

DICOM Item

Correction Number		CP-820
Log Summary: Inconsistency in Segmentation Image Module		
Type of Modification	Name of Standard	
Correction	PS 3.3 – 2007	
Rationale for Correction		
There is an inconsistency between the Segmentation Fractional Type attribute description and the referenced section.		
Sections of documents affected		
PS 3.3 C.8.20.2 and C.8.20.2.3		
Correction Wording:		

**C.8.20.2 Segmentation Image Module**

Table C.8.20-2 defines the general Attributes of the Segmentation Image Module.

**Table C.8.20-2  
 SEGMENTATION IMAGE MODULE ATTRIBUTES**

Attribute Name	Tag	Type	Attribute Description
...			
Segmentation Fractional Type	(0062,0010)	1C	For fractional segmentation encoding, the meaning of the fractional value. Enumerated Values are: PROBABILITY OCCUPANCY Required if Segmentation Type (0062,0001) is FRACTIONAL. See section C.8.20.2.3.
...			

**C.8.20.2.3 Segmentation Type and Segmentation Fractional Type**

BINARY indicates the segmented property is present with a value of 1 and absent with a value of 0.

FRACTIONAL segmentation is defined as a value from zero to the Maximum Fractional Value (0062,000E). A FRACTIONAL segmentation shall be further specified via the Segmentation Fractional Type (0062,0010) attribute, with the following values:

- PROBABILISTIC PROBABILITY** Defines the probability, as a percentage, that the segmented property occupies the spatial area defined by the voxel.
- OCCUPANCY** Defines the percentage of the voxel area occupied by the segmented property.

