1,1}</tns:meanDeltaL> <tns:maxDeltaC>{1,1}</tns:maxDeltaC> <tns:meanDeltaC>{1,1}</tns:meanDeltaC> </pre>

	<code><tns:gainModulation>{1,1}</tns:gainModulation></code> <code><tns:maxNoise>{0,1}</tns:maxNoise></code> <code></tns:aggregateMeasurements></code>			
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	<code><xs:element type="tns:aggregateMeasurementsType" name="aggregateMeasurements"></code> <code><xs:annotation></code> <code><xs:documentation xml:lang="eng">Parent element for all aggregate measurements.</</code> <code>xs:documentation></code> <code></xs:annotation></code> <code></xs:element></code>			

Element tns:aggregateMeasurementsType / tns:lengthOfTarget

Namespace	kb.se/ns/image_capture_performance		
Annotations	Length of the target in the image, in pixels. Only used when the target image is saved.		
Diagram			
Type	restriction of xs:int		
Properties	content:	simple	
	minOccurs:	0	
Facets	minInclusive	0	
Source	<pre><xs:element name="lengthOfTarget" minOccurs="0"> <xs:annotation> <xs:documentation xml:lang="eng">Length of the target in the image, in pixels. Only used when the target image is saved.</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:int"> <xs:minInclusive value="0"/> </xs:restriction> </xs:simpleType> </xs:element></pre>		

Element tns:aggregateMeasurementsType / 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	resolution Type Restriction of 'xs:short' The computed resolution for the captured image, measured in ppi. The nominal resolution is not allowed in this element. restricts: xs:short		
Type	restriction of xs:short		
Properties	content:	simple	
Facets	minInclusive	0	
Source	<pre><xs:element name="resolution"> <xs:annotation> <xs:documentation xml:lang="eng">The computed resolution for the captured image, measured in ppi. The nominal resolution is not allowed in this element.</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:short"> <xs:minInclusive value="0"/> </xs:restriction> </xs:simpleType> </xs:element></pre>		

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Element tns:aggregateMeasurementsType / tns:maxDeltaE

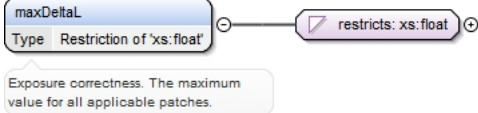
Namespace	kb.se/ns/image_capture_performance				
Annotations	Color accuracy. The maximum value for all applicable patches.				
Diagram					
Type	restriction of xs:float				
Properties	<table> <tr> <td>content:</td><td>simple</td></tr> <tr> <td>minOccurs:</td><td>1</td></tr> </table>	content:	simple	minOccurs:	1
content:	simple				
minOccurs:	1				
Facets	<table> <tr> <td>maxInclusive</td><td>300</td></tr> <tr> <td>minInclusive</td><td>0</td></tr> </table>	maxInclusive	300	minInclusive	0
maxInclusive	300				
minInclusive	0				
Source	<pre> <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> </pre>				

Element tns:aggregateMeasurementsType / tns:meanDeltaE

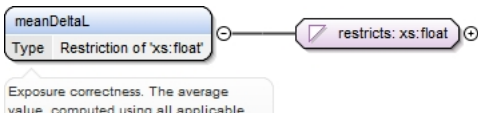
Namespace	kb.se/ns/image_capture_performance				
Annotations	Color accuracy. The average value, computed using all applicable patches.				
Diagram					
Type	restriction of xs:float				
Properties	<table> <tr> <td>content:</td><td>simple</td></tr> <tr> <td>minOccurs:</td><td>1</td></tr> </table>	content:	simple	minOccurs:	1
content:	simple				
minOccurs:	1				
Facets	<table> <tr> <td>maxInclusive</td><td>300</td></tr> <tr> <td>minInclusive</td><td>0</td></tr> </table>	maxInclusive	300	minInclusive	0
maxInclusive	300				
minInclusive	0				
Source	<pre> <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> </pre>				

Element tns:aggregateMeasurementsType / tns:maxDeltaL

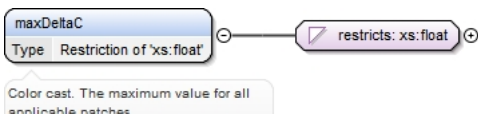
Namespace	kb.se/ns/image_capture_performance
Annotations	Exposure correctness. The maximum value for all applicable patches.

Diagram	 Exposure correctness. The maximum value for all applicable patches.				
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><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></pre>				

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

Namespace	kb.se/ns/image_capture_performance				
Annotations	Exposure correctness. The average value, computed using all applicable patches.				
Diagram	 Exposure correctness. The average value, computed using all applicable patches.				
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><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></pre>				

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

Namespace	kb.se/ns/image_capture_performance		
Annotations	Color cast. The maximum value for all applicable patches.		
Diagram	 Color cast. The maximum value for all applicable patches.		
Type	restriction of xs:float		
Properties	<table> <tr><td>content:</td><td>simple</td></tr> </table>	content:	simple
content:	simple		

	minOccurs: 1
Facets	maxInclusive 283
	minInclusive 0
Source	<pre> <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> </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	
Type	restriction of xs:float
Properties	content: simple
	minOccurs: 1
Facets	maxInclusive 283
	minInclusive 0
Source	<pre> <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> </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.

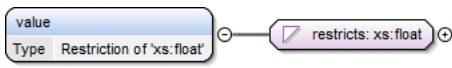
Diagram	
Type	tns:gainModulationType
Properties	content: complex
Model	((tns:L95-L80 , tns:L95-L90{0,1}) (tns:L95-L90)) , ((tns:L85-L20 , tns:L85-L10{0,1}) (tns:L85-L10))
Children	tns:L85-L10, tns:L85-L20, tns:L95-L80, tns:L95-L90
Instance	<pre><tns:gainModulation xmlns:tns="kb.se/ns/image_capture_performance"> <tns:L95-L80 measuredSeparation="">{1,1}</tns:L95-L80> <tns:L95-L90 measuredSeparation="">{0,1}</tns:L95-L90> <tns:L95-L90 measuredSeparation="">{1,1}</tns:L95-L90> <tns:L85-L20 measuredSeparation="">{1,1}</tns:L85-L20> <tns:L85-L10 measuredSeparation="">{0,1}</tns:L85-L10> <tns:L85-L10 measuredSeparation="">{1,1}</tns:L85-L10> </tns:gainModulation></pre>
Source	<pre><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 intervall and one large intervall should be performed.</ xs:documentation> </xs:annotation> </xs:element></pre>

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><tns:L95-L80 measuredSeparation="" xmlns:tns="kb.se/ns/image_capture_performance"> <tns:value>{1,1}</tns:value> </tns:L95-L80></pre>

	</tns:L95-L80>			
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	<xs:element name="L95-L80" type="tns:L95-L80Type"/>			

Element tns:L95-L80Type / tns:value

Namespace	kb.se/ns/image_capture_performance		
Diagram	 The diagram shows a light blue box labeled 'value' with the text 'Type Restriction of 'xs:float'' below it. A line connects this box to a purple box labeled 'restricts: xs:float' which has a small circle with a minus sign next to it.		
Type	restriction of xs:float		
Properties	content:	simple	
Facets	minInclusive	0	
Source	<pre><xs:element name="value"> <xs:simpleType> <xs:restriction base="xs:float"> <xs:minInclusive value="0"/> </xs:restriction> </xs:simpleType> </xs:element></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><tns:L95-L90 measuredSeparation="" xmlns:tns="kb.se/ns/image_capture_performance"> <tns:value>{1,1}</tns:value> </tns:L95-L90></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><xs:element name="L95-L90" minOccurs="0" type="tns:L95-L90Type"/></pre>		

Element tns:L95-L90Type / tns:value

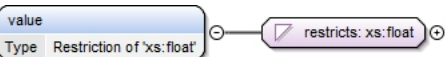
Namespace	kb.se/ns/image_capture_performance		
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Diagram	
Type	restriction of xs:float
Properties	content: simple
Facets	minInclusive 0
Source	<pre> <xs:element name="value"> <xs:simpleType> <xs:restriction base="xs:float"> <xs:minInclusive value="0"/> </xs:restriction> </xs:simpleType> </xs:element> </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><tns:L85-L20 measuredSeparation="" xmlns:tns="kb.se/ns/image_capture_performance"> <tns:value>{1,1}</tns:value> </tns:L85-L20></pre>								
Attributes	<table><thead><tr><th>QName</th><th>Type</th><th>Use</th></tr></thead><tbody><tr><td>measuredSeparation</td><td></td><td>optional</td></tr></tbody></table>	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.	
QName	Type	Use							
measuredSeparation		optional							
Source	<pre><xs:element name="L85-L20" type="tns:L85-L20Type"/></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> <xs:element name="value"> <xs:simpleType> <xs:restriction base="xs:float"> <xs:minInclusive value="0"/> </xs:restriction> </xs:simpleType> </xs:element> </pre>		

Element tns:gainModulationType / tns:L85-L10

Namespace	kb.se/ns/image_capture_performance		
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Diagram													
Type	tns:L85-L10Type												
Properties	<table><tr><td>content:</td><td>complex</td></tr><tr><td>minOccurs:</td><td>0</td></tr><tr><td>maxOccurs:</td><td>1</td></tr></table>	content:	complex	minOccurs:	0	maxOccurs:	1						
content:	complex												
minOccurs:	0												
maxOccurs:	1												
Model	tns:value												
Children	tns:value												
Instance	<pre><tns:L85-L10 measuredSeparation="" xmlns:tns="kb.se/ns/image_capture_performance"> <tns:value>{1,1}</tns:value> </tns:L85-L10></pre>												
Attributes	<table><tr><th>QName</th><th>Type</th><th>Use</th><th></th></tr><tr><td>measuredSeparation</td><td></td><td>optional</td><td></td></tr><tr><td></td><td colspan="3">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></table>	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.		
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	<pre><xs:element name="L85-L10" maxOccurs="1" minOccurs="0" type="tns:L85-L10Type"/></pre>												

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><xs:element name="value"> <xs:simpleType> <xs:restriction base="xs:float"> <xs:minInclusive value="0"/> </xs:restriction> </xs:simpleType> </xs:element></pre>		

Element tns:aggregateMeasurementsType / tns:maxNoise

Namespace	kb.se/ns/image_capture_performance			
Annotations	The maximum noise, as measured on the individual patches.			
Diagram				
Type	restriction of xs:float			
Properties	content:	simple		
	minOccurs:	0		
Facets	minInclusive	0		

