

ISO20616-1PRX.xsdSchema Documentation

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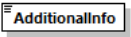
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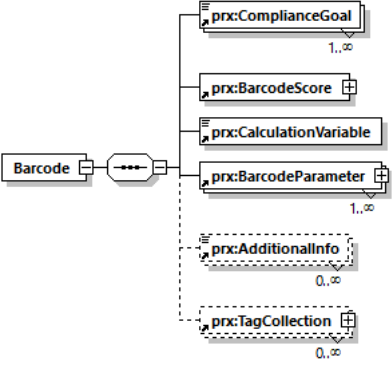
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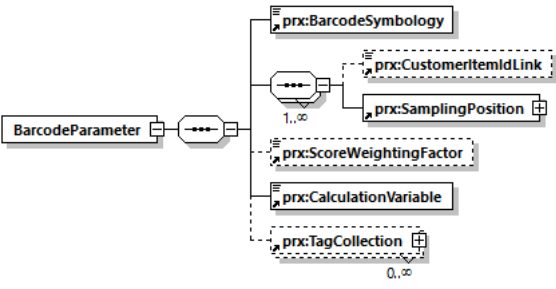
element **AdditionalInfo**

diagram	
used by	elements Barcode Color Defects Registration
annotation	documentation string used to provide more information

element **Barcode**

diagram	
children	prx:ComplianceGoal prx:BarcodeScore prx:CalculationVariable prx:BarcodeParameter prx:AdditionalInfo prx:TagCollection
used by	element QualityGoals
annotation	documentation set of fields that provide quality requirements for barcodes and indicate how that parameter will be evaluated by the print buyer

element **BarcodeParameter**

diagram	
children	prx:BarcodeSymbology prx:CustomerItemidLink prx:SamplingPosition prx:ScoreWeightingFactor prx:CalculationVariable prx:TagCollection
used by	element Barcode
annotation	documentation set of fields that provide quality requirements for a barcode parameter and indicate how that parameter will be evaluated by the print buyer

element **BarcodeScore**

diagram	
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children	prx:ScoringInfo prx:BarcodeScoringScale
used by	element Barcode
annotation	documentation set of fields that provide print buyer's barcode scoring

element **BarcodeScoringScale**

diagram						
children	prx:Score prx:ZeroBaseline					
used by	element BarcodeScore					
attributes	Name ScoringInput	Type xs:NMTOKEN	Use	Default	Fixed ISOVerification	Annotation documentation set field indicating ISO verification scores as the input into barcode scoring calculation
annotation	documentation set of fields that provide the print buyer's enumerations for barcode verification evaluation levels, or scores, and the meaning of each					

attribute **BarcodeScoringScale/@ScoringInput**

annotation	documentation set field indicating ISO verification scores as the input into barcode scoring calculation
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element **BarcodeSymbology**

diagram			
used by	element BarcodeParameter		
facets	Kind enumeration	Value AztecCode	Annotation documentation Aztec Code: a type of 2D barcode published as ISO/IEC 24778:2008 standard. Named after the resemblance of the central finder pattern to an Aztec pyramid, Aztec code has the potential to use less space than other matrix barcodes because it does not require a surrounding blank "quiet zone".
	enumeration	Codabar	documentation Codabar: (also called Ames Code, Code 2 of 7, NW-7, USD-4, and other names) was developed in 1972 by Pitney Bowes. The barcode was designed to be accurately read even when printed by dot matrix and impact printers (the most common print technology in use in the early 1970's).
	enumeration	Code11	documentation

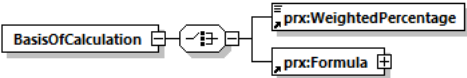
		Code 11: barcode symbology developed by Intermec in 1977. It is used primarily in telecommunications. The symbol can encode any length string consisting of the digits 0-9 and the dash character (-).
enumeration	Code128	documentation Code 128: high-density linear barcode symbology. It is used for alphanumeric or numeric-only barcodes. It can encode all 128 characters of ASCII and, by use of an extension symbol (FNC4), the Latin-1 characters defined in ISO/IEC 8859-1.
enumeration	Code39	documentation Code 39: (also known as Alpha39, Code 3 of 9, Code 3/9, Type 39, USS Code 39, or USD-3) is a variable length, discrete barcode symbology defining 43 characters.
enumeration	Code32	documentation Code 32: was used all over Italy for the encoding of pharmaceutical products.
enumeration	CrontoSign	documentation CrontoSign: graphical cryptogram consisting of a matrix of colored dots used to secure banking transactions.
enumeration	Pharmacode	documentation Pharmacode: 1D barcode used mainly in the pharmaceutical manufacturing.
enumeration	ExtendedCode39	documentation Extended Code 39: (also known as Alpha39, Code 3 of 9, Code 3/9, Type 39, USS Code 39, or USD-3) is a variable length, discrete barcode symbology.
enumeration	Code49	documentation Code 49: stacked symbol containing between 2 and 8 rows, each separated by a separator bar. Each row contains 16 "words" (which are generated from character pairs) and a start and stop character. The last row also contains the number of rows in the symbol and the check digit characters.
enumeration	Code93	documentation Code 93: barcode symbology designed in 1982 by Intermec to provide a higher density and data security enhancement to Code 39. It is an alphanumeric, variable length symbology. Code 93 is used primarily by Canada Post to encode supplementary delivery information.
enumeration	CompositeCode	documentation Composite Code: 2D barcode symbol included above a DataBar, UPC, EAN, or Code 128 barcode to encode additional data.
enumeration	CPCBinary	documentation CPC Binary Barcode: Canada Post's proprietary symbology used in its automated mail sortation operations.
enumeration	DataMatrix	documentation Data Matrix: two-dimensional matrix barcode consisting of black and white "cells" or modules arranged in either a square or rectangular pattern encoding either text or numeric data.
enumeration	EAN-2	documentation EAN-2: isupplement to the EAN-13 and UPC-A barcodes. It is often used on magazines and periodicals to indicate an issue number.
enumeration	EAN-5	documentation EAN-5: 5 digit supplement to the EAN-13 barcode used on books.
enumeration	EAN-8	documentation EAN-8: barcode and is derived from the longer International Article Number (EAN-13) code used on small packages.
enumeration	EAN-13	documentation EAN-13: superset of the original 12-digit Universal Product Code (UPC-A) standard with 3 added digits to indicate country and

enumeration	EANBookland	<p>product.</p> <p>documentation</p> <p>Bookland EAN barcode: two barcodes placed next to each other, usually used to code the retail price of the book. On the left is a large barcode generated by the book's ISBN, while on the right, a smaller barcode accommodating only 5 digits.</p>
enumeration	HAN-XINBarcode	<p>documentation</p> <p>Han Xin barcode is a 2D barcode developed by China for the encoding the Chinese characters and other text information efficiently.</p>
enumeration	HighCapacityColorBarcode	<p>documentation</p> <p>High Capacity Color Barcode: (HCCB) is a technology developed by Microsoft for encoding data in a 2D "barcode" using clusters of colored triangles instead of the square pixels conventionally associated with 2D barcodes or QR codes.</p>
enumeration	IntelligentMailBarcode	<p>documentation</p> <p>The Intelligent Mail Barcode: (IM barcode) is a 65-bar code for use to efficiently deliver mail in the United States.</p>
enumeration	Industrial2of5	<p>documentation</p> <p>Industrial 2 of 5: 1D barcode where each character consists of 2 wide Elements out of 5 barcode elements. Also known as Interleaved 2 of 5.</p>
enumeration	Interleaved2of5	<p>documentation</p> <p>Interleaved 2of5: 1D barcode with nine functional characters (123456789) and one symbol check character (5).</p>
enumeration	ITF-14	<p>documentation</p> <p>ITF 14: 1D barcode symbology which is derived from interleaved 2 of 5 and easily encodes 14 digits.</p>
enumeration	JAN	<p>documentation</p> <p>JAN: thirteen-digit EAN-13 where a prefix with the first two digits of "45" or "49" indicates a Japanese Article Number.</p>
enumeration	KarTrak	<p>documentation</p> <p>KarTrak: sometimes KarTrak ACI (for Automatic Car Identification) is a colored bar code system designed to automatically identify rail cars and other rolling stock.</p>
enumeration	LOGMARS	<p>documentation</p> <p>LOGMARS: stands for Logistics Applications of Automated Marking and Reading Symbols. It is a variation of code 39 as defined in Military Standard MIL-STD-1189B.</p>
enumeration	MaxiCode	<p>documentation</p> <p>MaxiCode: barcode used mainly by UPS (United Parcel Service) for sorting and tracking packages. Also known as maxi code, the MaxiCode specification is a 1-inch square that can store up to 83 characters of information.</p>
enumeration	MMCC	<p>documentation</p> <p>MMCC; mobile multi-coloured composite (MMCC) is a two dimensional coloured barcode designed to distribute media via traditional print media, without the need for network connectivity.</p>
enumeration	MSIPlessey	<p>documentation</p> <p>MSI: (also known as Modified Plessey) is a barcode symbology developed by the MSI Data Corporation, based on the original Plessey Code symbology. It is a continuous symbology that is not self-checking. MSI is used primarily for inventory control, marking storage containers and shelves in warehouse environments.</p>
enumeration	OPCOpticalIndustryAssociation	<p>documentation</p> <p>OPC: barcode for marking retail optical products.</p>
enumeration	PDF-417	<p>documentation</p> <p>PDF417: is a stacked linear barcode symbol format used in a variety of applications, primarily transport, identification cards, and</p>


