

DICOM Correction Item

Correction Number CP-455	
Log Summary: Correct multiplicity in TID 1002	
Type of Modification	Name of Standard
Modification	PS 3.16
<p>Rationale for Correction:</p> <p>The current definition of Observer Context in TID 1002 does not accurately reflect the intended structure. While the intent may be apparent to a human reader, the actual specification allows undesirable constructs. This is remedied by pushing the multiplicity up one level to the invoking Template.</p> <p>Further, the Observer Type Content Item is specified as User Optional, but a default of Person is specified; this implies that it is optional if the Observer Type is Person, but Mandatory if the Observer Type is Device. (It cannot be optional for a device, because if it is not present the default is a person.) This Content Item is therefore modified to be Mandatory Conditional.</p> <p>Additionally, the value set constraint for Observer Type is moved to an explicit Context Group, and definitions are provided for observation context DCM codes.</p>	
Sections of documents affected PS 3.16 Annex B and Annex C	
Correction Wording:	

Edit all invocations of TID 1002 [in TID 1001, 2010, 3500 (Sup 66), and 3700 (Sup 66)] as follows:

NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
...	HAS OBS CONTEXT	INCLUDE	DTID (1002) Observer Context	1- <u>n</u>	

Modify TID 1002:

TID 1002 Observer Context

The observer (person or device) that created the Content Items to which this context applies.

Whenever this template is invoked, all previously inherited attributes of Observer Context are discarded and replaced.

There may be more than one observer, **as this template may be invoked with a VM 1-n**, and both person and device observers. In such a case, the Content Items of TID 1003 and 1004 shall be included in the order in which the values of Observer Type are specified. Since TID 1003 and 1004 both include a single mandatory Content Item as their first Content Item, which observer is being described can be determined.

**TID 1002
 OBSERVER CONTEXT
 Type: Non-Extensible**

NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1	HAS OBS CONTEXT	CODE	EV (121005,DCM, "Observer Type")	1-n	UMC	IF Observer type is device	EV (121006,DCM, "Person") EV (121007,DCM, "Device") DCID (x270) Observer Type Defaults to (121006,DCM, "Person")
2	HAS OBS CONTEXT	INCLUDE	DTID (1003) "Person observer identifying attributes"	1-n	MC	IFF (121005,DCM, "Observer Type") Row 1 value = (121006,DCM, "Person") or Row 1 is absent	
3	HAS OBS CONTEXT	INCLUDE	DTID (1004) "Device observer identifying attributes"	1-n	MC	IFF (121005,DCM, "Observer Type") Row 1 value = (121007,DCM, "Device")	

Add new Context Group in PS3.16 Annex B

CID x270 Observer Type

**Context ID x270
 Observer Type**

Type: Non-Extensible Version: 2004mmdd

Coding Scheme Designator	Code Value	Code Meaning
DCM	121006	Person
DCM	121007	Device

Add definitions in PS3.16 Annex D

121001	Quotation Mode	<u>Type of source for observations quoted from an external source</u>	
121002	Quoted Source	<u>Reference to external source of quoted observations</u>	
121003	Document	<u>Documentary source of quoted observations</u>	
121004	Verbal	<u>Verbal source of quoted observations</u>	
121005	Observer Type	<u>Type of observer that created the observations</u>	
121006	Person	<u>Human observer created the observations</u>	
121007	Device	<u>Automated device created the observations</u>	
121008	Person Observer Name	<u>Name of human observer that created the observations</u>	
121009	Person Observer's Organization Name	<u>Organization or institution with which the human observer is affiliated for the context of the current observation</u>	
121010	Person Observer's Role in the Organization	<u>Organizational role of human observer for the context of the current observation</u>	
121011	Person Observer's Role in this Procedure	<u>Procedural role of human observer for the context of the current observation</u>	
121012	Device Observer UID	<u>Unique identifier of automated device that created the observations</u>	
121013	Device Observer Name	<u>Institution-provided identifier of automated device that created the observations</u>	
121014	Device Observer Manufacturer	<u>Manufacturer of automated device that created the observations</u>	
121015	Device Observer Model Name	<u>Manufacturer-provided model name of automated device that created the observations</u>	
121016	Device Observer Serial Number	<u>Manufacturer-provided serial number of automated device that created the observations</u>	
121017	Device Observer Physical Location during observation	<u>Location of automated device that created the observations</u>	