Source	<pre> <xs:element name="maxNoise" minOccurs="0"> <xs:annotation> <xs:documentation xml:lang="eng">The maximum noise, as measured on the individual patches.</ </xs:annotation> <xs:simpleType> <xs:restriction base="xs:float"> <xs:minInclusive value="0"/> </xs:restriction> </xs:simpleType> </xs:element> </pre>
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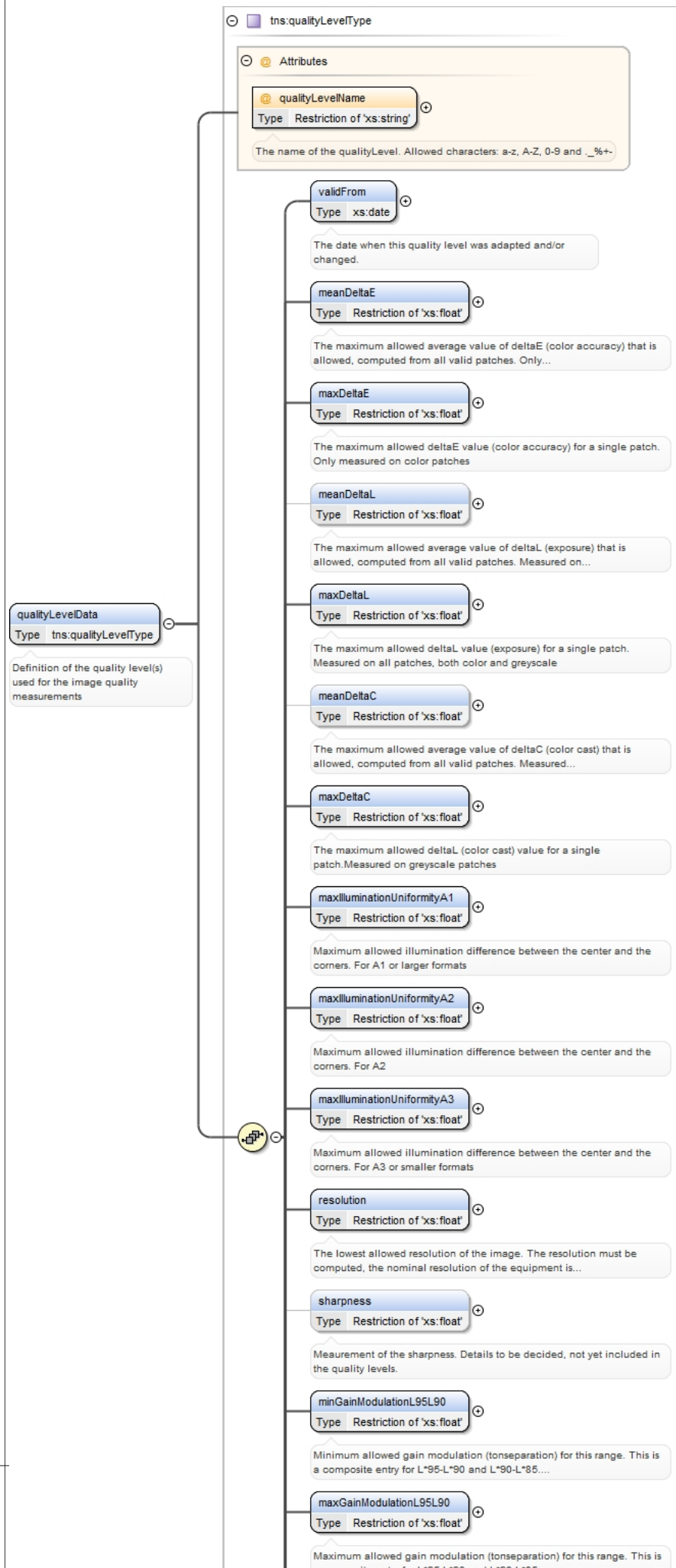
Element `tns:imageQualityControlDataType` / `tns:qualityData`

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> <tns:qualityData xmlns:tns="kb.se/ns/image_capture_performance"> <tns:qualityLevelData qualityLevelName="">{1,unbounded}</tns:qualityLevelData> <tns:targetData dateOfMeasurement="" nameOfTarget="">{1,unbounded}</tns:targetData> <tns:selectionBatchData selectionBatchID="">{1,1}</tns:selectionBatchData> </tns:qualityData> </pre>
Source	<pre> <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> </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:sharpness{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:resolution, tns:sharpness, tns:validFrom			
Instance	<pre><tns:qualityLevelData qualityLevelName="" xmlns:tns="kb.se/ns/image_capture_performance"> <tns:validFrom>{1,1}</tns:validFrom> <tns:meanDeltaE>{1,1}</tns:meanDeltaE> <tns:maxDeltaE>{1,1}</tns:maxDeltaE> <tns:meanDeltaL>{0,1}</tns:meanDeltaL> <tns:maxDeltaL>{1,1}</tns:maxDeltaL> <tns:meanDeltaC>{0,1}</tns:meanDeltaC> <tns:maxDeltaC>{1,1}</tns:maxDeltaC> <tns:maxIlluminationUniformityA1>{1,1}</tns:maxIlluminationUniformityA1> <tns:maxIlluminationUniformityA2>{1,1}</tns:maxIlluminationUniformityA2> <tns:maxIlluminationUniformityA3>{1,1}</tns:maxIlluminationUniformityA3> <tns:resolution>{1,1}</tns:resolution> <tns:sharpness>{0,1}</tns:sharpness> <tns:minGainModulationL95L90>{1,1}</tns:minGainModulationL95L90> <tns:maxGainModulationL95L90>{1,1}</tns:maxGainModulationL95L90> <tns:minGainModulationL95L80>{1,1}</tns:minGainModulationL95L80> <tns:maxGainModulationL95L80>{1,1}</tns:maxGainModulationL95L80> <tns:minGainModulationL85L20>{1,1}</tns:minGainModulationL85L20> <tns:maxGainModulationL85L20>{1,1}</tns:maxGainModulationL85L20> <tns:minGainModulationL85L10>{1,1}</tns:minGainModulationL85L10> <tns:maxGainModulationL85L10>{1,1}</tns:maxGainModulationL85L10> </tns:qualityLevelData></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><xs:element type="tns:qualityLevelType" name="qualityLevelData" maxOccurs="unbounded"> <xs:annotation> <xs:documentation xml:lang="eng">Definition of the quality level(s) used for the image quality measurements</xs:documentation> </xs:annotation> </xs:element></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	The diagram illustrates the relationship between the <code>validFrom</code> element and the <code>xs:date</code> primitive type. The <code>validFrom</code> element is shown as a box with a circle, connected to the <code>xs:date</code> primitive type box. A callout box explains that <code>xs:date</code> is a built-in primitive type representing a calendar date. Another callout box explains that <code>validFrom</code> is the date when this quality level was adapted and/or changed.
Type	xs:date
Properties	content: simple
Source	<pre> <xs:element type="xs:date" name="validFrom"> <xs:annotation> <xs:documentation xml:lang="eng">The date when this quality level was adapted and/or changed.</xs:documentation> </xs:annotation> </xs:element> </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	The maximum allowed average value of deltaE (color accuracy) that is allowed, computed from all valid patches. Only...
Type	restriction of xs:float
Properties	content: simple
Facets	maxInclusive 347 minInclusive 0
Source	<pre> <xs:element name="meanDeltaE"> <xs:annotation> <xs:documentation xml:lang="eng">The maximum allowed average value of deltaE (color accuracy) that is allowed, computed from all valid patches. Only measured on color patches</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:float"> <xs:minInclusive value="0"/> <xs:maxInclusive value="347"/> </xs:restriction> </xs:simpleType> </xs:element> </pre>

Element tns:qualityLevelType / tns:maxDeltaE

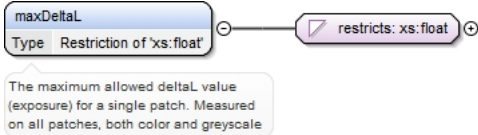
Namespace	kb.se/ns/image_capture_performance
Annotations	The maximum allowed deltaE value (color accuracy) for a single patch. Only measured on color patches
Diagram	The maximum allowed deltaE value (color accuracy) for a single patch. Only measured on color patches
Type	restriction of xs:float
Properties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

Element tns:qualityLevelType / tns:meanDeltaL

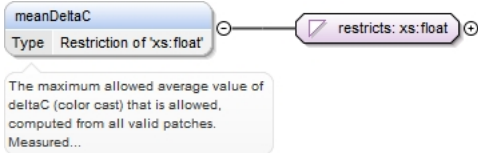
Namespace	kb.se/ns/image_capture_performance
Annotations	The maximum allowed average value of deltaL (exposure) that is allowed, computed from all valid patches. Measured on all patches, both color and greyscale
Diagram	The maximum allowed average value of deltaL (exposure) that is allowed, computed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

Type	restriction of xs:float	
Properties	content:	simple
	minOccurs:	0
Facets	maxInclusive	200
	minInclusive	0
Source	<pre> <xs:element name="meanDeltaL" minOccurs="0"> <xs:annotation> <xs:documentation xml:lang="eng">The maximum allowed average value of deltaL (exposure) that is allowed, computed from all valid patches. Measured on all patches, both color and greyscale</ 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> </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> <xs:element name="maxDeltaL"> <xs:annotation> <xs:documentation xml:lang="eng">The maximum allowed deltaL value (exposure) for a single patch. Measured on all patches, both color and greyscale</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> </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> <xs:element name="meanDeltaC" minOccurs="0"> <xs:annotation> <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> </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	maxInclusive 283 minInclusive 0
Source	<pre> <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> </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	maxInclusive 200 minInclusive 0
Source	<pre> <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> </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><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></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><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></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:float
Properties	content: simple
Facets	minInclusive 0
Source	<pre> <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:float"> <xs:minInclusive value="0"/> </xs:restriction> </xs:simpleType> </xs:element> </pre>

Element tns:qualityLevelType / tns:sharpness

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 minOccurs: 0
Facets	minInclusive 0
Source	<pre> <xs:element minOccurs="0" name="sharpness"> <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> </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> <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> </pre>
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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> <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> </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> <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 intended 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> </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	
Type	restriction of xs:float
Properties	content: simple
Facets	minInclusive 0
Source	<pre> <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> </pre>

Element tns:qualityLevelType / tns:minGainModulationL85L20

Namespace	kb.se/ns/image_capture_performance
Annotations	Minimum allowed gain modulation (tonseparation) for this range.
Diagram	
Type	restriction of xs:float
Properties	content: simple
Facets	minInclusive 0
Source	<pre> <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> </pre>

Element tns:qualityLevelType / tns:maxGainModulationL85L20

Namespace	kb.se/ns/image_capture_performance
Annotations	Maximum allowed gain modulation (tonseparation) for this range.
Diagram	
Type	restriction of xs:float
Properties	content: simple

Facets	minInclusive 0
Source	<pre> <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> </pre>

