

DICOM Correction Proposal

STATUS	Submitted
Date of Last Update	2017/03/06
Person Assigned	Wim Corbijn
Submitter Name	Wim Corbijn
Submission Date	2016/12/02

Correction Number	CP-1687
Log Summary: Allow Segmented Color LUT in Color Palette IOD	
Name of Standard	PS3.3
<p>Rationale for Correction:</p> <p>Newly defined Color Palette IOD's are using the segmented LUT.</p> <p>This is currently not allowed as specified in Table C.7-22a Palette Color Lookup Table Macro Attributes</p> <p>Propose to remove this restriction.</p>	
Correction Wording:	

Item #1: Amend PS3.3 Table C.7-22a Remove restriction on usage of Segmented LUTs for Color Palette IOD

Table C.7-22a. Palette Color Lookup Table Macro Attributes

Attribute Name	Tag	Type	Attribute Description
Red Palette Color Lookup Table Descriptor	(0028,1101)	1	Specifies the format of the Red Palette Color Lookup Table Data (0028,1201). See Section C.7.6.3.1.5 for further explanation.
Green Palette Color Lookup Table Descriptor	(0028,1102)	1	Specifies the format of the Green Palette Color Lookup Table Data (0028,1202). See Section C.7.6.3.1.5 for further explanation.
Blue Palette Color Lookup Table Descriptor	(0028,1103)	1	Specifies the format of the Blue Palette Color Lookup table Data (0028,1203). See Section C.7.6.3.1.5 for further explanation.
Palette Color Lookup Table UID	(0028,1199)	3	Palette Color Lookup Table UID. See Section C.7.9.1 for further explanation.
Red Palette Color Lookup Table Data	(0028,1201)	1C	Red Palette Color Lookup Table Data. Required if segmented data is NOT used in an Image IOD ₇ or if the IOD is a Presentation State IOD or Color Palette IOD . See Section C.7.6.3.1.6 for further explanation.
Green Palette Color Lookup Table Data	(0028,1202)	1C	Green Palette Color Lookup Table Data. Required if segmented data is NOT used in an Image IOD ₇ or if the IOD is a Presentation State IOD or Color Palette IOD . See Section C.7.6.3.1.6 for further explanation.

Attribute Name	Tag	Type	Attribute Description
Blue Palette Color Lookup Table Data	(0028,1203)	1C	Blue Palette Color Lookup Table Data. Required if segmented data is NOT used in an Image IOD ₇ , or if the IOD is a Presentation State IOD or Color Palette IOD . See Section C.7.6.3.1.6 for further explanation.
Segmented Red Palette Color Lookup Table Data	(0028,1221)	1C	Segmented Red Palette Color Lookup Table Data. Required if segmented data is used in an Image IOD; shall not be present in a Presentation State IOD or Color Palette IOD . See Section C.7.9.2 for further explanation.
Segmented Green Palette Color Lookup Table Data	(0028,1222)	1C	Segmented Green Palette Color Lookup Table Data. Required if segmented data is used in an Image IOD; shall not be present in a Presentation State IOD or Color Palette IOD . See Section C.7.9.2 for further explanation.
Segmented Blue Palette Color Lookup Table Data	(0028,1223)	1C	Segmented Blue Palette Color Lookup Table Data. Required if segmented data is used in an Image IOD; shall not be present in a Presentation State IOD or Color Palette IOD . See Section C.7.9.2 for further explanation.