

DICOM Correction Proposal

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| STATUS | Final Text |
| Date of Last Update | 2015/01/06 |
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|---------------------------|--|
| Correction Number | CP-1417 |
| Log Summary: | Clarify use and declaration of private mapping resource |
| Name of Standard | PS3.3, PS3.6 2014c |
| Rationale for Correction: | <p>The current text of the DICOM standard does not specify how to use and how to declare a private mapping resource, e.g. in order to define private Templates for an SR document.</p> <p>This CP proposes to introduce a new DICOM attribute "Mapping Resource UID" and to explain more explicitly how to use a private mapping resource.</p> |
| Correction Wording: | |

Change PS 3.3 Section 8.4

8.4 Mapping Resource

The value of Mapping Resource (0008,0105) denotes the message/terminology Mapping Resource that specifies the Context Group that specifies the Value Set. The Defined Terms for the value of Mapping Resource (0008,0105) shall be:

Defined Terms:

DCMR DICOM Content Mapping Resource
SDM SNOMED DICOM Microglossary (Retired)

PS3.16 specifies the DICOM Content Mapping Resource (DCMR).

Note

Unless otherwise specified, the DCMR is the source of all Context Groups and Templates specified in this Standard.

Mapping Resources may be uniquely identified by Mapping Resource UID (0008,0118).

Private Mapping Resources (those not listed amongst the Defined Terms in this section), may be identified by the prefix "99".

Change comment in PS 3.3 Section 8.6

8.6 Context Identifier and Context UID

The value of Context Identifier (0008,010F) identifies the Context Group defined by Mapping Resource (0008,0105) from which the values of Code Value (0008,0100) and Code Meaning (0008,0104) were selected, or to which Code Value (0008,0100) and Code Meaning (0008,0104) have been added as a private Context Group extension (see Section 8.7). The Context Identifier Attribute uses VR CS, and for Context Groups defined in PS3.16 the value shall be the Context Group Identifier as a string of digits without leading zeros, and does not include the string "CID".

The value of Context UID (0008,0117) uniquely identifies the Context Group. See PS3.6.

Note

Privately defined Context Groups ~~are not~~ may be identified by Context Identifier and Mapping Resource.

Change PS 3.3 Section 8.8

8.8 Standard Attribute Sets for Code Sequence Attributes

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Table 8.8-1. Code Sequence Macro Attributes

| Attribute Name | Tag | Type | Attribute Description |
|-------------------------------------|-------------|------|--|
| <i>BASIC CODED ENTRY ATTRIBUTES</i> | | | |
| Code Value | (0008,0100) | 1 | See Section 8.1. |
| Coding Scheme Designator | (0008,0102) | 1 | See Section 8.2. |
| Coding Scheme Version | (0008,0103) | 1C | See Section 8.2. Required if the value of Coding Scheme Designator (0008,0102) is not sufficient to identify Code Value (0008,0100) unambiguously. May be present otherwise. |
| Code Meaning | (0008,0104) | 1 | See Section 8.3. |
| <i>ENHANCED ENCODING MODE</i> | | | |
| Context Identifier | (0008,010F) | 3 | See Section 8.6. |
| Context UID | (0008,0117) | 3 | See Section 8.6. |
| Mapping Resource | (0008,0105) | 1C | See Section 8.4. Required if Context Identifier (0008,010F) is |

| Attribute Name | Tag | Type | Attribute Description |
|-------------------------------------|--------------------|----------|--|
| | | | present. |
| <u>Mapping Resource UID</u> | (0008,0118) | 3 | <u>Uniquely identifies the Mapping Resource that defines the Context Group.</u> <u>Note</u> <u>The unique identifier for the DICOM Content Mapping Resource “DCMR” is defined in PS3.6.</u> |
| Context Group Version | (0008,0106) | 1C | See Section 8.5. Required if Context Identifier (0008,010F) is present. |
| Context Group Extension Flag | (0008,010B) | 3 | Indicates whether the Code Value/Coding Scheme/Code Meaning is selected from a private extension of the Context Group identified in Context Identifier (0008,010F). See Section 8.7. Enumerated Values: Y N |
| Context Group Local Version | (0008,0107) | 1C | See Section 8.7. Required if the value of Context Group Extension Flag (0008,010B) is "Y". |
| Context Group Extension Creator UID | (0008,010D) | 1C | Identifies the person or organization who created an extension to the Context Group. See Section 8.7. Required if the value of Context Group Extension Flag (0008,010B) is "Y". |

C.18.8 Container Macro

Table C.18.1-1 specifies the Attributes that convey a CONTAINER content item.

Table C.18.8-1. Container Macro Attributes

| Attribute Name | Tag | Type | Attribute Description |
|---------------------------------|--------------------|----------|---|
| Continuity of Content | (0040,A050) | 1 | This flag specifies for a CONTAINER whether or not its contained Content Items are logically linked in a continuous textual flow, or are separate items. Enumerated Values: SEPARATE CONTINUOUS See Section C.18.8.1.1 for further explanation. |
| Content Template Sequence | (0040,A504) | 1C | Template that describes the content of this Content Item and its subsidiary Content Items. Only a single Item shall be included in this sequence. Required if a template was used to define the content of this Item, and the template consists of a single CONTAINER with nested content, and it is the outermost invocation of a set of nested templates that start with the same CONTAINER (see Section C.18.8.1.2). |
| >Mapping Resource | (0008,0105) | 1 | Mapping Resource that defines the template. See Section 8.4. Defined Terms: DCMR DICOM Content Mapping Resource |
| >Mapping Resource UID | (0008,0118) | 3 | Uniquely identifies the Mapping Resource that defines the template. Note <u>The unique identifier for the DICOM Content Mapping Resource “DCMR” is defined in PS3.6.</u> |
| >Template Identifier | (0040,DB00) | 1 | Template identifier. |

| Tag | Name | Keyword | VR | VM | |
|--------------------|-----------------------------|---------------------------|-----------|----------|--|
| <u>(0008,0118)</u> | <u>Mapping Resource UID</u> | <u>MappingResourceUID</u> | <u>UI</u> | <u>1</u> | |

Change PS 3.6 Table A-1

| UID Value | UID Name | UID Type | Part |
|----------------------------|---------------------------------------|-------------------------|---------------|
| <u>1.2.840.10008.8.1.1</u> | <u>DICOM Content Mapping Resource</u> | <u>Mapping Resource</u> | <u>PS3.16</u> |