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

Namespace	kb.se/ns/image_capture_performance
Annotations	Minimum allowed gain modulation (tonseparation) for this range.
Diagram	
Type	restriction of xs:float
Properties	content: simple
Facets	minInclusive 0
Source	<pre> <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> </pre>

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

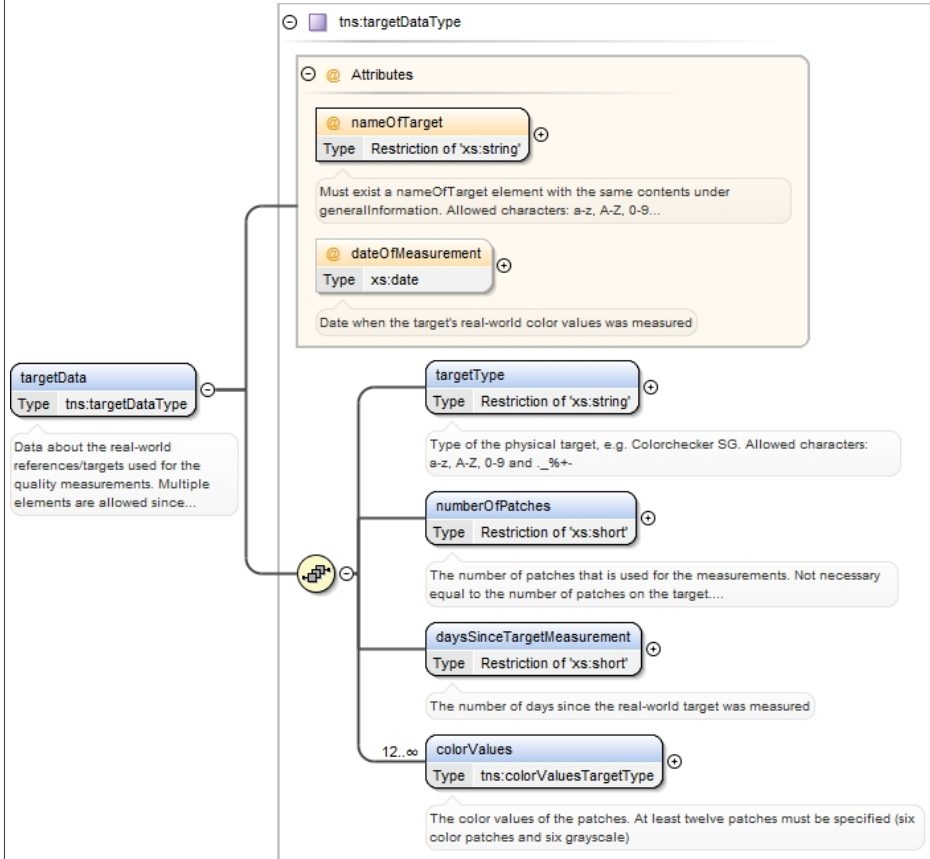
Namespace	kb.se/ns/image_capture_performance
Annotations	Maximum allowed gain modulation (tonseparation) for this range.
Diagram	
Type	restriction of xs:float
Properties	content: simple
Facets	minInclusive 0
Source	<pre> <xs:element name="maxGainModulationL85L10"> <xs:annotation> <xs:documentation xml:lang="eng">Maximum 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> </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:targetType , tns:numberOfPatches , tns:daysSinceTargetMeasurement , tns:colorValues{12,unbounded}

Children: tns:colorValues, tns:daysSinceTargetMeasurement, tns:numberOfPatches, tns:targetType

Instance:

```
<tns:targetData dateOfMeasurement="" nameOfTarget="" xmlns:tns="kb.se/ns/image_capture_performance">
  <tns:targetType>{1,1}</tns:targetType>
  <tns:numberOfPatches>{1,1}</tns:numberOfPatches>
  <tns:daysSinceTargetMeasurement>{1,1}</tns:daysSinceTargetMeasurement>
  <tns:colorValues patchID="">{12,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:targetType

Namespace	kb.se/ns/image_capture_performance
Annotations	Type 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> <xs:element name="targetType"> <xs:annotation> <xs:documentation xml:lang="eng">Type of the physical target, 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:pattern value=""/> </xs:restriction> </xs:simpleType> </xs:element> </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 12
Source	<pre> <xs:element name="numberOfPatches"> <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. Set to twelve or higher (for Digidaily), six color patches and six grayscale patches</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:short"> <xs:minInclusive value="12"/> </xs:restriction> </xs:simpleType> </xs:element> </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> <xs:element name="daysSinceTargetMeasurement"> <xs:annotation> <xs:documentation xml:lang="eng">The number of days since the real-world target was measured</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:short"> <xs:minInclusive value="0"/> </xs:restriction> </xs:simpleType> </xs:element> </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)			
Diagram				
Type	tns:colorValuesTargetType			
Properties	content:	complex		
	minOccurs:	12		
	maxOccurs:	unbounded		
Model	tns:L , tns:A , tns:B			
Children	tns:A, tns:B, tns:L			
Instance	<pre><tns:colorValues patchID="" xmlns:tns="kb.se/ns/image_capture_performance"> <tns:L>{1,1}</tns:L> <tns:A>{1,1}</tns:A> <tns:B>{1,1}</tns:B> </tns:colorValues></pre>			
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	<pre><xs:element maxOccurs="unbounded" minOccurs="12" name="colorValues" type="tns:colorValuesTargetType"> <xs:annotation> <xs:documentation xml:lang="eng">The color values of the patches. At least twelve patches must be specified (six color patches and six grayscale)</xs:documentation> </xs:annotation> </xs:element></pre>			

Element tns:colorValuesTargetType / tns:L

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

Element `tns:selectionBatchDataType` / `tns:batchID`

Namespace	kb.se/ns/image_capture_performance		
Annotations	The id for the batch that the issue belongs to. OBS. Vilken datatyp ska det vara?		
Diagram			

Type	xs:string
Properties	content: simple
Source	<pre><xs:element name="batchID" type="xs:string"> <xs:annotation> <xs:documentation xml:lang="eng">The id for the batch that the issue belongs to. OBS. Vilken datatyp ska det vara?</xs:documentation> </xs:annotation> </xs:element></pre>

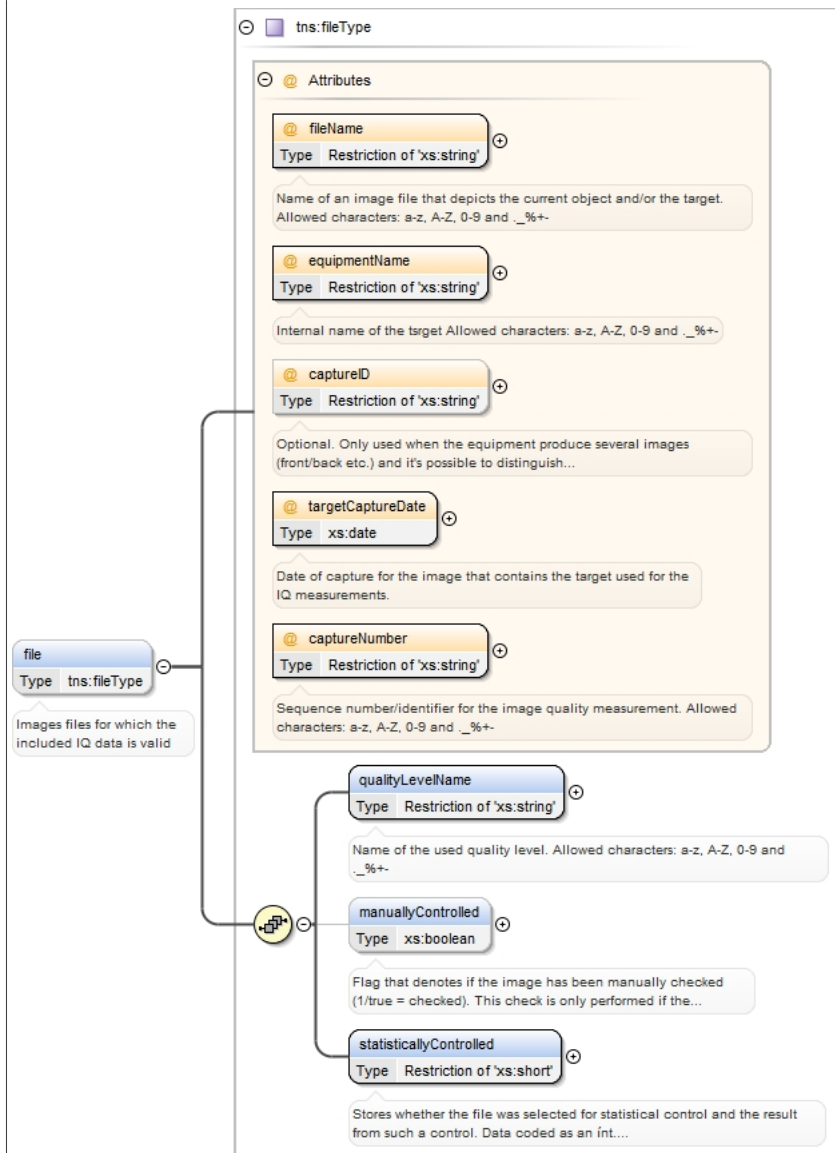
Element `tns:imageQualityControlDataType` / `tns:fileList`

Namespace	kb.se/ns/image_capture_performance
Diagram	
Type	tns:fileListType
Properties	content: complex
Model	tns:file*
Children	tns:file
Instance	<pre><tns:fileList xmlns:tns="kb.se/ns/image_capture_performance"> <tns:file captureID="" captureNumber="" equipmentName="" fileName="" targetCaptureDate="">{0, unbounded}</tns:file> </tns:fileList></pre>
Source	<pre><xs:element type="tns:fileListType" name="fileList"> </xs:element></pre>

Element `tns:fileListType` / `tns:file`

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

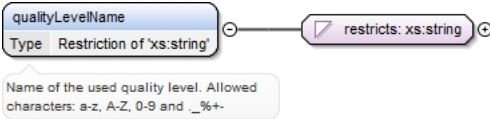
Diagram



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><tns:file captureID="" captureNumber="" equipmentName="" fileName="" targetCaptureDate="" xmlns:tns="http://www.kb.se/ns/image_capture_performance"> <tns:qualityLevelName>{1,1}</tns:qualityLevelName> <tns:manuallyControlled>{0,1}</tns:manuallyControlled> <tns:statisticallyControlled>{1,1}</tns:statisticallyControlled> </tns:file></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		

	QName	Type	Use	
		measurement. Allowed characters: a-z, A-Z, 0-9 and ._%+-		
	equipmentName	restriction of xs:string	required	
		Internal name of the tsrget Allowed characters: a-z, A-Z, 0-9 and ._%+-		
	fileName	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 ._%+-		
	targetCaptureDate	xs:date	required	
		Date of capture for the image that contains the target used for the IQ measurements.		
Source	<pre><xs:element type="tns:fileType" name="file" maxOccurs="unbounded" minOccurs="0"> <xs:annotation> <xs:documentation xml:lang="eng">Images files for which the included IQ data is valid</ xs:documentation> </xs:annotation> </xs:element></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			
Type	restriction of xs:string		
Properties	content:	simple	
Facets	pattern	[a-zA-Z0-9._%+-]+	
Source	<pre><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></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	manuallyControlled Type xs:boolean Flag that denotes if the image has been manually checked (1/true = checked). This check is only performed if the... Built-in primitive type. It defines the boolean values true and false.		
Type	xs:boolean		
Properties	content:	simple	
	minOccurs:	0	
Source	<pre><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></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> <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: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> </pre>						

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

Namespace	kb.se/ns/image_capture_performance										
Diagram											
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><xs:element maxOccurs="unbounded" minOccurs="0" name="fileName"> <xs:complexType> <xs:simpleContent> <xs:extension base="xs:string"> <xs:attribute name="result" type="xs:boolean" form="unqualified" use="required"/> </xs:extension> </xs:simpleContent> </xs:complexType> </xs:element></pre>										

Complex Type(s)

Complex Type tns:imageQualityControlDataType

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> </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									
Source	<pre> <xs:complexType name="imageQualityControlDataType"> <xs:sequence> <xs:element type="tns:imageDataType" name="imageData" maxOccurs="unbounded" minOccurs="1"> <xs:annotation> <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> </xs:annotation> <xs:key name="nameOfTargetKey"> <xs:annotation> <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> </xs:annotation> <xs:selector xpath="./tns:generalInformation/tns:targetData"/> <xs:field xpath="@nameOfTarget"/> </xs:key> <xs:keyref refer="tns:nameOfTargetKey" name="refToTargetNameFormIlluminationUniformity"> <xs:selector xpath="./tns:generalInformation/tns:illuminationUniformity"/> <xs:field xpath="@nameOfTarget"/> </xs:keyref> <xs:keyref refer="tns:nameOfTargetKey" name="refToTargetNameFromPeriodicMeasurement"> <xs:selector xpath="./tns:generalInformation/tns:periodicMeasurement"/> <xs:field xpath="@nameOfTarget"/> </xs:keyref> <xs:keyref refer="tns:nameOfTargetKey" name="refToTargetNameFromPatchMeasurements"> <xs:selector xpath="./tns:patchMeasurements"/> <xs:field xpath="@nameOfTarget"/> </xs:keyref> <xs:keyref refer="tns:nameOfTargetKey" name="refToTargetNameFromAggregateMeasurements"> <xs:selector xpath="./tns:aggregateMeasurements"/> <xs:field xpath="@nameOfTarget"/> </xs:keyref> </xs:element> <xs:element type="tns:qualityDataType" name="qualityData"> <xs:annotation> <xs:documentation>Reference data for the quality measurements</xs:documentation> </xs:annotation> </xs:element> <xs:element type="tns:fileListType" name="fileList"> <xs:annotation> <xs:documentation>Reference data for the quality measurements</xs:documentation> </xs:annotation> </xs:element> </xs:sequence> </xs:complexType> </pre>										

