

DICOM Correction Proposal

STATUS	Final Text
Date of Last Update	2020/01/16
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Correction Number	CP-1862
Log Summary: Necessity of returning the Specific Character Set (0008,0005) attribute in a QIDO-RS response	
Name of Standard	PS3.18 2019e
<p>Rationale For Correction:</p> <p>The Specific Character Set (0008,0005) attribute might be required to be included in the DIMSE C-FIND-RSP for matching responses, in order to decode certain values of the response which are encoded in a Specific Character Set other than the Default Character Repertoire.</p> <p>The need to include the said attribute, however, is not apparent in a QIDO-RS response body. Because the QIDO-RS response being a textual content, either in XML or JSON, shall be, by default encoded in UTF-8, as described in PS3.18 Section 6.1.1.8.1.3. Even if the textual encoding deviates from UTF-8, the used encoding shall be declared in the HTTP header field, as per the same section.</p> <p>It is clear that the said attribute is not necessary for encoding any returned attributes. Therefore the attribute should be removed from the default list of attributes prescribed for a QIDO-RS response to remedy this ambiguity.</p> <p>For regular, DICOM-defined, attributes, Specific Character Set does not appear to be needed; the sender should be able to convert to the desired character set specified in the HTTP char set headers (or UTF-8).</p> <p>For private tags, the sender either:</p> <ul style="list-style-type: none"> • Knows the VR, and if it is a string, should follow the rules for declaring the character set, thus, the sender should be able to convert to the desired character set specified in the HTTP char set headers (or UTF-8), or • Does not know the VR, and the attribute should be sent as Unknown VR and unchanged. 	
Correction Wording:	

Item #1: Update Table 10.6.3-3. Study Resource Search Response Payload

Table 10.6.3-3. Study Resource Search Response Payload

Attribute Name	Tag	Type	Condition
Specific Character Set	(0008,0005)	C	Shall be present if known
Study Date	(0008,0020)	R	
...			

Item #2: Update Table 10.6.3-4. Series Resources Search Response Payload

Table 10.6.3-4. Series Resources Search Response Payload

Attribute Name	Tag	Type	Condition
Specific Character Set	(0008,0005)	C	Shall be present if known
Modality	(0008,0060)	R	
...			

Item #3: Update Table 10.6.3-5. Instance Resources Search Response Payload

Table 10.6.3-5. Instance Resources Search Response Payload

Attribute Name	Tag	Type	Condition
Specific Character Set	(0008,0005)	C	Shall be present if known
SOP Class UID	(0008,0016)	R	
...			