

# DICOM Correction Proposal

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Correction Number	CP-1215
Log Summary: Require GSPS for Enhanced PET Storage for consistency with other enhanced images	
Name of Standard PS 3.4 2011	
Rationale for Correction: Enhanced family objects forbid the use of overlays and annotations within the image object, recommend the use of presentation states and hence for CT and MR require the support of GSPS by the Storage SCP; this requirement was not included when Enhanced PET was added to the standard; correct this.	
Correction Wording:	

*In PS 3.4 Annex B add requirement for GSPS support for Enhanced PET*

## B.5 STANDARD SOP CLASSES

The SOP Classes in the Storage Service Class identify the Composite IODs to be stored. Table B.5-1 identifies Standard SOP Classes.

**Table B.5-1  
STANDARD SOP CLASSES**

SOP Class Name	SOP Class UID	IOD Specification (defined in PS 3.3)
...	...	...
Enhanced CT Image Storage	1.2.840.10008.5.1.4.1.1.2.1	Enhanced CT Image (see B.5.1.7)
...	...	...
Enhanced MR Image Storage	1.2.840.10008.5.1.4.1.1.4.1	Enhanced MR Image (see B.5.1.6)
MR Spectroscopy Storage	1.2.840.10008.5.1.4.1.1.4.2	MR Spectroscopy
Enhanced MR Color Image Storage	1.2.840.10008.5.1.4.1.1.4.3	Enhanced MR Color Image
...	...	...
Enhanced US Volume Storage	1.2.840.10008.5.1.4.1.1.6.2	Enhanced US Volume
...	...	...
Enhanced XA Image Storage	1.2.840.10008.5.1.4.1.1.12.1.1	
...	...	...
Enhanced XRF Image Storage	1.2.840.10008.5.1.4.1.1.12.2.1	
X-Ray 3D Angiographic Image	1.2.840.10008.5.1.4.1.1.13.1.1	X-Ray 3D Angiographic

Storage		Image
X-Ray 3D Craniofacial Image Storage	1.2.840.10008.5.1.4.1.1.13.1.2	X-Ray 3D Craniofacial Image
Breast Tomosynthesis Image Storage	1.2.840.10008.5.1.4.1.1.13.1.3	Breast Tomosynthesis Image
Intravascular Optical Coherence Tomography Image Storage – For Presentation	1.2.840.10008.5.1.4.1.1.14.1	IVOCT IOD (see B.5.1.13)
Intravascular Optical Coherence Tomography Image Storage – For Processing	1.2.840.10008.5.1.4.1.1.14.2	IVOCT IOD (see B.5.1.13)
...	...	...
...	...	...
Enhanced PET Image Storage	1.2.840.10008.5.1.4.1.1.130	Enhanced PET Image ( <u>see B.5.1.X</u> )
...	...	...

**B.5.1 Specialization for Standard SOP Classes**

**B.5.1.1 Digital X-Ray Image Storage SOP Classes**

...

**B.5.1.2 Digital Mammography Image Storage SOP Classes**

...

**B.5.1.3 Digital Intra-oral X-Ray Image Storage SOP Classes**

...

**B.5.1.4 Softcopy Presentation State Storage SOP Classes**

...

**B.5.1.5 Structured Reporting Storage SOP Classes**

...

**B.5.1.6 Enhanced MR Image Storage SOP Class**

An SCP of the Enhanced MR Image Storage SOP Class shall also support the Grayscale Softcopy Presentation State Storage SOP Class.

Note: This requirement is present in order to allow the exchange of graphical annotations created by an acquisition device.

**B.5.1.7 Enhanced CT Image Storage SOP Class**

An SCP of the Enhanced CT Image Storage SOP Class shall also support the Grayscale Softcopy Presentation State Storage SOP Class.

Note: This requirement is present in order to allow the exchange of graphical annotations created by an acquisition device.

**B.5.1.8 Enhanced MR Color Image Storage SOP Class**

An SCP of the Enhanced MR Image Storage SOP Class shall also support the Color Softcopy Presentation State Storage SOP Class.

Note: This requirement is present in order to allow the exchange of graphical annotations created by an acquisition device.

**B.5.1.9 Basic Structured Display**

...

**B.5.1.10 Implant Template Storage SOP Classes**

...

**B.5.1.11 Ophthalmic Axial Measurements Storage SOP Class**

...

**B.5.1.12 IOL Calculation Storage SOP Class**

...

**B.5.1.13 Intravascular OCT Image Storage SOP Classes**

...

**B.5.1.X Enhanced PET Image Storage SOP Classes**

**An SCP of the Enhanced PET Image Storage SOP Class shall also support the Grayscale Softcopy Presentation State Storage SOP Class.**

**Note: This requirement is present in order to allow the exchange of graphical annotations created by an acquisition device.**