```

</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:imageQuailtyControlDataType/tns:imageData		
Model	tns:generalInformation , tns:patchMeasurements , tns:aggregateMeasurements			
Children	tns:aggregateMeasurements, tns:generalInformation, tns:patchMeasurements			
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.		

QName	Type	Use	
	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	<pre> <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 image quality measurements with a time frame of validity that is longer than a single day</xs:documentation> </xs:annotation> </xs:element> <xs:element type="tns:patchMeasurementsType" name="patchMeasurements"> <xs:annotation> <xs:documentation xml:lang="eng">Parent element for the measurement data for all individual patches.</xs:documentation> </xs:annotation> </xs:element> <xs:element type="tns:aggregateMeasurementsType" name="aggregateMeasurements"> <xs:annotation> <xs:documentation xml:lang="eng">Parent element for all aggregate measurements.</ 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 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 ._%+-</ 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> </pre>		

```

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

```

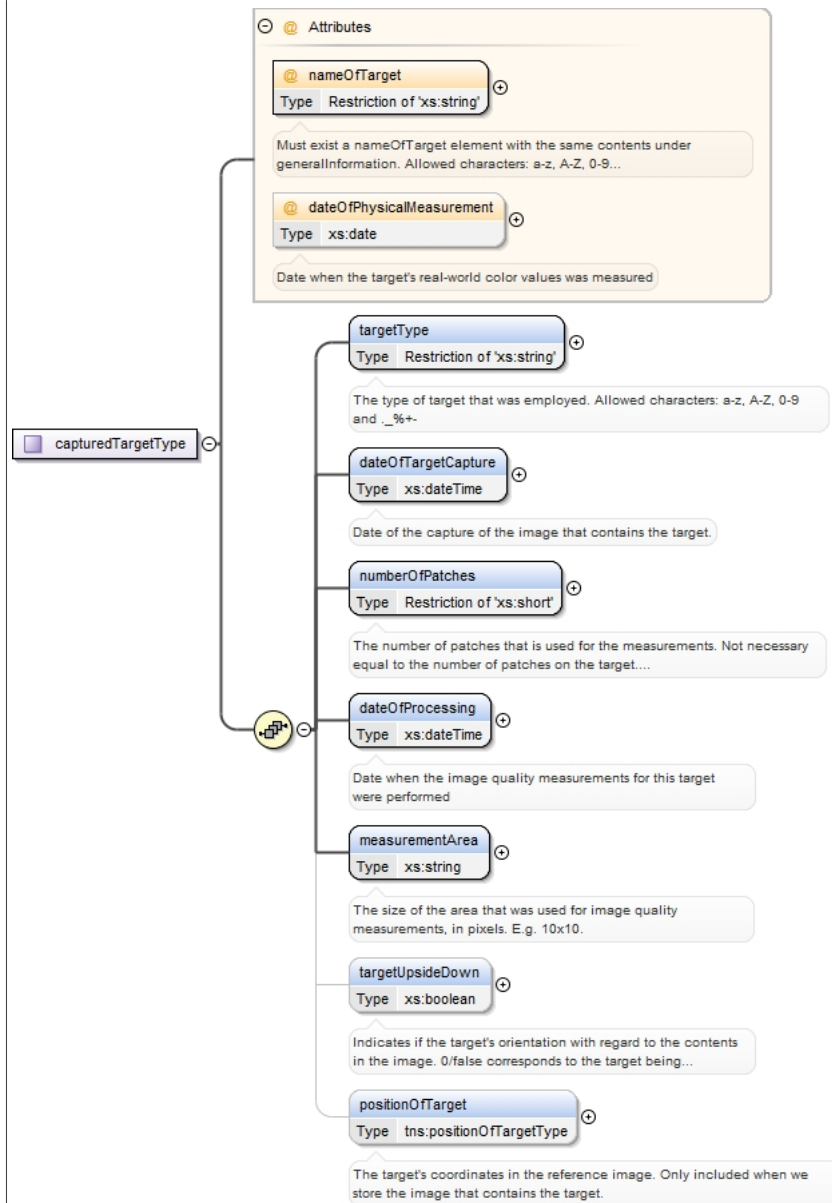
Complex Type tns:generalInformationType

Namespace	kb.se/ns/image_capture_performance
Diagram	
Used by	Element tns:imageDataType/tns:generalInformation
Model	tns:equipmentModel , tns:targetData+ , tns:illuminationUniformity , tns:periodicMeasurement*
Children	tns:equipmentModel, tns:illuminationUniformity, tns:periodicMeasurement, tns:targetData
Source	<pre> <xs:complexType name="generalInformationType"> <xs:sequence> <xs:element name="equipmentModel"> <xs:annotation> <xs:documentation xml:lang="eng">The model 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:element> <xs:element name="targetData" type="tns:capturedTargetType" maxOccurs="unbounded" /> <xs:element name="illuminationUniformity" type="tns:illuminationUniformityType"> <xs:annotation> <xs:documentation xml:lang="eng">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</xs:documentation> </xs:annotation> <xs:unique name="uniqueSize"> <xs:selector xpath="./tns:illuminationUniformityValue"/> <xs:field xpath="@size"/> </xs:unique> </xs:element> <xs:element name="periodicMeasurement" type="tns:periodicMeasurement" maxOccurs="unbounded" minOccurs="0"> <xs:annotation> <xs:documentation xml:lang="eng">Generic complex type for periodic measurement, e.g. sharpness, stitching.</xs:documentation> </xs:annotation> </xs:element> </xs:sequence> </xs:complexType> </pre>

Complex Type tns:capturedTargetType

Namespace	kb.se/ns/image_capture_performance
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Diagram



Used by	tns:generalInformationType/tns:targetData			
Model	tns:targetType , tns:dateOfTargetCapture , tns:numberOfPatches , tns:dateOfProcessing , tns:measurementArea , tns:targetUpsideDown{0,1} , tns:positionOfTarget{0,1}			
Children	tns:dateOfProcessing, tns:dateOfTargetCapture, tns:measurementArea, tns:numberOfPatches, tns:positionOfTarget, tns:targetType, 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	<pre><xs:complexType name="capturedTargetType"> <xs:sequence> <xs:element name="targetType"> <xs:annotation> <xs:documentation xml:lang="eng">The type of target that was employed. Allowed characters: a-z, A-Z, 0-9 and ._%+-</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:string"></pre>			

```

        <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="12"/>
      </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: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: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	<pre> classDiagram class positionOfTargetType { coordinateType corner } class coordinateType { <<coordinateType>> } positionOfTargetType "1" -- "4" coordinateType : corner </pre>
Used by	Element tns:capturedTargetType/tns:positionOfTarget
Model	tns:corner{4,4}

Children	tns:corner
Source	<pre> <xs:complexType name="positionOfTargetType"> <xs:sequence> <xs:element type="tns:coordinateType" name="corner" maxOccurs="4" minOccurs="4"> <xs:annotation> <xs:documentation xml:lang="eng">Coordinates for one corner of the target. Assumes a rectangular target. Only used when the target image is stored.</xs:documentation> </xs:annotation> </xs:element> </xs:sequence> </xs:complexType> </pre>

Complex Type tns:coordinateType

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

Complex Type tns:illuminationUniformityType

Namespace	kb.se/ns/image_capture_performance															
Diagram																
Used by	Element	tns:generalInformationType/tns:illuminationUniformity														
Model	tns:illuminationUniformityValue , tns:dateOfIlluminationMeasurement , tns:daysSinceIlluminationMeasurement															
Children	tns:dateOfIlluminationMeasurement, tns:daysSinceIlluminationMeasurement, tns:illuminationUniformityValue															
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><xs:complexType name="illuminationUniformityType"> <xs:sequence> <xs:sequence minOccurs="1" maxOccurs="3"> <xs:element name="illuminationUniformityValue" maxOccurs="1"> <xs:annotation> <xs:documentation xml:lang="eng">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.</xs:documentation> </xs:annotation> </xs:element> </xs:sequence> <xs:element name="dateOfIlluminationMeasurement" type="xs:dateTime"> <xs:annotation> <xs:documentation>Datetime of the last illumination measurement</xs:documentation> </xs:annotation> </xs:element> <xs:element name="daysSinceIlluminationMeasurement" type="restriction of 'xs:short'"> <xs:annotation> <xs:documentation>Days since the last illumination uniformity measurement</xs:documentation> </xs:annotation> </xs:element> </xs:sequence> <xs:attribute name="nameOfTarget" type="restriction of 'xs:string'" use="required"/> </xs:complexType></pre>															

