



## Content Item Descriptions

Row 2	<p>“Projection X-Ray” refers to procedures performed on either integrated equipment (where information is passed between the x-ray source (generator and tube), detector, and mechanical systems), or non-integrated equipment (where data might not be available for one or more components such as cassette-based systems). The data availability can be described in Rows 7, 8 and 9. The specific type of equipment can be described in Row 3b.</p> <p><b><u>The coded term for “Mammography” is intended to encompass all types of projection X-Ray imaging of the breast.</u></b></p> <p>Note: Mammography exams are distinguished by a different value in this attribute, Angiography exams are distinguished by the Irradiation Event Type attribute = Fluoroscopy, CR/DR exams are distinguished by one or more of the Data Availability Flags = No, and CT exams are distinguished by the use of a different template.</p>
Row 4	The observer context may include both a Person Observer identification, as well as the identity of the equipment providing the values for the irradiation event (Device Observer identification), if not inherited.
...	

Update dose units in TID 10003a (see CP-1077)

### 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 14 are not (113858, DCM, “MPPS Content”)	Units = EV (Gy, UCUM, “Gy”)
2		TEXT	EV (113780, DCM, “Reference Point Definition”)	1	MC	IF Row 1 is present and Row 3 is not present	
3		CODE	EV (113780, DCM, “Reference Point Definition”)	1	MC	IF Row 1 is present and Row 2 is not present	DCID (10025) Radiation Dose Reference Points
3b		NUM	EV (111631, DCM, “Average Glandular Dose”)	1	MC	IFF TID (10001) Row 2 = (P5-40010, SRT, “Mammography”)	Units = EV ( <b>dm</b> Gy, UCUM “ <b>dm</b> Gy”)
4		CODE	EV (113732, DCM, “Fluoro Mode”)	1	UC	IFF TID (10003) Row 5 value = (P5-06000, SRT, “Fluoroscopy”)	DCID (10004) Fluoro Modes
5		NUM	EV (113791, DCM, “Pulse Rate”)	1	MC	IFF Row 4 value = (113631, DCM, “Pulsed”)	Units = EV ({pulse}/s, UCUM, “pulse/s”)
...							

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Row 1	Dose applied by this irradiation event, relative to defined reference point.
Row 6	If a precise count of pulses is not available, an estimated number shall be provided, and the Row 7 Concept Modifier shall indicate “Estimated”
...	

## TID 10005      Accumulated Mammography X-Ray Dose

This modality specific template provides detailed information on **mammography breast imaging projection** X-Ray dose value accumulations over several irradiation events from the same equipment (typically a study or a performed procedure step).

**TID 10005**  
**ACCUMULATED MAMMOGRAPHY X-RAY DOSE**  
**Type: Extensible      Order: Significant**

	<b>NL</b>	<b>Rel with Parent</b>	<b>VT</b>	<b>Concept Name</b>	<b>VM</b>	<b>Req Type</b>	<b>Condition</b>	<b>Value Set Constraint</b>
1			NUM	EV (111637, DCM, "Accumulated Average Glandular Dose")	1-2	M		Units = EV ( <b>dm</b> Gy, UCUM " <b>dm</b> Gy")
2	>	HAS CONCEPT MOD	CODE	EV ( G-C171, SRT, "Laterality")	1	M		DCID (6022) Side