

DICOM Correction Proposal Form

Correction Number		CP-283
Log Summary: Clarification: Multi-frame with empty Basic Offset Table is valid DICOM		
Type of Modification	Name of Standard	
Clarification	PS 3.5 2001	
Rationale for Correction		
Implementations that use a empty Basic Offset Table (Item Length is zero) are valid DICOM objects with an transfer syntaxes for Encapsulation of Encoded Pixel Data.		
This is not well understood. Proposed is to put a note that emphasis that an offset table length of zero has to be accepted by decoders of encapsulated multi-fame pixel data.		
Sections of documents affected		
PS 3.5 A.4		
Correction Wording:		

- The first Item in the Sequence of Items before the encoded Pixel Data Stream shall be a Basic Offset Table item. The Basic Offset Table Item Value, however, is not required to be present.
 - When the Item Value is not present, the Item Length shall be zero (00000000H) (see Table A.4-1).
 - When the Item Value is present, the Basic Offset Table Item Value shall contain concatenated 32-bit unsigned integer values that are byte offsets to the first byte of the Item Tag of the first fragment for each frame in the Sequence of Items. These offsets are measured from the first byte of the first Item Tag following the Basic Offset Table item (See Table A.4-2).

Notes: 1. For a Multi-Frame Image containing only one frame or a Single Frame Image, the Basic Offset Table Item Value may be present or not. If present it will contain a single 00000000H value.

2. Decoders of encapsulated pixel data , whether Single Frame or Multi-Frame, need to accept both an empty Basic Offset Table (zero length) and a Basic Offset Table filled with 32 bit offset values.