

DICOM Correction Item

Correction Number CP-619	
Log Summary: Add SCOORD Item to TID 4021	
Type of Modification Addition	Name of Standard PS 3.16 - 2006
Rationale for Correction: It is desirable to provide secondary graphical representations for a Single Image Finding outline for certain types of findings. This CP proposes to add two rows to TID 4021 in order to accomplish this. Rendering of the proposed SCOORD content item is not specified.	
Sections of documents affected PS 3.16 Annex A TID 4021, PS 3.16 Annex B and PS 3.16 Annex D.	
Correction Wording: See below.	

Modify PS 3.16, Annex A, TID 4021

TID 4021 Mammography CAD Geometry Template

All geometry template invocations require specification of the location of the center of the object. Outline is optional.

**TID 4021
MAMMOGRAPHY CAD GEOMETRY
Type: Non-Extensible**

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			SCOORD	EV(111010, DCM, "Center")	1	M		Graphic Data Type = POINT
2	>	R-SELECTED FROM	IMAGE		1	M		Shall reference an IMAGE content item in the (111028, DCM, "Image Library")
3			SCOORD	EV(111010, DCM, "Outline")	1	U		
4	>	R-SELECTED FROM	IMAGE		1	M		Shall reference the same content item as row 2
<u>5</u>	-	-	<u>SCOORD</u>	<u>DCID (yyyy) CAD Geometry Secondary Graphical Representation</u>	<u>1-n</u>	<u>U</u>	-	
<u>6</u>	≥	<u>R-SELECTED FROM</u>	<u>IMAGE</u>	-	<u>1</u>	<u>M</u>	-	<u>Shall reference the same content item as row 2</u>

Add to PS 3.16, Annex B

CID yyyy CAD Geometry Secondary Graphical Representation

Context ID yyyy

CAD Geometry Secondary Graphical Representation

Type: Extensible Version: yyyyymmdd

<u>Coding Scheme Designator (0008,0102)</u>	<u>Code Value (0008,0100)</u>	<u>Code Meaning (0008,0104)</u>
<u>DCM</u>	<u>yyyxx1</u>	<u>Outline of lobulations</u>
<u>DCM</u>	<u>yyyxx2</u>	<u>Inner limits of fuzzy margin</u>
<u>DCM</u>	<u>yyyxx3</u>	<u>Outer limits of fuzzy margin</u>
<u>DCM</u>	<u>yyyxx4</u>	<u>Outline of spiculations</u>
<u>DCM</u>	<u>yyyxx5</u>	<u>Linear spiculation</u>
<u>DCM</u>	<u>yyyxx6</u>	<u>Pixelated spiculations</u>
<u>SRT</u>	<u>G-A185</u>	<u>Long axis</u>
<u>SRT</u>	<u>G-A186</u>	<u>Short axis</u>
<u>DCM</u>	<u>yyyxx9</u>	<u>Orthogonal location arc</u>
<u>DCM</u>	<u>yyyx10</u>	<u>Orthogonal location arc inner margin</u>
<u>DCM</u>	<u>yyyx11</u>	<u>Orthogonal location arc outer margin</u>

Add to PS 3.16, Annex D

<u>yyyx1</u>	<u>Outline of lobulations</u>	<u>A polyline defining the outline of a lobulated finding</u>
<u>yyyx2</u>	<u>Inner limits of fuzzy margin</u>	<u>A polyline defining the inner limits of a finding with fuzzy margin</u>
<u>yyyx3</u>	<u>Outer limits of fuzzy margin</u>	<u>A polyline defining the outer limits of a finding with fuzzy margin</u>
<u>yyyx4</u>	<u>Outline of spiculations</u>	<u>A polyline defining the outline of the spiculations of a finding</u>
<u>yyyx5</u>	<u>Linear spiculation</u>	<u>A polyline segment graphically indicating the location and direction of a spiculation of a finding</u>
<u>yyyx6</u>	<u>Pixelated spiculations</u>	<u>A collection of points indicating the pixel locations of the spiculations of a finding</u>
<u>yyyx9</u>	<u>Orthogonal location arc</u>	<u>Connected line segments indicating the center of location of a finding on an orthogonal view</u>
<u>yyyx10</u>	<u>Orthogonal location arc inner margin</u>	<u>Connected line segments indicating the inner margin of the location of a finding on an orthogonal view</u>
<u>yyyx11</u>	<u>Orthogonal location arc outer margin</u>	<u>Connected line segments indicating the outer location of a finding on an orthogonal view</u>