

1	Status	inal Text
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8	Correction Number CP-1449	
9	Log Summary: Clarify Modality Device Code Definitions	
10	Name of Standard	
11	PS3.16 2015c	
12	Rationale for Correction:	
13	CP 310 added codes corresponding to all of the existing string defined terms for type of equipment for the Modality (0008,0060),	
14	then used them in context groups 29 Acquisition Modality and 30 DICOM Devices.	
15	The definitions of these codes sometimes included the word "device" and sometimes failed to. The absence of "device" (or more	
16	detail) in the definition creates potential ambiguity outside inclusion in a specific context group.	
17	E.g., "Segmentation" is the code meaning of both (SEG, DCM, "Segmentation"), defined only as "Segmentation" and (113076, DCM,	
18	"Segmentation"), defined as "Values are derived by segmentation (classification into tissue types) of acquired data".	
19	Revise the definitions for this entire set of concepts.	
20	Retire the "OT" concept ("Other modality"), which is not used in any existing context group.	
21	Replace the DSS definition with that from IHE SWF, from whence the DSS concept original comes.	
22	Insert definition for IVOCT; Sup 151 added the code to CID 29 but did not provide a definition.	
23	Insert definition for OSS; Sup 154 added the code to CID 29 but did not provide a definition.	
24	Correction Wording:	

Amend DICOM PS3.16 as follows (changes to existing text are bold and underlined for additions and ~~struckthrough~~ for removals):

Table D-1. DICOM Controlled Terminology Definitions

Code Value	Code Meaning	Definition	Notes
ARCHIVE	Archive	<del>Archive device</del> <b><u>A device, process or method that stores images and other objects for a prolonged period of time.</u></b>	
AR	Autorefraction	<b><u>An acquisition device, process or method that measures</u></b> Autorefraction <del>device.</del>	
AS	Angioscopy	<b><u>An acquisition device, process or method that records images during</u></b> Angioscopy <del>device.</del>	Retired
AU	Audio	<b><u>An acquisition device, process or method that records</u></b> Audio <del>object.</del>	
BDUS	Ultrasound Bone Densitometry	<b><u>An acquisition device, process or method that performs</u></b> Ultrasound Bone Densitometry <del>(modality).</del>	
BI	Biomagnetic imaging	<b><u>An acquisition device, process or method that performs</u></b> Biomagnetic imaging <del>device.</del>	
BMD	Bone Mineral Densitometry	<b><u>An acquisition device, process or method that performs</u></b> Bone Mineral Densitometry by X-Ray <del>(modality)</del> , including dual-energy X-Ray absorptiometry (DXA) and morphometric X-Ray absorptiometry (MXA).	
CAD	Computer Assisted Detection/Diagnosis	<b><u>An image processing device, process or method that performs</u></b> Computer Assisted Detection/Diagnosis <del>device.</del>	
CAPTURE	Image Capture	<b><u>An acquisition device, process or method that performs</u></b> Image Capture <del>Device</del> , includes video capture.	
CD	Color flow Doppler	<b><u>An acquisition device, process or method that performs</u></b> Color flow Doppler	Retired Replaced by (US, DCM, "Ultrasound")
CF	Cinefluorography	<b><u>An acquisition device, process or method that performs</u></b> Cinefluorography	Retired Replaced by (RF, DCM, "Radiofluoroscopy")
COMP	Computation Server	<b><u>A device, process or method that performs</u></b> Computation <del>Device as a service</del> ; includes radiotherapy planning.	
CP	Culposcopy	<b><u>An acquisition device, process or method that records images during</u></b> Culposcopy	Retired
CR	Computed Radiography	<b><u>An acquisition device, process or method that performs</u></b> Computed Radiography <del>device.</del>	
CS	Cystoscopy	<b><u>An acquisition device, process or method that records images during</u></b> Cystoscopy	Retired
CT	Computed Tomography	<b><u>An acquisition device, process or method that performs</u></b> Computed Tomography <del>device.</del>	
DD	Duplex Doppler	<b><u>An acquisition device, process or method that performs</u></b> Duplex Doppler	Retired Replaced by (US, DCM, "Ultrasound")