		<p>inventory management. PDF stands for Portable Data File. The 417 signifies that each pattern in the code consists of 4 bars and spaces, and that each pattern is 17 units long.</p> <p>documentation</p> <p>Plessey Code is a 1D barcode used in some libraries and for shelf tags in retail stores to support internal stock control.</p>
enumeration	Plessey	
enumeration	PostBar	<p>documentation</p> <p>PostBar, also known as CPC 4-State, is the black-ink barcode system used by Canada Post in its automated mail sorting and delivery operations.</p>
enumeration	POSTNET	<p>documentation</p> <p>POSTNET (Postal Numeric Encoding Technique) is a barcode symbology used by the United States Postal Service to assist in directing mail. The ZIP Code or ZIP+4 code is encoded in half- and full-height bars.</p>
enumeration	QRCode	<p>documentation</p> <p>QR Code (Quick Response Code) is a machine-readable code consisting of an array of black and white squares, typically used for storing URLs or other information for reading by the camera on a smartphone.</p>
enumeration	SCC-14	<p>documentation</p> <p>SCC 14 barcode or Shipping Container Code is a 14-digit number assigned to fixed content shipping containers.</p>
enumeration	Standard2of5	<p>documentation</p> <p>Standard 2 of 5 is a very simple symbology in that all encoding information is encoded in the width of the bars. The spaces in the barcode exist only to separate the bars themselves. Additionally, a bar may either be wide or narrow, a wide bar generally being 3 times as wide as a narrow bar.</p>
enumeration	Telepen	<p>documentation</p> <p>Telepen is a name of a barcode symbology designed in 1972 in the UK to express all 128 ASCII characters without using shift characters for code switching, and using only two different widths for bars and spaces.</p>
enumeration	UCC/EAN-128	<p>documentation</p> <p>GS1-128 is an application standard of the GS1 implementation using the Code 128 barcode specification. The former correct name was UCC/EAN-128. Other no longer used names have included UCC-128 and EAN-128. GS1-128 uses a series of Application Identifiers to include additional data such as best before dates, batch numbers, quantities, weights and many other attributes needed</p>
enumeration	UPC-ITF-14	<p>documentation</p> <p>is the GS1 implementation of an Interleaved 2 of 5 bar code to encode a Global Trade Item Number. ITF-14 symbols are generally used on packaging levels of a product, such as a case box of 24 cans of soup. The ITF-14 will always encode 14 digits.</p>
enumeration	UPC-A	<p>documentation</p> <p>The Universal Product Code is a 1D barcode symbology that is widely used in the United States for tracking trade items in stores, as well as books, magazines, and newspapers.</p>
enumeration	UPC-E	<p>documentation</p> <p>UPC-E is a variation of UPC-A which allows for a more compact barcode by eliminating "extra" zeros. Since the resulting UPC-E barcode is about half the size as an UPC-A barcode, UPC-E is generally used on products with very small packaging where a full UPC-A barcode couldn't reasonably fit.</p>
enumeration	other	<p>documentation</p> <p>Other is designated for a barcode not found on the PQX list of standard barcode types</p>

annotation	documentation set of fields that provide the specific type of barcode being evaluated
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element **BasisOfCalculation**

diagram	 The diagram shows a box labeled 'BasisOfCalculation' connected to a container box. This container box has two child boxes: 'prx:WeightedPercentage' and 'prx:Formula'.
children	prx:WeightedPercentage prx:Formula
used by	elements GradingInfo ScoringInfo
annotation	documentation set of fields that provide information about how print quality grades/scores will be calculated by the print buyer

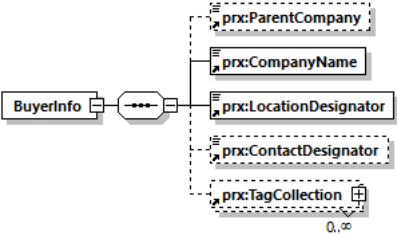
element **Brand**

diagram	 The diagram shows a box labeled 'Brand'.
used by	elements CustomerItem CustomerJob
annotation	documentation field that provides a designation for a product or set of products for which print quality data was captured


element **Brand-Product**

diagram	 The diagram shows a box labeled 'Brand-Product'.
used by	elements CustomerItem CustomerJob
annotation	documentation field that identifies the owner's brand and product designation (expressed as a concatenated string with a vertical bar separator) for an item offered for sale

element **BuyerInfo**

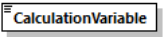
diagram	 The diagram shows a box labeled 'BuyerInfo' connected to a container box. This container box has five child boxes: 'prx:ParentCompany', 'prx:CompanyName', 'prx:LocationDesignator', 'prx:ContactDesignator', and 'prx:TagCollection'. The 'prx:TagCollection' box has a cardinality of '0..∞'.
children	prx:ParentCompany prx:CompanyName prx:LocationDesignator prx:ContactDesignator prx:TagCollection
used by	element PRX
annotation	documentation set of fields designed to transmit print buyer metadata for this set of print quality requirements

element **CalculatedValue**

diagram	 The diagram shows a box labeled 'CalculatedValue'.
used by	element ValueRange
annotation	documentation field that provides the result of a print-quality calculation based on the mathematical formula or method provided by the

	print buyer
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
element **CalculationVariable**

diagram	
used by	elements Barcode BarcodeParameter Color ColorParameter DefectParameter Defects Registration RegistrationParameter
annotation	documentation field that provides the variable to represent this quality goal in a score or grade calculation formula

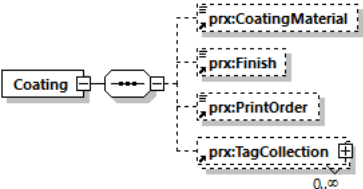
element **CelsiusTemperature**

diagram	
used by	element Resistance

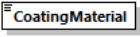
element **ChartType**

diagram	
used by	element ColorParameter
annotation	documentation field that provides a classification of a color chart to be employed

element **Coating**

diagram	
children	prx:CoatingMaterial prx:Finish prx:PrintOrder prx:TagCollection
used by	element InkGuidelines
annotation	documentation set of fields that provide a description of the substance used to overlay the printed inks

element **CoatingMaterial**

diagram	
used by	element Coating
annotation	documentation set of fields that provide a description of the substance used to overlay the printed inks


element **Color**

diagram	
children	prx:ComplianceGoal prx:ColorScore prx:CalculationVariable prx:ColorParameter prx:AdditionalInfo prx:TagCollection
used by	element QualityGoals
annotation	documentation set of fields that provide quality requirements for print color and indicate how that parameter will be evaluated by the print buyer

element **ColorParameter**

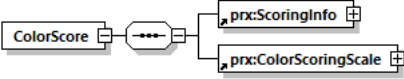
diagram	
children	prx:ParameterName prx:ColorReportType prx:CustomerItemIdLink prx:SamplingPosition prx:ChartType prx:CxFReferenceObjectIdLink prx:PatchType prx:ScoreWeightingFactor prx:CalculationVariable prx:TagCollection
used by	element Color
annotation	documentation set of fields that provide quality requirements for a parameter of colour quality

element **ColorReportType**

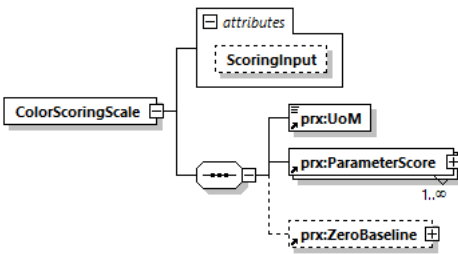
diagram			
used by	element ColorParameter		
facets	Kind enumeration	Value toneCalculation	Annotation documentation color report where tone values are calculated by the receiver

	enumeration direct documentation color report where CxF values are directly utilized by the receiver
annotation	documentation type of color report employed; default is "direct", "tone calculation" is the alternative

element **ColorScore**

diagram	
children	prx:ScoringInfo prx:ColorScoringScale
used by	element Color
annotation	documentation set of fields that provide print buyer's evaluation of colour

