

DICOM Correction Item

Correction Number		CP-568
Log Summary: Add Stereometric Relationship to figures and media		
Type of Modification	Name of Standard	
Correction	PS 3.3 2008	
Rationale for Correction:		
<p>1. The Stereometric Relationship Storage SOP Class is a non-image object. As such, if the object were placed on media, the current definition of the DICOMDIR does not contain a directory record that would be suitable for referencing an object of this SOP Class. This should be added.</p> <p>2. The information model appears not to be updated with the Stereometric relationship object</p>		
Sections of documents affected		
PS 3.3 A.43.1, F.3 and F.4		
Correction Wording:		

Add Stereometric Relationship entity to PS 3.3 Figure 7-1a.

Add Stereometric Relationship IOD to PS 3.3 Figure 7-2a.

Amend PS 3.3 Annex F to include STEROOMETRIC directory record type

Table F.3-3
DIRECTORY INFORMATION MODULE

...			
-----	--	--	--

<p>>Directory Record Type</p>	<p>(0004,1430)</p>	<p>1C</p>	<p>Defines a specialized type of Directory Record by reference to its position in the Media Storage Directory Information Model (see Section F.4).</p> <p>Required if the Directory Record Sequence (0004,1220) is not zero length.</p> <p>Enumerated Values (see Section F.5):</p> <table border="0"> <tr> <td>PATIENT</td> <td>STUDY</td> <td>SERIES</td> </tr> <tr> <td>IMAGE</td> <td>OVERLAY</td> <td>MODALITY LUT</td> </tr> <tr> <td>VOI LUT</td> <td>CURVE</td> <td>TOPIC</td> </tr> <tr> <td>VISIT</td> <td>RESULTS</td> <td>INTERPRETATION</td> </tr> <tr> <td>STUDY COMPONENT</td> <td></td> <td>STORED PRINT</td> </tr> <tr> <td>RT DOSE</td> <td>RT STRUCTURE SET</td> <td></td> </tr> <tr> <td>RT PLAN</td> <td>RT TREAT RECORD</td> <td></td> </tr> <tr> <td>PRESENTATION</td> <td></td> <td>WAVEFORM</td> </tr> <tr> <td>SR DOCUMENT</td> <td></td> <td>KEY OBJECT DOC</td> </tr> <tr> <td>SPECTROSCOPY</td> <td></td> <td>RAW DATA</td> </tr> <tr> <td>REGISTRATION</td> <td></td> <td>FIDUCIAL</td> </tr> </table> <p><u>STEREOMETRIC</u></p> <p>PRIVATE = Privately defined record hierarchy position. Type shall be defined by Private Record UID (0004,1432).</p> <p>MRDR = Special Directory Record which allows indirect reference to a File by multiple Directory Records. Instead of directly referencing a File by its Referenced File ID (0004,1500), a Directory Record of any of the Types define above (except MRDR) may reference a Multi-Referenced File Directory Record which in turn will reference the File by its File ID.</p> <p>Note: Enumerated Values PRINT QUEUE, FILM SESSION, FILM BOX, and IMAGE BOX were previously defined in DICOM for this Attribute. They are now retired. See PS3.3-1998.</p>	PATIENT	STUDY	SERIES	IMAGE	OVERLAY	MODALITY LUT	VOI LUT	CURVE	TOPIC	VISIT	RESULTS	INTERPRETATION	STUDY COMPONENT		STORED PRINT	RT DOSE	RT STRUCTURE SET		RT PLAN	RT TREAT RECORD		PRESENTATION		WAVEFORM	SR DOCUMENT		KEY OBJECT DOC	SPECTROSCOPY		RAW DATA	REGISTRATION		FIDUCIAL
PATIENT	STUDY	SERIES																																		
IMAGE	OVERLAY	MODALITY LUT																																		
VOI LUT	CURVE	TOPIC																																		
VISIT	RESULTS	INTERPRETATION																																		
STUDY COMPONENT		STORED PRINT																																		
RT DOSE	RT STRUCTURE SET																																			
RT PLAN	RT TREAT RECORD																																			
PRESENTATION		WAVEFORM																																		
SR DOCUMENT		KEY OBJECT DOC																																		
SPECTROSCOPY		RAW DATA																																		
REGISTRATION		FIDUCIAL																																		
<p>...</p>																																				

F.4 BASIC DIRECTORY IOD INFORMATION MODEL

**Table F.4-1
RELATIONSHIP BETWEEN DIRECTORY RECORDS**

Directory Record Type	Section	Directory Record Types which may be included in the next lower-level directory Entity
(Root Directory Entity)	—	PATIENT, TOPIC, PRIVATE
PATIENT	F.5.1	STUDY, PRIVATE
STUDY	F.5.2	SERIES, VISIT, RESULTS, STUDY COMPONENT PRIVATE
SERIES	F.5.3	IMAGE, OVERLAY, MODALITY LUT, VOI LUT, CURVE, STORED PRINT, RT DOSE, RT STRUCTURE SET, RT PLAN, RT TREAT RECORD, PRESENTATION, WAVEFORM, SR DOCUMENT, KEY OBJECT DOC, SPECTROSCOPY, RAW DATA, REGISTRATION, FIDUCIAL,

		STEREOMETRIC , PRIVATE
IMAGE	F.5.4	PRIVATE
OVERLAY	F.5.5	PRIVATE
MODALITY LUT	F.5.6	PRIVATE
VOI LUT	F.5.7	PRIVATE
CURVE	F.5.8	PRIVATE
STORED PRINT	F.5.18	PRIVATE
RT DOSE	F.5.19	PRIVATE
RT STRUCTURE SET	F.5.20	PRIVATE
RT PLAN	F.5.21	PRIVATE
RT TREAT RECORD	F.5.22	PRIVATE
PRESENTATION	F.5.23	PRIVATE
WAVEFORM	F.5.24	PRIVATE
SR DOCUMENT	F.5.25	PRIVATE
KEY OBJECT DOC	F.5.26	PRIVATE
VISIT	F.5.10	PRIVATE
RESULTS	F.5.11	INTERPRETATION, PRIVATE
INTERPRETATION	F.5.12	PRIVATE
STUDY COMPONENT	F.5.13	PRIVATE
PRIVATE	F.6.1	PRIVATE, (any of the above as privately defined)
MRDR	F.6.2	(Not applicable)

F.5 DEFINITION OF SPECIFIC DIRECTORY RECORDS

Add Stereometric relationship to Figure F.4-1

Add Stereometric Relationship directory record definition in F.5

F.5.35 Stereometric Relationship directory record definition

The Directory Record is based on the specification of Section F.3. It is identified by a Directory Record Type of Value "STEREOMETRIC." Table F.5-xx lists the set of keys with their associated Types for such a Directory Record Type. The description of these keys may be found in the Modules related to the Stereometric Relationship IE of Stereometric Relationship IOD. This Directory Record shall be used to reference a Stereometric Relationship SOP Instance. This type of Directory Record may reference a Lower-Level Directory Entity that includes one or more Directory Records as defined in Table F.4-1.

Table F.5-35
STEREOMETRIC RELATIONSHIP KEYS

Key	Tag	Type	Attribute Description
Specific Character Set	(0008,0005)	1C	Required if an extended or replacement character set is used in one of the keys.
Any other Attribute of the Stereometric relationship IE Modules		3	

Note: Because (0004,1511) Referenced SOP Instance UID in File may be used as a "pseudo" Directory Record Key (See Table F.3-3), it is not duplicated in this list of keys.