

DICOM Correction Proposal

STATUS	Final Text
Date of Last Update	2014/09/04
Person Assigned	David Clunie dclunie@dclunie.com
Submitter Name	David Clunie dclunie@dclunie.com
Submission Date	2013/10/06

Correction Number	CP-1355
Log Summary: Make X-Ray RDSR event level device conditional	
Name of Standard PS 3.16 2013	
Rationale for Correction: The requirements for the inclusion of device information at the irradiation event level are redundant and inconsistent with the more reasonable condition at the accumulated level, and also inconsistent with the descriptive text for the mandatory row. Make these consistent.	
Correction Wording:	

For reference TID 10001:

TID 10001 Projection X-Ray Radiation Dose

...

**TID 10001
PROJECTION X-RAY RADIATION DOSE
Type: Extensible Order: Non-Significant**

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (113701, DCM, "X-Ray Radiation Dose Report")	1	M		
...
4	>	CONTAINS	CODE	EV (122142, DCM, "Acquisition Device Type")	1	U		DCID (10032) Projection X-Ray Acquisition Device Types
5	>		INCLUDE	DTID (1002) Observer Context	1-n	M		
...

Correct row reference in content item descriptions of TID 10002:

TID 10002
ACCUMULATED X-RAY DOSE
Type: Extensible Order: Non-Significant

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (113702, DCM, "Accumulated X-Ray Dose Data")	1	M		
...
14	>	CONTAINS	INCLUDE	DTID (1021) Device Participant	1	MC	Required if the irradiating device is not the recording device and the dose was accumulated on a single device.	\$DeviceProcedureRole = EV (113859, DCM, "Irradiating Device")

Content Item Descriptions

...	...
Row 14	The device which produced the irradiation accumulated in this template. I.e. the X-Ray source. This is not required to be present if the information is the same as that already recorded in the Device Observer Context (TID 1004) encoded via the inclusion of Observer Context (TID 1002) in TID 10001 Row 4 <u>5</u> , which in turn may be absent if identical to the content in the Enhanced General Equipment Module, or if more than one device produced the accumulated irradiation.

Amend TID 10003b:

TID 10003b Irradiation Event X-Ray Source Data

This template contains data which is expected to be available to the X-Ray source component of the equipment.

TID 10003b
IRRADIATION EVENT X-RAY SOURCE DATA
Type: Extensible Order: Non-Significant

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			NUM	EV (113738, DCM, "Dose (RP)")	1	MC	IF TID (10001) Row 2 = (113704, DCM, "Projection X-Ray") AND any of the values of TID (10001) Row 18 are not (113858, DCM, "MPPS Content")	UNITS = EV (Gy, UCUM, "Gy")
...
27			INCLUDE	DTID (1021) Device Participant	1	MC	Required if the irradiating device is not the recording device.	\$DeviceProcedureRole = EV (113859, DCM, "Irradiating Device")