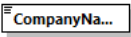
element **ColorScoringScale**

diagram						
children	prx:UoM prx:ParameterScore prx:ZeroBaseline					
used by	element ColorScore					
attributes	Name ScoringInput	Type xs:NMTOKEN	Use	Default	Fixed ColorDifference	Annotation documentation set field indicating colour variance as the input into color scoring calculation
annotation	documentation set of fields that specify how print colour will be scored by the print buyer					

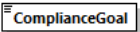
attribute **ColorScoringScale/@ScoringInput**

annotation	documentation set field indicating colour variance as the input into color scoring calculation
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element **CompanyName**

diagram	
used by	elements BuyerInfo Specifier
annotation	documentation field that identifies the name of a print buyer, printer, print quality service provider or other entity

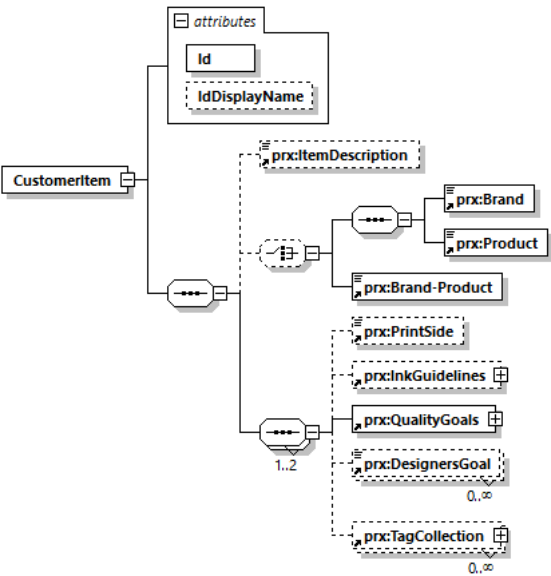
element **ComplianceGoal**

diagram	
used by	elements Barcode Color InkGuidelines
annotation	documentation field that designates a print buyer's compliance goal Note 1 to Entry: The ComplianceGoal field may be a named specification or it may be a link to a specification. Note 2 to Entry: Only a single specification may be listed per field. If the print buyer has multiple compliance goals, multiple RequiredCompliance fields should be transmitted.

element **ContactDesignator**

diagram	
used by	elements BuyerInfo Specifier
annotation	documentation field that provides an identifier for the business contact such as a contact name, email, phone, contact Id or a combination of these

element **CustomerItem**

diagram	 <p>The diagram shows the structure of the CustomerItem element. It has an 'attributes' section containing 'Id' (required) and 'IdDisplayName' (optional). The main body of the element is a complex structure with several optional components: 'prx:ItemDescription' (optional), 'prx:Brand' (optional), 'prx:Product' (optional), 'prx:Brand-Product' (optional), 'prx:PrintSide' (optional), 'prx:InkGuidelines' (optional), 'prx:QualityGoals' (optional), 'prx:DesignersGoal' (optional), and 'prx:TagCollection' (optional). The 'prx:Brand-Product' component is further detailed with a '1..2' cardinality and a '0..∞' cardinality. The 'prx:DesignersGoal' component is also detailed with a '0..∞' cardinality.</p>					
children	prx:ItemDescription prx:Brand prx:Product prx:Brand-Product prx:PrintSide prx:InkGuidelines prx:QualityGoals prx:DesignersGoal prx:TagCollection					
used by	element QualitySpecification					
attributes	Name	Type	Use	Default	Fixed	Annotation
	Id	xs:ID	required			documentation field that provides unique identification (within the scope of the PRX file) of this printed item

	IdDisplayName prx:customerItemIdType	documentation type or name of the identifier code such as "SKU" "artCode" or "GCAS"
annotation	documentation set of fields describing a printed item	

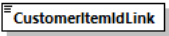
attribute **CustomerItem/@Id**

annotation	documentation field that provides unique identification (within the scope of the PRX file) of this printed item
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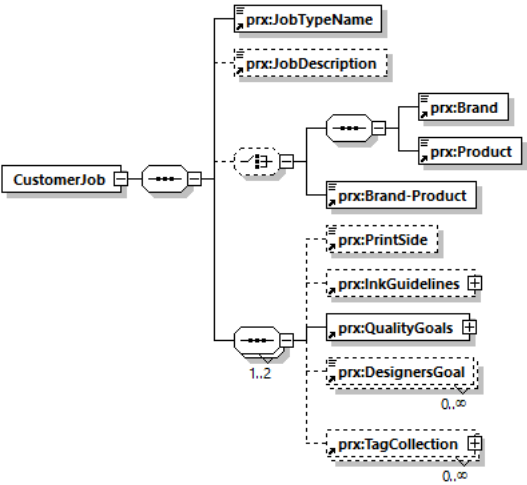
attribute **CustomerItem/@IdDisplayName**

annotation	documentation type or name of the identifier code such as "SKU" "artCode" or "GCAS"
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element **CustomerItemIdLink**

diagram		
used by	elements	BarcodeParameter ColorParameter DefectParameter RegistrationParameter
annotation	documentation field that provides a connection from a customer item to print buyer quality requirements	

element **CustomerJob**

diagram		
children	prx:JobTypeName prx:JobDescription prx:Brand prx:Product prx:Brand-Product prx:PrintSide prx:InkGuidelines prx:QualityGoals prx:DesignersGoal prx:TagCollection	
used by	element	QualitySpecification
annotation	documentation field that provides a name or label used by a print buyer to identify type of print job for which the quality specification was developed	

element **CustomResources**

diagram						
used by	element PRX					
attributes	Name	Type	Use	Default	Fixed	Annotation
annotation	documentation set of fields that provide extensibility to the PRX by allowing the inclusion of any structured XML-encoded content from any namespace					

element **CxFReferenceData**

diagram						
children	cc:CxF					
used by	element PRX					
annotation	documentation set of fields made up of CxF reference (standard) data for quality color aims. Note: ID's of CxF objects in this block are referenced to provide direct addressability of object colour data stores for print quality requirements specification.					

element **CxFReferenceObjectIdLink**

diagram						
used by	element ColorParameter					
annotation	documentation color measurement field that provides a link to the Standard/Aim CxF object Id for this measurement. Note to Entry: If standard aim values are known to both parties this field is not required to be transmitted back to the brand within the PRX message.					

element **DefectDefinition**

diagram						
used by	element DefectTypeDefinition					

element **DefectName**

diagram						
used by	element DefectTypeDefinition					

element DefectParameter

diagram	
children	prx:ParameterName prx:DefectParameterScale prx:CustomerItemLink prx:SamplingPosition prx:ScoreWeightingFactor prx:CalculationVariable prx:TagCollection
used by	element Defects
annotation	documentation set of fields that provide quality requirements for a defect parameter and indicate how that parameter will be evaluated by the print buyer

element DefectParameterScale

diagram	<pre>graph LR D[DefectParameterScale] --- A[attributes] A --- S[ScoringInput] D --- C((...)) C --- U[prx:UoM] C --- P[prx:ParameterScore 1..∞] P --- Z[prx:ZeroBaseline]</pre>					
children	prx:UoM prx:ParameterScore prx:ZeroBaseline					
used by	element	DefectParameter				
attributes	Name	Type	Use	Default	Fixed	Annotation
	ScoringInput	xs:NMTOKENS				documentation set field indicating the input into defect scoring calculation. streak length, defect size, defect count, defect type or multiple parameters concatenated with a comma"
annotation	documentation set of fields that provide the print buyer's enumerations for print quality parameter set evaluation levels, or scores, and the meaning of each					

attribute **DefectParameterScale/@ScoringInput**

annotation	documentation set field indicating the input into defect scoring calculation. streak length, defect size, defect count, defect type or multiple parameters concatenated with a comma"
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element **Defects**

diagram	
children	prx:ScoringInfo prx:CalculationVariable prx:DefectTypeDefinition prx:DefectParameter prx:AdditionalInfo prx:TagCollection
used by	element QualityGoals
annotation	documentation set of fields that provide quality requirements for defects and indicate how that parameter will be evaluated by the print buyer

element **DefectTypeDefinition**

diagram	
children	prx:DefectName prx:DefectDefinition
used by	element Defects
annotation	documentation field that provides nomenclature for defects that will be evaluated by the print buyer

