

# DICOM Change Proposal

STATUS	Letter ballot
Date of Last Update	2026-01-28
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Change Number	CP-2494
Log Summary: Include TID 1002 in TID 3700 with correct Relationship Type	
Name of Standard	
PS3.16	
Rationale for Change:	
The SR Template TID 3700 "ECG Report" includes TID 1002 "Observer Context" with a Relationship Type of "CONTAINS". This is not possible because TID 1002 uses a Relationship Type of "HAS OBS CONTEXT" for all top-level Content Items (see "Rel with Parent" column in Table TID 1002). It is proposed to fix this issue and to clarify that there shall be no conflict regarding the Relationship Type and Mode between the Template that includes another Template and the included Template.	
Change Wording:	

## ***Modify PS3.16 Section 6.1 as indicated***

5 (changes to existing text are bold and underlined for additions and bold and struckthrough for removals):

## **6.1 Template Table Field Definition**

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The semantics of the fields (columns) of Template tables are defined by subsections of this Section. A row of a Template table specifies either one Content Item or inclusion of another Template that may specify any number of Content Items (see Section 6.2.3 for definition of "**Included Templates**"). Each Template table is named by a title, identified by a TID number and further explained by a description such as explanation of Template contents, purpose and use cases.

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## ***Modify PS3.16 Section 6.1.3 to 6.1.5 as indicated***

(changes to existing text are bold and underlined for additions and bold and struckthrough for removals):

### **15 6.1.3 Relationship With Source Content Item (Parent)**

Relationship Type and Relationship Mode (i.e., By-value or By-reference) constraints, if defined, are specified in this field, as described Table 6.1.3-1.

Relationship Type and Mode are specified for each row that specifies a target Content Item.

20 Relationship Type and Mode may also be specified when another Template is included, either "top-down" or "bottom-up" or both (i.e., in the "INCLUDE Template" row of the calling Template, or in all rows of the included Template, or in both places). There shall be no conflict between the Relationship Type and Mode of a row that includes another Template and the Relationship Type and Mode of the rows of the included Template. **See Section 6.2.3 for further description of "Included Templates".**

Note

25 SR IODs specify Enumerated Values for Relationship Types. If a Relationship Type other than one of the Defined Terms for Relationship Type (0040,A010) is specified in a Private SOP Class, there is a significant risk to interoperability. Documentation accompanying Templates for Private SOP Classes should define any Relationship-type extensions in the manner that the Standard Relationship Types are defined in PS3.3.

Acquisition Context and Protocol Context Templates have no Relationship field.

30 **Table 6.1.3-1. Syntax of Relationship Constraints**

Expression	Definition
RTYPE	Relationship Mode is By-value and Relationship Type is RTYPE. For example, "INFERRRED FROM".
R-RTYPE	Relationship Mode is By-reference and Relationship Type is RTYPE. For example, "R-INFERRRED FROM".

#### 6.1.4 Value Type (VT)

35 The Value Type field specifies the SR Value Type of the Content Item or conveys the word "INCLUDE" to indicate that another Template is to be included (substituted for the row). **See Section 6.2.3 for further description of "Included Templates".**

#### 6.1.5 Concept Name

Any constraints on the Concept Name are specified in the Concept Name field as defined or enumerated coded entries, or as baseline or defined Context Groups. Alternatively, when the VT field is "INCLUDE", the Concept Name field specifies the Template to be included. **See Section 6.2.3 for further description of "Included Templates".**

40 The absence of an entry in the Concept Name field means that any code may be used, from any Coding Scheme, including codes from private Coding Schemes.

***Modify PS3.16 Section 6.2.2 and 6.2.3 as indicated***

*(changes to existing text are bold and underlined for additions and bold and struckthrough for removals):*

45 **6.2.2 Target Content Items of Relationships**

When it is necessary to specify the Target Content Item(s) of a relationship, they are specified in the row(s) immediately following the Source Content Item. The Nesting level of a Target Content Item (or set of Target Content Items specified indirectly via **inclusion of another Template, see Section 6.2.3**) is one greater than the Nesting Level of the corresponding Source Content Item, as indicated by an increase in the number of ">" characters in the nesting level.

50 When a Content Item may be the Source of multiple relationships having different Relationship Types and/or different Relationship Modes and/or different patterns of Target Content Item(s), the description of each different case begins in a separate row of the Template Table.

When the Source Content Item of a relationship has VM of greater than 1, the specified pattern of Target Content Items applies to all instantiations of the Source Content Item.

55 Note

For example, if a Template specifies that the VM of a Source Content Item is 1-n and specifies a By-value relationship to two CODE Content Items with particular value set constraints, then each instantiation of the Source Content Item has a By-value relationship to two CODE Content Items with the specified value constraints.

60 When a Source Content Item that has a Requirement Type of U, UC or MC is not present (is not instantiated), no Target Content Items of that Source Content Item are present, even if one or more of the Target Content Items is designated with a Requirement Type of M or MC.

Note

In other words, potential children are not present when there is no parent.

## 65 6.2.3 Inclusion of Templates

A Template may specify another Template to be included by specifying "INCLUDE" in the Value Type field and the identifier of the included Template in the Concept Name field. All of the rows of the specified Template are included in the invoking Template, effectively substituting the specified Template for the row where the inclusion is invoked. Whether or not the inclusion is user optional, mandatory or conditional is specified in the Requirement and Condition fields. The number of times the included Template may be repeated is specified in the VM field.

### 70 Note

**As defined in Section 6.1.3, there can be no conflict between the Relationship Type and Mode of a row that includes another Template and the Relationship Type and Mode of the rows of the included Template.**

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[...]

**For reference PS3.16 Section TID 1002 (unchanged)**

## TID 1002 Observer Context

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80 Type: Non-Extensible  
Order: Significant  
Root: No

**Table TID 1002. Observer Context**

	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	MC	IF Observer type is device	DCID 270 "Observer Type" Defaults to (121006, DCM, "Person")
2		HAS OBS CONTEXT	INCLUDE	DTID 1003 "Person Observer Identifying Attributes"	1	MC	IFF Row 1 value = (121006, DCM, "Person") or Row 1 is absent	
3		HAS OBS CONTEXT	INCLUDE	DTID 1004 "Device Observer Identifying Attributes"	1	MC	IFF Row 1 value = (121007, DCM, "Device")	
4		HAS OBS CONTEXT	INCLUDE	DTID 1015 "Person Observer Description"	1	U		

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**Modify PS3.16 Section TID 3700 as indicated**

*(changes to existing text are bold and underlined for additions and bold and struckthrough for removals):*

## TID 3700 ECG Report

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90 Type: Extensible  
Order: Significant  
Root: Yes

**Table TID 3700. ECG Report**

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (28010-7, LN, "ECG Report")	1	M		Root node
2	>	HAS CONCEPT MOD	CODE	EV (121058, DCM, "Procedure reported")	1	U		BCID 3670 "ECG Procedure Type"
3	>	HAS CONCEPT MOD	INCLUDE	DTID 1204 "Language of Content Item and Descendants"	1	M		
4	>	<b><u>CONTAINSHAS OBS CONTEXT</u></b>	INCLUDE	DTID 1002 "Observer Context"	1-n	M		
5	>	CONTAINS	CONTAINER	EV (18785-6, LN, "Indications for Procedure")	1	U		
...								