

DICOM Correction Proposal

STATUS	Assigned
Date of Last Update	2024/02/26
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Correction Number	CP-2387
Log Summary: new Context Group for Waveform Modalities	
Name of Standard PS3.16 current (2023e)	
Rationale for Correction: <p>For some purposes (e.g. in the Waveform Library Entry in the Waveform Annotation SR) it could be useful to refer to a Context Group containing just waveform modalities.  This CP proposes to move these waveform modalities from CID 29 to a separate Context Group and include this in Context Group 29.</p> <p>Modality code AU is now contained in CID 32. Non-Acquisition Modality, but only with the meaning "Basic Voice Audio". AU might also be "General Audio" and "Real-time Audio. Table D-1. also defines AU as "Audio", so the Code Meaning in CID 32 shall be corrected.</p> <p>[TBD. – Shall the Non-Acquisition Modalities also be split? AU would then go to a separate Context Group]</p> <p>[TBD. – There are many references to CID 29 from "Imaging" Templates. Would it be appropriate to also define Imaging Acquisition Modalities"?)</p>	
Correction Wording:	

*Change PS3.16 CID 29 to include the new CID with Waveform modalities*

**Table CID 29. Acquisition Modality**

Coding Scheme Designator	Code Value	Code Meaning
DCM	AR	Autorefraction
DCM	BI	Biomagnetic Imaging
DCM	BMD	Bone Mineral Densitometry
DCM	EPS	Cardiac Electrophysiology
DCM	CR	Computed Radiography
DCM	CT	Computed Tomography
DCM	DMS	Dermoscopy
DCM	DG	Diaphanography
DCM	DX	Digital Radiography
<del>DCM</del>	<del>ECG</del>	<del>Electrocardiography</del>

<u>DCM</u>	<u>EEG</u>	<u>Electroencephalography</u>
<u>DCM</u>	<u>EMG</u>	<u>Electromyography</u>
<u>DCM</u>	<u>EOG</u>	<u>Electrooculography</u>
DCM	ES	Endoscopy
DCM	XC	External-camera Photography
DCM	GM	General Microscopy
<u>DCM</u>	<u>HD</u>	<u>Hemodynamic Waveform</u>
DCM	IO	Intra-oral Radiography
DCM	IVOCT	Intravascular Optical Coherence Tomography
DCM	IVUS	Intravascular Ultrasound
DCM	KER	Keratometry
DCM	LS	Laser Scan
DCM	LEN	Lensometry
DCM	MR	Magnetic Resonance
DCM	MG	Mammography
DCM	NM	Nuclear Medicine
DCM	OAM	Ophthalmic Axial Measurements
DCM	OPM	Ophthalmic Mapping
DCM	OP	Ophthalmic Photography
DCM	OPT	Ophthalmic Tomography
DCM	OPTBSV	Ophthalmic Tomography B-scan Volume Analysis
DCM	OPTENF	Ophthalmic Tomography En Face
DCM	OPV	Ophthalmic Visual Field
DCM	OCT	Optical Coherence Tomography
DCM	OSS	Optical Surface Scanner
DCM	PX	Panoramic X-Ray
DCM	PA	Photoacoustic
<u>DCM</u>	<u>POS</u>	<u>Position Sensor</u>
DCM	PT	Positron emission tomography
DCM	RF	Radiofluoroscopy
DCM	RG	Radiographic imaging
<u>DCM</u>	<u>RESP</u>	<u>Respiratory Waveform</u>
DCM	RTIMAGE	RT Image
DCM	SM	Slide Microscopy
DCM	SRF	Subjective Refraction
DCM	TG	Thermography
DCM	US	Ultrasound
DCM	BDUS	Ultrasound Bone Densitometry
DCM	VA	Visual Acuity
DCM	XA	X-Ray Angiography
<b><i>Include CID xxx "Waveform Acquisition Modality"</i></b>		

Change PS3.16 CID 32 – correct the Code Meaning for AU

**Table CID 32. Non-Acquisition Modality**

Coding Scheme Designator	Code Value	Code Meaning
DCM	ASMT	Content Assessment Result
DCM	AU	<del>Basic Voice</del> Audio
DCM	CTPROTOCOL	CT Protocol
DCM	DOC	Document
DCM	FID	Spatial Fiducials
DCM	HC	Hard Copy
DCM	IOL	Intraocular Lens Calculation
DCM	KO	Key Object Selection
DCM	M3D	Model for 3D Manufacturing
DCM	OT	Other
DCM	PLAN	Plan
DCM	PR	Presentation State
DCM	REG	Registration
DCM	RTDOSE	RT Dose
DCM	RTPLAN	RT Plan
DCM	RTRECORD	RT Treatment Record
DCM	RTSTRUCT	RT Structure Set
DCM	RWV	Real World Value Map
DCM	SEG	Segmentation
DCM	SMR	Stereometric Relationship
DCM	SR	Structured Report Document
DCM	STAIN	Automated Slide Stainer
DCM	TEXTUREMAP	Texture Map

Add new CIDs to PS3.16 and correct some meanings

**CID XXX WAVEFORM ACQUISITION MODALITY**

Resources: [HTML](#) | [FHIR JSON](#) | [FHIR XML](#) | [IHE SVS XML](#)  
 Keyword: **Waveform Acquisition Modality**  
 FHIR Keyword: **dicom-cid-xxx-WaveformAcquisitionModality**  
 Type: **Extensible**  
 Version: **t.b.d**  
 UID: **1.2.840.10008.6.1.xxx**

**Table CID xxx. Waveform Acquisition Modality**

Coding Scheme Designator	Code Value	Code Meaning
DCM	ECG	Electrocardiography
DCM	EEG	Electroencephalography

DCM	EMG	Electromyography
DCM	EPS	Cardiac Electrophysiology
DCM	EOG	Electrooculography
DCM	HD	Hemodynamic <del>Waveform</del> <b>Modality</b>
DCM	POS	Position Sensor
DCM	RESP	Respiratory <del>Waveform</del> <b>Modality</b>

Change PS3.16 Table D-1. DICOM Controlled Terminology ...

**Table D-1. DICOM Controlled Terminology Definitions (...)**

Code Value	Code Meaning	Definition	Notes
...			
HD	Hemodynamic <del>Waveform</del> <b>Modality</b>	An acquisition device, process or method that recordshemodynamic waveforms.	
...			
RESP	Respiratory <del>Waveform</del> <b>Modality</b>	A device, process or method that produces waveforms of electrical signals from the patient's respiratory system.	