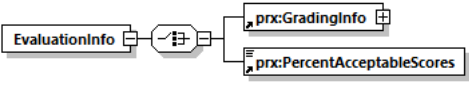
element **DesignersGoal**

diagram	
used by	elements CustomerItem CustomerJob
annotation	documentation field that carries designer quality intents that will be used by a print buyer to evaluate overall print quality


element **DesiredRank**

diagram	
used by	elements GradingInfo ScoringInfo
annotation	documentation field that provides the print buyer's target quality ranking on an integer scale greater than zero

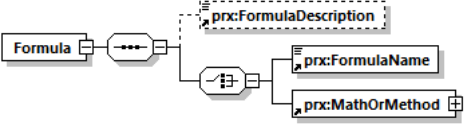
element **EvaluationInfo**

diagram	
children	prx:GradingInfo prx:PercentAcceptableScores
used by	element PRX
annotation	documentation set of fields that carry information that is used by a print buyer to evaluate overall print quality


element **Finish**

diagram			
used by	element Coating		
facets	Kind	Value	Annotation
	enumeration	matte	
	enumeration	semimatte	
	enumeration	gloss	
annotation	documentation set of fields that provide a description of the surface appearance of the dry coating material		

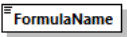
element **Formula**

diagram	
children	prx:FormulaDescription prx:FormulaName prx:MathOrMethod
used by	element BasisOfCalculation
annotation	documentation set of fields that provide the mathematical formula used by the print buyer to calculate print quality grades/scores

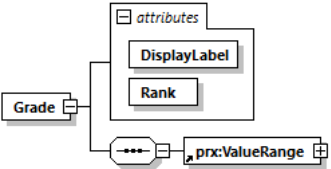
element **FormulaDescription**

diagram	
used by	element Formula
annotation	documentation field that provides a description of the formula

element **FormulaName**

diagram	
used by	element Formula
annotation	documentation field that provides the print buyer's designated name for the formula to be employed to calculate print quality scores or grades


element **Grade**

diagram						
children	prx:ValueRange					
used by	element GradingScale					
attributes	Name DisplayLabel Rank	Type prx:gradeLabelType xs:positiveInteger	Use required required	Default	Fixed	Annotation
annotation	documentation set of fields used to communicate the print buyer's evaluation for the overall quality for a printed item					

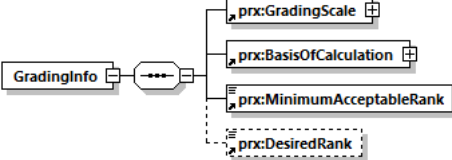
attribute **Grade/@DisplayLabel**

attribute **Grade/@Rank**

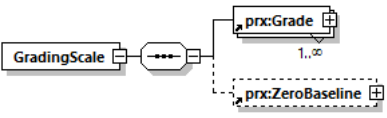
element **GradeWeightingFactor**

diagram						
used by	element ScoringInfo					
annotation	documentation field that provides a weighting factor for this quality goal in a score or grade calculation formula					

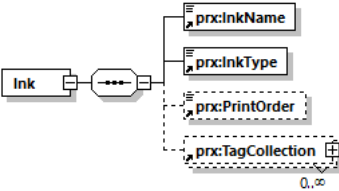
element **GradingInfo**

diagram						
children	prx:GradingScale prx:BasisOfCalculation prx:MinimumAcceptableRank prx:DesiredRank					
used by	element EvaluationInfo					
annotation	documentation set of fields that carry information that is used by a print buyer to grade print quality					


element **GradingScale**

diagram						
children	prx:Grade prx:ZeroBaseline					
used by	element GradingInfo					
annotation	documentation set of fields that provide the print buyer's designation for overall print quality levels, or grades, and the meaning of each					


element **Ink**

diagram	
children	prx:InkName prx:InkType prx:PrintOrder prx:TagCollection
used by	element InkGuidelines
annotation	documentation set of fields that provide a description of the fluid or viscous substance used for this print job


element **InkGuidelines**

diagram	
children	prx:Ink prx:Coating prx:Resistance prx:LightFastness prx:PPMSolventRetention prx:MaterialProhibited prx:ComplianceGoal prx:TagCollection
used by	elements CustomerItem CustomerJob
annotation	documentation set of fields that provide print buyer guidelines for inks to be used to print customer items for quality reporting

element **InkName**

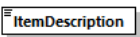
diagram	
used by	element Ink
annotation	documentation field that provides a word or set of words by which an ink is known to the print buyer

element **InkType**

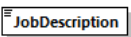
diagram	
used by	element Ink

facets	Kind enumeration	Value process	Annotation documentation Process Ink Type: an ink that is a member of a process ink set (2 or more inks), intended to be printed in combination with other process ink(s) in order to reproduce a range of colors or "gamut"
	enumeration	spot	documentation Spot Ink Type: an ink that is intended to produce a specific color printed color – often associated with a brand equity color
	enumeration	basecoat	documentation Basecoat Ink Type: an ink that is intended to provide a neutral base upon which to overlay process and spot inks
annotation	documentation field that provides a classification for the ink colorant as process, spot or basecoat		

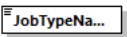
element **ItemDescription**

diagram	
used by	element CustomerItem
annotation	documentation field that provides a description for this printed customer item

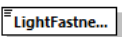
element **JobDescription**

diagram	
used by	element CustomerJob
annotation	documentation field that provides a description for this printed customer job type

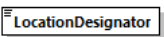
element **JobTypeName**

diagram	
used by	element CustomerJob
annotation	documentation field that provides a label or name for this customer job type


element **LightFastness**

diagram	
used by	element InkGuidelines
annotation	documentation field that indicates light fastness of inks

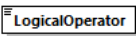
element **LocationDesignator**

diagram	
used by	elements BuyerInfo Specifier
annotation	documentation field that provides an identifier for the location of a company or party as a second level of identification for that company or party


element **LogicalConnector**

diagram			
used by	element ValueRange		
facets	Kind	Value	Annotation
	enumeration	AND	documentation and
	enumeration	OR	documentation or
annotation	documentation field that provides a connector for combining complex functions used for ranking a print quality score or grade		

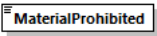
element **LogicalOperator**

diagram			
used by	element ValueRange		
facets	Kind	Value	Annotation
	enumeration	EQ	documentation equal to
	enumeration	NEQ	documentation not equal to
	enumeration	GT	documentation greater than
	enumeration	GTE	documentation greater than or equal to
	enumeration	LT	documentation less than
	enumeration	LTE	documentation less than or equal to
	enumeration	PM	documentation plus or minus
annotation	documentation field that provides the function used for ranking a print quality score or grade		

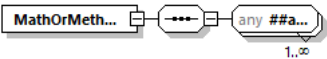
element **MarkType**

diagram			
used by	element RegistrationParameter		
annotation	documentation field that provides a classification or name of a registration mark to be employed		

element **MaterialProhibited**


diagram			
used by	element InkGuidelines		
annotation	documentation field that indicates materials that may not be used for ink composition		

element **MathOrMethod**

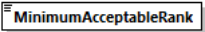
diagram			
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used by	element Formula
annotation	documentation field that provides the mathematical expression or written method label that the print buyer will employ to calculate or determine print quality grades/scores Note to Entry: Compliant PRX XML parsers are not required to process this data as it may be an XML-encoded formula (such as MathML or OpenMath) or it may be a formula expressed in a non-XML format such as LaTeX or ASCIImath or even a method described in written language.


element **MeasuredValue**

diagram	
annotation	documentation field that provides the value of a print-quality parameter measurement or observation

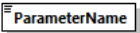
element **MinimumAcceptableRank**

diagram	
used by	elements GradingInfo ScoringInfo
annotation	documentation field that provides the print buyer's minimum quality ranking on an integer scale greater than zero

