

# DICOM Correction Proposal

STATUS	Letter Ballot
Date of Last Update	2018/11/11
Person Assigned	Kevin O'Donnell
Submitter Name	Kevin O'Donnell
Submission Date	2018/06/04

Correction Number	CP-1837
Log Summary: Add Reason for Visit	
Name of Standard PS3.3, PS3.6	
<p>Rationale for Correction:</p> <p>For Encounter-Based Images, it can be useful to know the reason for the patient visit to the care provider. This CP adds new text and coded attributes for Reason(s) for Visit and adds them to the Visit Identification Module and other similar modules.</p> <p>This mirrors attributes such as Reason for Requested Procedure.</p> <p>Added Reason for Visit to the following Modules since they contain Admission ID and also describe the visit</p> <ul style="list-style-type: none"> <li>• Table C.7-4a. Patient Study Module</li> <li>• Table C.4-12. Imaging Service Request Module</li> <li>• Table C.30.4-1. Unified Procedure Step Relationship Module</li> </ul> <p>Did not add Reason for Visit to the following Tables since they include Admission ID as link/pointer but don't replicate lots of visit characteristics</p> <ul style="list-style-type: none"> <li>• Table C.4-13. Performed Procedure Step Relationship Module</li> <li>• Table C.26-4. Substance Administration Log Module</li> </ul>	
Correction Wording:	

*Modify PS3.3 C.3.2 as shown:*

## C.3.2 Visit Identification Module

Table C.3-2 defines the Attributes relevant to identifying a visit.

**Table C.3-2. Visit Identification Module Attributes**

Attribute Name	Tag	Attribute Description
Institution Name	(0008,0080)	Institution where the equipment is located
Institution Address	(0008,0081)	Mailing Address of the institution where the equipment is located
Institution Code Sequence	(0008,0082)	A sequence that conveys the healthcare facility identification. Only a single Item shall be included in this Sequence.

Attribute Name	Tag	Attribute Description
>Include Table 8.8-1 "Code Sequence Macro Attributes"		No Baseline CID is defined.
Admission ID	(0038,0010)	Identification number of the visit as assigned by the healthcare provider. <b>Note: <u>Visit and Admission are used interchangeably here. In the broader sense, an admission is a type of visit at an institution where there is an admission process for patients.</u></b>
Issuer of Admission ID Sequence	(0038,0014)	Identifier of the Assigning Authority that issued the Admission ID.  Only a single Item shall be included in this Sequence.
>Include Table 10-17 "HL7v2 Hierarchic Designator Macro Attributes"		
<b><u>Reason for Visit</u></b>	<b><u>(xxxx,yyy1)</u></b>	<b><u>Reason(s) for this visit by the patient to the facility or provider.</u></b>
<b><u>Reason for Visit Code Sequence</u></b>	<b><u>(xxxx,yyy2)</u></b>	<b><u>Coded reason(s) for this visit by the patient to the facility or provider.</u></b> <b>Note: <u>If an HL7 message is available with a PV2 segment corresponding to this visit, potential codes may be found in Admit Reason PV2-3.</u></b>  <b><u>One or more Items are permitted in this Sequence.</u></b>
>Include Table 8.8-1 "Code Sequence Macro Attributes"		
Service Episode ID	(0038,0060)	Identifier of the Service Episode as assigned by the healthcare provider
Issuer of Service Episode ID Sequence	(0038,0064)	Identifier of the Assigning Authority that issued the Service Episode ID.  Only a single Item shall be included in this Sequence.
>Include Table 10-17 "HL7v2 Hierarchic Designator Macro Attributes"		
Service Episode Description	(0038,0062)	Description of the type of service episode.

Modify PS3.3 C.7.2.2 as shown:

## C.7.2.2 Patient Study Module

Table C.7-4a defines Attributes that provide information about the Patient at the time the Study started.

### Note

In the case of imaging a group of small animals simultaneously, the Attributes in this Module can only have values that apply to the entire group, otherwise they are absent (e.g., Patient's Weight (0010,1030)) or empty (e.g., Patient's Sex Neutered (0010,2203)).

