

## DICOM Correction Item

Correction Number		CP-120 (Final Text)
Log Summary: Clarify padding for encoded pixel data		
Type of Modification: Clarification	Name of Standard PS 3.5-1998	
Rationale for Correction:  Section A.4 of PS 3.5-1996 contains the following:  All items containing an encoded fragment shall be made of an even number of bytes greater or equal to two. The last fragment of the DICOM message may be padded, if necessary, to meet fragment format requirement of the DICOM Standard.  The sentence is misleading in that it implies that only 1 sequence item (fragment) may need to be padded, when in fact, the last sequence item (fragment) of each frame may need to be padded.  In addition, it is not clear whether any necessary padding will occur after the JPEG data stream EOI (end of image) marker, or within the JPEG data stream itself (such that the EOI marker ends on an even byte boundary).		
Sections of document affected:  Section A.4		
Correction Wording:  The sentence above should be changed to read:  All items containing an encoded fragment shall be made of an even number of bytes greater or equal to two. The last fragment of a frame may be padded, if necessary, to meet the sequence item format requirement of the DICOM Standard.  Notes: 1. Any necessary padding may be added in the JPEG compressed data stream as per ISO 10918-1 such that the EOI marker ends on an even byte boundary, or may be appended after the End of Image (EOI) marker, depending on the implementation.  2. ISO 10918-1 defines the ability to add any number of padding bytes FFH before any marker (all of which also begin with FFH). It is strongly recommended that FFH padding bytes not be added before the Start of Image (SOI) marker.		