

### DICOM Correction Proposal Form

Correction Number		CP-264
Log Summary: Clarify matching requirements for Modality Worklist		
Type of Modification	Name of Standard	
Clarification	PS 3.4 2001	
<p>Rationale for Correction</p> <p>In the table K.6-1, Matching Type/Remarks column specifies the allowable matching type to be used when the particular attribute is used as a Matching Key in C-FIND request. These requirements are only specified for the attributes that are designated as Required Matching Key. In particular, it is required to use Sequence matching for the Scheduled Procedure Step Sequence (0040,0100).</p> <p>On the other hand, it is specified in Sections K.2.2.1.2 and K.2.2.2 that the Return Keys shall be retrieved with Universal matching (zero-length).</p> <p>Sequence Matching as defined in section C.2.2.2.6 in such a way that one can use either zero-length sequence OR zero-length item within the sequence to achieve effect of Universal matching.</p> <p>The case above is analogous to the case of string-type attribute where the Universal matching effect may be achieved by either using zero-length or specifying single '*' for Wildcard matching. Because Wildcard matching and Universal matching are explicitly separated, requirement in the table K.6-1 means that Modality (0008,0060) may be retrieved with single value used as a matching value, or with zero-length, BUT not with '*'.</p> <p>Recently, different interpretations treated the zero-length item option for Scheduled Procedure Step Sequence either as allowed OR as disallowed depending on whether it is considered equivalent of '*' or not.</p> <p>Most existing implementations may use zero-length sequence or zero-length item interchangeably for Universal matching, thus this Proposal clarifies such interpretation.</p>		
Sections of documents affected		
PS 3.5 6.2.2		
Correction Wording:		

Amend Annex K of PS 3.4:
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**K.2.2.1.2 Return Key Attributes**

The values of Return Key Attributes to be retrieved with the Worklist are specified with zero-length (universal matching) in the C-FIND request. SCPs shall support Return Key Attributes defined by a Worklist Information Model according to the Data Element Type (1, 1C, 2, 2C, 3) as defined in PS 3.5.

Every Matching Key Attribute shall also be considered as a Return Key Attribute. Therefore the C-FIND response shall contain in addition to the values of the requested Return Key Attributes the values of the requested Matching Key Attributes.

- Notes: 1 The Conformance Statement of the SCP lists the Return Key Attributes of Type 3, which are supported.
2. An SCU may choose to supply any subset of Return Key Attributes.
  3. An SCU can not expect to receive any Type 3 Return Key Attributes.
  - 4. Return Key attributes with VR of SQ may be specified either with zero-length or with the zero-length item in the sequence.**