

2018-10 WGM

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Agenda

Day	Session	Event	Room	Topic
Monday 10/01	Q1	No Meeting		
	Q2	No Meeting		
	Q3	No Meeting		
	Q4	FHIR+ hosting II CANCELLED		
Tuesday 10/02	Q0	No Meeting	Guest Room 403	
	Q1	II/WG-20	Guest Room 403	1. Opening <ul style="list-style-type: none"> • Call to order, introductions, and welcome. • Review & approval of the Agenda • Minutes of the previous meeting. • Antitrust rules. 2. General Administration <ul style="list-style-type: none"> • Review PBS Metrics (Sept2018 final) • Review Workgroup Health Metrics (Sept2018 final) • Review joint meeting agendas <ul style="list-style-type: none"> • Tuesday 10/02 Q4 - OO hosting II reps (Digital Pathology) • Wednesday 10/03 Q2 - OO hosting II • Wednesday 10/03 Q4 - II hosting FHIR-I • Thursday 10/04 Q1-Q4 - II/WG-20 hosting WG-27 • Review and approve DMP document ? <ul style="list-style-type: none"> • https://docs.google.com/document/d/17mr6V_d3dALvrF0hKr1KJJ5vIJCpBM38TmxZtjdp28/edit?usp=sharing • Review any other housekeeping topics
	Q2	II/WG-20	Guest Room 403	4. Review open list of tracker items 5. Review FHIR Topics <ul style="list-style-type: none"> • Discuss plan for advancing ImagingStudy maturity 6. Discuss Images of Reference concept (see previous tracker item 17183 / provenance conversation)

	Q3	II/WG-20	Guest Room 403	<p>3. Review Projects and update Project Deadlines</p> <ul style="list-style-type: none"> • Sponsor <ul style="list-style-type: none"> • Status of Potential Project: FHIR Release 4 II Objects • Status of Project 1230: HL7 Endorsement of DICOM PS3.20: Imaging Reports using HL7 CDA (FHIRcast project on Wednesday) • Co-sponsor <ul style="list-style-type: none"> • Status of Project 1343 (Eye Care and Ophthalmology on FHIR) • Status of Project 1010 (Ordering service interface spec) • Status of Project 862 (Unique Specimen Identifier Requirements) • Status of Project 682 (Specimen CMET) • Any other project opportunities • Revise Imaging Integration 3 Year Plan (Project 1315)
	Q4	II/WG-20	Guest Room 403	5. Review FHIR Topics (continued)
		OO hosting II reps	Executive Boardroom	Discussion of Digital Pathology
	Post-Q4	No Meeting		
Wednes day 10 /03	Q0	No Meeting	Guest Room 320	
	Q1	II/WG-20	Guest Room 320	<p>Update on Cancer-Interoperability efforts on Breast-Cancer Radiology Reporting models and FHIR Profiles</p> <p>3. Review Projects and update Project Deadlines (continued)</p> <ul style="list-style-type: none"> • Sponsor <ul style="list-style-type: none"> • Status of Project 1392 (FHIRcast: Application Context Synchronization in FHIR) <p>Imaging Access for Consumers - result of Birds of a Feather discussion on the weekend</p> <p>11. Dental information exchange and interoperability project discussion</p>
	Q2	OO hosting II	Chesapeake B	<p>II Topics</p> <ul style="list-style-type: none"> • Use of Media in comparison to Observation • Diagnostic report profiling • Why is Media only maturity level 1? • Could Media be used in IHE EBIW profile, or is it better to DICOM wrap it? • "the Media resource is able to contain medical images in a DICOM format" – is this desired still?
	Q3	II/WG-20	Conway	<p>7. Book follow-up meetings (t-cons in fall-winter) and January WGM for II</p> <p>8. Review last WG-6 presentations and plan for next presentation</p>
	Q4	II/WG-20 hosting FHIR-I	Conway	<p>FHIR-I Agenda</p> <ul style="list-style-type: none"> • Status of the Identifier discussion for ImagingStudy (18064) • Discuss Images of Reference concept (see previous tracker item 17183 / provenance conversation) - can reference be used with profiles? • Operations on ImagingStudy (e.g., what does CREATE mean in the "real world"?) • Plan and expectations for R5, and maturity of the ImagingStudy resource going forward
	Post-Q4	No Meeting		
Thursda y 10/04	Q0	No Meeting	Charles	
	Q1	II/WG-20 hosting WG-27	Charles	<p>9. Argonaut Diagnostic Report for Imaging</p> <p>Consider motion to be co-sponsor of Cancer-Interoperability efforts on Breast-Cancer Radiology Reporting models and FHIR Profiles - https://drive.google.com/open?id=1W0pG0ahXR83j44xQ_slNiVJTjdM-A7Zda36uH1_Wvvo</p> <p>10. WG-27 Topics</p> <ul style="list-style-type: none"> • Documentation of web services in new DICOM conformance statement • Implementer feedback <ul style="list-style-type: none"> • JSON format (Jacques) • IHE Connectathon feedback (Bill) <ul style="list-style-type: none"> • STOW-RS separation of multiple data parts for binary fields • STOW-RS multiple transfer syntaxes being stored in JSON • DSC outcomes <ul style="list-style-type: none"> • Work item proposal for application/zip • Conformance • Notifications (NADO) • Status of SUP-183 (re-documentation project)

