

DICOM Correction Item

Correction Number		CP-628
Log Summary: Directory record type for stereometric relationships		
Type of Modification	Name of Standard	
Addition	PS 3.3 2006	
<p>Rationale for Correction</p> <p>Supplement 91 introduced a stereometric relationship storage SOP class together with ophthalmology image storage classes, but did not create an appropriate directory record type to use with the SOP Class.</p> <p>Since no existing directory record types seem appropriate, a new one is created.</p> <p>Note that there is almost no content in the directory record (other than the reference itself), since the stereometric relationship IOD does not contain Instance Numbers, Content Dates and Times, Creator information, etc.</p>		
Sections of documents affected		
PS 3.3 F.		
Correction Wording:		

Modify PS3.3 Annex F to include directory record for Stereometric Relationship object and fix Figure F.4-1 accordingly:

F.3.2.2 Directory Information Module

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**Table F.3-3
 DIRECTORY INFORMATION MODULE**

Attribute Name	Tag	Type	Attribute Description																														
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>Directory Record Type	(0004,1430)	1C	<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 style="width: 100%; border: none;"> <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 colspan="2">STORED PRINT</td> </tr> <tr> <td>RT DOSE</td> <td colspan="2">RT STRUCTURE SET</td> </tr> <tr> <td>RT PLAN</td> <td colspan="2">RT TREAT RECORD</td> </tr> <tr> <td>PRESENTATION</td> <td colspan="2">WAVEFORM</td> </tr> <tr> <td>SR DOCUMENT</td> <td colspan="2">KEY OBJECT DOC</td> </tr> <tr> <td>SPECTROSCOPY</td> <td colspan="2">RAW DATA</td> </tr> </table>	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	
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			REGISTRATION FIDUCIAL <u>STEREOMETRIC</u> PRIVATE = Privately defined record hierarchy position. Type shall be defined by Private Record UID (0004,1432). 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. 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.
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F.4 BASIC DIRECTORY IOD INFORMATION MODEL

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**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, <u>STEREOMETRIC</u> , 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
SPECTROSCOPY	F.5.27	PRIVATE
RAW DATA	F.5.28	PRIVATE
REGISTRATION	F.5.29	PRIVATE
FIDUCIAL	F.5.30	PRIVATE
<u>STEREOMETRIC</u>	<u>F.5.xx</u>	<u>PRIVATE</u>
TOPIC	F.5.9	STUDY, SERIES, 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, <u>STEREOMETRIC</u> , 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)

Add PS3.3 F.5. Stereometric Relationship directory record:

F.5.xx 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.4-2.

**Table F.5-xx
 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.