

DICOM Correction Proposal

STATUS	Letter Ballot
Date of Last Update	2024-03-21
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Correction Number	CP-2363
Log Summary: Add missing fields to Context Group definition	
Name of Standard	PS3.16
Rationale for Correction: CP 2181 introduced official keywords for all Context Groups, but did not update the Context Group definition in PS3.16 Section 7.1. <i>Editorial change:</i> Coding Scheme is defined in PS3.16 Section 3.1 and should therefore be written with capital initial letters.	
Correction Wording:	

Change PS3.16 Section 7.1

7.1 Context Group Table Field Definition

Context Groups are described using tables of the following form (optional columns are shown with italic column titles):

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Keyword: **<Context Group Keyword>**
FHIR Keyword: **dicom-cid-<#>-<Context Group Keyword>**
Type: **(Non-) Extensible**
Version: **<yyyymmdd> or Not versioned**
UID: **1.2.840.10008.6.1.uuuu**

Table CID <#>. <Context Group Name>

Coding Scheme Designator	<i>Coding Scheme Version</i>	Code Value	Code Meaning	<i><Reference Terminology> Equivalent Value</i>	Units
...
...

A row of a Context Group table specifies one coded concept. Each Context Group table is:

- named by a title **and**
- identified by a CID number **and**
- **identified by a** version.
- **identified by a Keyword**
- **identified by a FHIR Keyword**
- **assigned a UID (that is defined in PS3.6)**
- **linked to various resource files that contain representations of the Context Group (in FHIR JSON, FHIR XML and IHE SVS XML)**

The columns of the tables consist of:

- Coding Scheme Designator: the value of Coding Scheme Designator (0008,0102)
- Code Value: the value of Code Value (0008,0100) or Long Code Value (0008,0119) or URN Code Value (0008,0120)
- Coding Meaning: the value of Code Meaning (0008,0104)

In those cases where it is necessary, Coding Scheme Version (the value of Coding Scheme Version (0008,0103)) may also be specified. This column may be absent if Coding Scheme Version is not required for any of the coded concepts in the Context Group.

The value specified in the Code Meaning field is an acceptable value for the specified **eCode vValue**, but does not preclude the use of other synonymous text in the same or other language.

Note

1. Some **eCoding sSchemes** do not specify the equivalent of a Code Meaning.
2. Capitalization in the Code Meaning is generally not significant, except for abbreviations used in units of measurement prefixes (e.g., "ml" milliliter vs. "Ml" megaliter, or "pV" picovolt vs. "PV" petavolt).

If further description of the concept represented by the code is required in the DCMR (rather than referring to an external **eCoding sScheme**), it is included in a separate table.

Optional columns may provide an informative mapping from the coded concepts of the Context Group to a reference terminology specified in the column heading. Typical reference terminologies include SNOMED CT and UMLS.

An optional column may provide a normative baseline or defined set of units to use for numeric measurements using the concept, either as a single term (e.g., DT (ratio), UCUM, "ratio"), a list of such terms, or a reference to a Context Group (e.g., DCID 7277 "Units of Diffusion Rate Area Over Time").

A Context Group may alternatively be defined by narrative reference to an externally defined **eCoding sScheme**.

Note

See for instance [CID 82 "Measurement Unit"](#).

For reference PS3.16 Annex B

B DCMR Context Groups (Normative)

B.1 Context Groups

This Annex specifies the content of Context Groups required by DICOM IODs.

Note

[Section 7.1](#) of this Part defines the fields of Context Group tables.

CID 2 Anatomic Modifier

Resources: [HTML](#) | [FHIR JSON](#) | [FHIR XML](#) | [IHE SVS XML](#)

Keyword: [AnatomicModifier](#)

FHIR Keyword: [dicom-cid-2-AnatomicModifier](#)

Type: Extensible

Version: 20190118

UID: 1.2.840.10008.6.1.1

Table CID 2. Anatomic Modifier

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
...				

