

## DICOM Correction Item

Correction Number	CP-280
Log Summary: Order of Sub-Items within a User Information Item	
Type of Modification	Name of Standard
Clarification	PS 3.8 2001
Rationale for Correction Part 8 places no requirement on the order of Sub-Items within the User Information Item contained in an A-ASSOCIATE-RQ or A-ASSOCIATE-AC PDU. Some implementations are known to not send Sub-Items ordered according to Item-type. At least one implementation has assumed that the Maximum-Length Sub-Item is always the first Sub-Item of the User Information Item and rejects any association not following this pattern. This proposal adds a note to Part 8 to clarify that the order of Sub-Items within a User Information Item is arbitrary but that some implementations are known to expect Sub-Items to be ordered according to Item-type.	
Sections of documents affected PS 3.8, 9.3.2.3, 9.3.3.3	
Correction Wording:	

**Item 1: Add the following lines to PS 3.8, 9.3.2.3 and 9.3.3.3**

### 9.3.2.3 User information item structure

The User Information Item shall be made of a sequence of mandatory fixed length fields followed by a variable field. Table 9-16 shows the sequence of the mandatory fields.

The variable field shall consist of one or more User-Data Sub-Items.

NOTE: The User-Data Sub-Items may be present in any order within the User-Information Item. No significance should be placed on the order of User-Data Sub-Items within the User Information Item. Sending applications should be aware that some older applications might expect Sub-Items to be encoded in ascending order of Item-type within the enclosing Item.

### 9.3.3.3 User information item structure

The User Information Item shall be made of a sequence of mandatory length fields followed by a variable field. Table 9-20 shows the sequence of the mandatory fields.

The variable field shall consist of one or more User-Data Sub-Items.

NOTE: The User-Data Sub-Items may be present in any order within the User-Information Item. No significance should be placed on the order of User-Data Sub-Items within the User Information Item. Sending applications should be aware that some older applications might expect Sub-Items to be encoded in ascending order of Item-type within the enclosing Item.