```

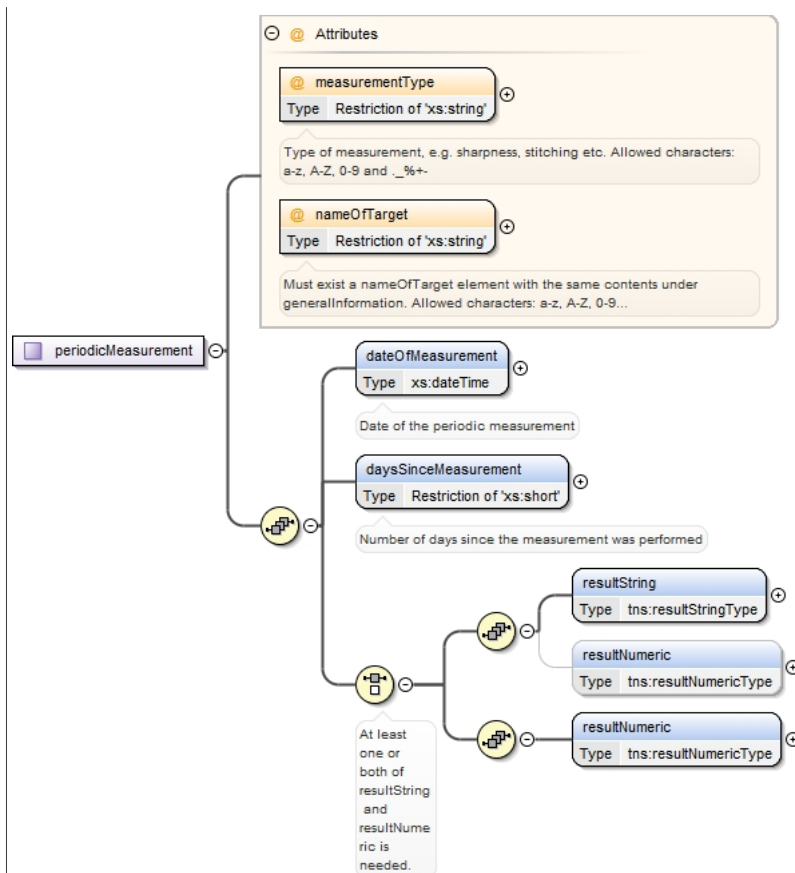
        </xs:annotation>
        <xs:complexType>
          <xs:simpleContent>
            <xs:extension base="tns:illuminationUniformityValueType">
              <xs:attribute name="size" use="required">
                <xs:simpleType>
                  <xs:restriction base="xs:string">
                    <xs:enumeration value="A1"/>
                    <xs:enumeration value="A2"/>
                    <xs:enumeration value="A3"/>
                  </xs:restriction>
                </xs:simpleType>
              </xs:attribute>
            </xs:extension>
          </xs:simpleContent>
        </xs:complexType>
      </xs:element>
    </xs:sequence>
    <xs:element name="dateOfIlluminationMeasurement" type="xs:dateTime">
      <xs:annotation>
        <xs:documentation xml:lang="eng">Datetime of the last illumination measurement</
xs:documentation>
      </xs:annotation>
    </xs:element>
    <xs:element name="daysSinceIlluminationMeasurement">
      <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>
  </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
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Diagram



Used by Element `tns:generalInformationType/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	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

```

<xs:complexType name="periodicMeasurement">
  <xs:sequence>
    <xs:element name="dateOfMeasurement" type="xs:dateTime">
      <xs:annotation>
        <xs:documentation xml:lang="eng">Date of the periodic measurement</xs:documentation>
      </xs:annotation>
    </xs:element>
    <xs:element name="daysSinceMeasurement">
      <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:choice>
  </xs:sequence>
</xs:complexType>

```

```

<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:patchMeasurementsType

Namespace	kb.se/ns/image_capture_performance												
Diagram	The diagram illustrates the structure of the <code>patchMeasurementsType</code> complex type. It consists of a sequence of elements: - An attribute <code>nameOfTarget</code> of type <code>Restriction of 'xs:string'</code>. An annotation states: "Must exist a nameOfTarget element with the same contents under generalInformation. Allowed characters: a-z, A-Z, 0-9..." - A sequence of <code>patch</code> elements of type <code>tns:patchType</code>. The cardinality is <code>12..∞</code>. An annotation states: "Image quality measurements for a single patch. At least twelve patches must be measured in Digidaily, six color patches..."												
Used by	Element	tns:imageDataType/tns:patchMeasurements											
Model	tns:patch{12,unbounded}												
Children	tns:patch												
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><xs:complexType name="patchMeasurementsType"> <xs:sequence> <xs:element type="tns:patchType" name="patch" maxOccurs="unbounded" minOccurs="12"> <xs:annotation> <xs:documentation xml:lang="eng">Image quality measurements for a single patch. At least twelve patches must be measured in Digidaily, six color patches and six grayscale patches.</ xs:documentation> </xs:annotation> </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:simpleType> <xs:restriction base="xs:string"> <xs:pattern value="[a-zA-Z0-9._%+-]"/> </xs:restriction> </xs:simpleType> </xs:attribute> </xs:complexType></pre>												

Complex Type **tns:patchType**

Namespace	kb.se/ns/image_capture_performance														
Diagram	The diagram illustrates the structure of the patchType complex type. It consists of a sequence of elements: patchID (restriction of xs:short), center (type tns:coordinateType), colorValues (type tns:colorValuesType), deltaE (restriction of xs:float), deltaL (restriction of xs:float), deltaC (restriction of xs:float), and noise (restriction of xs:float). Each element has a description box. The patchID attribute is also shown with its description.														
Used by	Element tns:patchMeasurementsType/tns:patch														
Model	tns:center {0,1} , tns:colorValues , tns:deltaE , tns:deltaL {0,1} , tns:deltaC {0,1} , tns:noise {0,1}														
Children	tns:center , tns:colorValues , tns:deltaC , tns:deltaE , tns:deltaL , tns:noise														
Attributes	<table border="1"> <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> <tr> <td></td><td colspan="3">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</td></tr> </tbody> </table>			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		
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> <xs:complexType name="patchType"> <xs:sequence> <xs:element type="tns:coordinateType" name="center" minOccurs="0"> <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:element> <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"> <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="300"/> </xs:restriction> </xs:simpleType> </xs:element> <xs:element name="deltaC"> <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="300"/> </xs:restriction> </xs:simpleType> </xs:element> <xs:element name="noise"> <xs:annotation> <xs:documentation xml:lang="eng">Measured as the standard deviation in the Y-channel. This is currently the only RGB-based quality metric. The Y-channel...</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:sequence> </xs:complexType> </pre>														

```

<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:element name="noise" minOccurs="0">
  <xs:annotation>
    <xs:documentation xml:lang="eng">Measured as the standard deviation in the Y-channel. This
is currently the only RGB-based quality metric. The Y-channel is computed as Y=(0,299*R + 0,587*G +
0,114*B).</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="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	<pre> graph LR CV[tns:colorValuesType] --> L[L] CV --> A[A] CV --> B[B] L --- L1[Type Restriction of 'xs:float'] A --- A1[Type Restriction of 'xs:float'] B --- B1[Type Restriction of 'xs:float'] </pre>
Used by	Element tns:patchType/tns:colorValues
Model	tns:L , tns:A , tns:B
Children	tns:A, tns:B, tns:L
Source	<pre> <xs:complexType name="colorValuesType"> <xs:sequence> <xs:element name="L" minOccurs="1"> <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:simpleType> <xs:restriction base="xs:float"> <xs:minInclusive value="-100"/> </xs:restriction> </xs:simpleType> </xs:element> <xs:element name="B" minOccurs="1"> <xs:simpleType> <xs:restriction base="xs:float"> <xs:minInclusive value="-100"/> </xs:restriction> </xs:simpleType> </xs:element> </xs:sequence> </xs:complexType> </pre>

```

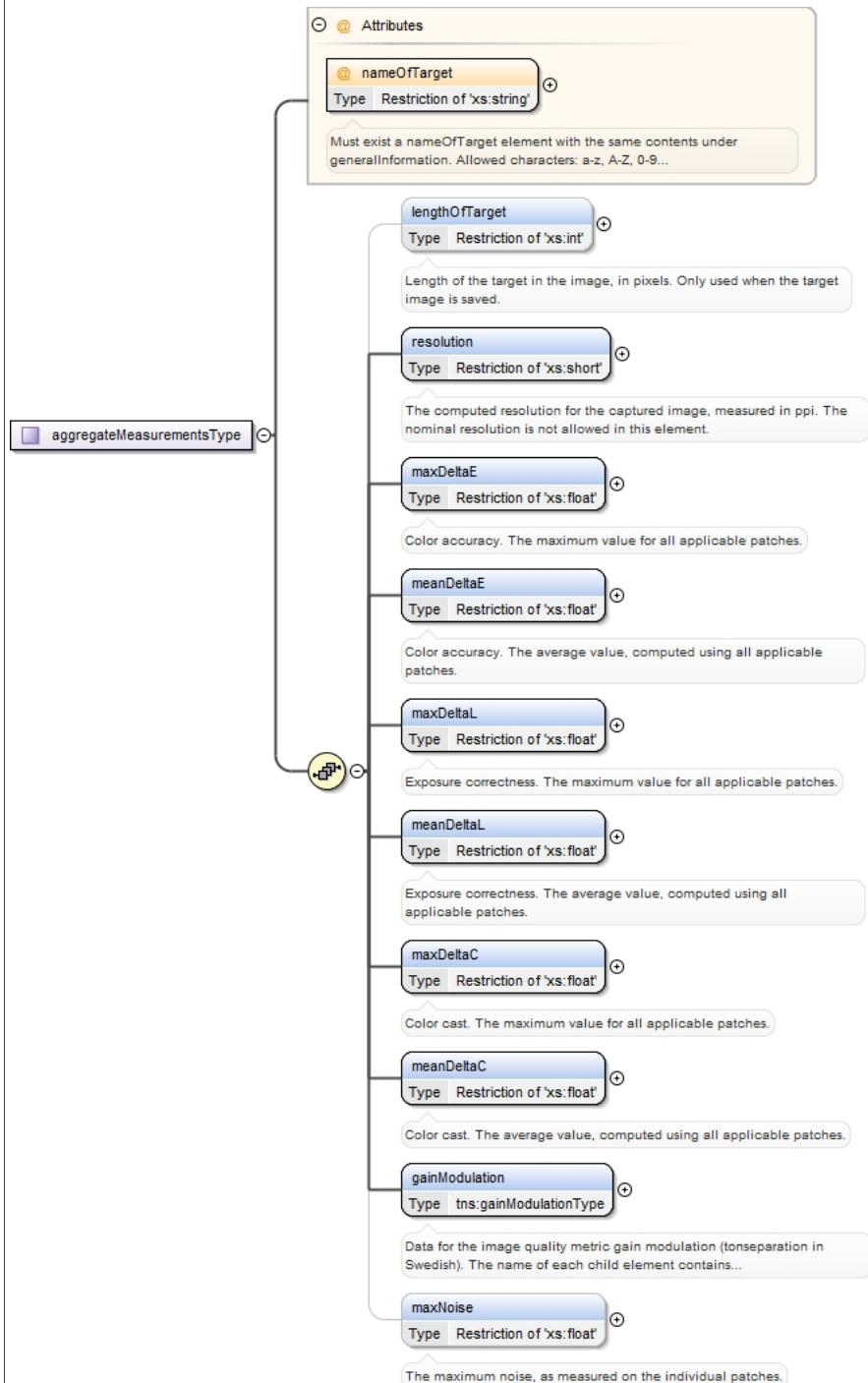
        <xs:maxInclusive value="100"/>
      </xs:restriction>
    </xs:simpleType>
  </xs:element>
  <xs:element name="B" minOccurs="1">
    <xs:simpleType>
      <xs:restriction base="xs:float">
        <xs:minInclusive value="-100"/>
        <xs:maxInclusive value="100"/>
      </xs:restriction>
    </xs:simpleType>
  </xs:element>
</xs:sequence>
</xs:complexType>

