Status	Assigned
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Correction Number CP-1613
Log Summary: Factor radiopharmaceutical content in RRDSR into reusable template
Name of Standard PS3.16
Rationale for Correction: Some, but not all, content items used to describe radipharmaceutical products need to be reused (e.g., in Sup 164), so they are factored out (unchanged) into a separate template. *[Ed. Note.: Row 2, (F-61FDB, SRT, "Radiopharmaceutical agent"), is not (yet) factored out, since in Sup 164 it is encoded in (111546 , DCM , “Used Imaging Agent Type”), Row 3, (C-10072, SRT, "Radionuclide") and Row 4 (R-42806, SRT, "Radionuclide Half Life") are not (yet) factored out, since they are children of Row 2, whereas in Sup 164 they are siblings of (111546 , DCM , “Used Imaging Agent Type”) and the other content items that are factored out into the new template.]*
Correction Wording:

Amend DICOM PS 3.16:

TID 10022 Radiopharmaceutical Administration Event Data

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Table TID 10022. Radiopharmaceutical Administration Event Data

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (113502, DCM, "Radiopharmaceutical Administration")	1	M		
2	>	CONTAINS	CODE	EV (F-61FDB, SRT, "Radiopharmaceutical agent")	1	M		D??? D???
3	>>	HAS PROPERTIES	CODE	EV (C-10072, SRT, "Radionuclide")	1	M		D??? D???
4	>>	HAS PROPERTIES	NUM	EV (R-42806, SRT, "Radionuclide Half Life")	1	M		UNITS = EV (s, UCUM, "seconds")
5	>	CONTAINS	NUM	EV (123007, DCM, "Radiopharmaceutical Specific Activity")	1	U		UNITS = EV (Bq/mmol, UCUM, "Bq/mmol")
6	>	CONTAINS	UIDREF	EV (113503, DCM, "Radiopharmaceutical Administration Event UID")	1	M		
7	>	CONTAINS	CODE	EV (113505, DCM, "Intravenous Extravasation Symptoms")	1-n	U		D???
8	>	CONTAINS	NUM	EV (113506, DCM, "Estimated Extravasation Activity")	1	U		UNITS = EV(%, UCUM, "percent")
9	>	CONTAINS	DATETIME	EV (123003, DCM, "Radiopharmaceutical Start DateTime")	1	M		
10	>	CONTAINS	DATETIME	EV (123004, DCM, "Radiopharmaceutical Stop DateTime")	1	U		
11	>	CONTAINS	NUM	EV (113507, DCM, "Administered activity")	1	M		UNITS = EV (MBq, UCUM, "MBq")
12	>	CONTAINS	NUM	EV (123005, DCM, "Radiopharmaceutical Volume")	1	U		UNITS = EV (cm3, UCUM, "cm3")
13	>	CONTAINS	NUM	EV (113508, DCM, "Pre-Administration Measured Activity")	1	U		UNITS = EV (MBq, UCUM, "MBq")
14	>>	HAS OBS CONTEXT	CODE	EV (113540, DCM, "Activity Measurement Device")	1	U		D???
15	>>	HAS OBS CONTEXT	INCLUDE	D???	1-n	U		

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
16	>	CONTAINS	NUM	EV (113509, DCM, "Post-Administration Measured Activity")	1	U		UNITS = EV (MBq, UCUM, "MBq")
17	>>	HAS OBS CONTEXT	CODE	EV (113540, DCM, "Activity Measurement Device")	1	U		D???
18	>>	HAS OBS CONTEXT	INCLUDE	D???	1-n	U		
19	>	CONTAINS	INCLUDE	D???	1-n	U		
20	>	CONTAINS	CODE	EV (G-C340, SRT, "Route of administration")	1	M		B???
21	>>	HAS PROPERTIES	CODE	EV (G-C581, SRT, "Site of")	1	MC	IF Row 20 equals (G-D101, SRT, "Intravenous route") or (G-D103, SRT, "Intramuscular route")	D???
22	>>>	HAS CONCEPT MOD	CODE	EV (G-C171, SRT, "Laterality")	1	MC	IF Row 21 has laterality	D???
23	>	HAS OBS CONTEXT	INCLUDE	D???	1-n	M		$PersonProcedureRole = EV (113851, DCM, "Irradiation Administering")
24	>	CONTAINS	CODE	EV (121147, DCM, "Billing Code(s) ")	1-n	U		
~~**25**~~	~~**>**~~	~~**CONTAINS**~~	~~**CODE**~~	~~**EV (113510, DCM, "Drug Product Identifier")**~~	~~**1-n**~~	~~**U**~~		
~~**26**~~	~~**>**~~	~~**CONTAINS**~~	~~**TEXT**~~	~~**EV (111529, DCM, "Brand Name")**~~	~~**1**~~	~~**U**~~		
~~**27**~~	~~**>**~~	~~**CONTAINS**~~	~~**TEXT**~~	~~**EV (113511, DCM, "Radiopharmaceutical Dispense Unit Identifier")**~~	~~**1**~~	~~**U**~~		
~~**28**~~	~~**>>**~~	~~**CONTAINS**~~	~~**TEXT**~~	~~**EV (113512, DCM, "Radiopharmaceutical Lot Identifier")**~~	~~**1-n**~~	~~**U**~~		
~~**29**~~	~~**>>**~~	~~**CONTAINS**~~	~~**TEXT**~~	~~**EV (113513, DCM, "Reagent Vial Identifier")**~~	~~**1-n**~~	~~**U**~~		
~~**30**~~	~~**>>**~~	~~**CONTAINS**~~	~~**TEXT**~~	~~**EV (113514, DCM, "Radionuclide Identifier")**~~	~~**1-n**~~	~~**U**~~		
25	**>**	**CONTAINS**	**INCLUDE**	**DTID tttt1 "Radiopharmaceutical Product Description"**	**1**	**U**		
31	>	CONTAINS	TEXT	EV (113516, DCM, "Prescription Identifier")	1	U		
32	>	CONTAINS	TEXT	EV (121106, DCM, "Comment")	1	U		

