

## DICOM Correction Item

Correction Number	CP-1060
Log Summary:	Clarify UCUM does not require version
Type of Modification	Name of Standard
Clarification	PS 3.16-2009
Rationale for Correction: There is confusion as to whether UCUM code sequences require Coding Scheme Version. The Context Group tables that use UCUM codes are inconsistent, sometimes including a Coding Scheme Version column and sometimes not. When specified in Templates in the Value Set Constraint using the construct "UNITS=...", it is never specified with Coding Scheme Version. Current text in PS3.16 Section 7.2.2 implies that Version is required, but PS3.3 Section 8.2 states it is required only "if necessary to resolve ambiguity in the Code Value (0008,0100) or Code Meaning (0008,0104)." While it is true that UCUM is not a fixed code value list, but a constructed code, and the rules for constructing and interpreting the code have evolved (slightly) in various UCUM versions, those changes do not affect the ability to unambiguously interpret the UCUM codes used in DICOM. The definitive resolution should take the lead of HL7 v3 (and v3-based CDA), with which DICOM usage should be harmonized. In v3, UCUM is mandated as the coding scheme for the PQ (Physical Quantity) data type unit attribute, which attribute in turn is specified as being encoded using the CS (Coded Simple Value) data type. CS <b>prohibits</b> the use of codeSystemVersion. This CP removes the implication that UCUM codes require Version.	
Sections of documents affected PS3.16 Section 7.2.2, Annex B	
Correction Wording:	

*Change PS 3.16 Section 7.2.2*

### 7.2.2 Units Of Measurement

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The specialization of the UCUM standard as it is used in DICOM involves the following rules:

- the Coding Scheme Designator is specified as "UCUM"
- the version of UCUM from which a code is constructed is **not required, as it is not needed to resolve ambiguity in the Code Value or Code Meaning; however, there is no restriction on the version being** specified in Coding Scheme Version

*Change PS 3.16 Annex B to remove the Coding Scheme Version column from the following Context Groups: 3082, 6046, 7456, 7460, 7461, 7462*

*Remove "1.4" from the Coding Scheme Version column of the UCUM entries in Annex E and F*