**Table C.7-4a. Patient Study Module Attributes**

Attribute Name	Tag	Type	Attribute Description
Admitting Diagnoses Description	(0008,1080)	3	Description of the admitting diagnosis (diagnoses)
Admitting Diagnoses Code Sequence	(0008,1084)	3	A sequence that conveys the admitting diagnosis (diagnoses). One or more Items are permitted in this Sequence.
>Include Table 8.8-1 "Code Sequence Macro Attributes"			No Baseline CID is defined.
Patient's Age	(0010,1010)	3	Age of the Patient.
...			
Additional Patient History	(0010,21B0)	3	Additional information about the Patient's medical history.
Admission ID	(0038,0010)	3	Identifier of the visit as assigned by the healthcare provider <b>Note: <u>Visit and Admission are used interchangeably here. In the broader sense, an admission is a type of visit at an institution where there is an admission process for patients.</u></b>
Issuer of Admission ID Sequence	(0038,0014)	3	Identifier of the Assigning Authority that issued Admission ID (0038,0010). Only a single Item is permitted in this Sequence.
>Include Table 10-17 "HL7v2 Hierarchic Designator Macro Attributes"			
<b><u>Reason for Visit</u></b>	<b><u>(xxxx,yyy1)</u></b>	<b>3</b>	<b><u>Reason(s) for this visit by the patient to the facility or provider.</u></b>
<b><u>Reason for Visit Code Sequence</u></b>	<b><u>(xxxx,yyy2)</u></b>	<b>3</b>	<b><u>Coded reason(s) for this visit by the patient to the facility or provider.</u></b> <b>Note: <u>If an HL7 message is available with a PV2 segment corresponding to this visit, potential codes may be found in Admit Reason PV2-3.</u></b> <b><u>One or more Items are permitted in this Sequence.</u></b>
>Include Table 8.8-1 "Code Sequence Macro Attributes"			
Service Episode ID	(0038,0060)	3	Identifier of the Service Episode as assigned by the healthcare provider
Issuer of Service Episode ID Sequence	(0038,0064)	3	Identifier of the Assigning Authority that issued the Service Episode ID (0038,0060). Only a single Item is permitted in this Sequence.
>Include Table 10-17 "HL7v2 Hierarchic Designator Macro Attributes"			
Service Episode Description	(0038,0062)	3	Description of the type of service episode.
Patient's Sex Neutered	(0010,2203)	2C	Whether or not a procedure has been performed in an effort to render the patient sterile.

Attribute Name	Tag	Type	Attribute Description
			<p>Enumerated Values:  <b>ALTERED</b> Altered/Neutered  <b>UNALTERED</b> Unaltered/intact</p> <p>Note</p> <p>If this Attribute is present but has no value then the status is unknown.</p> <p>Required if patient is an animal. May be present otherwise.</p>

Modify PS3.3 C.4.12 as shown:

### C.4.12 Imaging Service Request Module

**Table C.4-12. Imaging Service Request Module Attributes**

Attribute Name	Tag	Attribute Description
Imaging Service Request Comments	(0040,2400)	<p>User-defined comments on the Imaging Service Request.</p> <p>Note</p> <p>The Comments attribute is intended to transmit non-structured information, which can be displayed to the operator of the equipment (e.g., Modality).</p>
Requesting Physician	(0032,1032)	Name of the physician who requested the Imaging Service Request.
Requesting Physician Identification Sequence	(0032,1031)	<p>Identification of the physician who requested the Imaging Service Request.</p> <p>Only a single Item shall be included in this Sequence.</p>
>Include Table 10-1 "Person Identification Macro Attributes Description"		<p>Note</p> <p><i>The Person's Telecom Information (0040,1104) attribute in this Sequence may be treated as equivalent to HL7v2 field ROL-12 associated with the requesting physician identified in ORC-12 or OBR-16.</i></p>
Referring Physician's Name	(0008,0090)	Name of the patient's referring physician for this Imaging Service Request.
Referring Physician Identification Sequence	(0008,0096)	<p>Identification of the patient's referring physician.</p> <p>Only a single Item shall be included in this Sequence.</p>
>Include Table 10-1 "Person Identification Macro Attributes Description"		<p>Note</p> <p><i>The Person's Telecom Information (0040,1104) attribute in this Sequence may be treated as equivalent to HL7v2 field ROL-12 associated with the referring physician identified in PV1-8.</i></p>
Requesting Service	(0032,1033)	Institutional department, unit or service where the request initiated.