```

Complex Type tns:aggregateMeasurementsType

Namespace kb.se/ns/image_capture_performance

Diagram



Used by	Element tns:imageDataType/tns:aggregateMeasurements			
Model	tns:lengthOfTarget{0,1} , tns:resolution , tns:maxDeltaE , tns:meanDeltaE , tns:maxDeltaL , tns:meanDeltaL , tns:maxDeltaC , tns:meanDeltaC , tns:gainModulation , tns:maxNoise{0,1}			
Children	tns:gainModulation, tns:lengthOfTarget, tns:maxDeltaC, tns:maxDeltaE, tns:maxDeltaL, tns:maxNoise, tns:meanDeltaC, tns:meanDeltaE, tns:meanDeltaL, tns:resolution			
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><xs:complexType name="aggregateMeasurementsType"> <xs:sequence> <xs:element name="lengthOfTarget" minOccurs="0"> <xs:annotation> <xs:documentation xml:lang="eng">Length of the target in the image, in pixels. Only used when the target image is saved.</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:int"> <xs:minInclusive value="0"/> </xs:restriction> </xs:simpleType> </xs:element> <xs:element name="resolution"> <xs:annotation> <xs:documentation xml:lang="eng">The computed resolution for the captured image, measured in ppi. The nominal resolution is not allowed in this element.</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:short"> <xs:minInclusive value="0"/> </xs:restriction> </xs:simpleType> </xs:element> <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"/></pre>			

```

        <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 intervall and one large intervall should be performed.</
xs:documentation>
    </xs:annotation>
  </xs:element>
  <xs:element name="maxNoise" minOccurs="0">
    <xs:annotation>
      <xs:documentation xml:lang="eng">The maximum noise, as measured on the individual patches.</
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" 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:simpleType>
    <xs:restriction base="xs:string">
      <xs:pattern value="[a-zA-Z0-9._%+-]"/>
    </xs:restriction>
  </xs:simpleType>
</xs:attribute>
</xs:complexType>

```

Complex Type tns:gainModulationType

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

Diagram	
Used by	Element <code>tns:aggregateMeasurementsType/tns:gainModulation</code>
Model	$((tns:L95-L80, tns:L95-L90\{0,1\}) \mid (tns:L95-L90)) , ((tns:L85-L20, tns:L85-L10\{0,1\}) \mid (tns:L85-L10))$
Children	<code>tns:L85-L10</code> , <code>tns:L85-L20</code> , <code>tns:L95-L80</code> , <code>tns:L95-L90</code>
Source	<pre> <xs:complexType name="gainModulationType"> <xs:sequence> <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> </pre>

Complex Type `tns:L95-L80Type`

Namespace	<code>kb.se/ns/image_capture_performance</code>
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 <code>tns:gainModulationType/tns:L95-L80</code>
Model	<code>tns:value</code>

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><xs:complexType name="L95-L80Type"> <xs:annotation> <xs:documentation>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</xs:documentation> </xs:annotation> <xs:sequence> <xs:element name="value"> <xs:simpleType> <xs:restriction base="xs:float"> <xs:minInclusive value="0"/> </xs:restriction> </xs:simpleType> </xs:element> </xs:sequence> <xs:attribute name="measuredSeparation"> <xs:annotation> <xs:documentation>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.</xs:documentation> </xs:annotation> </xs:attribute> </xs:complexType></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><xs:complexType name="L95-L90Type"> <xs:annotation> <xs:documentation>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:sequence> <xs:element name="value"> <xs:simpleType> <xs:restriction base="xs:float"> <xs:minInclusive value="0"/> </xs:restriction> </xs:simpleType> </xs:element> </xs:sequence> <xs:attribute name="measuredSeparation"> <xs:annotation></pre>			

```

<xs:documentation>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.</
xs:documentation>
</xs:annotation>
</xs:attribute>
</xs:complexType>

```

Complex Type tns:L85-L20Type

Namespace	kb.se/ns/image_capture_performance			
Annotations				
Diagram				
Used by	Element	tns:gainModulationType/tns:L85-L20		
Model	tns:value			
Children	tns:value			
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><xs:complexType name="L85-L20Type"> <xs:annotation> <xs:documentation/> </xs:annotation> <xs:sequence> <xs:element name="value"> <xs:simpleType> <xs:restriction base="xs:float"> <xs:minInclusive value="0"/> </xs:restriction> </xs:simpleType> </xs:element> </xs:sequence> <xs:attribute name="measuredSeparation"> <xs:annotation> <xs:documentation>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.</ xs:documentation> </xs:annotation> </xs:attribute> </xs:complexType></pre>			

Complex Type tns:L85-L10Type

Namespace	kb.se/ns/image_capture_performance		
Annotations			
Diagram	The diagram illustrates the structure of the <code>L85-L10Type</code> complex type. It is composed of two parts connected by a sequence container (indicated by a circle with a plus sign): Attributes: A box containing a single attribute named <code>measuredSeparation</code>. A callout points to this attribute with the text: "The actual interval/separation that was used for the measurement. L*85-L*10 is the target, but the target patches might..." Value: A box labeled <code>value</code> with a type restriction of <code>Restriction of 'xs:float'</code>.		
Used by	Element	tns:gainModulationType/tns:L85-L10	
Model	tns:value		
Children	tns:value		

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	<pre><xs:complexType name="L85-L10Type"> <xs:annotation> <xs:documentation/> </xs:annotation> <xs:sequence> <xs:element name="value"> <xs:simpleType> <xs:restriction base="xs:float"> <xs:minInclusive value="0"/> </xs:restriction> </xs:simpleType> </xs:element> </xs:sequence> <xs:attribute name="measuredSeparation"> <xs:annotation> <xs:documentation>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.</xs:documentation> </xs:annotation> </xs:attribute> </xs:complexType></pre>			

