

DICOM Correction Proposal Form

Tracking Information - Administration Use Only	
Correction Proposal Number	CP-274
STATUS	Assigned
Date of Last Update	11/1/2001
Person Assigned	Harry Solomon
Submitter Name	Harry Solomon
Submission date	6/14/2001

Correction Number	CP-274
Log Summary: Add definition for Template parameters	
Type of Modification	Name of Standard
Clarification	PS 3.16
<p>Rationale for Correction</p> <p>The current definition for Template specification makes it difficult to define a Template for structure only, rather than for content. The addition of Template parameters makes such definitions straightforward.</p> <p>This CP allows a Template included in another Template to have coded terms (Defined Terms or Enumerated Values) or Context Groups specified by parameter.</p> <p>This CP does not allow Value Types to be specified by parameter, since the Value Set Constraints field has different formats for different Value Types.</p>	
<p>Sections of documents affected</p> <p>PS 3.16 Section 6 and Annex A.</p>	
Correction Wording:	

Amend PS3.16 Section 6

6.1 Template Table field definition

...

[A Template that is included by another Template \(see Section 6.2.3\) may include parameters that are replaced by values defined in the invoking Template. Such parameters are indicated by a name beginning with the character "\\$". Parameters may be used to specify coded concepts or Context Groups in the Concept Name or Value Set Constraint fields of a Template.](#)

6.1.1

...

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. ~~The Value Set constraint field is not used.~~

If the included Template or any of its recursively included templates specifies a Concept Name or Value Set Constraint by parameter, the invoking Template may specify the value of the parameter by name in the Value Set Constraint field of the INCLUDE row. The parameter in the included Template shall be replaced by the specified parameter value.

The specification of a parameter value is valid for all subsidiary recursively included templates; it does not need to be explicitly respecified in templates intermediate between the specifying and the target templates. This implies a global namespace within the subsidiary tree of included templates; name conflicts are therefore possible between templates. If there is a conflict, the invoking Template may specify the TID of the specific target template when specifying the parameter.

Specification of a parameter value shall be of one of the following forms

\$parametername[TID] = EV or DT (CV, CSD, "CM")

\$parametername[TID] = BCID or DCID (CID) CNAME

where [TID] may be absent if there are no name conflicts.

The invoking template is not required to specify all parameters of included templates. If not specified, the value set (term or context group) for that parameter is unconstrained. The invoking template may explicitly specify an unconstrained value set by setting the parameter value to "No BCID".

Amend PS3.16 Annex A

TID Tx1320 Image or Spatial Coordinates

This Image or Spatial Coordinates Template provides a general structure for referencing an image, either as a whole, or with specific spatial coordinates, as a single included Template in the invoking Template.

Input Parameters:

\$Purpose

TID Tx1320 Image or Spatial Coordinates

	NL	Relation with Parent	Value Type	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			IMAGE	\$Purpose	1	MC	XOR Row 2	
2			SCOORD	\$Purpose	1	MC	XOR Row 1	
3	>	SELECTED FROM	IMAGE		1	M	XOR Row 4	
4	>	R-SELECTED FROM	IMAGE		1	M	XOR Row 3 IFF by-reference is permitted by SOP Class	

TID Tx1321 Waveform or Temporal Coordinates

This Waveform or Temporal Coordinates Template provides a general structure for referencing a waveform, either as a whole, or with specific temporal coordinates, as a single included Template in the invoking Template.

Input Parameters:

\$Purpose

TID Tx1321
Waveform or Temporal Coordinates

	NL	Relation with Parent	Value Type	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			WAVEFORM	\$Purpose	1	MC	XOR Row 2	
2			TCOORD	\$Purpose	1	MC	XOR Row 1	
3	>	SELECTED FROM	WAVEFORM		1	M	XOR Row 4	
4	>	R-SELECTED FROM	WAVEFORM		1	M	XOR Row 3 IFF by-reference is permitted by SOP Class	