Attribute Name	Tag	Attribute Description
		See Note 3.
Requesting Service Code Sequence	(0032,1034)	<p>Institutional department, unit or service where the request initiated. Equivalent to HL7 v2.x ORC-17.</p> <p>See Note 3.</p> <p>Only a single Item shall be included in this Sequence.</p>
<i>&gt;Include Table 8.8-1 "Code Sequence Macro Attributes"</i>		<i>Defined CID 7030 "Institutional Departments, Units and Services"</i>
Accession Number	(0008,0050)	A departmental IS generated number that identifies the order for the Imaging Service Request.
Issuer of Accession Number Sequence	(0008,0051)	<p>Identifier of the Assigning Authority that issued the Accession Number.</p> <p>Only a single Item shall be included in this Sequence.</p>
<i>&gt;Include Table 10-17 "HL7v2 Hierarchic Designator Macro Attributes"</i>		
Issue Date of Imaging Service Request	(0040,2004)	Date on which the Imaging Service Request was issued by the requester.
Issue Time of Imaging Service Request	(0040,2005)	Time at which the Imaging Service Request was issued by the requester.
Placer Order Number / Imaging Service Request	(0040,2016)	The order number assigned to the Imaging Service Request by the party placing the order.
Order Placer Identifier Sequence	(0040,0026)	<p>Identifier of the Assigning Authority that issued the Placer Order Number.</p> <p>Only a single Item shall be included in this Sequence.</p>
<i>&gt;Include Table 10-17 "HL7v2 Hierarchic Designator Macro Attributes"</i>		
Filler Order Number / Imaging Service Request	(0040,2017)	The order number assigned to the Imaging Service Request by the party filling the order.
Order Filler Identifier Sequence	(0040,0027)	<p>Identifier of the Assigning Authority that issued the Filler Order Number.</p> <p>Only a single Item shall be included in this Sequence.</p>
<i>&gt;Include Table 10-17 "HL7v2 Hierarchic Designator Macro Attributes"</i>		
Order entered by ...	(0040,2008)	<p>The person who entered the Imaging Service Request into an Information System.</p> <p>Note</p> <p>This attribute may be treated as equivalent to HL7v2 field ORC-10.</p>
Order Enterer's Location	(0040,2009)	The location at which the Imaging Service Request was entered.

Attribute Name	Tag	Attribute Description
		<p>Note</p> <p>This attribute may be treated as equivalent to HL7v2 field ORC-13.</p>
Order Callback Phone Number	(0040,2010)	Telephone Number at which additional information can be retrieved.
Order Callback Telecom Information	(0040,2011)	<p>The telecommunication contact information, including telephone, email, or other telecom addresses, at which additional information about the order can be retrieved.</p> <p>Note</p> <ol style="list-style-type: none"> <li>1. This attribute may have internal format or structure in accordance with local agreement or profile.</li> <li>2. It is recommended that this attribute be treated as equivalent to HL7v2 fields ORC-12 and OBR-17, and be formatted in accordance with the HL7v2 XTN data type (without escapes for HL7 message structure reserved characters).</li> </ol>
Admission ID	(0038,0010)	<p>Identification number of the visit as assigned by the healthcare provider.</p> <p><b>Note: <u>Visit and Admission are used interchangeably here. In the broader sense, an admission is a type of visit at an institution where there is an admission process for patients.</u></b></p>
Issuer of Admission ID Sequence	(0038,0014)	<p>Identifier of the Assigning Authority that issued the Admission ID.</p> <p>Only a single Item shall be included in this Sequence.</p>
<i>&gt;Include Table 10-17 "HL7v2 Hierarchic Designator Macro Attributes"</i>		
<b><u>Reason for Visit</u></b>	<b><u>(xxxx,yyy1)</u></b>	<b><u>Reason(s) for this visit by the patient to the facility or provider.</u></b>
<b><u>Reason for Visit Code Sequence</u></b>	<b><u>(xxxx,yyy2)</u></b>	<p><b><u>Coded reason(s) for this visit by the patient to the facility or provider.</u></b></p> <p><b>Note: <u>If an HL7 message is available with a PV2 segment corresponding to this visit, potential codes may be found in Admit Reason PV2-3.</u></b></p> <p><b><u>One or more Items are permitted in this Sequence.</u></b></p>
<b><u>&gt;Include Table 8.8-1 "Code Sequence Macro Attributes"</u></b>		

Note

1. Attributes (0040,2016) and (0040,2017) Placer Order Number and Filler Order Number/Imaging Service Request are intended to convey the corresponding order numbers as defined in HL7, in the case where interoperability with an HL7 environment is the objective.
2. Attributes (0040,2001), (0040,2006) and (0040,2007) were previously defined in DICOM. They are now retired (see PS3.3-1998).