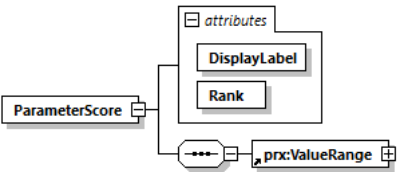
element **Origin**

diagram																
used by	element SamplingPositionMatrix															
facets	<table><tr><th>Kind</th><th>Value</th><th>Annotation</th></tr><tr><td>enumeration</td><td>BL</td><td>documentation bottom left</td></tr><tr><td>enumeration</td><td>BR</td><td>documentation bottom right</td></tr><tr><td>enumeration</td><td>TL</td><td>documentation top left</td></tr><tr><td>enumeration</td><td>TR</td><td>documentation top right</td></tr></table>	Kind	Value	Annotation	enumeration	BL	documentation bottom left	enumeration	BR	documentation bottom right	enumeration	TL	documentation top left	enumeration	TR	documentation top right
Kind	Value	Annotation														
enumeration	BL	documentation bottom left														
enumeration	BR	documentation bottom right														
enumeration	TL	documentation top left														
enumeration	TR	documentation top right														
annotation	documentation field that designates the starting point for a position definition															

element **ParameterName**

diagram	
used by	elements ColorParameter DefectParameter RegistrationParameter
annotation	documentation field that provides a label for the parameter being specified

element **ParameterScore**


diagram	 <pre> graph LR PS[ParameterScore] --- Attributes[attributes] subgraph Attributes DL[DisplayLabel] R[Rank] end PS --- PRV[prx:ValueRange] </pre>
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children	prx:ValueRange					
used by	elements	ColorScoringScale DefectParameterScale RegistrationScoringScale				
attributes	Name	Type	Use	Default	Fixed	Annotation
	DisplayLabel Rank	prx:gradeLabelType xs:positiveInteger	required required			
annotation	documentation set of fields that provide the quality evaluation for an individual defect parameter					


attribute **ParameterScore/@DisplayLabel**

attribute **ParameterScore/@Rank**


element **ParentCompany**

diagram	
used by	elements BuyerInfo Specifier
annotation	documentation field that identifies a company that controls a smaller, entity such as a printer, print buyer or agent


element **PatchType**

diagram			
used by	element	ColorParameter	
facets	Kind	Value	Annotation
	enumeration	substrate	documentation Substrate Patch: A patch used to measure substrate color.
	enumeration	solid	documentation Solid Patch: A patch used to measure a 100% solid color.
	enumeration	tint	documentation Tint Patch: A patch used to measure partial ink coverage. TintValue element gives the percent coverage.
	enumeration	grayBalance	documentation Gray Balance Patch: A patch to be gray.
	enumeration	overprint	documentation Overprint Patch: A patch color made with 2 or more solids at a 100% tint value.
	enumeration	build	documentation Build Patch: A patch that is a generic build, not intended to produce a specific color, like a patch in an image.
	enumeration	special	documentation Special Patch: A patch that is designed to produce a specific color (like an ECG recipe).
annotation	documentation field that provides a classification for the patch being measured		

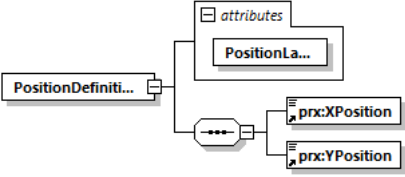
element **Percent**

diagram						
used by	element	Resistance				

element **PercentAcceptableScores**

diagram	
used by	element EvaluationInfo
annotation	documentation field that provides calculated percent of all scored parameters that must be within the print buyers acceptable scoring range


element **PositionDefinition**

diagram						
children	prx:XPosition prx:YPosition					
used by	element SamplingPositionMatrix					
attributes	Name PositionLabel	Type xs:NMTOKEN	Use required	Default	Fixed	Annotation documentation field that provides name or identifier for the position
annotation	documentation set of fields that define a single "PositionOnSample" location					

attribute **PositionDefinition/@PositionLabel**

annotation	documentation field that provides name or identifier for the position
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element **PositionLocationImage**

diagram						
used by	element SamplingPositionImageData					
attributes	Name Id	Type xs:ID	Use required	Default	Fixed	Annotation documentation field that provides unique identification for a location image
	ImageLink	xs:anyURI	required			documentation field that provides a link to the sampling position

		location image. Note to Entry: If this is a local URI, the assumption is that the images are zipped along with the PRX Message that references them. A remote URL can be used to reference a remote secure server where images are stored.
annotation	documentation	field in the location image data block that carries the unique identification of one sampling position image


attribute **PositionLocationImage/@Id**

annotation	documentation	field that provides unique identification for a location image
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attribute **PositionLocationImage/@ImageLink**

annotation	documentation	field that provides a link to the sampling position location image. Note to Entry: If this is a local URI, the assumption is that the images are zipped along with the PRX Message that references them. A remote URL can be used to reference a remote secure server where images are stored.
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element **PPMSolventRetention**


diagram		
used by	element	InkGuidelines
annotation	documentation	field that indicates maximum parts per million solvent retention of inks

element **PrintMethod**


diagram		
used by	element	QualitySpecification
facets	Kind	Annotation
	enumeration	documentation
	offsetLithography	printing method using a flat surface treated so as to repel the ink except where it is required for printing.
	enumeration	documentation
	dryOffset	

	<p>enumeration flexography documentation printing method in which the inked impression from letterpress or relief is etched on a thin metal surface, then printed on an intermediate rubber surface (as a blanket), and then offset onto the paper.</p> <p>enumeration gravure documentation rotary relief printing method using rubber or plastic plates and fluid inks or dyes for printing on fabrics and impervious materials such as plastics, as well as on paper.</p> <p>enumeration inkjet documentation printing method that produces an image from etching a plate through an intaglio process and producing a print from it.</p> <p>enumeration screen documentation printing method that uses a computer peripheral that produces hard copy by spraying ink onto paper.</p> <p>enumeration electrophotography documentation printing method that forces ink or metal onto (a surface) through a prepared screen of fine material so as to create a picture or pattern.</p> <p>enumeration dyeSublimation documentation printing method that uses photography employing electricity to transfer an image onto paper, as in laser printing and photocopying</p> <p>enumeration letterPress documentation printing method which uses heat to transfer dye onto materials such as a plastic, card, paper, or fabric. The sublimation name was first applied because the dye was considered to make the transition between the solid and gas states without going through a liquid stage.</p> <p>enumeration hybrid documentation oldest form of printing inking a surface with raised letters pressed to the surface of the printing substrate to reproduce an image in reverse.</p> <p>enumeration other documentation printing using a combination of methods such as inkjet and digital.</p> <p>enumeration any documentation another method not enumerated by PRX for printing an item.</p> <p>documentation buyer does not specify the print method.</p>
annotation	<p>documentation field that provides an account of the mechanism by which the sample was printed</p>


element **PrintOrder**

diagram	
used by	elements Coating Ink
annotation	<p>documentation field that provides the numerical order that this ink prints among all the inks/coatings on a sample with "1" being the first ink printed on a substrate</p>

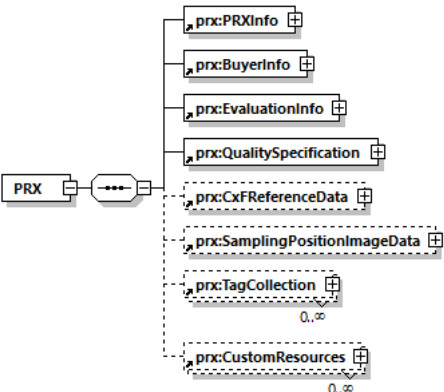
element **PrintSide**

diagram			
used by	elements CustomerItem CustomerJob		
facets	Kind	Value	Annotation
	enumeration	surface	documentation image printed on the surface of the substrate.
	enumeration	reverse	documentation image printed on the reverse side of the substrate.
annotation	documentation field that provides the side of the substrate where the image is printed		


element **Product**

diagram	
used by	elements CustomerItem CustomerJob
annotation	documentation field that provides a word or words by which an item offered for sale is known


element **PRX**

diagram	
children	prx:PRXInfo prx:BuyerInfo prx:EvaluationInfo prx:QualitySpecification prx:CxFReferenceData prx:SamplingPositionImageData prx:TagCollection prx:CustomResources
annotation	documentation root element of a print quality requirements data exchange from print buyers to print service providers and relevant stake holders

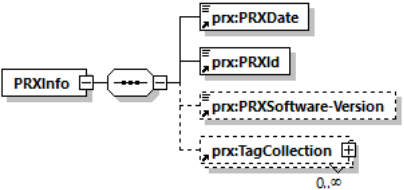
element **PRXDate**

diagram	
used by	element PRXInfo
annotation	documentation field that captures the transmission date or date/time in ISO format for this PRX message

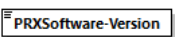
element **PRXId**

diagram	
used by	element PRXInfo
annotation	documentation field that provides an identifier for the PRX quality requirements data, unique within scope of the system of origin on the specified PRXDate

