

DICOM Correction Item

Correction Number	CP-390
Log Summary: Add missing TID 14xx Definitions to PS 3.16, Annex D	
Type of Modification	Name of Standard
Correction	PS 3.16 2003
Rationale for Correction The definitions for DICOM Coded terms in PS 3.16, TID 1400, 1401, 1402 and related context groups are missing from Annex D. This correction proposal adds definitions for linear, area, and volume measurement related DICOM coded terms that were originally part of DICOM Supplement 53, DICOM Content Mapping Resource. It also retires duplicate DICOM codes for these terms, and applies the active DICOM codes to Annex E.	
Sections of documents affected PS 3.16, Annex A, B, D, E	
Correction Wording: Correct a referenced code in TID 1401 row 2, and CID 7471, and update the definitions in PS 3.16 Annex D, and code values in Annex E:	

TID 1401 AREA MEASUREMENT TEMPLATE

**TID 1401
 AREA MEASUREMENT
 Type: Extensible**

NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1		NUM	DCID (CID 7471) "Area Measurements"	1	M		Value shall be > 0 UNITS = DCID (7461) "Units of Area Measurement"
2	> INFERRED FROM	SCOORD	(121056,DCM, "Area Outline")	1	MC	IF concept name of Row 1 is (121202,DCMG-A16A,SRT, "Area of Ddefined Rregion").	Graphic data type shall not be MULTIPOINT
	...						

CONTEXT GROUP 7471

Area Measurements

Type: Extensible Version: 20020904

Coding Scheme Designator (0008,0102)	Coding Scheme Version (0008,0103)	Code Value (0008,0100)	Code Meaning (0008,0104)
SNM3		G-A166	Area
SRT		G-A167A	Area of defined region

Annex D DICOM Controlled Terminology Definitions (Normative)

This Annex specifies the meanings of codes defined in DICOM, either explicitly or by reference to another part of DICOM or an external reference document or standard.

DICOM Code Definitions (Coding Scheme Designator "DCM" Coding Scheme Version "01")

Code Value	Code Meaning	Definition	Notes
111006	Breast composition	Assessment of annotating tissues in breast; generally including fatty, mixed or dense	Retired. Replaced with (F-0179910, SRT 1.1, "Breast composition").
121055	Path	A set of points on an image, that when connected by line segments, provide a polyline from which a linear measurement was inferred.	

Code Value	Code Meaning	Definition	Notes
121056	Area outline	<u>A set of points on an image, that when connected by line segments, provide a closed polyline that is the border of a defined region from which an area, or two-dimensional measurement, was inferred.</u>	
121057	Perimeter outline	<u>A set of points on an image, that when connected by line segments, provide a closed polyline that is a two-dimensional border of a three-dimensional region's intersection with, or projection into the image.</u>	
121206	Distance	<u>A one dimensional, or linear, numeric measurement.</u>	
121211	Path length	<u>A one dimensional, or linear, numeric measurement along a polyline.</u>	
121216	Volume estimated from single 2D region	<u>A three-dimensional numeric measurement that is approximate, based on a two-dimensional region in a single image.</u>	
121217	Volume estimated from three or more non-coplanar 2D regions	<u>A three-dimensional numeric measurement that is approximate, based on three or more non-coplanar two-dimensional image regions.</u>	
121218	Volume estimated from two non-coplanar 2D regions	<u>A three-dimensional numeric measurement that is approximate, based on two non-coplanar two-dimensional image regions.</u>	
121219	Volume of bounding three dimensional region	<u>A three-dimensional numeric measurement of the bounding region of a three-dimensional region of interest in an image set.</u>	

Code Value	Code Meaning	Definition	Notes
121220	Volume of circumscribed sphere	<u>A three-dimensional numeric measurement of the bounding sphere of a three-dimensional region of interest in an image set.</u>	
121221	Volume of ellipsoid	<u>A three-dimensional numeric measurement of an ellipsoid shaped three-dimensional region of interest in an image set.</u>	
121222	Volume of sphere	<u>A three-dimensional numeric measurement of a sphere shaped three-dimensional region of interest in an image set.</u>	
121201	<i>Area Outline</i>		<i>Retired. Duplicate of (121056, DCM, "Area Outline") and not used.</i>
<u>121202</u>	<u>Area of Defined Region</u>		<i>Retired. Replaced with (G-A16A, SRT, "Area of defined region").</i>
121210	<i>Path</i>		<i>Retired. Duplicate of (121055, DCM, "Path") and not used.</i>
121213	<i>Perimeter Outline</i>		<i>Retired. Duplicate of (121057, DCM, "Perimeter Outline") and not used.</i>

Annex E French Translations of Selected Codes used in the DCMR (Normative)

This Annex defines the French language code meanings for selected codes used in the DCMR.

Coding Scheme Designator	Code Value	Code Meaning English Language	Code Meaning French Language
SRT	G-A167A	Area of defined region	Surface de la région définie
DCM	121201 121056	Area Outline	Tracé de la surface
DCM	121210 121055	Path	Tracé
DCM	121213 121057	Perimeter Outline	Délimitation du périmètre