Content Item Descriptions

Row 4	The value of Half-life that was used for computing the decay of the administered radiopharmaceutical. It is not intended for use by the receiver for any further computation.
Row 5	Activity per unit mass of the radiopharmaceutical at Radiopharmaceutical Start Time
Row 6	Unique identification of a single radiopharmaceutical administration event.
Row 8	The estimated percentage of administered activity lost at the injection site. The estimation includes extravasation, paravenous administration and leakage at the injection site.
Row 9	The time the radiopharmaceutical was administered to the patient for imaging purposes.
Row 11	Total amount of radioactivity administered to the patient at Radiopharmaceutical Start Time. It is a computed field from the TID 10022 Pre-Administration Measured Activity Row 13, TID 10022 Post-Administration Measured Activity Row 17, Radionuclide Half Life Row 4 and Radiopharmaceutical Start Time Row 9. Does not include estimated extravasation activity.
Rows 13, 16	Observation DateTime (0040,A032) shall be used to record when the measurement was taken.
Row 23	Identifies the person administering the product.
Row 24	The billing codes for the preparation and administration of the radiopharmaceutical. It does not include performance and interpretation of the imaging.
~~**Row 25**~~	~~**Registered drug establishment code for the product. A coding scheme example is NDC, WHO-DDE or RxNorm. Multiple entries can be used for equivalent drug product codes.**~~
~~**Row 27**~~	~~**The human readable identification of the specific radiopharmaceutical quantity (dose) administered to the patient.**~~
~~**Row 28**~~	~~**Identifies the vial, batch or lot number from which the individual radiopharmaceutical quantity (dose) was produced. Row 27 the Radiopharmaceutical Identifier records the identification for each individual dose.**~~
~~**Row 29**~~	~~**Identifies the lot or unit serial number for the reagent component for the radiopharmaceutical identified in row 27.**~~
~~**Row 30**~~	~~**Identifies the lot or unit serial number for the radionuclide component for the radiopharmaceutical identified in row 27.**~~

Add new DICOM PS3.16 template:

TID tttt1 Radiopharmaceutical Product Description

Table TID tttt1. Radiopharmaceutical Product Description

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1	>	CONTAINS	CODE	EV (113510, DCM, "Drug Product Identifier")	1-n	U		
2	>	CONTAINS	TEXT	EV (111529, DCM, "Brand Name")	1	U		
3	>	CONTAINS	TEXT	EV (113511, DCM, "Radiopharmaceutical Dispense Unit Identifier")	1	U		
4	>>	CONTAINS	TEXT	EV (113512, DCM, "Radiopharmaceutical Lot Identifier")	1-n	U		
5	>>	CONTAINS	TEXT	EV (113513, DCM, "Reagent Vial Identifier")	1-n	U		
6	>>	CONTAINS	TEXT	EV (113514, DCM, "Radionuclide Identifier")	1-n	U		

Content Item Descriptions

Row 1	Registered drug establishment code for the product. A coding scheme example is NDC, WHO-DDE or RxNorm. Multiple entries can be used for equivalent drug product codes.
Row 3	The human readable identification of the specific radiopharmaceutical quantity (dose) administered to the patient.
Row 4	Identifies the vial, batch or lot number from which the individual radiopharmaceutical quantity (dose) was produced. Row 3 the Radiopharmaceutical Identifier records the identification for each individual dose.
Row 6	Identifies the lot or unit serial number for the reagent component for the radiopharmaceutical identified in row 3.
Row 6	Identifies the lot or unit serial number for the radionuclide component for the radiopharmaceutical identified in row 3.