3. Both Requesting Service (0032,1033) and Requesting Service Code Sequence (0032,1034) are defined in this table; the latter is preferred, but the former may be copied from an HL7 message whether or not there is also the ability to map it to a coded form (e.g., with only ORC-17 component 1 valued).

Modify PS3.3 C.30.4 as shown:

### C.30.4 Unified Procedure Step Relationship Module

Table C.30.4-1 specifies the Attributes that describe the relationship of a Unified Procedure Step (UPS).

**Table C.30.4-1. Unified Procedure Step Relationship Module Attributes**

Attribute Name	Tag	Attribute Description
Patient's Name	(0010,0010)	Patient's full legal name.
Patient ID	(0010,0020)	Primary identifier for the patient.  Note  In the case of imaging a group of small animals simultaneously, the single value of this identifier corresponds to the identification of the entire group. See also Section C.7.1.4.1.1.  See Section C.30.4.1
<i>Include Table 10-18 "Issuer of Patient ID Macro Attributes"</i>		
Other Patient IDs Sequence	(0010,1002)	Identification numbers or codes used to identify the patient, which may or may not be human readable, and may or may not have been obtained from an implanted or attached device such as an RFID or barcode.  Zero or more Items shall be included in this Sequence.
>Patient ID	(0010,0020)	An identifier for the patient.
<i>&gt;Include Table 10-18 "Issuer of Patient ID Macro Attributes"</i>		
Patient's Birth Date in Alternative Calendar	(0010,0033)	Date of birth of the named patient in the Alternative Calendar (0010,0035).  Note  No format is specified for alternative calendar dates so none should be assumed.
Patient's Death Date in Alternative Calendar	(0010,0034)	Date of death of the named patient in the Alternative Calendar (0010,0035).  Note  No format is specified for alternative calendar dates so none should be assumed.
Patient's Alternative Calendar	(0010,0035)	The Alternative Calendar used for Patient's Birth Date in Alternative Calendar (0010,0033) and Patient's Death Date in Alternative Calendar (0010,0034).  See Section C.7.1.5 for Defined Terms.  Required if either Patient's Birth Date in Alternative Calendar

Attribute Name	Tag	Attribute Description
		(0010,0033) or Patient's Alternative Death Date in Calendar (0010,0034) is present.
Patient's Birth Date	(0010,0030)	Date of birth of the named patient.
Patient's Sex	(0010,0040)	Sex of the named Patient. Enumerated Values: <b>M</b> male <b>F</b> female <b>O</b> other
Referenced Patient Photo Sequence	(0010,1100)	A photo to confirm the identity of a patient.  Only a single Item is permitted in this Sequence.  See C.2.2.1.1.
<i>&gt;Include Table 10-3b "Referenced Instances and Access Macro Attributes"</i>		
Admission ID	(0038,0010)	Identification number of the visit as assigned by the healthcare provider. <b>Note: Visit and Admission are used interchangeably here. In the broader sense, an admission is a type of visit at an institution where there is an admission process for patients.</b>
Issuer of Admission ID Sequence	(0038,0014)	Identifier of the Assigning Authority that issued the Admission ID.  Only a single Item shall be included in this Sequence.
<i>&gt;Include Table 10-17 "HL7v2 Hierarchic Designator Macro Attributes"</i>		
Admitting Diagnoses Description	(0008,1080)	Description of admitting diagnosis (diagnoses) for the patient.
Admitting Diagnoses Code Sequence	(0008,1084)	Coded admitting diagnosis (diagnoses) for the patient.  One or more Items shall be included in this Sequence.
<i>&gt;Include Table 8.8-1 "Code Sequence Macro Attributes"</i>		
		<i>No Baseline CID is defined.</i>
<b><u>Reason for Visit</u></b>	<b><u>(xxxx,yyy1)</u></b>	<b><u>Reason(s) for this visit by the patient to the facility or provider.</u></b>
<b><u>Reason for Visit Code Sequence</u></b>	<b><u>(xxxx,yyy2)</u></b>	<b><u>Coded reason(s) for this visit by the patient to the facility or provider.</u></b> <b>Note: If an HL7 message is available with a PV2 segment corresponding to this visit, potential codes may be found in Admit Reason PV2-3.</b>  <b><u>One or more Items are permitted in this Sequence.</u></b>
<i>&gt;Include Table 8.8-1 "Code Sequence Macro Attributes"</i>		
Referenced Request Sequence	(0040,A370)	Requested Procedures to which the Procedure Step