Presiding Officers: Brad Genereaux, Agfa Healthcare
Elliot Silver, Change Healthcare

DICOM Secretariat: Luiza Kowalczyk, MITA

Opening

- 1.1. The meeting was called to order at 9:00 a.m. US ET on Tuesday, October 2, 2018
- 1.2. The antitrust rules were reviewed, and DICOM patent policy as well.
- 1.3. The agenda was approved
- 1.4. The minutes from August 23rd and September 7th were approved.

Tuesday, October 2, 2018, Q1 – 9:00-10:30 a.m. US ET

Interoperability discussions for AI – Update

The Data Science Institute (DSI) at the American College of Radiology (ACR), works with artificial intelligence in medical imaging, and how to facilitate ongoing developments. A critical aspect of this is how to get the informational and imaging data for a number of purposes, including for training, as well as operationally (for visualization, driving workflow, and for generating reports). As such, the technologies of HL7 FHIR and DICOMweb will be increasingly critical, and these interoperable standards must be empowered to enable this communication. ACR/DSI is looking for input and for vendors who want to participate directly with the standards bodies such as HL7, DICOM, NEMA, and IHE to move the existing standards forward to better support patients in the adoption of modern AI.

References: <http://confluence.hl7.org/display/IMIN/Artificial+Intelligence+and+Standards>

Since there had been expressed a lot of interested in [Interoperability discussions for AI](#) essentially, identifying use cases for various AI scenarios, and ensuring that from an interoperability perspective, an informal meetup was organized at [CIMMI](#) on September 10th.

Meeting at CIMMI: The meeting on Sept. 10th was very productive (FYI over 60 participants).

Present participants uncovered a lot of interesting issues that needed to be addressed. The minutes will be distributed to participants soon.

Conclusion/Outcome: DICOM WG-23 will be taking primary responsibility for AI integration efforts within DICOM. WG-20 will support that effort where needed, and in particular, to integrate with FHIR. Calls on the topic will be scheduled by WG-23 and announced on their mailing list, and not primarily on WG-20's list. If you have an interest in following the work, please make sure you have signed up to the DICOM WG-23 mailing list. Contact DICOM Secretariat Office dicom@dicomstandard.org

Reviewed [PBS PBS Metrics \(Sept2018 final\)](#)

Reviewed [Workgroup Health Metrics \(Sept2018 final\)](#)

Briefly reviewed topics for WG-27 Thursday meeting.

FHIR Ballot http://wiki.hl7.org/index.php?title=FHIR_Ballot_Prep

Reviewed and updated the DMP (Decision Making Practices for WG-20 II/HL7) <https://confluence.hl7.org/display/IMIN/DMP+Alignment>

https://docs.google.com/document/d/17mr6V_d3dALvrF0hKr1KJJ5vJcPBM38TmxZtjdp28/edit?usp=sharing

ACTION ITEM 1: DMP-5.2 – Presiding Chair Vote – It needs to be taking to the steering committee of HL7 , not clear for WG-20 II.

There was motion to approve "in principal" changes /updates made during today's meeting.

7-0-0

Tuesday, October 2, 2018; Q2 – 11:00-12:30 p.m. US ET

Reviewed open list of tracker items (5)

1. Tracker item #17179 – Not persuasive

ACTION ITEM 2 Brad will write a set of follow up on this tracter item. If Jonathan Whitby does not agree with it, he is going to write up his own, and then we will discuss the differences.

1. Tracker item #17279 – It is on hold right now. The CP-1853 has been submitted to DICOM regarding this tracker item.
2. Tracker Item #17427 – Resolution: Change procedureReference description to "The procedure which this ImagingStudy was part of." Resolved - **C**hange required. Why does procedure point at Diagnostic Report? Check on that. Mover/Seconder: For-Against-Abstain:Reinhard Egelkraut /Yongjian Bao: 4-0-0

3. Tracker Item #17179
4. Tracker Item #17183- Discussed Images of Reference concept (see previous tracker item [17183](#) / [provenance](#) conversation)

Tuesday, October 2, 2018; Q3 – 1:45-3:00 p.m. US ET

Nicholas Polyas and Anita Havele, Web3D Consortium stopped by and discussed potential uses of the X3D standard within HL7. Various aspects of Polyas' keynote presentation were reviewed. Boundaries between HL7 and DICOM use cases were discussed. We agreed to continue discussion, and to schedule a session 3-4 times per year to discuss coordination between HL7, DICOM, and Web3D.

