

DICOM Correction Proposal

STATUS	Letter Ballot
Date of Last Update	2023/09/02
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Correction Number	CP2299
Log Summary:	Beam Hold Transition Trigger Source
Name of Standard	PS3.3
Rationale for Correction:	<p>When Gating Beam Hold Transition Sequence (300C,0125) was added to RT Beams Session Record Module to fulfill the requirements of IEC 60601-2-1:2020, it additionally included the information of the device that triggered the beam hold but not the information whether the triggering was done manually by the user or automatically by the device itself.</p> <p>This CP extends the items of the Gating Beam Hold Transition Sequence (300C,0125) with the information of the source that caused the beam hold transition to occur.</p>
Correction Wording:	

Modify PS3.3 Section C.8.8.21 RT Beams Session Record Module

Table C.8-57. RT Beams Session Record Module Attributes

Attribute Name	Tag	Type	Attribute Description
...			
>Gating Beam Hold Transition Sequence	(300C,0125)	3	The beam hold transitions due to beam gating function according to [IEC 60601-2-1]. One or more items are permitted in this Sequence.
>>Beam Hold Transition	(300C,0126)	1	Beam hold transition during irradiation. Enumerated Values: HOLD Beam held. RESTART Beam restarted.
>>Beam Hold Transition Trigger Source	(gggg,9001)	3	<u>The source that caused the beam hold transition to occur.</u> <u>Enumerated Values:</u> <u>USER</u> Transition was triggered manually by the user. <u>DEVICE</u> Transition was triggered automatically by the gating device itself.
>>Beam Hold Transition DateTime	(300C,0127)	1	DateTime of the beam hold transition.

Attribute Name	Tag	Type	Attribute Description
>>Beam Hold Originating Device Sequence	(300C,0128)	1C	<p>The device that triggered the beam hold.</p> <p>Required if there are multiple devices in the treatment delivery device that can trigger the beam hold.</p> <p>Only a single Item shall be included in this Sequence.</p>
>>>Include <u>Table 10.36-1 "Device Identification Macro Attributes"</u>			No Baseline CID is defined.

Add the following data elements to PS3.6, Chapter 6:

6 Registry of DICOM Data Elements

(gggg,9001)	Beam Hold Transition Trigger Source	BeamHoldTransitionTriggerSource	CS	1
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