

## DICOM Correction Proposal

STATUS	Assigned
Date of Last Update	2016/05/30
Person Assigned	David Clunie
Submitter Name	Harry Solomon
Submission Date	2016/03/29

Correction Number	CP-1627
Log Summary: Add tracking ID to Presentation State	
Name of Standard	PS3.3
Rationale for Correction: It would be useful to be able to link graphical objects in one Presentation State instance to graphical objects in other Presentation State instances, or to Segmentation segments or Structured Report observations identified by Tracking ID or Tracking UID.	
Correction Wording:	

***Amend PS3.3 Section C.10.5.1.3.12***

**Table C.10-5. Graphic Annotation Module Attributes**

Attribute Name	Tag	Type	Attribute Description
Graphic Annotation Sequence	(0070,0001)	1	A sequence of Items each of which represents a group of annotations composed of graphics or text or both. One or more Items shall be included in this Sequence.
>Referenced Image Sequence	(0008,1140)	1C	The subset of images and frames listed in the <a href="#">Presentation State Relationship Module</a> , to which this graphic annotation applies. One or more Items shall be included in this Sequence. Required if graphic annotations in this Item do not apply to all the images and frames listed in the <a href="#">Presentation State Relationship Module</a> .
>>Include <a href="#">Table 10-3 "Image SOP Instance Reference Macro Attributes"</a>			
>Graphic Layer	(0070,0002)	1	The layer defined in the <a href="#">Graphic Layer Module</a> in which the graphics or text is to be rendered.
>Text Object Sequence	(0070,0008)	1C	Sequence that describes a text annotation. One or more Items shall be included in this Sequence. Either one or both of Text Object Sequence (0070,0008) or Graphic Object Sequence (0070,0009) are required.
...			
>>Graphic Group ID	(0070,0295)	3	A number identifying the group from the Graphic Group Sequence (0070,0234) to which this Item belongs. If this attribute is not present, this Item does not belong to a group.

			If Compound Graphic Instance ID (0070,0226) is present in this Item, the value of Graphic Group ID (0070,0295) shall be the same as the value of Graphic Group ID (0070,0295) of the corresponding Item in the Compound Graphic Sequence (0070,0209) with the same Compound Graphic Instance ID (0070,0226).
<u>&gt;&gt;Tracking ID</u>	<u>(0062,0020)</u>	<u>1C</u>	<p><b><u>A text label used for tracking a finding or feature, potentially across multiple reporting objects, over time. This label shall be unique within the domain in which it is used.</u></b></p> <p><b><u>Required if Tracking UID (0062,0021) is present.</u></b></p> <p><b>Note</b></p> <ol style="list-style-type: none"> <li><b><u>1. May be used for tracking a finding or feature that is described by this text object, potentially across multiple objects, over time.</u></b></li> <li><b><u>2. This Attribute allows linkage to segments in Segmentation instances with the same value of Tracking ID (0062,0020), and to content items in SR instances with observation context (112039, DCM, "Tracking Identifier") having the same value.</u></b></li> </ol>
<u>&gt;&gt;Tracking UID</u>	<u>(0062,0021)</u>	<u>1C</u>	<p><b><u>A unique identifier used for tracking a finding or feature, potentially across multiple reporting objects, over time.</u></b></p> <p><b><u>Required if Tracking ID (0062,0020) is present.</u></b></p> <p><b>Note</b></p> <ol style="list-style-type: none"> <li><b><u>1. May be used for tracking a finding or feature that is described by this text object, potentially across multiple objects, over time.</u></b></li> <li><b><u>2. This Attribute allows linkage to segments in Segmentation instances with the same value of Tracking UID (0062,0021), and to content items in SR instances with observation context (112040, DCM, "Tracking Unique Identifier") having the same value.</u></b></li> </ol>
>Graphic Object Sequence	(0070,0009)	1C	<p>Sequence that describes a graphic annotation.</p> <p>One or more Items shall be included in this Sequence.</p> <p>Either one or both of Text Object Sequence (0070,0008) or Graphic Object Sequence (0070,0009) are required.</p>
>>Graphic Group ID	(0070,0295)	3	<p>A number identifying the group from the Graphic Group Sequence (0070,0234) to which this Item belongs. If this attribute is not present, this Item does not belong to a group.</p> <p>If Compound Graphic Instance ID (0070,0226) is present in this Item, the value of Graphic Group ID (0070,0295) shall be the same as the value of Graphic Group ID (0070,0295) of the corresponding Item in the Compound Graphic Sequence (0070,0209) with the same Compound Graphic Instance ID (0070,0226).</p>
<u>&gt;&gt;Tracking ID</u>	<u>(0062,0020)</u>	<u>1C</u>	<p><b><u>A text label used for tracking a finding or feature, potentially across multiple reporting objects, over time. This label shall be unique within the domain in which it is used.</u></b></p>

			<p><b><u>Required if Tracking UID (0062,0021) is present.</u></b></p> <p><b>Note</b></p> <p>3. <b><u>May be used for tracking a finding or feature that is described by this graphic object, potentially across multiple objects, over time.</u></b></p> <p>4. <b><u>This Attribute allows linkage to segments in Segmentation instances with the same value of Tracking ID (0062,0020), and to content items in SR instances with observation context (112039, DCM, "Tracking Identifier") having the same value.</u></b></p>
>>Tracking UID	(0062,0021)	1C	<p><b><u>A unique identifier used for tracking a finding or feature, potentially across multiple reporting objects, over time.</u></b></p> <p><b><u>Required if Tracking ID (0062,0020) is present.</u></b></p> <p><b>Note</b></p> <p>3. <b><u>May be used for tracking a finding or feature that is described by this graphic object, potentially across multiple objects, over time.</u></b></p> <p>4. <b><u>This Attribute allows linkage to segments in Segmentation instances with the same value of Tracking UID (0062,0021), and to content items in SR instances with observation context (112040, DCM, "Tracking Unique Identifier") having the same value.</u></b></p>
>Compound Graphic Sequence	(0070,0209)	3	<p>A sequence of Items that describe Compound Graphics.</p> <p>One or more Items are permitted in this Sequence.</p> <p>For each Compound Graphic there shall be an alternate rendering encoded as Items in the Text Object Sequence (0070,0008) and Graphic Object Sequence (0070,0009) linked by the Compound Graphic Instance ID (0070,0226).</p> <p>See <a href="#">Section C.10.5.1.3.1</a>.</p>
...			