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DICOM Correction Item

Correction Number		CP-417
Log Summary: Add US Region Bit Flags		
Type of Modification	Name of Standard	
Addition	PS 3.3, 2003	
Rationale for Correction: Supplement 84 discusses how sweeping and scrolling US Regions should be handled but there is no way to automatically detect whether an US Region is scrolling or sweeping. This CP adds additional Bit fields to the Region Flags (0018,6016) so that a US Region can be described as sweeping or scrolling.		
Sections of documents affected: PS3.3, C.8.5.5.1.3		
Correction Wording:		

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Add new Bit fields to the Region Flags, PS 3.3, C.8.5.5.1.3:

4 **C.8.5.5.1.3 Region Flags**

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6 Enumerated Values for Bit 1 Scaling Protection:

1 = Protected

8 0 = Not Protected

10 Ultrasound systems should set this to 1 if the image is scaled automatically by the ultrasound
system. If the image is frame-grabbed and scaling is not available then it should be set to 0. If
12 the region is protected, the region can not be manually rescaled. That is the data defined by
the region calibration Module can not be overridden by a reader of that image.

14 Enumerated Values for Bit 2 Doppler Scale Type:

1 = Frequency

0 = Velocity

16 Valid for PW and CW regions only. Indicates which type of doppler scale is used.

Enumerated Values for Bit 3-4 Scrolling Region:

18 **00 = Unspecified**

01 = Scrolling

20 **10 = Sweeping**

11 = Sweeping then Scrolling

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Bit ~~35~~ 31 Reserved for future use, shall be set to zero.

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