

DICOM Correction Proposal

STATUS	Final Text
Date of Last Update	2012/03/22
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Correction Number	CP-1184
Log Summary: Retire CID 3082	
Name of Standard PS 3.3 2011 PS 3.6 2011 PS 3.16 2011	
<p>Rationale for Correction</p> <p>CID 3082, identified in PS3.16 as “Cardiology Units of Measurement”, is not referenced anywhere in PS3.16. It is referenced in PS3.3 in Section C.10.9 Waveform Module as the Defined Context Group for the Channel Sensitivity Units Sequence, where it is identified as “Waveform Units of Measurement”.</p> <p>It is also referenced, improperly, in PS3.3 in Section C.8.17.8 Ophthalmic Tomography Acquisition Parameters Module as the Defined Context Group for the Mydriatic Agent Concentration Units Sequence.</p> <p>The content of CID 3082 is also not fully appropriate to Waveform Units of Measurement, and the code meanings do not conform to best practice of using the UCUM preferred “print” string.</p> <p>CID 3082’s intent as a subset of CID 82 (UCUM) for waveform units is not necessary, and it is preferable to retire it and simply specify CID 82, rather than to have an inconsistent and improper specification.</p>	
Correction Wording:	

PS 3.3 Annex C.8.17.8 Ophthalmic Tomography Acquisition Parameters Module

**Table C.8.17.8-2
OPHTHALMIC ACQUISITION PARAMETERS MACRO**

Attribute Name	Tag	Type	Attribute Description
...			
Mydriatic Agent Sequence	(0022,0058)	2C	<p>Information about the agent administered.</p> <p>Zero or more items shall be included in this sequence.</p> <p>Note: An empty sequence indicates that an agent was used for dilation, but the name was not entered.</p> <p>Required if the value of Pupil Dilated (0022,000D) is YES.</p>
...			

>Mydriatic Agent Concentration Units Sequence	(0022,0042)	1C	Units of measure for the Mydriatic Agent Concentration. Only a single Item shall be included in this sequence. Required if Mydriatic Agent Concentration (0022,004E) is present.
>>Include 'Code Sequence Macro' Table 8.8-1.			Defined CID 3082
...			

PS 3.3 Annex C.10.9 Waveform Module

**Table C.10-9
Waveform Module Attributes**

Attribute Name	Tag	Type	Attribute Description
Waveform Sequence	(5400,0100)	1	Sequence of Items, each representing one waveform multiplex group. One or more Items shall be included in this sequence. Ordering of Items in this Sequence is significant for external reference to specific multiplex groups.
...			
>Channel Definition Sequence	(003A,0200)	1	Sequence of Items, with one Item per channel (see C.10.9.1.4). One or more Items shall be included in this sequence. Ordering of Items in this Sequence is significant for reference to specific channels.
...			
>>Channel Sensitivity	(003A,0210)	1C	Nominal numeric value of unit quantity of sample. Required if samples represent defined (not arbitrary) units.
>>Channel Sensitivity Units Sequence	(003A,0211)	1C	A coded descriptor of the Units of measure for the Channel Sensitivity. Only a single Item shall be included in this sequence. (See C.10.9.1.4.2). Required if Channel Sensitivity (003A,0210) is present.
>>>Include 'Code Sequence Macro' Table 8.8-1.			Defined Context ID = 3082
...			

C.10.9.1.4.2 Channel Sensitivity and Channel Sensitivity Units

Channel Sensitivity is the nominal value of one unit (i.e., the least significant bit) of each waveform sample in the Waveform Data attribute (5400,1010). It includes both the amplifier gain and the analog-digital converter resolution. It does not relate the vertical scaling of a waveform on a particular display.

Note: **A prior edition specified CID 3082 as the Defined Context Group for Channel Sensitivity Units Sequence. CID 3082 was a subset of CID 82 Units Of Measurement, and has been retired in favor of the more general CID 82. See PS3.3-2011.**

The Defined (default) Context Group for Channel Sensitivity Units Sequence is CID 3082 Waveform Units of Measurement, which includes all the commonly used measurement values. Units of measurement not included in the default list can be specified using the more general CID 82 Units of Measurement, or a local Coding Scheme. The Defined Context ID may be replaced in a specialization of the IOD.

**Table A-3
CONTEXT GROUP UID VALUES**

Context UID	Context Identifier	Context Group Name
...		
1.2.840.10008.6.1.50	3082	Cardiology Units of Measurement (Retired)
...		

CID 3082 Cardiology Units of Measurement (Retired)

This Context Group was a subset of CID 82 Units of Measurement, and is retired. See PS3.16-2011.

**Context ID 3082
Cardiology Units of Measurement
Type: Extensible Version: 20060613**

Coding Scheme	Code Value	Code Meaning
UCUM	dB(A)	A scale of loudness
UCUM	{arb^U}	arbitrary unit
UCUM	cm	centimeter
UCUM	cm/s	centimeter/second
UCUM	d	day
UCUM	dB	decibel
UCUM	Cel	degrees Celsius
UCUM	{H.B.}/min	Heart beat per minute
UCUM	Hz	Herz
UCUM	h	hour
UCUM	J	Joule
UCUM	kHz	kiloHerz
UCUM	kOhm	kiloOhm
UCUM	km/h	kilometer per hour
UCUM	kPa	kiloPascal
UCUM	l/min	liter per minute
UCUM	MHz	megaHerz
UCUM	{MET}	Metabolic equivalent
UCUM	uV	microvolt
UCUM	{mi_i}/h	mile per hour
UCUM	mm	millimeter
UCUM	ml/min	milliliter per minute
UCUM	ml/s	milliliter per second
UCUM	mm[Hg]	millimeter of mercury

UCUM	mV	millivolt
UCUM	min	minute
UCUM	mm/s	mm/s
UCUM	%	percent
UCUM	s	second
UCUM	mm ²	square-millimeter
UCUM	1	unary
UCUM	V	volt
UCUM	W	Watt