Attribute Name	Tag	Attribute Description
		contributes. Zero or more Items shall be included in the sequence.
>Study Instance UID	(0020,000D)	Unique identifier for the Study.
>Accession Number	(0008,0050)	An identifier of the order for the Study.
>Issuer of Accession Number Sequence	(0008,0051)	Identifier of the Assigning Authority that issued the Accession Number. Only a single Item shall be included in this Sequence.
>>Include Table 10-17 "HL7v2 Hierarchic Designator Macro Attributes"		
>Requested Procedure Code Sequence	(0032,1064)	Procedure Type of the Requested Procedure. Zero or one Item shall be included in this Sequence.
>>Include Table 8.8-1 "Code Sequence Macro Attributes"		No Baseline CID is defined.
>Placer Order Number / Imaging Service Request	(0040,2016)	The order number assigned to the Service Request by the party placing the order.
>Order Placer Identifier Sequence	(0040,0026)	Identifier of the Assigning Authority that issued the Placer Order Number. Only a single Item shall be included in this Sequence.
>>Include Table 10-17 "HL7v2 Hierarchic Designator Macro Attributes"		
>Filler Order Number / Imaging Service Request	(0040,2017)	The order number assigned to the Service Request by the party filling the order.
>Order Filler Identifier Sequence	(0040,0027)	Identifier of the Assigning Authority that issued the Filler Order Number. Only a single Item shall be included in this Sequence.
>>Include Table 10-17 "HL7v2 Hierarchic Designator Macro Attributes"		
>Requested Procedure ID	(0040,1001)	Identifier of the related Requested Procedure.
>Requested Procedure Description	(0032,1060)	Institution-generated description or classification of the Requested Procedure.
>Reason for the Requested Procedure	(0040,1002)	Reason for requesting this procedure.
> Reason for Requested Procedure Code Sequence	(0040,100A)	Coded reason for requesting this procedure. Zero or more Items shall be included in the sequence.
>>Include Table 8.8-1 "Code Sequence Macro Attributes"		No Baseline CID is defined.
>Requested Procedure Comments	(0040,1400)	User-defined comments on the Requested Procedure.
>Confidentiality Code	(0040,1008)	Confidentiality Constraints on the Requested Procedure by

Attribute Name	Tag	Attribute Description
		the party filling the order.
>Names of Intended Recipients of Results	(0040,1010)	Names of the physicians, who are intended recipients of results.
>Imaging Service Request Comments	(0040,2400)	User-defined comments on the Service Request.
>Requesting Physician	(0032,1032)	Physician who requested the Service Request.
>Requesting Service	(0032,1033)	Institutional department, unit or service where the request initiated.
>Requesting Service Code Sequence	(0032,1034)	Institutional department, unit or service where the request initiated. Equivalent to HL7 v2.x ORC-17.  See Note 1.  Only a single Item shall be included in this Sequence.
>Issue Date of Imaging Service Request	(0040,2004)	Date on which the Service Request was issued by the requester.
>Issue Time of Imaging Service Request	(0040,2005)	Time at which the Service Request was issued by the requester.
>Referring Physician's Name	(0008,0090)	The physician who referred the Patient to the physician or service issuing the Service Request.  Note  This is generally the recipient of any report generated by the Service Request.
Replaced Procedure Step Sequence	(0074,1224)	Canceled procedure step(s) that are replaced by this procedure step.  Zero or more Items shall be included in the sequence.
>Include Table 10-11 "SOP Instance Reference Macro Attributes"		

Note

- Both Requesting Service (0032,1033) and Requesting Service Code Sequence (0032,1034) are defined in this table; the latter is preferred, but the former may be copied from an HL7 message whether or not there is also the ability to map it to a coded form (e.g., with only ORC-17 component 1 valued).

Add tag to PS3.6 Table 6-1

Tag	Name	Keyword	VR	VM	
(xxxx,yyy1)	Reason for Visit	ReasonForVisit	UT	1	
(xxxx,yyy2)	Reason for Visit Code Sequence	ReasonForVisitCodeSequence	SQ	1	