DICOM Correction Proposal Form

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| Tracking Information - Administration Use Only | |
| Correction Proposal Number | CP-nnn |
| STATUS | Proposed |
| Date of Last Update | 19-Jan-2023 |
| Person Assigned |  |
| Submitter Name | [rjhorniii@gmail.com](mailto:rjhorniii@gmail.com) |
| Submission date | 19-Jan-2023 |

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| --- | --- |
| Correction Number CP- | |
| Log Summary: Add FHIR to the list of coded terminologies | |
| Type of Modification  Addition | Name of Standard  PS 3 2023 |
| Rationale for Correction:  DICOM will be referencing coded terminology defined by FHIR. At present DICOM has only HL7v3 defined as a source of coded terminology from HL7. FHIR needs to be added. FHIR is also defining new terminology. The OID references used by HL7v3 will be extended to include OID references from FHIR. See <https://build.fhir.org/terminologies-systems.html#external> for the current list of FHIR OIDs. This list does not include all of the HL7v3 code systems. FHIR terminologies related to patient’s sex and gender are being added. (Details are still in ballot, so those terminologies are not yet available.)  For example, if the proposed FHIR administrative gender code system is approved, an administrative gender code might be encoded as (male, AdministrativeGender, “Male”). In the Coding Scheme Identification Sequence (0008,0110) there will be an item with the Coding Scheme Designator (0008,0102) of “Administrative Gender” and the Coding Scheme UID (0008,010C) of “2.16.840.1.113883.4.642.4.x.y.z”  Also add DICOM Tag values to Table 8-2.  The specific code systems and codes will be specified as part of Supplement 233 for Sex and Gender model. They are still proposed and in ballot at this time. They should be approved by the time Supplement 233 is ready for Public Comment.  **Question:** Do we need to add FHIR separate from HL7? The current indices for code systems appears to be separate for FHIR and HL7v3. Is this just something for a note, something that can be covered with document URLs in the description? This affects whether FHIR needs to be added to the defined terms for Coding System Registry (0008,0112). | |
| Sections of documents affected  PS3.16 Section 8, PS3.3 | |
| Correction Wording: | |

Modify Table C.12-1. SOP Common Module Attributes

Table C.12-1. SOP Common Module Attributes

|  |  |  |  |
| --- | --- | --- | --- |
| Attribute Name | Tag | Type | Attribute Description |
| >Coding Scheme Registry | (0008,0112) | 1C | The name of the external registry where further definition of the identified coding scheme may be obtained. Required if coding scheme is registered.  Defined Terms:  HL7  **FHIR** |
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Add a note to Section 8

8. FHIR terminology uses the same OID system as HL7v3. In the HL7 OID system, the DICOM Coding Scheme Designator (0008,0102) matches the Computable Name used in HL7v3 and FHIR; the Coding Scheme UID (0008,010C) is the same as the HL7 OID; and the description may be the documentation URL from FHIR.

*Modify Table 8-2. HL7v3 Coding Schemes*

Table 8-2. HL7v3 and FHIR Coding Schemes

|  |  |  |
| --- | --- | --- |
| Coding Scheme Designator **(0008,0102)** | Coding Scheme UID **(0008,010C)** | Description |
| … | … | … |