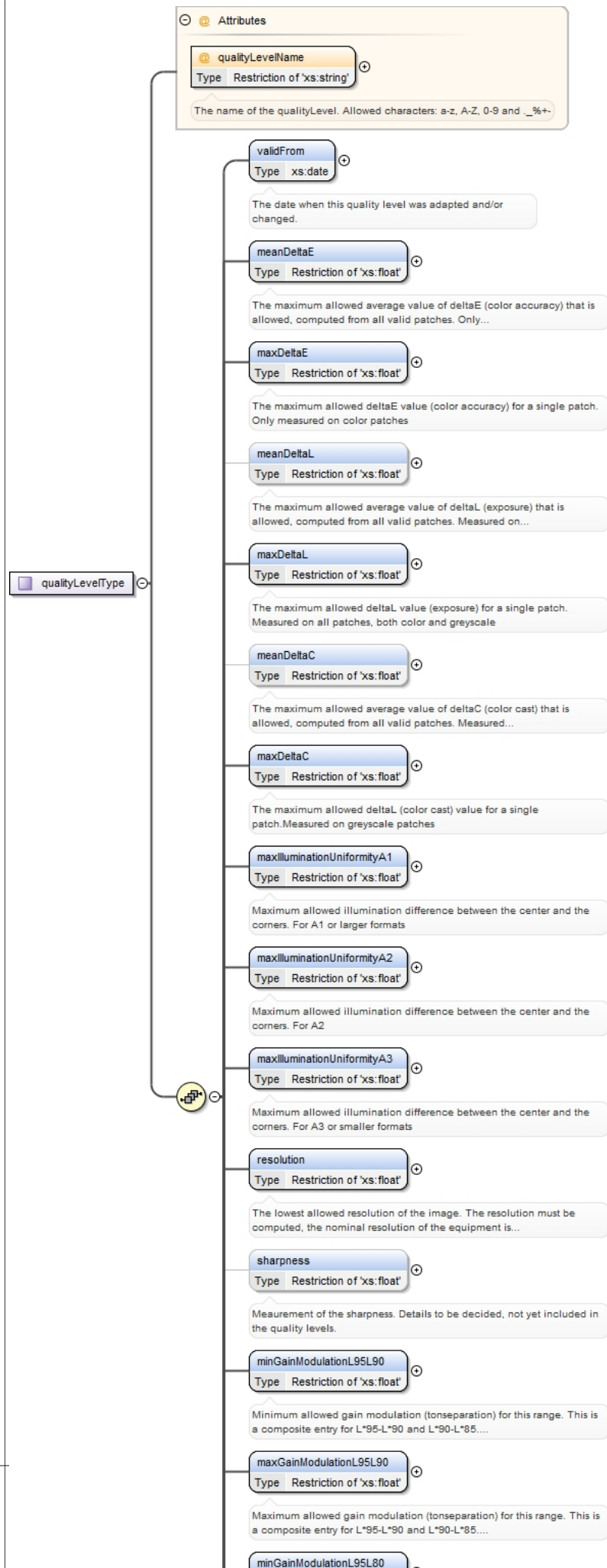
Complex Type tns:qualityDataType

Namespace	kb.se/ns/image_capture_performance		
Diagram	<pre>graph LR qd[qualityDataType] -- "1..∞" --> ql[qualityLevelData] qd -- "1..∞" --> tg[targetData] qd -- "1..∞" --> sb[selectionBatchData]</pre> qualityLevelData Type tns:qualityLevelType Definition of the quality level(s) used for the image quality measurements targetData Type tns:targetDataType Data about the real-world references/targets used for the quality measurements. Multiple elements are allowed since... selectionBatchData Type tns:selectionBatchDataType Batch data related to the issue and the statistical quality control. See related documentation for more information		
Used by	Element	tns:imageQuailtyControlDataType/tns:qualityData	
Model	tns:qualityLevelData+ , tns:targetData+ , tns:selectionBatchData		
Children	tns:qualityLevelData, tns:selectionBatchData, tns:targetData		
Source	<pre><xs:complexType name="qualityDataType"> <xs:sequence> <xs:element type="tns:qualityLevelType" name="qualityLevelData" maxOccurs="unbounded"> <xs:annotation> <xs:documentation xml:lang="eng">Definition of the quality level(s) used for the image quality measurements</xs:documentation> </xs:annotation> </xs:element> <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 qauality 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> <xs:element name="selectionBatchData" type="tns:selectionBatchDataType"> <xs:annotation> <xs:documentation xml:lang="eng">Batch data related to the issue and the statistical quality control. See related documentation for more information</xs:documentation> </xs:annotation> </xs:element> </xs:sequence> </xs:complexType></pre>		

Complex Type tns:qualityLevelType

Namespace	kb.se/ns/image_capture_performance
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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:sharpness{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:resolution, tns:sharpness, 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><xs:complexType name="qualityLevelType"> <xs:sequence> <xs:element type="xs:date" name="validFrom"> <xs:annotation> <xs:documentation xml:lang="eng">The date when this quality level was adapted and/or changed.</xs:documentation> </xs:annotation> </xs:element> <xs:element name="meanDeltaE"> <xs:annotation> <xs:documentation xml:lang="eng">The maximum allowed average value of deltaE (color accuracy) that is allowed, computed from all valid patches. Only measured on color patches</ xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:float"> <xs:minInclusive value="0"/> <xs:maxInclusive value="347"/> </xs:restriction> </xs:simpleType> </xs:element> <xs:element name="maxDeltaE"> <xs:annotation> <xs:documentation xml:lang="eng">The maximum allowed deltaE value (color accuracy) for a single patch. Only measured on color patches</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:float"> <xs:minInclusive value="0"/> <xs:maxInclusive value="347"/> </xs:restriction> </xs:simpleType> </xs:element> <xs:element name="meanDeltaL" minOccurs="0"> <xs:annotation> <xs:documentation xml:lang="eng">The maximum allowed average value of deltaL (exposure) that is allowed, computed from all valid patches. Measured on all patches, both color and greyscale</ 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="maxDeltaL"> <xs:annotation> <xs:documentation xml:lang="eng">The maximum allowed deltaL value (exposure) for a single patch. Measured on all patches, both color and greyscale</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="meanDeltaC" minOccurs="0"> <xs:annotation></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:float">
            <xs:minInclusive value="0"/>
        </xs:restriction>
    </xs:simpleType>
</xs:element>
<xs:element minOccurs="0" name="sharpness">
    <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	The diagram illustrates the structure of the <code>tns:targetDataType</code> complex type. It is a sequence of the following elements: nameOfTarget: Type <code>Restriction of 'xs:string'</code>. Must exist a <code>nameOfTarget</code> element with the same contents under <code>generalInformation</code>. Allowed characters: <code>a-z, A-Z, 0-9...</code> dateOfMeasurement: Type <code>xs:date</code>. Date when the target's real-world color values was measured targetType: Type <code>Restriction of 'xs:string'</code>. Type of the physical target, e.g. Colorchecker SG. Allowed characters: <code>a-z, A-Z, 0-9 and ._%+-</code> numberOfPatches: Type <code>Restriction of 'xs:short'</code>. The number of patches that is used for the measurements. Not necessary equal to the number of patches on the target.... daysSinceTargetMeasurement: Type <code>Restriction of 'xs:short'</code>. The number of days since the real-world target was measured colorValues: Type <code>tns:colorValuesTargetType</code>. The color values of the patches. At least twelve patches must be specified (six color patches and six grayscale)																						
Used by	Element	tns:qualityDataType/tns:targetData																					
Model	tns:targetType , tns:numberOfPatches , tns:daysSinceTargetMeasurement , tns:colorValues{12,unbounded}																						
Children	tns:colorValues, tns:daysSinceTargetMeasurement, tns:numberOfPatches, tns:targetType																						
Attributes	<table><thead><tr><th>QName</th><th>Type</th><th>Use</th><th></th></tr></thead><tbody><tr><td>dateOfMeasurement</td><td>xs:date</td><td>optional</td><td></td></tr><tr><td></td><td colspan="3">Date when the target's real-world color values was measured</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		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 ._%+-				
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	<pre><xs:complexType name="targetDataType"> <xs:sequence> <xs:element name="targetType"> <xs:annotation></pre>																						

```

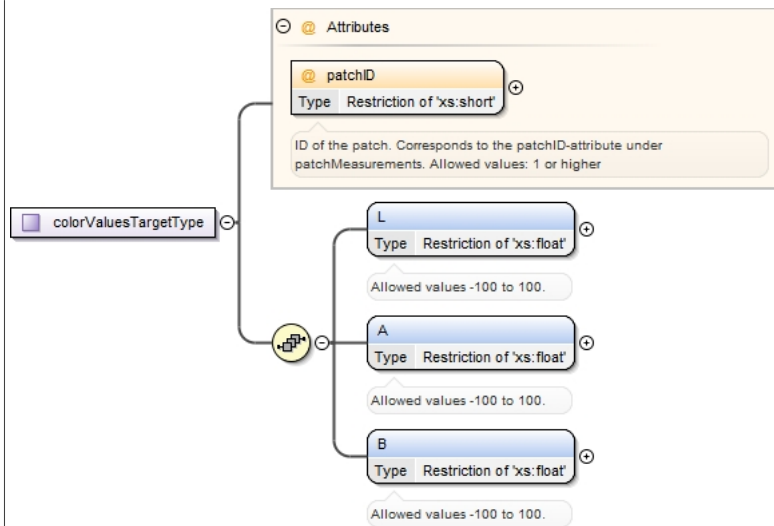
        <xs:documentation xml:lang="eng">Type of the physical target, e.g. Colorchecker SG. Allowed
characters: a-z, A-Z, 0-9 and ._%+</xs:documentation>
    </xs:annotation>
    <xs:simpleType>
        <xs:restriction base="xs:string">
            <xs:pattern value="[a-zA-Z0-9._%+-]+"\>
            <xs:pattern value=""\>
        </xs:restriction>
    </xs:simpleType>
</xs:element>
<xs:element name="numberOfPatches">
    <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. Set to twelve or higher (for
Digidaily), six color patches and six grayscale patches</xs:documentation>
    </xs:annotation>
    <xs:simpleType>
        <xs:restriction base="xs:short">
            <xs:minInclusive value="12"\>
        </xs:restriction>
    </xs:simpleType>
</xs:element>
<xs:element name="daysSinceTargetMeasurement">
    <xs:annotation>
        <xs:documentation xml:lang="eng">The number of days since the real-world target was
measured</xs:documentation>
    </xs:annotation>
    <xs:simpleType>
        <xs:restriction base="xs:short">
            <xs:minInclusive value="0"\>
        </xs:restriction>
    </xs:simpleType>
</xs:element>
<xs:element maxOccurs="unbounded" minOccurs="12" name="colorValues"
type="tns:colorValuesTargetType">
    <xs:annotation>
        <xs:documentation xml:lang="eng">The color values of the patches. At least twelve patches
must be specified (six color patches and six grayscale)</xs:documentation>
    </xs:annotation>
</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:simpleType>
        <xs:restriction base="xs:string">
            <xs:pattern value="[a-zA-Z0-9._%+-]+"\>
        </xs:restriction>
    </xs:simpleType>
</xs:attribute>
<xs:attribute name="dateOfMeasurement" 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:colorValuesTargetType

Namespace	kb.se/ns/image_capture_performance
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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	
	patchID	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 -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="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 Type xs:int"] selectionBatchID --- Note1["The ID for the selection batch that contains the batchID"] end batchID["batchID Type xs:string"] batchID --- Note2["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	<table><thead><tr><th>QName</th><th>Type</th><th>Use</th><th></th></tr></thead><tbody><tr><td>selectionBatchID</td><td>xs:int</td><td>optional</td><td></td></tr><tr><td></td><td colspan="3">The ID for the selection batch that contains the batchID</td></tr></tbody></table>	QName	Type	Use		selectionBatchID	xs:int	optional			The ID for the selection batch that contains the batchID		
QName	Type	Use											
selectionBatchID	xs:int	optional											
	The ID for the selection batch that contains the batchID												
Source	<pre><xs:complexType name="selectionBatchDataType"> <xs:sequence> <xs:element name="batchID" type="xs:string"> <xs:annotation> <xs:documentation xml:lang="eng">The id for the batch that the issue belongs to. OBS. Vilken datatyp ska det vara?</xs:documentation> </xs:annotation> </xs:element> </xs:sequence> <xs:attribute name="selectionBatchID" type="xs:int"> <xs:annotation> <xs:documentation xml:lang="eng">The ID for the selection batch that contains the batchID</ </xs:annotation> </xs:attribute> </xs:complexType></pre>												

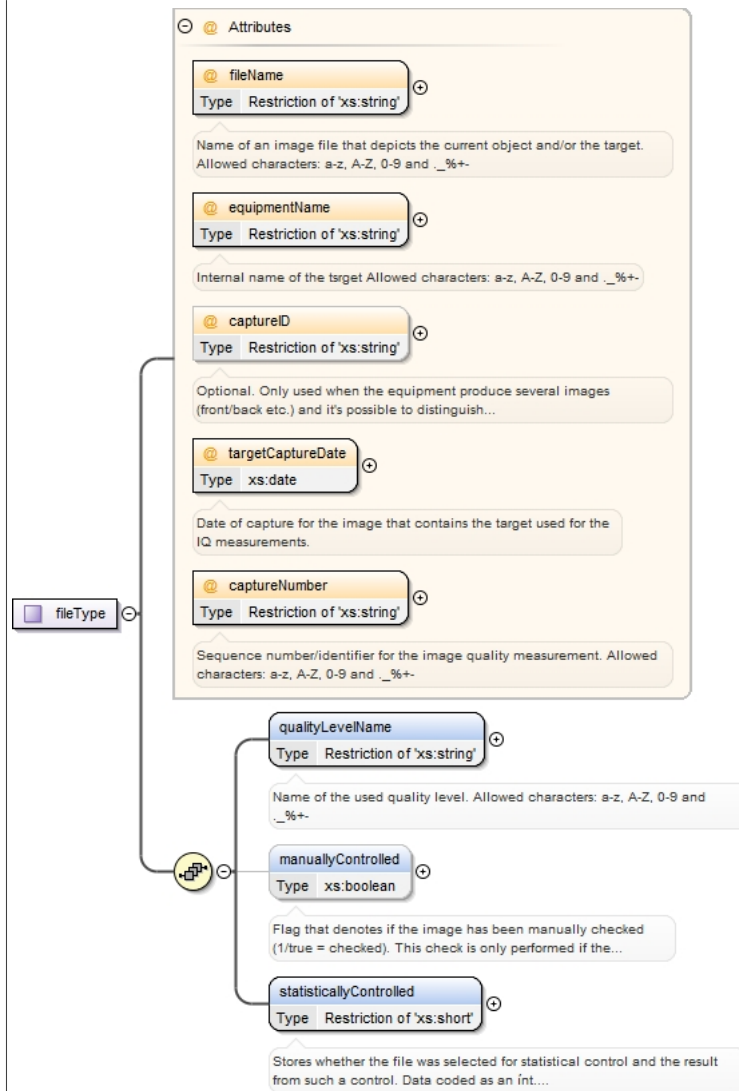
Complex Type tns:fileListType

Namespace	kb.se/ns/image_capture_performance		
Diagram	<pre>graph LR fileListType[fileListType] -- "0..∞" --> file[file] file --> tnsFileType[tns:fileType] fileListType -.-> note[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><xs:complexType name="fileListType"> <xs:sequence> <xs:element type="tns:fileType" name="file" maxOccurs="unbounded" minOccurs="0"> <xs:annotation> <xs:documentation xml:lang="eng">Images files for which the included IQ data is valid</ xs:documentation> </xs:annotation> </xs:element> </xs:sequence> </xs:complexType></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	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 measurement. Allowed characters: a-z, A-Z, 0-9 and ._%+~	
	equipmentName	restriction of xs:string	required
		Internal name of the target Allowed characters: a-z, A-Z, 0-9 and ._%+~	
	fileName	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 ._%+~	
	targetCaptureDate	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>

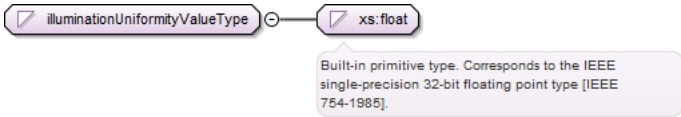
```

