

DICOM Correction Item

Correction Number	CP-470
Log Summary: Add Multiframe Secondary Capture JPEG 2000 Photometric Interpretations	
Type of Modification	Name of Standard
Clarification	PS 3.3 2004
Rationale for Correction	
<p>The Multiframe True Color Secondary Capture specifies enumerated values for Photometric Interpretation that are intended to be extended as new color transformations specific to compression transfer syntaxes are added. An existing note specifically calls this out.</p> <p>Supplement 61 added YBR_RCT and YBR ICT but did not add these to the MF SC IOD as should have been done. See also Supplement 42 that already added MPEG2.</p>	
Sections of documents affected	
PS 3.3 A.8.5.4	
Correction Wording:	

A.8.5.4 Multi-frame True Color SC Image IOD Content Constraints

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In the Image Pixel Module, the following constraints apply:

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- Photometric Interpretation (0028,0004) shall be RGB for uncompressed or lossless compressed transfer syntaxes, **YBR_RCT or YBR ICT for JPEG 2000 transfer syntaxes**, YBR_PARTIAL_420 for MPEG2 transfer syntaxes and YBR_FULL_422 for other lossy compressed transfer syntaxes

Note: Future lossless and lossy transfer syntaxes may lead to the need for new definitions and choices for Photometric Interpretation, ~~such as the proposed RCT (Reversible Color Transformation) used in JPEG 2000.~~