

DICOM Correction Item

Correction Number CP-310	
Log Summary: Add modality codes to DICOM Controlled Terminology	
Type of Modification	Name of Standard
Clarification	PS 3.16
<p>Rationale for Correction</p> <p>There are several needs for representing modality codes within Structured Report content, and also as a DICOM-controlled set of codes for use in other standards such as HL7. This change adds the Modality Defined Terms from PS3.3 Section C.7.3.1.1.1 to the DICOM Controlled Terminology of PS3.16 so that they may be represented as coded terms rather than unconstrained text in SR.</p> <p>All current and retired modality codes are added to the Controlled Terminology to ensure continued uniqueness. Only the currently used codes for acquisition modalities are included in a Context Group of modalities, and a new set of terms for non-modality DICOM devices is added and used in another Context Group.</p> <p>The modality codes use alphabetic code points, and other DICOM Controlled Terms use numeric code points, so there is no potential confusion or overlap.</p>	
Sections of documents affected	
PS 3.16 Annex B and Annex D	
Correction Wording:	

Add to PS 3.16 Annex B

Context Group 29 Acquisition Modality

This Context Group includes codes that may be used to identify an image or waveform acquisition modality, as used in Attribute Modality (0008,0060) of a Composite SOP Instance Series Module (see PS3.3). It generally corresponds to a class of diagnostic equipment, or to a specific acquisition function or technique in a device.

Type: Extensible

Version: 20030108

Context ID 29 Acquisition Modality

Coding Scheme Designator	Code Value	Code Meaning
DCM	EPS	Cardiac Electrophysiology
DCM	CR	Computed Radiography
DCM	CT	Computed Tomography
DCM	DX	Digital Radiography
DCM	ECG	Electrocardiography
DCM	ES	Endoscopy

DCM	XC	External-camera Photography
DCM	GM	General Microscopy
DCM	HD	Hemodynamic Waveform
DCM	IO	Intra-oral Radiography
DCM	IVUS	Intravascular Ultrasound
DCM	MR	Magnetic Resonance
DCM	MG	Mammography
DCM	NM	Nuclear Medicine
DCM	PX	Panoramic X-Ray
DCM	PT	Positron emission tomography
DCM	RF	Radiofluoroscopy
DCM	RG	Radiographic imaging
DCM	RTIMAGE	Radiotherapy Image
DCM	SM	Slide Microscopy
DCM	US	Ultrasound
DCM	XA	X-Ray Angiography

Context Group 30 DICOM Devices

This Context Group includes codes that may be used to identify a class of equipment that uses DICOM.

Type: Extensible

Version: 20030108

Context ID 30 DICOM Devices

Coding Scheme Designator	Code Value	Code Meaning
INCLUDE CID 29 Acquisition Modality		
DCM	ARCHIVE	Archive
DCM	COMP	Computation Server
DCM	CAD	Computer Assisted Detection/Diagnosis
DCM	DSS	Department System Scheduler
DCM	FILMD	Film Digitizer
DCM	PRINT	Hard Copy Print Server
DCM	CAPTURE	Image Capture
DCM	LOG	Procedure Logging

DCM	RT	Radiation Therapy Device
DCM	WSD	Workstation

Add to PS 3.16 Annex D

DICOM Code Definitions (Coding Scheme Designator “DCM” Coding Scheme Version “01”)

Code Value	Code Meaning	Definition	Status
ARCHIVE	Archive	Archive device	
AS	Angioscopy	Angioscopy device	retired
AU	Audio	Audio object	
BI	Biomagnetic imaging	Biomagnetic imaging device	
CAD	Computer Assisted Detection/Diagnosis	Computer Assisted Detection/Diagnosis device	
CAPTURE	Image Capture	Image Capture Device, includes video capture	
CD	Color flow Doppler	Color flow Doppler	Retired – replaced by US
CF	Cinefluorography	Cinefluorography	Retired – replaced by RF
COMP	Computation Server	Computation Server; includes radiotherapy planning	
CP	Culposcopy	Culposcopy	retired
CR	Computed Radiography	Computed Radiography device	
CS	Cystoscopy	Cystoscopy	retired
CT	Computed Tomography	Computed Tomography device	
DD	Duplex Doppler	Duplex Doppler	retired
DF	Digital fluoroscopy	Digital fluoroscopy	Retired – replaced by RF
DG	Diaphanography	Diaphanography device	
DM	Digital microscopy	Digital microscopy	retired
DS	Digital Subtraction Angiography	Digital Subtraction Angiography	Retired – replaced by XA
DSS	Department System Scheduler	Department System Scheduler, workflow manager; includes RIS	

DX	Digital Radiography	Digital Radiography device	
EC	Echocardiography	Echocardiography	Retired – replaced by US
ECG	Electrocardiography	Electrocardiography device	
EPS	Cardiac Electrophysiology	Cardiac Electrophysiology device	
ES	Endoscopy	Endoscopy device	
FA	Fluorescein angiography	Fluorescein angiography	
FILMD	Film Digitizer	Film Digitizer	
FS	Fundoscopy	Fundoscopy	retired
GM	General Microscopy	General Microscopy device	
HC	Hard Copy	Hard Copy	
HD	Hemodynamic Waveform	Hemodynamic Waveform acquisition device	
IO	Intra-oral Radiography	Intra-oral Radiography device	
IVUS	Intravascular Ultrasound	Intravascular Ultrasound device	
KO	Key Object Selection	Key Object Selection object	
LOG	Procedure Logging	Procedure Logging device; includes cath lab logging	
LP	Laparoscopy	Laparoscopy	retired
LS	Laser surface scan	Laser surface scan device	
MA	Magnetic resonance angiography	Magnetic resonance angiography	Retired – replaced by MR
MG	Mammography	Mammography device	
MR	Magnetic Resonance	Magnetic Resonance device	
MS	Magnetic resonance spectroscopy	Magnetic resonance spectroscopy	Retired – replaced by MR
NM	Nuclear Medicine	Nuclear Medicine device	
OT	Other Modality	Other Modality device	
PR	Presentation State	Presentation State object	
PRINT	Hard Copy Print Server	Hard Copy Print Server; includes printers with embedded DICOM print server	
PT	Positron emission tomography	Positron emission tomography (PET) device	
PX	Panoramic X-Ray	Panoramic X-Ray device	
RF	Radiofluoroscopy	Radiofluoroscopy device	

RG	Radiographic imaging	Radiographic imaging (conventional film/screen)	
RT	Radiation Therapy Device	Radiation Therapy Device; includes linear accelerator, proton therapy	
RTDOSE	Radiotherapy Dose	Radiotherapy Dose	
RTIMAGE	Radiotherapy Image	Radiotherapy Imaging device; includes portal imaging	
RTPLAN	Radiotherapy Plan	Radiotherapy Plan	
RTRECORD	Radiotherapy Treatment Record	Radiotherapy Treatment Record	
RTSTRUCT	Radiotherapy Structure Set	Radiotherapy Structure Set	
SM	Slide Microscopy	Slide Microscopy	
SR	Structured Report Document	Structured Report Document	
ST	Single-photon emission computed tomography	Single-photon emission computed tomography (SPECT) device	
TG	Thermography	Thermography device	
US	Ultrasound	Ultrasound device	
VF	Videofluorography	Videofluorography	Retired – replaced by RF
WSD	Workstation	Workstation	
XA	X-Ray Angiography	X-Ray Angiography device	
XC	External-camera Photography	External-camera Photography device	