Code Value	Code Meaning	Definition	Notes
DF	Digital fluoroscopy	<b><u>An acquisition device, process or method that performs Digital fluoroscopy</u></b>	Retired Replaced by (RF, DCM, "Radiofluoroscapy")
DG	Diaphanography	<b><u>An acquisition device, process or method that performs Diaphanography</u></b> -device.	
DM	Digital microscopy	<b><u>An acquisition device, process or method that performs Digital microscopy</u></b>	Retired
DOCD	Document Digitizer Equipment	<b><u>A device, process or method</u></b> Equipment that digitizes hardcopy documents and imports them.	
DS	Digital Subtraction Angiography	<b><u>An acquisition device, process or method that performs Digital Subtraction Angiography</u></b>	Retired Replaced by (XA, DCM, "X-Ray Angiography")
DSS	Department System Scheduler	<b><u>Department System Scheduler, workflow manager; includes RIS-A department-based information system (for instance, Radiology or Laboratory) that provides functions related to the management of orders received from external systems or through the department system's user interface. This definition matches that of the DSS/OF Actor in the IHE Scheduled Workflow (SWF) Profile.</u></b>	
DX	Digital Radiography	<b><u>An acquisition device, process or method that performs Digital Radiography</u></b> -device.	
EC	Echocardiography	<b><u>An acquisition device, process or method that performs Echocardiography</u></b>	Retired Replaced by (US, DCM, "Ultrasound")
ECG	Electrocardiography	<b><u>An acquisition device, process or method that performs Electrocardiography</u></b> -device.	
EPS	Cardiac Electrophysiology	<b><u>An acquisition device, process or method that performs Cardiac Electrophysiology</u></b> -device.	
ES	Endoscopy	<b><u>An acquisition device, process or method that records images during</u></b> Endoscopy-device.	
FA	Fluorescein angiography	<b><u>An acquisition device, process or method that performs Fluorescein angiography</u></b>	Retired Replaced by (OP, DCM, "Ophthalmic photography")
FILMD	Film Digitizer	<b><u>A device, process or method that performs</u></b> Film Digitization.	
FS	Fundoscopy	<b><u>An acquisition device, process or method that records images during</u></b> Fundoscopy	Retired
GM	General Microscopy	<b><u>An acquisition device, process or method that performs General Microscopy</u></b> -device.	
HC	Hard Copy	<b><u>A device, process or method that creates images to be printed as</u></b> Hard Copy.	
HD	Hemodynamic Waveform	<b><u>An acquisition device, process or method that records Hemodynamic Waveforms</u></b> -acquisition-device.	
IO	Intra-oral Radiography	<b><u>An acquisition device, process or method that performs Intra-oral Radiography</u></b> -device.	

Code Value	Code Meaning	Definition	Notes
<b>IVOCT</b>	<b>Intravascular Optical Coherence Tomography</b>	<b>An acquisition device, process or method that performs Intravascular Optical Coherence Tomography.</b>	
IVUS	Intravascular Ultrasound	<b>An acquisition device, process or method that performs</b> Intravascular Ultrasound <del>device</del> .	
KER	Keratometry	<b>An acquisition device, process or method that performs</b> Keratometry <del>device</del> .	
KO	Key Object Selection	<b>A device, process or method that creates</b> Key Object Selection objects.	
LEN	Lensometry	<b>An acquisition device, process or method that performs</b> Lensometry <del>device</del> .	
LOG	Procedure Logging	<b>A device, process or method that performs</b> Procedure Logging <del>device</del> ; includes cath lab logging.	
LP	Laparoscopy	<b>An acquisition device, process or method that records images during</b> Laparoscopy	Retired
LS	Laser surface scan	<b>An acquisition device, process or method that performs</b> Laser surface scanning <del>device</del> .	
MA	Magnetic resonance angiography	<b>An acquisition device, process or method that performs</b> Magnetic resonance angiography	Retired  Replaced by (MR, DCM, "Magnetic resonance")
MCD	Media Creation Device	A device, <b>process or method</b> that creates DICOM ??? interchange media. E.g., a CD creator that is managed by the Media Creation Management Service Class.	
MEDIM	Portable Media Importer Equipment	<b>A device, process or method</b> <del>Equipment</del> that retrieves and imports objects from interchange Media.	
MG	Mammography	<b>An acquisition device, process or method that performs</b> Mammography <del>device</del> .	
MR	Magnetic Resonance	<b>An acquisition device, process or method that performs</b> Magnetic Resonance <del>device</del> <b>imaging</b> .	
MS	Magnetic resonance spectroscopy	<b>An acquisition device, process or method that performs</b> Magnetic resonance spectroscopy	Retired  Replaced by (MR, DCM, "Magnetic resonance")
NM	Nuclear Medicine	<b>An acquisition device, process or method that performs</b> Nuclear Medicine <del>device</del> <b>imaging</b> .	
OAM	Ophthalmic Axial Measurements	<b>Measurements of</b> <b>An acquisition device, process or method that measures</b> the axial length of the eye, <del>which are done by various devices</del> .	
OCT	Optical Coherence Tomography	<del>Modality</del> <b>An acquisition device, process or method</b> that uses an interferometric, non-invasive optical tomographic technique to image 2D slices and 3D volumes of tissue using visible and near visible frequencies.	
OP	Ophthalmic photography	<b>An acquisition device, process or method that performs</b> Ophthalmic photography <del>modality</del> .	
OPM	Ophthalmic Mapping	<b>An acquisition</b> <del>Modality</del> <b>device, process or method</b> that measures corneal topography, corneal or retinal thickness, and other similar parameters that are typically displayed as maps.	
OPR	Ophthalmic Refraction	<b>An acquisition</b> <del>Modality</del> <b>device, process or method</b> that measures the refractive characteristics of the eye.	