Administrative

- **Change of leadership in WG-20 II**

Elliot Silver, Change Healthcare, will be stepping down as the Co-Chair of WG-20 II, effective as of the January WGM.

Review Projects and update [Project](#) Deadlines

Project 1230 – There was expressed an interest of canceling this project:

ACTION ITEM 3: Elliot will take this item action to Harry Solomon and Teri Sippel Schmidt, and members of DICOM WG-06 Base Standard.

Present PSS for OO - Specimen DAM and DICOM Supplement 122 comparison in support of Digital Pathology (Ulrike Merrick)

ACTION ITEM 4: We have noticed that there was a mistake on the HL7 website, WG-20 II/HL7 is co-sponsor of this project and not a primary sponsor.

Tuesday, October 2, 2018, Q4 – 3:30-5:00 p.m. US ET

Reviewed and updated items of the WG-20 II 3 year plan

- Develop and support FHIR imaging-related resources - September 2018-September 2021
- Develop imaging implementation guide, profiles, and white papers for FHIR - January 2019-May 2020
- Potential topics include Integrated Modality Worklist (MWL), Proxy to a DICOM archive, When to use FHIR and when to use DICOMweb, Authentication/networking across a FHIR and DICOMweb ecosystem, Dose, and Applying Operations (FHIR and non-FHIR) within Imaging
 - Specialty-specific workflows (cardiovascular - echo/cath reporting, decision support, informatics; ophthalmology; etc), measurements and reports - January 2018-January 2020
 - Develop and support context-sharing between information and imaging systems (FHIRcast) - September 2018-January 2020
- <https://docs.google.com/document/d/15cBnJEcANfnin-MQEL2kIcHyleU5I xv9FpKwpstvA/edit?usp=sharing>

FHIR topics

Tracker Item # 17441 – voting not required, it was just reviewed and updated.

Wednesday, October 3, 2018, Q1 – 9:00-10:30 a.m. US ET

Update on Cancer-Interoperability efforts on Breast-Cancer Radiology Reporting models and FHIR Profiles

- Here is the latest PSS <it might need to be slightly modified>: https://drive.google.com/open?id=1W0pG0ahXR83j44xQ_slNiVJTjdM-A7Zda36uH1_Wvvo
- This is out second cycle and they will be shooting for STU on their next cycle: [Breast-Cancer Staging Sept 2018 IG](#)
- It is recommended to look at Cancer Staging IG's
- Rich Esmond, and Greg Gustafson, PenRad will be main drivers for this project but WG-20 II will be the co-sponsor for this project.
- WG-20 II would start having t-cons including this topic as January of 2019.

Dental information exchange and interoperability project discussion

- Todd Cooper, Intermountain Healthcare, will be a main driver for this project.

ACTION ITEM 5: It is recommended to have Todd talk to Co-Chairs of DICOM WG-22 Dentistry – Elliot Silver, Change Healthcare.

Update on FHIRcast – Isaac Vetter, Epic

FHIRcast is modern, simple application context synchronization built on top of SMART on FHIR for the tight synchronization of full featured healthcare application, native apps or even synchronizing applications across multiple machines. See <http://fhircast.org/> and the zulip stream for more info: <https://chat.fhir.org/#narrow/stream/118-FHIRcast>

- Isaac Vetter gave an update on FHIRCast <http://bit.ly/fhircast201809>
- We are leaning towards an informative ballot in January '18, have all content ready for November '18.
- Inform people about the ballot on GitHub
- Support FHIRcast to bring for an informative ballot in January (10 ppl in the room, 9-0-0)
- January's FHIR Connectathon FHIRcast track is being planned

Wednesday, October 3, 2018, Q2 – 11:00-12:30 p.m. US ET Joint session with Orders and Observations (OO)

Members of WG-20 II verbally expressed few concerns for the Argonaut Diagnostic Report Project for Imaging

Discussion of Media/Observation/DocumentReference use and boundaries confusion.

