

DICOM Correction Item

Correction Number	CP-779
Log Summary: Correct conditions on Dimension Organization UID	
Type of Modification	Name of Standard
Correction	PS 3.3 2007
Rationale for Correction The condition on Dimension Organization UID inside Dimension Index Sequence is circular and references itself. It is intended to be conditional upon items in the Dimension Organization Sequence.	
Sections of documents affected PS 3.3 C.7.6.17	
Correction Wording:	

C.7.6.17 Multi-frame Dimension Module

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Table C.7.6.17-1
MULTI-FRAME DIMENSION MODULE ATTRIBUTES

Attribute Name	Tag	Type	Attribute Description
Dimension Organization Sequence	(0020,9221)	2	Sequence that lists the Dimension Organization UIDs referenced by the containing SOP Instance. See section C.7.6.17.2 for further explanation. Zero or more Items may be included in this Sequence.
>Dimension Organization UID	(0020,9164)	1	Uniquely identifies a set of dimensions referenced within the containing SOP Instance. See section C.7.6.17.2 for further explanation.
>Dimension Description Label	(0020,9421)	3	Free text description that explains the meaning of the dimension.
Dimension Index Sequence	(0020,9222)	2	Identifies the sequence containing the indices used to specify the dimension of the multi-frame object. Zero or more Items may be included in this sequence.
>Dimension Index Pointer	(0020,9165)	1	Contains the Data Element Tag that is used to identify the Attribute connected with the index. See section C.7.6.17.1 for further explanation.
>Dimension Index Private Creator	(0020,9213)	1C	Identification of the creator of a group of private data elements. Required if the Dimension Index Pointer (0020,9165) value is the Data Element Tag of a Private Attribute.
>Functional Group Pointer	(0020,9167)	1C	Contains the Data Element Tag of the Functional Group Sequence that contains the Attribute that is referenced by the Dimension Index Pointer (0020,9165). See section C.7.6.17.1 for further explanation. Required if the value of the Dimension Index Pointer (0020,9165) is the Data Element Tag of an Attribute that is contained within a Functional Group Sequence.
>Functional Group Private Creator	(0020,9238)	1C	Identification of the creator of a group of private data elements. Required if the Functional Group Pointer 0020,9167) value is the Data Element Tag of a Private Attribute.
>Dimension Organization UID	(0020,9164)	1C	Uniquely identifies a set of dimensions referenced within the containing SOP Instance. In particular the dimension

			<p>described by this sequence item is associated with this Dimension Organization UID. See section C.7.6.17.2 for further explanation.</p> <p>Required if the value of the Dimension Index Organization Sequence (0020,92229221) contains Items</p>
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C.7.6.17.2 Dimension Organization UID

The Dimension Organization UID (0020,9164) value identifies a set of dimensions to which an Item of the Dimension Index Sequence (0020,9222) belongs.

When different SOP Instances share the same Dimension Organization UID (0020,9164) for a particular Item of the Dimension Index Sequence (0020,9222), equivalent indices from the corresponding Dimension Index Values (0020,9157) shall have the same meaning across the SOP Instances.

This mechanism allows an image creator to explicitly specify that indices are intended to convey identical information across SOP Instances.

The Dimension Organization Sequence attribute (0020,9221) contains a summary of all the Dimension Organization UID (0020,9164) values used in a SOP Instance.