

DICOM Correction Proposal

STATUS	Assigned
Date of Last Update	2015/11/05
Person Assigned	Kevin O'Donnell
Submitter Name	Kevin O'Donnell
Submission Date	2015/10/22

Correction Number	CP-1556
Log Summary: Add Scheduled Workitem Code Sets for Reading	
Name of Standard <specify year, i.e., PS 3 2003, and/or number of the supplement number in FT, i.e., Sup 53>	
<p>Rationale for Correction:</p> <p>IHE has applied UPS to reading worklists. Queries and filtered subscriptions work best if a couple of elements of the task are post-coordinated (e.g. Find all CT reads, or find all neuro reads, or find all reads that are PET and Cardiac.)</p> <p>IHE RRR-WF profiles the use of the main workitem code to specify a read task. It would be useful to do a first cut culling of available workitems in the C-FIND. If needed, the procedure code of the study to be reported can be included as a return key for more fine grain selection on the client.</p> <p>A large list of pre-coordinated codes would require many subscriptions since we don't have a good C-FIND syntax for ORs on matches against a single attribute.</p> <p>Rather than add a Workitem Modifier attribute, this CP adds codesets which can be included in the Scheduled Workitem Code or in the Scheduled Processing Parameters Sequence to identify the read Modality and the Specialty. As long as deployments use one set in the Scheduled Workitem Code and include the other in the Scheduled Processing Parameters Sequence (which is profiled in IHE), it will be possible to get one layer of AND. It will be important for implementations to support C-FIND filtering on content sequences (such as the Parameters Sequence) in addition to filtering on code sequences.</p> <p>Goal – same approach and codesets between this and XDW. Ask Chris and co how they are addressing this TODO</p>	
Correction Wording:	

Modify Table C.30.2-1 to include a TID for parameters as shown

**Table C.30.2-1. Unified Procedure Step Scheduled Procedure Information
Module Attributes**

Attribute Name	Tag	Attribute Description
...		

Attribute Name	Tag	Attribute Description
Scheduled Workitem Code Sequence	(0040,4018)	Coded description of the Procedure Step. Only a single Item shall be included in this Sequence.
>Include Table 8.8-1 “Code Sequence Macro Attributes”		Baseline CID is CID 9231 “Workitem Definition” . Note This CID has generic workitems. An implementation may choose to define more specific, detailed workitems.
Scheduled Processing Parameters Sequence	(0074,1210)	Processing parameters to be used by the performing system when carrying out the Procedure Step. Zero or more Items shall be included in this Sequence.
>Include Table 10-2 “Content Item Macro Attributes Description”		Baseline TID XXXA Radiology Reading Task Parameters No Baseline CIDs are defined for Concept Name Code Sequence or Concept Code Sequence.
>Content Item Modifier Sequence	(0040,0441)	Sequence that specifies modifiers for a Protocol Context Content Item. One or more Items are permitted in this Sequence.
>>Include Table 10-2 “Content Item Macro Attributes Description”		No Baseline CIDs are defined for Concept Name Code Sequence or Concept Code Sequence.
...		

Add TID to link the concepts and relevant codesets for Radiology Reading Task Parameters

TID XXXA Radiology Reading Task Parameters

This TID is used by the IHE Remote Radiology Reading Workflow (RRR-WF) Profile.

Note: Specialty to Read is nested inside Modality to Read in order to facilitate C-FIND matching against both Modality and Specialty.

Type: Extensible
Order: Non-Significant
Version: 20yyymmdd

Table TID XXXA. Radiology Reading Task Parameters

	NL	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1		CODE	EV (RRR004,DCM, "Modality to Read")	1	U		DCID 29 "Acquisition Modality"
2	>	CODE	EV (RRR005,DCM, "Specialty to Read")	1	U		DCID XXX2 "Specialty to Read"
3		CODE	EV (newcode000,DCM, "Report Requested")	1	U		DCID XXXX "Requested Report Types"

Add CIDs with codes for Specialty to Read

CID XXX2 Specialty to Read

This CID is used by the IHE Remote Radiology Reading Workflow (RRR-WF) Profile.

