

DICOM Correction Proposal

STATUS	Final Text
Date of Last Update	2011/10/17
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Submission date	2011/01/14

Correction Number	CP-1151
Log Summary: Correct Condition for "Number of Pulses" in TID 10003	
Name of Standard PS 3.16 – 2011	
Rationale for Correction <p>The condition of the "Number of Pulses" content item in TID 10003 "Irradiation Event X_ray Data" was "M" prior to the modifications introduced by CP-874. This was and is still correct today, since the Number of Pulses should be available for each acquisition event.</p> <p>With CP-874, the authors wanted to avoid that the Number of Pulses are encoded with a value in case the "Irradiation Event Type" is "Fluoroscopy" and the "Fluoro Mode" is "CONTINUOUS".</p> <p>The introduced condition "IFF Row 25 value = (113631, DCM, "Pulsed") is not correctly addressing this condition, since Row 25 is only existing for "Irradiation Event Type" = "Fluoroscopy". So now the "Number of Pulses" shall no longer be present, if the irradiation Event is not "Fluoroscopy".</p> <p>The Accumulated projection X.-Ray Dose TID 10004 contains the "Total Number of Radiographic Frames" Content Item, which aggregates the contents of the Number of Pulses of the individual events. So to learn about the timely distribution of this context, the "Number of Pulses" should be provided for the (high-dose) Acquisition events too.</p> <p>The condition needs to be rephrased. Only changing the "IFF" to "IF" would not meet the intention of the change with CP-874.</p>	
Sections of documents affected PS 3.16	
Correction Wording:	

Change condition for "Number of Pulses" content item in TID 10003 in PS3.16

**TID 10003
IRRADIATION EVENT X-RAY DATA
Type: Extensible**

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
		...						
26	>	CONTAINS	CODE	EV (113732, DCM, "Fluoro Mode")	1	UC	IFF Row 3 value = (P5-06000, SRT,	DCID (10004) Fluoro Modes

						"Fluoroscopy")		
27	>	CONTAINS	NUM	EV (113791, DCM, "Pulse Rate")	1	MC	IFF Row 26 value = (113631, DCM, "Pulsed")	Units = EV (pulse)/s, UCUM, "pulse/s")
28	>	CONTAINS	NUM	EV (113768, DCM, "Number of Pulses")	1	MC	IFF Row 26 <u>is not present or Row 26 is present and equals value =</u> (113631, DCM, "Pulsed")	Units = EV (1, UCUM, "no units")
		...						