

# Minutes

## 2023-01 DICOM WG-20/HL7 Imaging Integration Working Group Meeting

2023-01 WGM Imaging Integration Attendance

Henderson, NV

Monday-Thursday, January 16-19, 2023

Chairs: Jonathan Whitby

Secretary: Carolyn Hull

<b>Voting Members</b>		Tues 1/17/2 3 Q1	Tues 1/17/2 3 Q2	Tues 1/17/2 3 Q3	Wed 1/18/2 3 Q1	Wed 1/18/2 3 Q2	Wed 1/18/2 3 Q3	Thurs 1/19/2 3 Q1
Canon	Whitby, Jonathan	x			x		x	x
Canon	Gaulinauskas, Paulius	x			x		x	x
Epic	Liu, Alex				x	x	x	x
Epic	Vetter, Isaac						x	
Michigan Health	Win, Chit Zin				x			
Nuance	Ladd, Caty				x			
	Kamal				x			
Philips	Melo, Chris		x				x	
Philips	van den Heuvel, Bas	x			x			
Siemens Healthineers	Martin, Eric			x				
Vastra	Wintell, Mikael							
Yale School of Medicine	Angel, Irina	x						

Staff

MITA	Hull, Carolyn	x	x	x	x	x	x	x
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## Minutes

Day	Quarter	Event	Topics	Location
Monday 16 Jan 2023	Q1 9:00a m	No meeting		
	Q2 11:00 am			
	Q3 1:45p m			
	Q4 3:30p m	FHIR-I Hosting II Representat ives	Status of II Resources and IGs	Montel ago 2

<p>Tuesday 17 Jan 2023</p>	<p>Q1 9:00a m</p>	<p>II/WG-20</p>	<ul style="list-style-type: none"> <li>• Call to order, introductions, and welcome. Completed</li> <li>• Antitrust rules – These were read.</li> <li>• Review &amp; approval of the Agenda. Agenda was approved.</li> <li>• Minutes of the previous meeting</li> <li>• General Administration <ul style="list-style-type: none"> <li>○ <u>PBS Metrics (Jan 2023)- Our activities are on track</u>, only the dose report is in yellow status and we are working to resolve.</li> <li>○ <u>Workgroup Health Metrics (Jan 2023)</u> These metrics also show II is on track, only the dose report is in yellow status and we are working to resolve.</li> <li>○ Joint meeting agendas</li> <li>○ Other housekeeping topics</li> <li>○ <u>Project Review</u></li> </ul> </li> <li>• Connectathon <ul style="list-style-type: none"> <li>○ Review of Connectathon 32- Imaging track had three participants. Tested DICOM SR to FHIR mapping. One question is whether to aim for a May ballot or add FHIR mapping language to the IG AND test, then would need to look at a September ballot.</li> <li>○ Planning for Connectathon 33</li> </ul> </li> <li>• Overview of WG activities <ul style="list-style-type: none"> <li>○ ImagingStudy-There may be interest in pediatrics to implement. ONC did not include imaging in USCDI. US Core therefore does not support imaging study. USCDI+ may also be a possibility. ONC holds office hours.</li> <li>○ ImagingSelection</li> <li>○ IGs</li> </ul> </li> </ul>	<p>Village</p>
	<p>Q2 11:00 am</p>	<p>Infrastructure and Messaging Hosting II</p>	<ul style="list-style-type: none"> <li>• FHIRcast</li> </ul>	<p>Positano</p>

	Q3 1:45p m	II/WG-20	<ul style="list-style-type: none"> <li>• IG discussions <ul style="list-style-type: none"> <li>○ Dose reporting <ul style="list-style-type: none"> <li>▪ Next steps- we will reach out again to AAPM representatives to see if they have concerns.</li> </ul> </li> <li>○ DICOM SR to FHIR Observation <ul style="list-style-type: none"> <li>▪ May ballot- there is a possibility of balloting this during May but depends on availability of the author.</li> </ul> </li> </ul> </li> </ul>	Village
	Q4 3:30p m	EHR hosting AI discussion	<ul style="list-style-type: none"> <li>• AI- the group reviewed basic proposals for work on AI and discussed the proposal at a high level.</li> </ul>	Tuscan y