Complex Type tns:manuallyControlledFileType

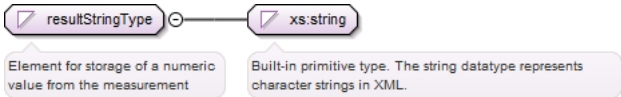
Namespace	kb.se/ns/image_capture_performance
Diagram	
Model	tns:fileName*
Children	tns:fileName
Source	<pre> <xs:complexType name="manuallyControlledFileType"> <xs:sequence> <xs:element maxOccurs="unbounded" minOccurs="0" name="fileName"> <xs:complexType> <xs:simpleContent> <xs:extension base="xs:string"> <xs:attribute name="result" type="xs:boolean" form="unqualified" use="required"/> </xs:extension> </xs:simpleContent> </xs:complexType> </xs:element> </xs:sequence> </xs:complexType> </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> <xs:simpleType name="illuminationUniformityValueType"> <xs:restriction base="xs:float"> <xs:minInclusive value="0"/> <xs:maxInclusive value="200"/> </xs:restriction> </xs:simpleType> </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> <xs:simpleType name="resultStringType"> <xs:annotation> <xs:documentation xml:lang="eng">Element for storage of a numeric value from the measurement</xs:documentation> </xs:annotation> <xs:restriction base="xs:string"> <xs:pattern value="[a-zA-Z0-9._%+-]+"\> </xs:restriction> </xs:simpleType> </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	Diagram illustrating the relationship between resultNumericType and xs:float. resultNumericType: Element for storage of a string that represents the result of the measurement. Allowed characters: a-z, A-Z, 0-9 and ._%+ - xs:float: Built-in primitive type. Corresponds to the IEEE single-precision 32-bit floating point type [IEEE 754-1985].
Type	xs:float
Used by	Element tns:periodicMeasurement/tns:resultNumeric
Source	<pre> <xs:simpleType name="resultNumericType"> <xs:annotation> <xs:documentation xml:lang="eng">Element for storage of a string that represents the result of the measurement. Allowed characters: a-z, A-Z, 0-9 and ._%+ -</xs:documentation> </xs:annotation> <xs:restriction base="xs:float"/> </xs:simpleType> </pre>

Namespace: ""

Attribute(s)

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

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> <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> </pre>

	</xs:attribute>
--	-----------------

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

Namespace	No namespace						
Type	restriction of xs:string						
Properties	use: required						
Facets	<table> <tr> <td>enumeration</td><td>A1</td></tr> <tr> <td>enumeration</td><td>A2</td></tr> <tr> <td>enumeration</td><td>A3</td></tr> </table>	enumeration	A1	enumeration	A2	enumeration	A3
enumeration	A1						
enumeration	A2						
enumeration	A3						
Used by	Element tns:illuminationUniformityType/tns:illuminationUniformityValue						
Source	<pre><xs:attribute name="size" use="required"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:enumeration value="A1"/> <xs:enumeration value="A2"/> <xs:enumeration value="A3"/> </xs:restriction> </xs:simpleType> </xs:attribute></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><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></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><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></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> <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> </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> <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> </pre>

Attribute tns:patchMeasurementsType / @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:patchMeasurementsType
Source	<pre> <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:simpleType> <xs:restriction base="xs:string"> <xs:pattern value="[a-zA-Z0-9._%+-]+"/> </xs:restriction> </xs:simpleType> </xs:attribute> </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><xs:attribute name="measuredSeparation"> <xs:annotation> <xs:documentation>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.</xs:documentation> </xs:annotation> </xs:attribute></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><xs:attribute name="measuredSeparation"> <xs:annotation> <xs:documentation>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.</ xs:documentation> </xs:annotation> </xs:attribute></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><xs:attribute name="measuredSeparation"> <xs:annotation> <xs:documentation>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.</ xs:documentation> </xs:annotation> </xs:attribute></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><xs:attribute name="measuredSeparation"> <xs:annotation> <xs:documentation>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.</ xs:documentation> </xs:annotation> </xs:attribute></pre>

Attribute tns:aggregateMeasurementsType / @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:aggregateMeasurementsType
Source	<pre> <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:simpleType> <xs:restriction base="xs:string"> <xs:pattern value="[a-zA-Z0-9._%+-]"/> </xs:restriction> </xs:simpleType> </xs:attribute> </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> <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> </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> <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> </pre>

Attribute tns:imageDataType / @captureID

Namespace	No namespace
Annotations	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 ._%+-
Type	restriction of xs:string
Properties	use: required
Facets	pattern [a-zA-Z0-9._%+-] +
Used by	Complex Type tns:imageDataType
Source	<pre> <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 </pre>

```

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>

```

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 ._%+</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:imageDataType</td></tr> <tr> <td>Source</td><td> <pre> <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:annotation> <xs:simpleType> <xs:restriction base="xs:string"> <xs:pattern value="[a-zA-Z0-9._%+]" /> </xs:restriction> </xs:simpleType> </xs:attribute> </pre> </td></tr>	Type	restriction of xs:string	Properties	use: required	Facets	pattern [a-zA-Z0-9._%+]+	Used by	Complex Type tns:imageDataType	Source	<pre> <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:annotation> <xs:simpleType> <xs:restriction base="xs:string"> <xs:pattern value="[a-zA-Z0-9._%+]" /> </xs:restriction> </xs:simpleType> </xs:attribute> </pre>
Type	restriction of xs:string										
Properties	use: required										
Facets	pattern [a-zA-Z0-9._%+]+										
Used by	Complex Type tns:imageDataType										
Source	<pre> <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:annotation> <xs:simpleType> <xs:restriction base="xs:string"> <xs:pattern value="[a-zA-Z0-9._%+]" /> </xs:restriction> </xs:simpleType> </xs:attribute> </pre>										

Attribute tns:qualityLevelType / @qualityLevelName

Namespace	No namespace										
Annotations	The name of the qualityLevel. 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:qualityLevelType</td></tr> <tr> <td>Source</td><td> <pre> <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> </pre> </td></tr>	Type	restriction of xs:string	Properties	use: required	Facets	pattern [a-zA-Z0-9._%+]+	Used by	Complex Type tns:qualityLevelType	Source	<pre> <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> </pre>
Type	restriction of xs:string										
Properties	use: required										
Facets	pattern [a-zA-Z0-9._%+]+										
Used by	Complex Type tns:qualityLevelType										
Source	<pre> <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> </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> <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> </pre>	

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> <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:simpleType> <xs:restriction base="xs:string"> <xs:pattern value="[a-zA-Z0-9._%+-]+"/> </xs:restriction> </xs:simpleType> </xs:attribute> </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> <xs:attribute name="dateOfMeasurement" 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> </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> <xs:attribute name="selectionBatchID" type="xs:int"> <xs:annotation> <xs:documentation xml:lang="eng">The ID for the selection batch that contains the batchID</ xs:documentation> </xs:annotation> </xs:attribute> </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> <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> </pre>

Attribute tns:fileType / @equipmentName

Namespace	No namespace
Annotations	Internal name of the tsrget 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> <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> </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 ._%+-
Type	restriction of xs:string
Properties	content: simple
Facets	pattern [a-zA-Z0-9._%+-]+
Used by	Complex Type tns:fileType
Source	<pre> <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> </pre>

	</xs:attribute>
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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><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></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><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></pre>

Attribute tns:imageQualityControlDataType / @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:imageQualityControlDataType
Source	<pre><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></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><xs:attribute name="result" type="xs:boolean" form="unqualified" use="required"/></pre>