

DICOM Correction Proposal Form

Tracking Information - Administrator Use Only	
Correction Proposal Number	CP-132
STATUS	Assigned
Date of Last Update	April 2, 1998
Person Assigned	Herman Oosterwijk

Log Summary: Type definition of duplicate attributes	
Submitter Name H. Oosterwijk/C. Yuzawa (Toshiba)	Submission date March 30, 1998
Type of Modification Clarification	
Name of Document PS 3.3	Version Number 1996
<p>Rationale for Correction</p> <p>There are two conflicting rules regarding attributes which are specified more than once in different modules as part of a single IOD. When the so-called "specialization", i.e. the repetition of a specific attribute is of a Type higher than the initial Type specification, the the second Type is expected to prevail. However, the Type definition (C1.2.3) states that when attributes are contained in more than one module the lowest Type should apply.</p> <p>This is a problem with the Modality attribute in the Secondary Capture IOD. The General Series module specifies Type 1, the SC Image module specifies Type 3. According to the rules specified in C.1.2.3, the Type Definition should be Type 1, obviously not the intent of this specialization.</p>	
<p>Sections of document affected:</p> <p>Section C.1.2.3</p>	

Suggested Wording of Correction

Modify section Definitions section 3 to add:

3.10 Specialization: When a Composite IOD contains multiple Modules, one of which is defined in the IOD to “Specialize” Attributes that are present in these Modules, including their Type and Description.

Note: The same Attribute may be present in multiple Modules in the same IOD but not specified to be “Specialized”.

Modify section 6.2:

6.2 Attributes

...

When multiple modules containing the same Attributes(s) are included in an IOD, the Attribute shall be encoded only once into a Data Element. If one of the modules is defined in the IOD to be a sSpecialization of the other (e.g. General Image and CT Image) the Attribute definition contained in the more sSpecialized module shall be used.

Modify section C.1.2.3:

Some Attributes may also be contained in more than one Module for the IOD. In that case, if one module is not a specialization of the other, the Type designation applicable for the Attribute of the specific IOD is the lowest Type value (e.g. if type 2 is specified in one Module and type 3 in another, then type 2 shall apply). Otherwise, the rule for specialization as defined in 6.2 shall apply.

Modify Annex C IOD definitions to indicate which Modules Specialize which other Modules