

DICOM Correction Proposal Form

Correction Number		CP-291
Log Summary: Ultrasound Stage-View Preference (Best Object Selection)		
Type of Modification	Name of Standard	
Addition	PS 3.16 2001	
<p>Rationale for Correction</p> <p>A common feature of ultrasound systems is that the user can select which image is considered best diagnostically in a given Protocol Stage and View. There is currently no way to convey this information. A means of conveying such information in Key Object Selection SOP Instances is proposed by adding a new Key Object Selection Document Title.</p> <p>This CP proposes a generic mechanism for specifying the best images in a set rather than one specific to just ultrasound stage-views. It proposes the addition of a new Key Object Selection Document Title "Best In Set". Such a 'generic' Document Title has the advantage that it can then be used to identify the best images in medical imaging sets other than just ultrasound stage-views. This title also does not specify 'images' so it can be used to identify other types of Composite SOP Instances.</p> <p>In order to clarify the nature of the 'set' being referred to by "Best In Set" it is proposed that the Document Title Modifier be used. A new Context Group is created specifically for the purpose of clarifying the nature of such 'sets'.</p>		
Sections of documents affected		
PS 3.16		
Correction Wording:		

Add "Best In Set" to Context ID 7010 - Key Object Selection Document Titles.

Context ID 7010
Key Object Selection Document Title

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
DCM	113013	Best In Set

Modify TID 2010 – Key Object Selection.

**TID 2010
 KEY OBJECT SELECTION**

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	DCID(7010) Key Object Selection Document Titles	1	M		Root node
2	>	HAS CONCEPT MOD	CODE	EV (113011, DCM, "Document Title Modifier")	1-n	U		
3	>	HAS CONCEPT MOD	CODE	EV (113011, DCM, "Document Title Modifier")	1	UC	IF Row 1 Concept Name = (113001, DCM, "Rejected for Quality Reasons") or (113010, DCM, "Quality Issue")	DCID (7011)
4	>	HAS CONCEPT MOD	CODE	EV (113011, DCM, "Document Title Modifier")	1	MC	IF Row 1 Concept Name = (113013, DCM, "Best in Set")	DCID (7012)
4	>	HAS CONCEPT MOD	INCLUDE	ETID(1204) Language of Content Item and Descendants	1	U		
5	>	HAS OBS CONTEXT	INCLUDE	ETID(1002) Observer Context	1	U		
6	>	CONTAINS	TEXT	EV(113012, DCM, "Key Object Description")	1	U		
7	>	CONTAINS	IMAGE	Purpose of Reference shall not be present	1-n	MC	At least one of Rows 7, 8, and 9 shall be present	
8	>	CONTAINS	WAVEFORM	Purpose of Reference shall not be present	1-n	MC	At least one of Rows 7, 8, and 9 shall be present	
9	>	CONTAINS	COMPOSITE	Purpose of Reference shall not be present	1-n	MC	At least one of Rows 7, 8, and 9 shall be present	Shall not reference another Key Object Selection Document
10								

Create Context ID 7012 – Best In Set.

Note that the Code Values stipulated here have been assigned by using consecutive numbers starting from the next available number after those specified for Key Object Description. If these Code Values are altered when adding these coded concepts to the DICOM Standard then make sure to also change the Code Values stipulated for these concepts in Supplement 45.

Context ID 7012
Best In Set
(Most Restrictive Use: Defined)

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
<u>DCM</u>	<u>113014</u>	<u>Study</u>
<u>DCM</u>	<u>113015</u>	<u>Series</u>
<u>DCM</u>	<u>113016</u>	<u>Performed Procedure Step</u>
<u>DCM</u>	<u>113017</u>	<u>Stage-View</u>

Add definitions to Annex D Dicom Code Definitions

Code Value	Code Meaning	Definition
<u>113013</u>	<u>Best In Set</u>	
<u>113014</u>	<u>Study</u>	
<u>113015</u>	<u>Series</u>	
<u>113016</u>	<u>Performed Procedure Step</u>	
<u>113017</u>	<u>Stage-View</u>	