

DICOM Correction Item

Correction Number CP-721	
Log Summary: Addition of General Accessory Sequence to RT Plan	
Type of Modification Addition	Name of Standard PS 3.3, 3.6 2007
Rationale for Correction: The current definition of RT Plan contains a number of well defined accessory sequences, namely Wedge, Block, Compensator, Bolus, and Applicator. However, there are other more or less common accessory types which do not fit the given Categories. Typically, these accessories need to be identified by Accessory codes or ID's, but would not normally require additional parameterization. The proposal is to add a 'General Accessory Sequence' which would serve as a container for accessories which do not fit the current categories	
Sections of documents affected PS3.3, Section 8.8.14 PS3.6, Section 6	
Correction Wording:	

In PS 3.3, Section C.8.8.14 (RT Beams Module), Table C.8-50 RT Beams Module Attributes, add the following attributes:

Attribute Name	Tag	Type	Attribute Description
Beam Sequence	(300A,00B0)	1	Introduces sequence of treatment beams for current RT Plan. One or more items may be included in this sequence.
...			
>>Applicator Description	(300A,010A)	3	User-defined description for Applicator.
>General Accessory Sequence	(300A,aaaa)	3	<u>Introduces a Sequence of General Accessories associated with this Beam. One or more items may be included in this sequence.</u>
>>General Accessory Number	(300A,eeee)	1	<u>Identification Number of the General Accessory. The value shall be unique within the sequence.</u>
>>General Accessory ID	(300A,bbbb)	1	<u>User or machine supplied identifier for General Accessory.</u>
>>General Accessory Description	(300A,cccc)	3	<u>User supplied description of General Accessory.</u>

Attribute Name	Tag	Type	Attribute Description
>>General Accessory Type	(300A,dddd)	3	<u>Specifies the type of accessory.</u> <u>Defined Terms:</u> <u>GRATICULE = Accessory tray with a radio-opaque grid</u> <u>IMAGE DETECTOR = Image acquisition device positioned in the beam line</u> <u>RETICLE = Accessory tray with radio-transparent markers or grid</u>
>>RT Alternate Accessory Code	(300A,00F9)	3	<u>Machine-readable identifier for this accessory</u>

In PS 3.3, Section C.8.8.21 (RT Beams Session Record Module), Table C.8-57 RT Beams Session Record Module Attributes, add the following attributes:

Attribute Name	Tag	Type	Attribute Description
Beam Sequence	(300A,00B0)	1	Introduces sequence of treatment beams for current RT Plan. One or more items may be included in this sequence.
...			
>>Applicator Description	(300A,010A)	3	User-defined description for Applicator.
>General Accessory Sequence	(300A,aaaa)	3	<u>Introduces a Sequence of General Accessories associated with this Beam. One or more items may be included in this sequence.</u>
>>General Accessory ID	(300A,bbbb)	1	<u>User or machine supplied identifier for General Accessory.</u>
>>General Accessory Type	(300A,dddd)	3	<u>Specifies the type of accessory.</u> <u>Defined Terms:</u> <u>GRATICULE = Accessory tray with a radio-opaque grid</u> <u>IMAGE DETECTOR = Image acquisition device positioned in the beam line</u> <u>RETICLE = Accessory tray with radio-transparent markers or grid</u>
>>RT Alternate Accessory Code	(300A,00F9)	3	<u>Machine-readable identifier for this accessory</u>

In PS 3.3, Section C.8.8.25 (RT Ion Beams Module), Table C.8.8.25-1 RT Ion Beams Module Attributes, add the following attributes:

Attribute Name	Tag	Type	Attribute Description
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Attribute Name	Tag	Type	Attribute Description
Ion Beam Sequence	(300A,03A2)	1	Introduces sequence of setup and/or treatment beams for current RT Ion Plan. One or more items may be included in this sequence.
...			
>>Applicator Description	(300A,010A)	3	User-defined description for Applicator.
>General Accessory Sequence	(300A,aaaa)	3	<u>Introduces a Sequence of General Accessories associated with this Beam. One or more items may be included in this sequence.</u>
>>General Accessory Number	(300A,eeee)	1	<u>Identification Number of the General Accessory. The value shall be unique within the sequence.</u>
>>General Accessory ID	(300A,bbbb)	1	<u>User or machine supplied identifier for General Accessory.</u>
>>General Accessory Description	(300A,cccc)	3	<u>User supplied description of General Accessory.</u>
>>General Accessory Type	(300A,dddd)	3	<u>Specifies the type of accessory.</u> <u>Defined Terms:</u> <u>GRATICULE = Accessory tray with a radio-opaque grid</u> <u>IMAGE DETECTOR = Image acquisition device positioned in the beam line</u> <u>RETICLE = Accessory tray with radio-transparent markers or grid</u>
>>RT Alternate Accessory Code	(300A,00F9)	3	<u>Machine-readable identifier for this accessory</u>

In PS 3.6, Section 6, add the following new attributes:

Tag	Name	VR	VM
(300A,aaaa)	<u>General Accessory Sequence</u>	<u>SQ</u>	<u>1</u>
(300A,bbbb)	<u>General Accessory ID</u>	<u>CS</u>	<u>1</u>
(300A,cccc)	<u>General Accessory Description</u>	<u>ST</u>	<u>1</u>
(300A,dddd)	<u>General Accessory Type</u>	<u>SH</u>	<u>1</u>
(300A,eeee)	<u>General Accessory Number</u>	<u>IS</u>	<u>1</u>