

DICOM Correction Item

Correction Number		CP-979
Log Summary: Add directory record for surface segmentation		
Type of Modification	Name of Standard	
Correction	PS 3.3 - 2009	
Rationale for Correction		
Sup 132 added a new surface segmentation IOD but no corresponding directory record.		
Note that the raster segmentation IOD is an image and can be referenced using the IMAGE directory record.		
Sections of documents affected		
PS 3.3 Annex F		
Correction Wording:		

Add Palette Directory Record to PS 3.3 Annex F:

Table F.3-3
DIRECTORY INFORMATION MODULE

Attribute Name	Tag	Type	Attribute Description
>Directory Record Type	(0004,1430)	1C	... Enumerated Values (see Section F.5): <u>SURFACE</u>

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
...
SERIES	F.5.3	IMAGE, RT DOSE, RT STRUCTURE SET, RT PLAN, RT TREAT RECORD, PRESENTATION, WAVEFORM, SR DOCUMENT, KEY OBJECT DOC, SPECTROSCOPY, RAW DATA, REGISTRATION, FIDUCIAL, ENCAP DOC, VALUE MAP, STEREOMETRIC, <u>SURFACE</u> , PRIVATE
...		
<u>SURFACE</u>	<u>F.5.X</u>	<u>PRIVATE</u>

Update Figure F.4-1 Basic Directory IOD Information Model: add Surface DR below the Series DR, as 0-n under "<references>".

Add Directory Record to F.5:

F.5.X Surface 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 "SURFACE". Table F.5-34 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 Surface IE of the Surface Segmentation IOD. This Directory Record shall be used to reference a Surface Segmentation 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-X
SURFACE 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.
Content Date	(0008,0023)	1	The date the content creation started.
Content Time	(0008,0033)	1	The time the content creation started.
<i>Include Content Identification Macro Table 10-12</i>			
Any other Attribute of the Surface 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.