

# DICOM Change Proposal

STATUS	Letter Ballot
Date of Last Update	2025-06-17
Person Assigned	<b>Bjorn Nolte</b>
Submitter Name	<a href="mailto:Ingo.Wilkening@siemens-healthineers.com">Ingo.Wilkening@siemens-healthineers.com</a>
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Change Number	CP-2491												
Log Summary: Clarification of inconsistent values of Pixel Presentation (0008,9205)													
Name of Standard PS3.3, PS3.4													
Rationale for Change:  In PS3.4, section “B.5.1.19 Planar MPR Volumetric Presentation State Storage SOP Classes”, there is:  The Compositing Planar MPR Volumetric Presentation State Storage SOP Class shall use the <a href="#">Planar MPR Volumetric Presentation State IOD</a> with an Enumerated Value of TRUE COLOR for Pixel Presentation (0008,9205).  Namely “TRUE COLOR” (with space between).  While in PS 3.3, section “C.11.27 MPR Volumetric Presentation State Display Module” there is:													
<table><tr><th>Attribute Name</th><th>Tag</th><th>Type</th><th>Attribute Description</th></tr><tr><td>Pixel Presentation</td><td>(0008,9205)</td><td>1</td><td>Grayscale or color space of the Presentation State output.  Enumerated Values:  MONOCHROME  Output consists of P-Values  TRUE_COLOR  Output consists of PCS-Values</td></tr><tr><td>Presentation State Classification Component Sequence</td><td>(0070,1801)</td><td>2C</td><td>Sequence of classification components in which the order of Items is significant. Each classification component converts one or two processed inputs into a single RGB output.  One or more Items shall be included in this Sequence.  See Section C.11.27.2.  Required if Pixel Presentation (0008,9205) has a value of TRUE_COLOR.</td></tr></table>		Attribute Name	Tag	Type	Attribute Description	Pixel Presentation	(0008,9205)	1	Grayscale or color space of the Presentation State output.  Enumerated Values:  MONOCHROME  Output consists of P-Values  TRUE_COLOR  Output consists of PCS-Values	Presentation State Classification Component Sequence	(0070,1801)	2C	Sequence of classification components in which the order of Items is significant. Each classification component converts one or two processed inputs into a single RGB output.  One or more Items shall be included in this Sequence.  See Section C.11.27.2.  Required if Pixel Presentation (0008,9205) has a value of TRUE_COLOR.
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Namely twice “TRUE_COLOR” (with underscore between).  This should be changed to “TRUE_COLOR”. Value in modules is expected to be used by implementers.													
Change Wording:													

**Change B.5.1.19 Planar MPR Volumetric Presentation State Storage SOP Classes,**

**Replace the text “TRUE COLOR” with “TRUE\_COLOR”.  
It shall have an underscore between both words.**

**(Sorry, underlining underscores and spaces does not display well.)**

#### **B.5.1.19 Planar MPR Volumetric Presentation State Storage SOP Classes**

The requirements of [Section FF.2.1.1](#) apply to the following SOP Classes:

- Grayscale Planar MPR Volumetric Presentation State Storage
- Compositing Planar MPR Volumetric Presentation State Storage

The Grayscale Planar MPR Volumetric Presentation State Storage SOP Class shall use the [Planar MPR Volumetric Presentation State IOD](#) with an Enumerated Value of MONOCHROME for Pixel Presentation (0008,9205) and shall have only a single item in the Volumetric Presentation State Input Sequence (0070,1201).

The Compositing Planar MPR Volumetric Presentation State Storage SOP Class shall use the [Planar MPR Volumetric Presentation State IOD](#) with an Enumerated Value of TRUE\_COLOR for Pixel Presentation (0008,9205).

**For reference only, no changes to PS 3.3,  
section “C.11.27 MPR Volumetric Presentation State Display Module”**

#### **C.11.27 MPR Volumetric Presentation State Display Module**

[Table C.11.27-1](#) specifies the Attributes of the [MPR Volumetric Presentation State Display Module](#), which define the transformations of the processed MPR Volumetric Presentation State inputs into a single VPS display space, as described in the Volumetric Presentation State pipeline in [Section FF.2.1 “Volumetric Transformations” in PS3.4](#).

Table C.11.27-1. MPR Volumetric Presentation State Display Module Attributes

Attribute Name	Tag	Type	Attribute Description
Pixel Presentation	(0008,9205)	1	Grayscale or color space of the Presentation State output.
Enumerated Values:			
MONOCHROME			
Output consists of P-Values			
TRUE_COLOR			
Output consists of PCS-Values			

Attribute Name	Tag	Type	Attribute Description
Presentation State Classification Component Sequence	(0070,1801)	2C	<p>Sequence of classification components in which the order of Items is significant. Each classification component converts one or two processed inputs into a single RGB output.</p> <p>One or more Items shall be included in this Sequence.</p> <p>See Section C.11.27.2.</p> <p>Required if Pixel Presentation (0008,9205) has a value of <b>TRUE_COLOR</b>.</p>

[...]