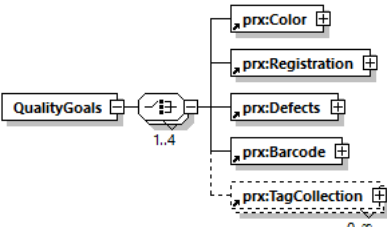
element **PRXInfo**

diagram	 The diagram shows the PRXInfo element as a container (rectangle with a small square in the top-left) connected to a dashed line. This dashed line branches into four separate elements: prx:PRXDate, prx:PRXId, prx:PRXSoftware-Version, and prx:TagCollection. The prx:TagCollection element has a multiplicity of 0..∞.
children	prx:PRXDate prx:PRXId prx:PRXSoftware-Version prx:TagCollection
used by	element PRX
annotation	documentation set of fields that provide metadata about this PRX data exchange

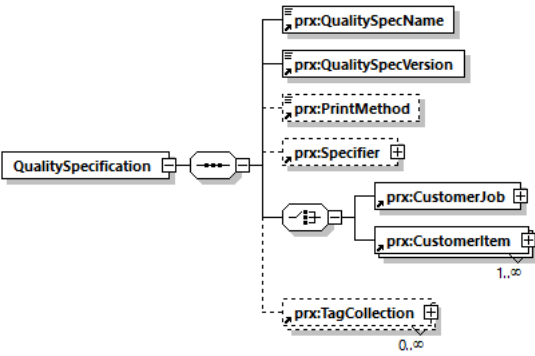
element **PRXSoftware-Version**

diagram	 The diagram shows the PRXSoftware-Version element as a simple rectangle with a small square in the top-left corner.
used by	element PRXInfo
annotation	documentation field that is used to indicate the software product and version used to generate this PRX message

element **QualityGoals**

diagram	 The diagram shows the QualityGoals element as a container connected to a dashed line with a multiplicity of 1..4. This dashed line branches into five separate elements: prx:Color, prx:Registration, prx:Defects, prx:Barcode, and prx:TagCollection. The prx:TagCollection element has a multiplicity of 0..∞.
children	prx:Color prx:Registration prx:Defects prx:Barcode prx:TagCollection
used by	elements CustomerItem CustomerJob
annotation	documentation set of fields that specify goals for print quality parameters that will be used by a print buyer to evaluate overall print quality

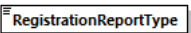
element **QualitySpecification**

diagram	 The diagram shows the QualitySpecification element as a container connected to a dashed line. This dashed line branches into several elements: prx:QualitySpecName, prx:QualitySpecVersion, prx:PrintMethod, prx:Specifier, and a group containing prx:CustomerJob and prx:CustomerItem. The prx:CustomerItem element has a multiplicity of 1..∞. Additionally, there is a dashed line from the main container to prx:TagCollection with a multiplicity of 0..∞.
children	prx:QualitySpecName prx:QualitySpecVersion prx:PrintMethod prx:Specifier prx:CustomerJob prx:CustomerItem prx:TagCollection

element **RegistrationParameter**

diagram	
children	prx:ParameterName prx:RegistrationReportType prx:MarkType prx:CustomerItemIdLink prx:SamplingPosition prx:ScoreWeightingFactor prx:CalculationVariable prx:TagCollection
used by	element Registration
annotation	documentation field that provides a registration reporting to be employed

element **RegistrationReportType**

diagram			
used by	element RegistrationParameter		
facets	Kind	Value	Annotation
	enumeration	variance	documentation registration reporting of the maximum variance of all printed inks for a printed sample
facets	enumeration	channel	documentation registration reporting of the maximum variance of all printed inks relative to a reference ink channel for a printed sample
annotation	documentation field that provides the type registration reporting to be employed		

element **RegistrationScore**

diagram	
children	prx:ScoringInfo prx:RegistrationScoringScale
used by	element Registration
annotation	documentation set of fields that indicate how registration will be evaluated by the print buyer

element **RegistrationScoringScale**

diagram						
children	prx:UoM prx:ParameterScore prx:ZeroBaseline					
used by	element RegistrationScore					
attributes	Name ScoringInput	Type xs:NMTOKEN	Use	Default	Fixed LinearVariance	Annotation documentation set field indicating linear variance on printed registration mark as the input into color scoring calculation
annotation	documentation set of fields that provide the print buyer's enumerations for registration evaluation levels, or scores, and the meaning of each					

attribute **RegistrationScoringScale/@ScoringInput**

annotation	documentation set field indicating linear variance on printed registration mark as the input into color scoring calculation
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element **Resistance**

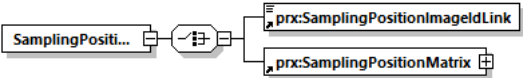
diagram						
children	prx:ResistanceFactor prx:CelsiusTemperature prx:TimeInDays prx:Percent prx:TagCollection					
used by	element InkGuidelines					
annotation	documentation set of fields that provide an enumeration of the ink quality is expected to withstand					

element **ResistanceFactor**

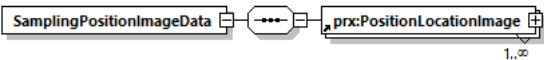
diagram						
used by	element Resistance					

annotation	documentation field that indicates a particular type of factor an ink must stand up to
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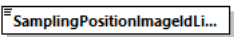
element **SamplingPosition**

diagram	 The diagram shows a box labeled 'SamplingPositi...' connected to a container box. Inside the container box are two sub-elements: 'prx:SamplingPositionImageIdLink' and 'prx:SamplingPositionMatrix'.
children	prx:SamplingPositionImageIdLink prx:SamplingPositionMatrix
used by	elements BarcodeParameter ColorParameter DefectParameter RegistrationParameter
annotation	documentation set of fields that provide the positions on a sample that the buyer requires quality measurement or observation and reporting

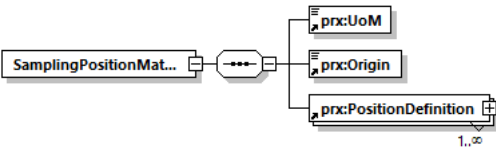
element **SamplingPositionImageData**

diagram	 The diagram shows a box labeled 'SamplingPositionImageData' connected to a container box. Inside the container box is a sub-element 'prx:PositionLocationImage' with a cardinality of '1..∞'.
children	prx:PositionLocationImage
used by	element PRX
annotation	documentation set of fields that identify the sampling position location images

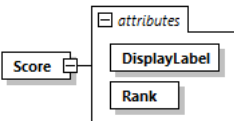
element **SamplingPositionImageIdLink**

diagram	 The diagram shows a box labeled 'SamplingPositionImageIdLi...'.
used by	element SamplingPosition
annotation	documentation link to the image of a samplinf position contained in the SamplingPositionImageData block

element **SamplingPositionMatrix**

diagram	 The diagram shows a box labeled 'SamplingPositionMat...' connected to a container box. Inside the container box are three sub-elements: 'prx:UoM', 'prx:Origin', and 'prx:PositionDefinition' with a cardinality of '1..∞'.
children	prx:UoM prx:Origin prx:PositionDefinition
used by	element SamplingPosition
annotation	documentation set of fields that provide the geometric coordinates for sampling on a printed customer items

element **Score**

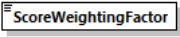
diagram	 The diagram shows a box labeled 'Score' connected to a container box. Inside the container box are two sub-elements: 'DisplayLabel' and 'Rank'. There is also an 'attributes' box above the container box.
used by	element BarcodeScoringScale complexType scoringScaleType

attributes	Name	Type	Use	Default	Fixed	Annotation
	DisplayLabel	prx:gradeLabelType	required			
	Rank	xs:positiveInteger	required			
annotation	documentation set of fields used to communicate the print buyer's evaluation for the quality of a print parameter such as colour or barcode readability, that contribute to an overall print quality grade					

