

1	Status	Assigned
2	Date of Last Update	2026/04/20
3	Person Assigned	David Clunie
4		mailto:dclunie@dclunie.com
5	Submitter Name	Daniela Schacherer
6		mailto:daniela.schacherer@mevis.fraunhofer.de
7	Submission Date	2025/04/24

8	Correction Number CP-2542	
9	Log Summary: Clarify Image Region Concept	
10	Name of Standard	
11	PS3.16	
12	Rationale for Correction:	
13	The definition of Image Region is unnecessarily specific to one of its potential uses and could be generalized to allow its re-use in	
14	other contexts.	
15	<i>[Ed.Note: What is the relationship to NCI:C85402 "Imaging Region of Interest", which is defined as "A specific area of interest defined</i>	
16	<i>by a sequence of image overlays or a sequence of contours described as a single point (for a point ROI) or more than one point</i>	
17	<i>(representing an open or closed polygon)."? Replacement of DCM:111030 would be disruptive. Corresponding UMLS:C2827628</i>	
18	<i>has no other mappings than to NCI concept.]</i>	
19	<i>[Ed.Note: Initial use of DCM:111030 with SCOORD-specific definition was in Sup 50 Mammography CAD supplement, then re-used</i>	
20	<i>for planar and volume measurements in CP-1112.]</i>	
21	Correction Wording:	

Amend DICOM PS3.16 as follows (changes to existing text are bold and underlined for additions and ~~struckthrough~~ for removals):

D DICOM Controlled Terminology Definitions (Normative)

Table D-1. DICOM Controlled Terminology Definitions (Coding Scheme Designator "DCM" Coding Scheme Version "01")

Code Value	Code Meaning	Definition	Notes
111030	Image Region	Purpose of reference for an SCOORD Content Item that identifies a specific region of interest within an image.	<u>May be used as the</u> Purpose of Reference for <u>a</u> Content Item of value type COMPOSITE or SCOORD. <u>May be used to name a value used to communicate the identifier of a region of interest.</u>
130488	Region in Space	A continuous part of space, not necessarily associated with a particular image.	
130489	Referenced Region of Interest Identifier	A reference to an identifier of a Region of Interest. For example, the value of ROI Number (3006,0022) within an Item of Structure Set ROI Sequence (3006,0020) in an Instance of RT Structure Set Storage SOP Class.	

For reference unchanged DICOM PS3.16:

TID 1410 Planar ROI Measurements and Qualitative Evaluations

Table TID 1410. Planar ROI Measurements and Qualitative Evaluations

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
5	>	CONTAINS	SCOORD	EV (111030, DCM, "Image Region")	1	MC	XOR Rows 7, 7b, 8b	GRAPHIC TYPE = not {MULTIPOINT}
6	>>	SELECTED FROM	IMAGE		1	M		
...							I	
8b	>	CONTAINS	COMPOSITE	EV (130488, DCM, "Region in Space")	1	MC	XOR Rows 5, 7, 7b	Reference shall be to an Instance of the RT Structure Set Storage SOP Class.
8c	>>	HAS PROPERTIES	TEXT	EV (130489, DCM, "Referenced Region of Interest Identifier")	1	M		Shall be the value of ROI Number (3006,0022) within the single referenced Item of Structure Set ROI Sequence (3006,0020) of the referenced Instance of the RT Structure Set Storage SOP Class.
9	>	CONTAINS	IMAGE	EV (121200, DCM, "Illustration of ROI")	1	U		

Content Item Descriptions

Rows 8b, 8c	A reference to a single ROI that defines a planar ROI, within an RT Structure Set.
-------------	--

CID 272 Specific Observation Subject Class

Version: 20221201

Table CID 272. Specific Observation Subject Class

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
DCM	121025	Patient		
DCM	113014	Study		
DCM	113015	Series		
NCIt	C48179	Image		C1704922
DCM	130781	Image frame		
NCIt	C85402	Imaging Region of Interest		C0807727
SCT	260893003	Waveform	G-C0AE	C0450448