

DICOM Correction Item

Correction Number CP-416	
Log Summary: Photometric Interpretation for JPEG 2000 and MF SC IOD	
Type of Modification Omission	Name of Standard PS 3.3 2003
Rationale for Correction: The Photometric Interpretation for Multiframe RGB Secondary Capture images is constrained to RGB plus those specific to compression Transfer Syntaxes. A note envisages that these be extended as new Transfer Syntaxes are added, such as those for JPEG 2000, but Supplement 61 neglected to do this.	
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 **that do not involve color space transformations, YBR ICT for irreversible JPEG 2000 transfer syntaxes, YBR RCT for reversible JPEG 2000 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.~~

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