

DICOM Correction Item

Correction Number	CP-897
Log Summary: Context group included twice	
Type of Modification	Name of Standard
Clarification	PS 3.16 2008
Rationale for Correction Context groups may include other context groups, recursively. This gives rise to the opportunity to include the same context group more than once, if subordinate included groups contain the same group. E.g. CID 4 includes CID 4030 and CID 4042, both of which include CID 4031 twice. For the purpose of maximizing re-use, it is desirable that inclusion be encouraged, but the standard should not be silent on the possibility that this may occur, therefore language is added to highlight this possibility.	
Sections of documents affected PS 3.16 7.2.1	
Correction Wording:	

Amend PS 3.16 7.2.1:

7.2.1 Include Context Group

The 'Include Context Group' macro is a concise mechanism for including (by-reference) all of the rows of a specified Context Group in the invoking Context Group, effectively substituting the specified Context Group for the row where the macro is invoked. If an 'Include Context Group' is specified, it shall be specified in the Concept Name column of a Context Group Table. Table 7.2.1-1 specifies the syntax of the 'Include Context Group' macro. **Inclusion may be nested, in that included Context Groups may themselves include other Context Groups. This gives rise to the possibility of circular inclusion and multiple inclusion, in which case the Context Group shall consist of the transitive closure of the set of all coded concepts within the included Context Groups.**

Note: For example, it is reasonable to have the following definitions for context groups:

- Context ID 1, includes Context IDs 2 and 3**
- Context ID 2, includes Context IDs 4 and 5**
- Context ID 3, includes Context IDs 5 and 6**
- Context ID 4 contains a, b, c**
- Context ID 5 contains e, f, g**
- Context ID 6 contains a, h, i**
- The contents of Context ID 1 will be a, b, c, e, f, g, h, i.**

For reference PS 3.16 CIDs 4, 4030, 4031, 4042:

CID 4 Anatomic Region

**Context ID 4
Anatomic Region**

Type: Extensible Version: 20071101

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
<i>INCLUDE CID 4030 CT and MR Anatomy Imaged</i>		
<i>NCLUDE CID 4040 Endoscopy Anatomic Regions</i>		
<i>NCLUDE CID 4042 XA/XRF Anatomy Imaged</i>		
SRT	T-32100	Atrium
...

...

CID 4030 CT and MR Anatomy Imaged

**Context ID 4030
CT and MR Anatomy Imaged**

Type: Extensible Version: 20071101

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
<i>INCLUDE CID 4031 Common Anatomic Regions</i>		
SRT	T-42500	Abdominal aorta
...

...

CID 4031 Common Anatomic Regions

**Context ID 4031
Common Anatomic Regions**

Type: Extensible Version: 20071101

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	T-D4000	Abdomen
...

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CID 4042 XA/XRF Anatomy Imaged

**Context ID 4042
XA/XRF Anatomy Imaged**

Type: Extensible Version: 20050822

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
<i>INCLUDE CID 3010 Cardiovascular Anatomic Locations</i>		
<i>INCLUDE CID 4031 Common Anatomic Regions</i>		