<p>Wednesday 18 Jan 2023</p>	<p>Q1 9:00a m</p>	<p>II/WG-20 hosting INM FHIRcast representatives</p>	<ul style="list-style-type: none"> <li>Review of FHIRcast imaging use cases- (see presentation)- Event registration- Solution 2 is most appealing. Solution 3- New event type - forward.</li> </ul> <p>Solution 2- new type for custom events.</p> <p>The group discussed concerns with the solutions.</p> <p>-Is this a relevant question/problem? A: Members say yes, would be nice to make a change to the FHIRcast.</p> <p>We need to require guardrails and rules for this as well.</p> <p><b>Action:</b> Alex Liu to consider guardrails and rules to put into place.</p> <p><b>Action:</b> Paul G. to define events a hub should not proxy.</p> <p>If customers ask to do one thing, here is how one would do this. Want to define a mechanism for the customer if they request.</p> <p>- Some weaknesses identified:</p> <p>Hub providing authorization for events unknown to it</p> <ul style="list-style-type: none"> <li>- Hub derived events would be more difficult (perhaps SHOULD decompose for at least a subject?)</li> <li>- If the payload is not a FHIR resource then the Hub has no chance to do an **</li> </ul>	<p>Siena</p>
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	<p>Q2 11:00 am</p>	<p>Orders and Observations hosting II</p>	<ul style="list-style-type: none"> <li>• DICOM SR to FHIR Observation IG- Carolyn Hull, Jonathan Whitby, and Bas* attended the O&amp;O meeting this quarter. Jonathan Whitby reviewed the SR to FHIR observation IG.</li> <li>• Imaging Service Request Profile IG. Also reviewed this PSS with them as O&amp;O is a cosponsor. O&amp;O would like periodic updates on the project. Timeline will likely be September or January for balloting.</li> </ul> <p><b>Action:</b> Fill in ballot items.</p> <p>Motion for OO to cosponsor this PSS with periodic updates (Lorraine Constable/Dan Rutz: 9-0-0). Passed.</p> <ul style="list-style-type: none"> <li>• Coordinates in FHIR- Proposing BodyStructure.includedStructure.spatialReference 0..* (reference(ImagingSelection), with an invariant that either includedStructure.bodylandmarkorientation or.includedStructure.spatialREference may be present. <ul style="list-style-type: none"> <li>• FHIR-40275</li> </ul> </li> </ul> <p>We created two Jira items making edits:</p> <p>FHIR-40272-changing imaging region for 2D and 3D.</p> <p>Adding in a JIRA item on our ImagingSelection for ImagingSelection.derivedFrom(reference(DocumentReference))- FHIR-40273</p> <p>We will meet again with O&amp;O in May in New Orleans.</p>	<p>Pavilion</p>
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	<p>Q3 1:45pm</p>	<p>II/WG-20</p>	<ul style="list-style-type: none"> <li>• IG discussions (cont) <ul style="list-style-type: none"> <li>○ Imaging Service Request Profile <ul style="list-style-type: none"> <li>▪ Output from O&amp;O discussion- supports current project scope and wants regular updates, are a cosponsor (See notes above).</li> <li>▪ Coordinates in specimens- specimen is going to have a link to ImagingSelection (see above). Can use IS coordinate mechanisms to associate two items. They will be updated specimen. Will do a profile for ImagingSelection for that purpose.</li> <li>▪ Jira FHIR-40272- Persuasive. (link to this)renaming to ImagingSelection2D and ImagingSelection3D. Motion: Paul G./Chris Melo: 5-0-0 Passes.</li> <li>▪ Jira FHIR-40273- Persuasive. Add DocumentReference as a valid. Paulius Galinauskas/Alex Liu: 5-0-0.</li> <li>▪ Jira FHIR-40276-Persuasive. Add search parameter to ImagingStudy. Add search parameter to ImagingSelection.  Chris Melo/Paul G.: 5-0-0.  FHIR-40280-Jonathan Whitby has also made a Jira item for the hyphenation discrepancy between ImagingStudy and ImagingSelection. Will update ImagingStudy also.  Chris Melo/Paulius G: 5-0-0.</li> <li>▪ Jira issue: FHIR-37684- Resolving.</li> <li>▪ Jira issue: FHIR-39614 SOP class. Currently not a DICOM controlled table with SOP</li> </ul> </li> </ul> </li> </ul>	<p>Pavilion</p>
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			<p>classes. Not a proper code triplet. Should there be a SOP class table?</p> <p>Response to this Jira item:</p> <p><b>Action:</b> Jonathan Whitby to draft a CP. Jira item not closed yet.</p> <ul style="list-style-type: none"> <li>○ Dose reporting <ul style="list-style-type: none"> <li>▪ Next steps</li> </ul> </li> <li>○ DICOM SR to FHIR Observation <ul style="list-style-type: none"> <li>▪ May ballot? Will likely need to do a Connectathon and also depends when C. Lindop returns. Also may do ServiceRequest testing at Connectathon. Ideally, EMR vendors would also participate.</li> </ul> </li> </ul>	
	Q4 3:30p m	Clinical Interoperability Council hosting II	<ul style="list-style-type: none"> <li>• All things Cancer Interoperability: Breast Imaging, ICHOM, MCODE-</li> </ul> <p><b>CodeX/CardX-</b> mCARD core foundational cardiovascular lexicon. Review of the project.</p> <p>Breast Radiology work has been put on hold due to company no longer supporting it.</p>	Salon 1



<p>Thursday 19 Jan 2023</p>	<p>Q1 9:00a m</p>	<p>II/WG-20</p>	<ul style="list-style-type: none"> <li>• IG discussions (cont) <ul style="list-style-type: none"> <li>○ Imaging Service Request Profile <ul style="list-style-type: none"> <li>▪ Output from O&amp;O discussion-completed updates and created Jira items during the Wednesday meeting. The work now needs to be done on the document itself.</li> </ul> </li> <li>○ Dose reporting <ul style="list-style-type: none"> <li>▪ Next steps- currently waiting for an email response back from the AAPM side.</li> </ul> </li> <li>○ DICOM SR to FHIR Observation <ul style="list-style-type: none"> <li>▪ May ballot?- This will depend on timing and Chris Lindop's status.</li> </ul> </li> </ul> </li> <li>• Planning- The group reviewed the May Working Group Meeting agenda. Jonathan Whitby will make room reservations when they are available.</li> </ul>	<p>Siena</p>
	<p>Q2 11:00 am</p>	<p>II/WG-20</p>	<ul style="list-style-type: none"> <li>• Cancelled</li> </ul>	<p>Deserto</p>
	<p>Q3 1:45p m</p>	<p>II/WG-20</p>	<ul style="list-style-type: none"> <li>• Cancelled</li> </ul>	<p>Montel ago 1</p>

Submitted by: Carolyn Hull, 2/6/23