Minutes will be posted on the confluence site: <https://confluence.hl7.org/display/OO/OO+WGM+201809++Agenda>

ACTION ITEM 6: Elliot Silver, Change Healthcare, Co-Chair of WG-20 II, will send an email to Lorraine Constable, HL7 Canada, regarding a concern WG-20 II is having about Argonaut profiling of Diagnostic Report

Wednesday, October 3, 2018, Q3 – 1:45-3:00 p.m. US ET

Scheduled t-cons for WG-20 II

- Thursday, October 18, 2018, 2:00-3:30 US ET
- Thursday, November 1, 2018, 1:00-2:30 US ET
- Tuesday, November 20, 2018, 1:00-2:30 US ET
- Wednesday, December 12, 2018, 1:00-2:30 US ET

Discussed agenda items and schedule for the next WG-20 II meeting during HL7 WGM in January of 2019: <https://confluence.hl7.org/display/IMIN/2019-01+WGM>

Wednesday, October 3, 2018, Q4 – 3:30-5:00 p.m. US ET

Discussed the status of the Identifier discussion for ImagingStudy (18064)

Discussed Images of Reference concept (see previous tracker item 17183 / [provenance](#) conversation) - can reference be used with profiles? - Diagnostic Report – 7-0-0

Brad will follow tracker items against the resources he wants a change.

Thursday, October 4, 2018, Q1 – 9:00-10:30 a.m. US ET

Argonaut Diagnostic Report for Imaging

- It's going to go for ballot this fall/winter.
- Brett Marquard (brett@waveoneassociates.com) is leading the initiative. Most of their members are from vendors actively implementing the specification; however, he indicated a small number of II/WG-20 members are welcome to join the calls.

<https://github.com/argonautproject/clinicalnotes>, with the profile of DiagnosticReport at <https://argonautproject.github.io/clinicalnotes/StructureDefinition-argo-diagnosticreport.html>. This is expected to eventually feed into the US core profile for FHIR R4:

<https://github.com/hl7/US-Core-R4>

The following concern have been expressed during the meeting on behalf of WG-20 II by Co-Chair of WG-20 II, Elliot Silver, Change Healthcare:

- "They are currently profiling FHIR DiagnosticReport for Radiology, Lab, and Pathology uses under their Clinical Notes work item. Imaging Integration has not yet had an opportunity to consider how DiagnosticReport might be used in a Radiology, Cardiology, or general Enterprise Imaging context. My concern is that the Argonaut work will form the basis of the US Core profiling of R4. Given the dominance of the US market, US Core profiling then threatens to become the de facto international profiling of DiagnosticReport. As a result, when Imaging Integration does decide to focus on DiagnosticReport profiling, we will be constrained to profile consistent with Argonaut work. I am not specifically concerned that the Argonaut profiling is headed in a bad direction or is otherwise "wrong"; my concern is that they are going ahead with profiling a resource without engaging the relevant clinical work group. (In this case the "relevant" work group is separate from the work group that owns the resource.) I suspect that O&O (who now cover Lab and Pathology clinical areas) may also want some involvement".

The Joint Meeting with DICOM WG-27 Web Technology for DICOM (Q1-Q4). Please refer to WG-27 minutes for the summary from this meeting. They have been posted on the DICOM website: <http://dicom.nema.org/Dicom/minutes/WG-27/2018/>

2. Next Meetings

T-cons:

- Thursday, October 18th, 2018, 2:00-3:30 US ET
- Thursday, November 1st, 2018, 1:00-2:30 US ET
- Tuesday, November 20th, 2018, 1:00-2:30 US ET
- Wednesday, December 12th, 2018, 1:00-2:30 US ET

In Person

- HL7 – January 12-18, 2019, San Antonio, TX
- In conjunction with HL7, WG-10 Strategy and WG-29 ECO in January, San Antonio, TX
- Draft agenda: <https://confluence.hl7.org/display/IMIN/2019-01+WGM>

Future Meetings of HL7

2019

- January 12-18, 2019, San Antonio, TX
- <http://www.hl7.org/events/workgroupmeetings.cfm?ref=nav>
- May 4-10, 2019, Montreal Quebec, Canada, International Conference & WGM
 - September 14-20, 2019, Atlanta, GA, 33rd Annual Plenary & WGM

2020

- February 1-7, 2020, Sydney, Australia, International Conference & WGM
- May 16-22, 2020, San Antonio, TX, WGM
- September 19-25, 2020, Baltimore, MD, 34th Annual Plenary & WGM

3. Adjournment

The meeting was adjourned on Thursday, September 4th at 10:30 a.m. US ET, and, then resumed jointly with WG-27 Web Technology for DICOM at 10:30 am US ET, and adjourned at 5:00 p.m. US ET.

Submitted by Luiza Kowalczyk, Secretary
Reviewed by Legal Counsel, Clark Silcox, October 14, 2018.