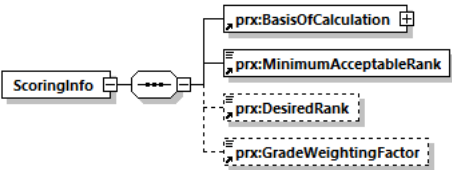
attribute **Score/@DisplayLabel**

attribute **Score/@Rank**

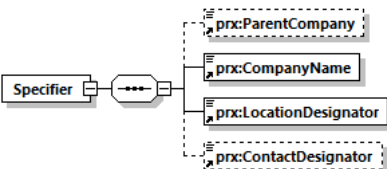
element **ScoreWeightingFactor**

diagram	
used by	elements BarcodeParameter ColorParameter DefectParameter RegistrationParameter
annotation	documentation positive integer used to provide an increased value to the rank of a scoring parameter when an overall score is calculated

element **ScoringInfo**

diagram	
children	prx:BasisOfCalculation prx:MinimumAcceptableRank prx:DesiredRank prx:GradeWeightingFactor
used by	elements BarcodeScore ColorScore Defects RegistrationScore
annotation	documentation set of fields that provide information required to indicate how that parameter will be scored by the print buyer

element **Specifier**

diagram	
children	prx:ParentCompany prx:CompanyName prx:LocationDesignator prx:ContactDesignator
used by	element QualitySpecification
annotation	documentation set of fields that identify the party responsible for specifying print quality requirements

element **TagCollection**

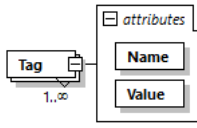
diagram	
children	Tag

used by	elements Barcode BarcodeParameter BuyerInfo Coating Color ColorParameter CustomerItem CustomerJob DefectParameter Defects Ink InkGuidelines PRX PRXInfo QualityGoals QualitySpecification Registration RegistrationParameter Resistance					
attributes	Name Name	Type xs:string	Use required	Default	Fixed	Annotation documentation required key or name for a custom PRX tag
annotation	documentation set of customizable generic XML tags that provide extensibility to the PRX					

attribute **TagCollection/@Name**

annotation	documentation required key or name for a custom PRX tag
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element **TagCollection/Tag**

diagram						
attributes	Name Name	Type xs:string	Use required	Default	Fixed	Annotation documentation required key or name for a custom PRX tag
	Value	xs:string	required			documentation required value for a custom PRX tag
annotation	documentation field used to transmit custom print quality metadata as a name / value pair					

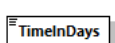
attribute **TagCollection/Tag/@Name**

annotation	documentation required key or name for a custom PRX tag
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
attribute **TagCollection/Tag/@Value**

annotation	documentation required value for a custom PRX tag
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element **TimeInDays**

diagram						
used by	element Resistance					

element **UoM**

diagram						
used by	elements ColorScoringScale DefectParameterScale RegistrationScoringScale SamplingPositionMatrix					

facets	Kind	Value	Annotation
	enumeration	ft	documentation Foot Type: abbreviation for foot
	enumeration	in	documentation Inch Type: abbreviation for inch
	enumeration	yd	documentation Yard Type: abbreviation for yard
	enumeration	m	documentation MeterType: abbreviation for meter
	enumeration	cm	documentation Centimeter Type: abbreviation for centimeter
	enumeration	mm	documentation Milimeter Type: abbreviation for milimeter
	enumeration	nm	documentation Nanometer Type: abbreviation for nanometer
	enumeration	um	documentation Micrometer Type: abbreviation for micron
	enumeration	pt	documentation Point Type: abbreviation for relative measure of point
	enumeration	pc	documentation Pica Type: abbreviation for relative measure of pica
	enumeration	ln	documentation Line Type: abbreviation for relative measure of a line
	enumeration	ft2	documentation FootSquared : abbreviation for square foot
	enumeration	in2	documentation Inch Squared Type: abbreviation for square inch
	enumeration	yd2	documentation Yard Squared Type: abbreviation for square yard
	enumeration	m2	documentation Meter Squared Type: abbreviation for square meter
	enumeration	cm2	documentation Centimeter Squared Type: abbreviation for square centimeter
	enumeration	mm2	documentation Milimeter Squared Type: abbreviation for square milimeter
	enumeration	nm2	documentation Nanometer Squared Type: abbreviation for square nanometer
	enumeration	um2	documentation Micrometer Squared Type: abbreviation for square micron
	enumeration	dE	documentation DeltaE Type: abbreviation for DeltaE
	enumeration	dE2000	documentation DeltaE Type: abbreviation for DeltaE
	enumeration	dE76	documentation DeltaE Type: abbreviation for DeltaE
	enumeration	items	documentation Item Type: measure of the number of printed items such as cans, bottles, sheets, etc.
	enumeration	percent	documentation Percent Type: measure of the percent of printed items such as cans, bottles, sheets, etc.
	enumeration	count	documentation Count Type: measure of the occurrence number (such as defect count)
	enumeration	severity	documentation Severity Type: the defect level of severity (on a scale of 1-10 with 1 being the least severe)
	enumeration	ISONumericScore	documentation ISO Numeric Score: the ISO verification score employing a scale from 0.0 (low) to 4.0 (high)

annotation	documentation field that provides the unit of measure to be used for a value statement
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element **ValueRange**

diagram	
children	prx:LogicalOperator prx:CalculatedValue prx:LogicalConnector
used by	elements Grade ParameterScore
annotation	documentation set of fields that provide a logical expression used to assign a numeric rank to an overall print quality grade or score

element **WeightedPercentage**

diagram	
used by	element BasisOfCalculation

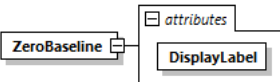
element **XPosition**

diagram	
used by	element PositionDefinition
annotation	documentation field that provides the sampling location on a printed item measured along the X (horizontal) axis in the position unit of measure

element **YPosition**

diagram	
used by	element PositionDefinition
annotation	documentation field that provides the sampling location on a printed item measured along the Y (vertical) axis in the position unit of measure

element **ZeroBaseline**

diagram													
used by	<div>elements</div> <div>BarcodeScoringScale ColorScoringScale DefectParameterScale GradingScale RegistrationScoringScale</div> <div>complexType</div> <div>scoringScaleType</div>												
attributes	<table><thead><tr><th>Name</th><th>Type</th><th>Use</th><th>Default</th><th>Fixed</th><th>Annotation</th></tr></thead><tbody><tr><td>DisplayLabel</td><td>prx:gradeLabelType</td><td>required</td><td></td><td></td><td></td></tr></tbody></table>	Name	Type	Use	Default	Fixed	Annotation	DisplayLabel	prx:gradeLabelType	required			
Name	Type	Use	Default	Fixed	Annotation								
DisplayLabel	prx:gradeLabelType	required											
annotation	<div>documentation</div> <div>field that identifies the lowest quality ranking based on a numeric value of zero</div>												

attribute **ZeroBaseline/@DisplayLabel**

complexType **scoringScaleType**

diagram	
children	prx:Score prx:ZeroBaseline

simpleType **coatingListType**

used by	simpleType coatingTypeType		
facets	Kind	Value	Annotation
	enumeration	waterBased	
	enumeration	UV	
	enumeration	filmLamination	
	enumeration	varnish	
	enumeration	gel	
	enumeration	acrylic	
annotation	documentation PRX datatype made up of a list of standard coatings		

simpleType **coatingTypeType**

used by	element CoatingMaterial
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simpleType **colorReportTypeType**

used by	element ColorReportType		
facets	Kind	Value	Annotation
	enumeration	toneCalculation	documentation color report where tone values are calculated by the receiver
	enumeration	direct	documentation color report where CxF values are directly utilized by the receiver
annotation	documentation PQX datatype made up of a list of standard color report types		

simpleType **connectorType**

used by	element LogicalConnector		
facets	Kind	Value	Annotation
	enumeration	AND	documentation and
	enumeration	OR	documentation or

simpleType **customerItemIdListType**

used by	simpleType customerItemIdType		
facets	Kind	Value	Annotation
	enumeration	SKU	

	enumeration IPMS enumeration ArtCode enumeration GCAS
annotation	documentation PRX datatype made up of a list of standard print item identifier types

simpleType **customerItemIdType**

used by	attribute CustomerItem/@IdDisplayName
annotation	documentation PRX datatype made up of the union of standard print item identifier types and a user-defined custom value

simpleType **customValueType**

used by	simpleTypes coatingTypeType customerItemIdType gradeLabelType materialProhibitedType resistanceFactorType
annotation	documentation PRX datatype used to define custom values

simpleType **dateOrDateTime**

used by	element PRXDate
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simpleType **finishType**

used by	element Finish		
facets	Kind	Value	Annotation
	enumeration	matte	
	enumeration	semimatte	
	enumeration	gloss	
annotation	documentation PRX datatype made up of a list of standard coating finishes		

simpleType **gradeLabelListType**

used by	simpleType gradeLabelType		
facets	Kind	Value	Annotation
	enumeration	A	
	enumeration	B	
	enumeration	C	
	enumeration	D	
	enumeration	F	
	enumeration	Platinum	
	enumeration	Gold	
	enumeration	Silver	
	enumeration	Bronze	
	enumeration	Superior	
	enumeration	Excellent	
	enumeration	Good	
	enumeration	Poor	
	enumeration	Pass	

	enumeration Fail
annotation	documentation PRX datatype made up of a list of standard grading label types

simpleType **gradeLabelType**

used by	attributes Grade/@DisplayLabel ParameterScore/@DisplayLabel Score/@DisplayLabel ZeroBaseline/@DisplayLabel
annotation	documentation PRX datatype made up of the union of standard grade label types, non-negative integers and a user-defined custom value

