DICOM Correction Proposal

STATUS	~~Letter Ballot~~Draft Final Text
Date of Last Update	2024/~~08~~11/~~24~~02
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Submission Date	2023/05/31

Correction Number	CP-2319
Log Summary: Clarify conditions in TID 10007	
Name of Standard	
PS3.16 2024d	
Rationale for Correction:	

The conditions for TID 10007 Rows 5 and 6 are not expressed with the same formalism as other conditions in PS3.16; when checking the presence of a Content Item they should refer to the TID and Row where that Content Item is defined (vs. the Content Item of that row).

This CP:

- rephrases the conditions for TID 10007 Rows 5 and 6 to replace the Content Items in the conditions with the TID and Rows where the Content Items are defined,

- replaces IF by IFF in the conditions for TID 10007 Rows 5 and 6 to ensure there is no unnecessary presence of Reference Point Definition at accumulated level when the RDSR does not contain any of the Dose (RP) Total in TID 10004 and TID 10007,

- improves the Content Item Descriptions of TID 10007 Rows 5 and 6 to highlight that the Reference Point Definition at accumulated level (in TID 10007) shall match the definitions and order provided at Irradiation Event level (in TID 10003B),

[Comment, UG Austria: first word in second line in the introduction text of TID 10007: "integrated" instead of Integrated. FIXED.]

Correction Wording:

Modify PS3.16, Section A. Structured Reporting Templates, as follows:

TID 10007 Accumulated Total Projection Radiography Dose

This Template provides information on total Projection Radiography dose values accumulated on ~~I~~integrated or combined fluoroscopy/acquisition systems over one or more irradiation events (typically a study or a performed procedure step) from the same equipment.

Type: Extensible
Order: Non-Significant
Root: No

Table TID 10007. Accumulated Total Projection Radiography Dose

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			NUM	EV (113722, DCM, "Dose Area Product Total")	1	M		UNITS = EV (Gy.m2, UCUM, "Gy.m2")
2			NUM	EV (113725, DCM, "Dose (RP) Total")	1	MC	IF TID 10001 Row 4 = (113958, DCM, "Integrated Projection Radiography System") or any of the values of TID (10001) Row 18 are not (113858, DCM, "MPPS Content")	UNITS = EV (Gy, UCUM, "Gy")
3			NUM	EV (113737, DCM, "Distance Source to Reference Point")	1	UC	IFF the distance is constant for all irradiation events within the scope of accumulation.	UNITS = EV (mm, UCUM, "mm")
4			NUM	EV (113731, DCM, "Total Number of Radiographic Frames")	1	U		UNITS = EV (1, UCUM, "no units")
5			CODE	EV (113780, DCM, "Reference Point Definition")	1	MC	**XOR Row 6 AND IFF (Row 2 is present OR TID 10004 Row 2 is present OR TID 10004 Row 5 is present)** ~~IF any of (113725, DCM, "Dose (RP) Total"), (113728, DCM, "Fluoro Dose (RP) Total") or (113729, DCM, "Acquisition Dose (RP) Total") are present, and Row 6 is not present~~.	DCID 10025 "Radiation Dose Reference Point"
6			TEXT	EV (113780, DCM, "Reference Point Definition")	1	MC	**XOR Row 5 AND IFF (Row 2 is present OR TID 10004 Row 2 is present OR TID 10004 Row 5 is present)** ~~IF any of (113725, DCM, "Dose (RP) Total"), (113728, DCM, "Fluoro Dose (RP) Total") or (113729, DCM, "Acquisition Dose (RP) Total") are present, and Row 5 is not present.~~	

Content Item Descriptions

Row 1	Accumulated Dose Area Product
Row 2	Accumulated dose relative to reference point.
Row 3	A single value for Radiography systems calculating reference point dose based on a constant distance. If this distance changes, it may only be populated in Row 11 of Section TID 10003C "Irradiation Event X-Ray Mechanical Data" on an irradiation event basis.
Row 5	A coded definition of the Reference Point (RP) used for RP-related dose values. **<u>Value shall match the definitions provided at Irradiation Event level (in TID 10003 or TID 10003B).</u>**
Row 6	A text definition of the Reference Point (RP) used for RP-related dose values. **<u>Value shall match the definitions provided at Irradiation Event level (in TID 10003 or TID 10003B).</u>**