Type: Extensible

Version: 20yyymmdd

Table CID XXX2. Specialty to Read

Coding Scheme Designator	Code Value	Code Meaning
DCM	Newcode101	Abdominal
DCM	Newcode102	Cardiac
DCM	Newcode103	Head and Neck
DCM	Newcode104	Musculoskeletal
DCM	Newcode105	Neurology
DCM	Newcode106	Obstetrics/Gynecology
DCM	Newcode107	Oncology
DCM	Newcode108	Thoracic
DCM	Newcode109	Pediatric
DCM	Newcode110	Vascular

Add CID XXXX to add codes for use in the Scheduled Processing Parameters Sequence

CID XXXX Requested Report Types

This CID is used by the IHE Remote Radiology Reading Workflow (RRR-WF) Profile.

Type: Extensible

Version: 20140128yyymmdd

Table CID XXXX. Requested Report Types

Coding Scheme Designator	Code Value	Code Meaning
DCM	newcode001	Preliminary Report
DCM	newcode002	Final Report
DCM	newcode003	Preliminary Report and Final Report

Add Definitions to PS3.16 Annex D

Code Value	Code Meaning	Definition	Notes
<u>RRR001</u>	<u>Read Imaging Study</u>	<u>The task is to prepare a report for an imaging study.</u>	
<u>RRR004</u>	<u>Modality to Read</u>	<u>The imaging study to be read involves the specified modality</u>	
<u>RRR005</u>	<u>Specialty to Read</u>	<u>The imaging study to be read involves the specified imaging specialty</u>	
<u>newcode000</u>	<u>Report Requested</u>	<u>A report of the specified type is requested.</u>	
<u>newcode001</u>	<u>Preliminary Report</u>	<u>A preliminary report is requested. A final report is not requested.</u> <u>This is sometimes done when the performer is not expected to be authorized to produce a final report for the requesting facility.</u>	
<u>newcode002</u>	<u>Final Report</u>	<u>A final report is requested. A preliminary report is not requested.</u>	
<u>newcode003</u>	<u>Preliminary and Final Report</u>	<u>Both a preliminary report and a final report are requested.</u>	
<u>Newcode101</u>	<u>Abdominal</u>	<u>The task is to interpret an abdominal study.</u>	
<u>Newcode102</u>	<u>Cardiac</u>	<u>The task is to interpret a cardiac study.</u>	
<u>Newcode103</u>	<u>Head and Neck</u>	<u>The task is to interpret a head and neck study.</u>	
<u>Newcode104</u>	<u>Musculoskeletal</u>	<u>The task is to interpret a musculoskeletal study.</u>	
<u>Newcode105</u>	<u>Neurology</u>	<u>The task is to interpret a neurology study.</u>	
<u>Newcode106</u>	<u>Obstetrics/Gynecology</u>	<u>The task is to interpret an obstetrics or gynecological study.</u>	
<u>Newcode107</u>	<u>Oncology</u>	<u>The task is to interpret an oncology study.</u>	
<u>Newcode108</u>	<u>Thoracic</u>	<u>The task is to interpret a thoracic study.</u>	
<u>Newcode109</u>	<u>Pediatric</u>	<u>The task is to interpret a pediatric study.</u>	
<u>Newcode110</u>	<u>Vascular</u>	<u>The task is to interpret a vascular study.</u>	

Commented [OK1]: Add note in profile:
It is expected that a performer will understand that the point of the preliminary in this case is to be available earlier than the final and if that is not possible the performer will either generate a superfluous preliminary report or will set an item in the Performed Processing Parameters Sequence to "Final Report" and expect that the requester has the same understanding and acknowledges the UPS as being fulfilled properly although a different task was performed than requested.