simpleType **inkType**

used by	element InkType		
facets	Kind	Value	Annotation
	enumeration	process	documentation Process Ink Type: an ink that is a member of a process ink set (2 or more inks), intended to be printed in combination with other process ink(s) in order to reproduce a range of colors or "gamut"
	enumeration	spot	documentation Spot Ink Type: an ink that is intended to produce a specific color printed color – often associated with a brand equity color
	enumeration	basecoat	documentation Basecoat Ink Type: an ink that is intended to provide a neutral base upon which to overlay process and spot inks
annotation	documentation datatype made up of a list of standard ink types		

simpleType **materialProhibitedListType**

used by	simpleType materialProhibitedType		
facets	Kind	Value	Annotation
	enumeration	BPA	
	enumeration	methyl-glycol	
	enumeration	ethyl-glycol	
	enumeration	mono-chloro-benzene	
	enumeration	1-metho-2-pyrrodine	
	enumeration	benzene	
	enumeration	toluene	
	enumeration	ethyl-benzene	
	enumeration	xylene	
	enumeration	aromaticHydrocarbons	
	enumeration	pigmentRed81	
	enumeration	pigmentRed169	
	enumeration	pigmentGreen1	
	enumeration	pigmentBlue1	
	enumeration	pigmentBlue62	
	enumeration	pigmentViolet1	
	enumeration	pigmentViolet1x	
	enumeration	pigmentViolet2	
	enumeration	pigmentViolet3	
	enumeration	pigmentViolet27	

	enumeration pigmentViolet39 enumeration TAA enumeration phthalatePlasticizers enumeration bisphenolA enumeration colbaltDryers enumeration rhodamine enumeration triarylcarbonium
annotation	documentation PRX datatype made up of a list of standard materials that may not be used in an ink/coating compound

simpleType **materialProhibitedType**

used by	element MaterialProhibited
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simpleType **operatorType**

used by	element LogicalOperator		
facets	Kind	Value	Annotation
	enumeration	EQ	documentation equal to
	enumeration	NEQ	documentation not equal to
	enumeration	GT	documentation greater than
	enumeration	GTE	documentation greater than or equal to
	enumeration	LT	documentation less than
	enumeration	LTE	documentation less than or equal to
	enumeration	PM	documentation plus or minus

simpleType **originType**

used by	element Origin		
facets	Kind	Value	Annotation
	enumeration	BL	documentation bottom left
	enumeration	BR	documentation bottom right
	enumeration	TL	documentation top left
	enumeration	TR	documentation top right
annotation	documentation PRX datatype made up of a list of position origin types		

simpleType **percentType**

used by	elements Percent PercentAcceptableScores
annotation	documentation PQX datatype defining the expression of a percentage

simpleType **printMethodType**

used by	element PrintMethod		
facets	Kind	Value	Annotation
	enumeration	offsetLithography	documentation printing method using a flat surface treated so as to repel the ink except where it is required for printing.
	enumeration	dryOffset	documentation printing method in which the inked impression from letterpress or relief is etched on a thin metal surface, then printed on an intermediate rubber surface (as a blanket), and then offset onto the paper.
	enumeration	flexography	documentation rotary relief printing method using rubber or plastic plates and fluid inks or dyes for printing on fabrics and impervious materials such as plastics, as well as on paper.
	enumeration	gravure	documentation printing method that produces an image from etching a plate through an intaglio process and producing a print from it.
	enumeration	inkjet	documentation printing method that uses a computer peripheral that produces hard copy by spraying ink onto paper.
	enumeration	screen	documentation printing method that forces ink or metal onto (a surface) through a prepared screen of fine material so as to create a picture or pattern.
	enumeration	electrophotography	documentation printing method that uses photography employing electricity to transfer an image onto paper, as in laser printing and photocopying
	enumeration	dyeSublimation	documentation printing method which uses heat to transfer dye onto materials such as a plastic, card, paper, or fabric. The sublimation name was first applied because the dye was considered to make the transition between the solid and gas states without going through a liquid stage.
	enumeration	letterPress	documentation oldest form of printing inking a surface with raised letters pressed to the surface of the printing substrate to reproduce an image in reverse.
	enumeration	hybrid	documentation printing using a combination of methods such as inkjet and digital.
	enumeration	other	documentation another method not enumerated by PRX for printing an item.
	enumeration	any	documentation buyer does not specify the print method.
annotation	documentation PRX datatype made up of a list of standard print method types		

simpleType **printSideType**

used by	element PrintSide		
facets	Kind	Value	Annotation
	enumeration	surface	documentation image printed on the surface of the substrate.
	enumeration	reverse	documentation image printed on the reverse side of the substrate.
annotation	documentation PRX datatype made up of a list standard print side indicator types		

simpleType **registrationReportTypeType**

used by	element RegistrationReportType
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facets	Kind enumeration	Value variance	Annotation documentation registration reporting of the maximum variance of all printed inks for a printed sample
	enumeration	channel	documentation registration reporting of the maximum variance of all printed inks relative to a reference ink channel for a printed sample
annotation	documentation PRX datatype made up of a list of registration reporting types		

simpleType **resistanceFactorType**

used by	element ResistanceFactor
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simpleType **resistanceListType**

used by	simpleType resistanceFactorType		
facets	Kind	Value	Annotation
	enumeration	lacticAcid	
	enumeration	rub	
	enumeration	scratch	
	enumeration	cold	
	enumeration	dryHeat	
	enumeration	steam	
	enumeration	ozone	
	enumeration	humidity	
	enumeration	weather	
	enumeration	vegetableOil	
	enumeration	alkali	
	enumeration	ethanolSpirit	
	enumeration	lye	
	enumeration	solvent	
	enumeration	detergent	
	enumeration	acid	
	enumeration	soap	
	enumeration	oilOrFat	
	enumeration	butter	
	enumeration	breadSterilization	
enumeration	thermalSterilization		
annotation	documentation datatype made up of a list of standard resistance types		

simpleType **UoMType**

used by	element UoM		
facets	Kind enumeration	Value ft	Annotation documentation Foot Type: abbreviation for foot
	enumeration	in	documentation Inch Type: abbreviation for inch
	enumeration	yd	documentation

	enumeration	m	Yard Type: abbreviation for yard documentation
	enumeration	cm	MeterType: abbreviation for meter documentation
	enumeration	mm	Centimeter Type: abbreviation for centimeter documentation
	enumeration	nm	Milimeter Type: abbreviation for milimeter documentation
	enumeration	um	Nanometer Type: abbreviation for nanometer documentation
	enumeration	pt	Micrometer Type: abbreviation for micron documentation
	enumeration	pc	Point Type: abbreviation for relative measure of point documentation
	enumeration	ln	Pica Type: abbreviation for relative measure of pica documentation
	enumeration	ft2	Line Type: abbreviation for relative measure of a line documentation
	enumeration	in2	FootSquared : abbreviation for square foot documentation
	enumeration	yd2	Inch Squared Type: abbreviation for square inch documentation
	enumeration	m2	Yard Squared Type: abbreviation for square yard documentation
	enumeration	cm2	Meter Squared Type: abbreviation for square meter documentation
	enumeration	mm2	Centimeter Squared Type: abbreviation for square centimeter documentation
	enumeration	nm2	Milimeter Squared Type: abbreviation for square milimeter documentation
	enumeration	um2	Nanometer Squared Type: abbreviation for square nanometer documentation
	enumeration	dE	Micrometer Squared Type: abbreviation for square micron documentation
	enumeration	dE2000	DeltaE Type: abbreviation for DeltaE documentation
	enumeration	dE76	DeltaE Type: abbreviation for DeltaE documentation
	enumeration	items	DeltaE Type: abbreviation for DeltaE documentation
	enumeration	percent	Item Type: measure of the number of printed items such as cans, bottles, sheets, etc. documentation
	enumeration	count	Percent Type: measure of the percent of printed items such as cans, bottles, sheets, etc. documentation
	enumeration	severity	Count Type: measure of the occurrence number (such as defect count) documentation
	enumeration	ISONumericScore	Severity Type: the defect level of severity (on a scale of 1-10 with 1 being the least severe) documentation
			ISO Numeric Score: the ISO verification score employing a scale from 0.0 (low) to 4.0 (high)
annotation	documentation PRX datatype made up of a list of standard length measurement types, area types and other relevant types		

attribute **Rank**

annotation	documentation field that assigns an integer to a print quality grade or score based on a scale of zero or more, where the greater the
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	integer, the higher the print quality evaluation
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