DICOM Correction Proposal

STATUS	Final Text
Date of Last Update	2024/01/14
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Submission Date	2023/03/07

Correction Number CP-2287
Log Summary: Update mammography dose reference point code meaning
Name of Standard PS3.16 2023e
Rationale for Correction: CID 10025 Radiation Dose Reference Point provides a list of typical reference points for radiation dose reporting for a variety of imaging systems. One code commonly used for mammography systems (113865, DCM, “Entrance exposure to a 4.2 cm breast thickness”) does not have a meaning or definition that describes a reference point. This CP aligns the code meaning to be similar with other reference points in the table. The proposed wording modifies the code meaning to what we (WG28) believe the code is supposed to mean.
Correction Wording:

Modify Table CID 10025. Radiation Dose Reference Point in Part 16:

CID 10025 Radiation Dose Reference Point

Table CID 10025. Radiation Dose Reference Points

Coding Scheme Designator	Code Value	Code Meaning
DCM	113860	15cm from Isocenter toward Source
DCM	113861	30cm in Front of Image Input Surface
DCM	113862	1cm above Tabletop
DCM	113863	30cm above Tabletop
DCM	113864	15cm from Table Centerline
DCM	113865	~~Entrance exposure to a 4.2 cm breast thickness~~ **4.2cm above Breast Support Surface**
DCM	113941	In Detector Plane
DCM	113964	At Surface of Patient
DCM	113965	100cm from X-Ray Source

Modify the following Coded terms to Part 16 Annex D: Table D-1

D DICOM Controlled Terminology Definitions (Normative)

Table D-1. DICOM Controlled Terminology Definitions

Code Value	Code Meaning	Definition	Notes
113865	~~Entrance exposure to a 4.2 cm breast thickness~~ **4.2cm above Breast Support Surface**	~~Standard breast means a 4.2 centimeter (cm) thick compressed breast consisting of 50 percent glandular and 50 percent adipose tissue.~~ **4.2cm from the breast support surface in the direction orthogonal to the support surface. This point represents the entrance point for radiation to a standard 4.2cm thick compressed breast.** See Department of Health and Human Services, Food and Drug Administration. Mammography quality standards; final rule. Federal Register. Oct. 28, 1997; 68(208):55852-55994; see 900.2(uu).	