

DICOM Correction Proposal Form

Tracking Information - Administration Use Only	
Correction Proposal Number	CP-276
STATUS	Assigned
Date of Last Update	9/20/2001
Person Assigned	Harry Solomon
Submitter Name	Harry Solomon
Submission date	6/12/2001

Correction Number	CP-276
Log Summary: Parametrized numeric measurement templates	
Type of Modification	Name of Standard
Clarification	PS 3.16
Rationale for Correction The Templates specified for numeric measurement under TID 2000 do not provide for the full range of types of measurements made on images. 1. The concept categories of linear, area, and volume measurements do not provide for angle, velocity, density, counts of objects, quality ratings, and other categories of numeric measurements that are commonly derived from images. This CP provides a general Numeric Measurements template for these other categories of measurements. 2. Measurements should be able to be inferred from referenced images without SCOORDs (which may be meaningless for particular classes of measurements, e.g., quality ratings). The proposed general Numeric Measurements template provides for inference directly from an image without an SCOORD.	
Sections of documents affected PS 3.16 Annex A and B	
Correction Wording:	

Update PS3.16 Annex A

TID 1404 Numeric Measurement Template

TID 1404 NUMERIC MEASUREMENT

NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1		NUM	No baseline CID	1	M		Units = DCID (82) Units of Measurement
2	>	INFERRED FROM SCOORD	No baseline CID	1-n	U		
3	>>	R-SELECTED FROM IMAGE		1	MC	XOR Row 4	
4	>>	SELECTED FROM IMAGE		1	MC	XOR Row 3	

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
5	>	R-INFERRED FROM	IMAGE	BCID(7003) Diagnostic Imaging Report Purposes of Reference	1-n	U		
6	>	INFERRED FROM	IMAGE	BCID(7003) Diagnostic Imaging Report Purposes of Reference	1-n	U		

Content Item Descriptions

Row 2

The SCOORD may indicate the points or area where the measurement was taken (e.g., a POINT showing the pixel location of a density measurement, or an open POLYLINE of three points showing the calculation of an angle).

TID 2001 Basic Diagnostic Imaging Report Observations

Individual numeric or image observations that may be useful for inclusion as individual findings or as the source of inferences in a report.

TID 2001 BASIC DIAGNOSTIC IMAGING REPORT OBSERVATIONS

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			IMAGE	BCID(7003) Diagnostic Imaging Report Purposes of Reference	1	MC	XOR Rows 2,3,4, 5	
2			INCLUDE	TID(1400) Linear Measurements	1	MC	XOR Rows 1,3,4, 5 . Shall not be present if the NUM value type is not supported by the IOD.	
3			INCLUDE	TID(1401) Area Measurements	1	MC	XOR Rows 1,2,4, 5 . Shall not be present if the NUM value type is not supported by the IOD.	
4			INCLUDE	TID(1402) Volume Measurements	1	MC	XOR Rows 1,2,3, 5 . Shall not be present if the NUM value type is not supported by the IOD.	
5			INCLUDE	TID(1404) Numeric Measurements	1	MC	XOR Rows 1,2,3,4. Shall not be present if the NUM value type is not supported by the IOD.	