

## DICOM Correction Proposal

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Correction Number	CP-2240
Log Summary: Fix inconsistencies regarding Storage SOP Class names and Related General SOP Classes	
Name of Standard PS3.4 2022e	
Rationale for Correction:  Table B.3-3 in PS3.4 does not use the official SOP Class names (from PS3.6) for the various Structured Reporting (SR) Storage SOP Classes. For all of them, the suffix “Storage” is missing while it is present for the other SOP Classes that are listed in this table. It is proposed to always use the official SOP Class name, i.e. the one from PS3.6 Table A-1.  Furthermore, for the Enhanced X-Ray Radiation Dose SR Storage SOP Class, three Related General SOP Classes are listed that are not “compatible” because the recently added Value Type “TABLE” is not supported. It is proposed to remove them from the list.  Also, the name of the Storage SOP Class for the Implantation Plan SR Document IOD is somewhat inconsistent, see e.g. PS3.6 Table A-1 and PS3.4 Table B.5-1. The same is true for PS3.2 Table A.1-2, but this part of the DICOM standard is currently under complete revision anyway (see Supplement 209).	
Correction Wording:	

*Change PS3.4 Section B.3.1.4*

### **B.3.1.4 Related General SOP Classes (A-ASSOCIATE-RQ)**

A limited set of Standard SOP Classes in the Storage Service Class are defined to have one or more Related General SOP Classes. The Related General SOP Classes may be conveyed using the SOP Class Relationship Extended Negotiation during association establishment as defined in PS3.7. Table B.3-3 identifies which Standard SOP Classes participate in this mechanism. If a Standard SOP Class is not listed in this table, Related General SOP Classes shall not be included in a Related Storage SOP Class Extended Negotiation Sub-Item.

**Note**

Implementation-defined Specialized SOP Classes (see PS3.2) of the Storage Service Class may convey a Related General SOP Class.

**Table B.3-3. Standard and Related General SOP Classes**

SOP Class Name	Related General SOP Class Name
12-lead ECG Waveform Storage	General ECG Waveform Storage
Digital Mammography X-Ray Image Storage - For Presentation	Digital X-Ray Image Storage - For Presentation
Digital Mammography X-Ray Image Storage - For Processing	Digital X-Ray Image Storage - For Processing

SOP Class Name	Related General SOP Class Name
Digital Intra-Oral X-Ray Image Storage - For Presentation	Digital X-Ray Image Storage - For Presentation
Digital Intra-Oral X-Ray Image Storage - For Processing	Digital X-Ray Image Storage - For Processing
Basic Text SR <u>Storage</u>	Enhanced SR <u>Storage</u>
	Comprehensive SR <u>Storage</u>
	Comprehensive 3D SR <u>Storage</u>
	Extensible SR <u>Storage</u>
Enhanced SR <u>Storage</u>	Comprehensive SR <u>Storage</u>
	Comprehensive 3D SR <u>Storage</u>
	Extensible SR <u>Storage</u>
Comprehensive SR <u>Storage</u>	Comprehensive 3D SR <u>Storage</u>
	Extensible SR <u>Storage</u>
Comprehensive 3D SR <u>Storage</u>	Extensible SR <u>Storage</u>
Procedure Log <u>Storage</u>	Enhanced SR <u>Storage</u>
	Comprehensive SR <u>Storage</u>
	Comprehensive 3D SR <u>Storage</u>
	Extensible SR <u>Storage</u>
Simplified Adult Echo SR <u>Storage</u>	Enhanced SR <u>Storage</u>
	Comprehensive SR <u>Storage</u>
	Comprehensive 3D SR <u>Storage</u>
	Extensible SR <u>Storage</u>
X-Ray Radiation Dose SR <u>Storage</u>	Enhanced SR <u>Storage</u>
	Comprehensive SR <u>Storage</u>
	Comprehensive 3D SR <u>Storage</u>
	Extensible SR <u>Storage</u>
Radiopharmaceutical Radiation Dose SR <u>Storage</u>	Enhanced SR <u>Storage</u>
	Comprehensive SR <u>Storage</u>
	Comprehensive 3D SR <u>Storage</u>
	Extensible SR <u>Storage</u>

SOP Class Name	Related General SOP Class Name
Patient Radiation Dose SR <u>Storage</u>	Enhanced SR <u>Storage</u>
	Comprehensive SR <u>Storage</u>
	Comprehensive 3D SR <u>Storage</u>
	Extensible SR <u>Storage</u>
Enhanced X-Ray Radiation Dose SR <u>Storage</u>	<del>Enhanced SR</del>
	<del>Comprehensive SR</del>
	<del>Comprehensive 3D SR</del>
	Extensible SR <u>Storage</u>
Acquisition Context SR <u>Storage</u>	Enhanced SR <u>Storage</u> (see <del>n</del> Note)
	Comprehensive SR <u>Storage</u> (see <del>n</del> Note)
	Comprehensive 3D SR <u>Storage</u>
	Extensible SR <u>Storage</u>
Spectacle Prescription Report <u>Storage</u>	Enhanced SR <u>Storage</u>
Macular Grid Thickness and Volume Report <u>Storage</u>	Enhanced SR <u>Storage</u>
Enhanced CT Image Storage	Legacy Converted Enhanced CT Image Storage
Enhanced MR Image Storage	Legacy Converted Enhanced MR Image Storage
Enhanced PET Image Storage	Legacy Converted Enhanced PET Image Storage

Note

The Acquisition Context SR may be encoded as Enhanced or Comprehensive SR only if it does not contain stereotactic coordinates (SCoord3D).

*Change PS3.4 Section B.5*

## B.5 Standard SOP Classes

The SOP Classes in the Storage Service Class identify the Composite IODs to be stored. Table B.5-1 identifies Standard SOP Classes.

**Table B.5-1. Standard SOP Classes**

SOP Class Name	SOP Class UID	IOD Specification (defined in PS3.3)	Specialization
...			
Implantation Plan SR- <del>Document</del> Storage	1.2.840.10008.5.1.4.1.1.88.70	Implantation Plan SR Document IOD	

SOP Class Name	SOP Class UID	IOD Specification (defined in PS3.3)	Specialization
...			

For reference see PS3.6 Chapter A

# A Registry of DICOM Unique Identifiers (UIDs) (Normative)

Table A-1 lists the UID values that are registered and used throughout the Parts of the DICOM Standard. This central registry ensures that when additional UIDs are assigned, non-duplicate values are assigned. For retired UIDs, the edition of the Standard in parentheses is the edition in which the item last appeared before it was retired.

**Table A-1. UID Values**

UID Value	UID Name	UID Keyword	UID Type	Part
...				
1.2.840.10008.5.1.4.1.1.88.70	Implantation Plan SR Storage	ImplantationPlanSRStorage	SOP Class	PS3.4
...				