

## DICOM Correction Item

Correction Number		CP-49	
Log Summary: Add warning status for "attribute out of range"			
Type of Modification	Name of Standard		
Inconsistency	PS 3.4 - 1993, PS 3.7 - 1993		
Rationale for change			
<p>Although references are made to a WARNING status code that can be returned for attributes that are valid but out of range, no definition for this status code exists.</p> <p>In addition, the definitions of U/M and U/U usages in PS3.4 Section H.2.4 mix the return code labels (WARNING or FAILURE) with a value that only applies to a FAILURE response</p>			
Sections of document affected			
PS3.7 Section C.4, PS3.4 Section H.2.4			
Correction Wording:			

1. Add the following table to PS3.7 Section C.4.

### C.4.3 Attribute Value Out of Range

Status Field	Tag	VR	VM	Description of Field
Status	(0000,0900)	US	1	Confirmation status of the operation. The value of this required field shall be set to 0116H.
Modification List/Attribute List	(no tag)	—	—	Optionally contains the application specific Data Set to only encode the invalid Attribute Values conveyed in the Modification List of the N-SET -RQ or the Attribute List of the N-CREATE-RQ.

2. In PS3.4 Section H.2.4, change the following wording:

U/M     The SCU may provide a value for the Attribute.  
 If the SCP does not support the value specified by the SCU, it shall return either a FAILURE status or return a WARNING status ("Invalid Attribute value", code 0106H). In the case of WARNING status, the SCP will apply the default value as defined in the SCP Conformance Statement.

To:

U/M The SCU may provide a value for the Attribute.  
If the SCP does not support the value specified by the SCU, it shall return either a FAILURE status ("Invalid Attribute value", code 0106H) or return a WARNING status ("Attribute Value Out of Range", code 0116H) . In the case of WARNING status, the SCP will apply the default value as defined in the SCP Conformance Statement.

3. Also in PS3.4 Section H.2.4, change the following wording:

U/U The SCU may provide a value for the Attribute.  
If the SCP does not support the value specified by the SCU, but does support the Attribute, it shall return either a FAILURE status or return a WARNING status ("Invalid Attribute value", code 0106H). In the case of WARNING status, the SCP will apply the default value as defined in the SCP Conformance Statement.

If the SCP does not support the Attribute specified by the SCU, it shall return either a FAILURE status or return a WARNING status ("No such Attribute", code 0105H). In the case of WARNING status, the behavior of the SCP is defined in the SCP Conformance Statement.

To:

U/U The SCU may provide a value for the Attribute.  
If the SCP does not support the value specified by the SCU, but does support the Attribute, it shall return either a FAILURE status ("Invalid Attribute value", code 0106H) or return a WARNING status (Attribute Value Out of Range, code 0116H). In the case of WARNING status, the SCP will apply the default value as defined in the SCP Conformance Statement.

If the SCP does not support the Attribute specified by the SCU, it shall return either a FAILURE status ("No such Attribute", code 0105H) or return a WARNING status ("Attribute list error", code 0107H). In the case of WARNING status, the behavior of the SCP is defined in the SCP Conformance Statement.