Code Value	Code Meaning	Definition	Notes
OPT	Ophthalmic Tomography	<b><u>An acquisition device, process or method that performs</u></b> Tomography of the eye <del>acquired by a modality</del> that is based on light and optical principles. Tomography based on other principles, such as ultrasound, is excluded.	
OPV	Ophthalmic Visual Field	<b><u>An acquisition device, process or method that</u></b> measures visual fields and perform visual perimetry.	
<b><u>OSS</u></b>	<b><u>Optical Surface Scanner</u></b>	<b><u>An acquisition device, process or method that performs</u></b> <b><u>optical surface scanning.</u></b>	
OT	Other Modality	Other Modality device.	<b><u>Retired</u></b>
PR	Presentation State	<b><u>A device, process or method that creates</u></b> Presentation State objects.	
PRINT	Hard Copy Print Server	Hard Copy Print Server; includes printers with embedded DICOM print server.	
PT	Positron emission tomography	<b><u>An acquisition device, process or method that performs</u></b> Positron emission tomography (PET)- <del>device</del> .	
PX	Panoramic X-Ray	<b><u>An acquisition device, process or method that performs</u></b> Panoramic X-Ray- <del>device</del> .	
REG	Registration	<b><u>An image processing device, process or method that creates</u></b> Registration <del>objects</del> .	
RF	Radiofluoroscopy	<b><u>An acquisition device, process or method that performs</u></b> Radiofluoroscopy- <del>device</del> .	
RG	Radiographic imaging	<b><u>An acquisition device, process or method that performs</u></b> Radiographic imaging (conventional film/screen).	
RT	Radiation Therapy Device	<b><u>A device, process or method that delivers</u></b> Radiation Therapy <del>device</del> ; includes linear accelerator, proton therapy.	
RTDOSE	Radiotherapy Dose	<b><u>A device, process or method that records</u></b> Radiotherapy Dose.	
RTIMAGE	Radiotherapy Image	<b><u>An acquisition device, process or method that performs</u></b> Radiotherapy Imaging- <del>device</del> ; includes portal imaging.	
RTPLAN	Radiotherapy Plan	<b><u>A device, process or method that produces</u></b> Radiotherapy Plans.	
RTRECORD	Radiotherapy Treatment Record	<b><u>A device, process or method that records</u></b> Radiotherapy Treatment Records.	
RTSTRUCT	Radiotherapy Structure Set	<b><u>A device, process or method that produces</u></b> Radiotherapy Structure Sets.	
SEG	Segmentation	<b><u>An image processing device, process or method that performs</u></b> Segmentation.	
SM	Slide Microscopy	<b><u>An acquisition device, process or method that performs</u></b> Slide Microscopy.	
SMR	Stereometric Relationship	<b><u>A device, process or method that records relationships</u></b> <b><u>between</u></b> Stereometric image pair <del>ing</del> <del>modality</del> .	
SR	Structured Report Document	<b><u>A device, process or method that creates</u></b> Structured Report Documents.	
SRF	Subjective Refraction	<b><u>An acquisition device, process or method that records</u></b> Subjective Refraction- <del>device</del> .	
ST	Single-photon emission computed tomography	<b><u>An acquisition device, process or method that performs</u></b> Single-photon emission computed tomography (SPECT) <del>device</del>	Retired Replaced by (NM, DCM, "Nuclear Medicine")

Code Value	Code Meaning	Definition	Notes
TG	Thermography	<u>An acquisition device, process or method that performs Thermography</u> -device.	
US	Ultrasound	<u>An acquisition device, process or method that performs Ultrasound</u> -device.	
VA	Visual Acuity	<u>An acquisition device, process or method that measures Visual Acuity</u> -device.	
VF	Videofluorography	<u>An acquisition device, process or method that performs Videofluorography</u>	Retired Replaced by (RF, DCM, "Radiofluoroscapy")
VIDD	Video Tape Digitizer Equipment	<u>A device, process or method</u> Equipment that digitizes video tape and imports it.	
WSD	Workstation	<u>Workstation</u> A networked computer equipped with a display and software for performing specific types of work, generally intended to be operated by a single user.	
XA	X-Ray Angiography	<u>An acquisition device, process or method that performs X-Ray Angiography</u> -device.	
XC	External-camera Photography	<u>An acquisition device, process or method that performs External-camera Photography</u> -device.	