

2017-01 HL7 Health Care Devices and IEEE 11073 PoCD Work Group Meeting Minutes

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San Antonio, Texas, Monday 2017/01/16 – Thursday 2017/01/19

See below for attendee lists for each quarter

Monday Q1

Welcome & Introductions

IEEE 11073 Standards Committee leadership:

Ken Fuchs, Chair

Malcolm Clarke, Vice Chair

John Rhoads, Secretary

IEEE 11073 Point-of-Care (PoCD) Device Committee

Jan Wittenber, Chair

IEEE 11073 SDC Committee

Stephan Schlichting, Chair

IP / Patent Policy Review

- Wittenber presents current standard IP/Patent Policy slides from IEEE

IEEE 11073 PoCD Workgroup Overview

- Face-to-face meetings typically co-located with HL7 (like this one)
- Membership list – periodically revised in accordance with recent activity (attendance at meetings, votes in email ballots)

Agenda Review & Approval for this meeting

- Review of agenda v. 0.5
- Approval to reissue with timing adjustments made in current discussions moved by Wittenber, seconded by Garguilo. Unanimous **vote to approve**.

Minutes & Action Item Review & Approval, September 2016 Meeting

- Minutes from meeting 2016 Sept., Baltimore, MD, USA (<http://www.hl7.org/Special/committees/healthcaredevices/minutes.cfm>)
- Revision of minutes: Martin Kasparick to be added to attendee list Wed(?) Q3
- Clarify discussion of Singureanu PSS proposals: change "Co-Sponsors" to "Sponsors/Co-Sponsors" and add Patient Care WG, note that relationship of proposals with "DoF", so further clarification of nature and scope needed to go further (open item)
- Minutes approved as revised

Monday Q2

IEEE General Update

- Presentation has details:
- [11073 Update Jan-2017 Ver2](#) – Kathryn Bennett
- 11073-SC Leadership/Elections Update
- IEEE SA Update, incl. Get Program
- PoCD Membership Status, PoCD WG Secretary Transition, Prospective Elections
- Wittenber will serve as chair till Jan 2018, Rhoads interim secretary till Jan 2018. WG should consider whether a vice-chair position to be established
- IEEE 11073 PHD Update
- Ad-hoc security group at work. Consider adding a joint activity with POCD.

Updates on other SDOs, continued

- AAMI/UL 2800 Update (Wittenber, Rhoads)

- Integrated Clinical Environment (ICE) standards formerly ASTM have been migrated to AAMI. Device Logger first new component worked on. Nominal goal May 2017. AAMI 2800 goal 4Q publication.
- TC215 relationship update (Lillehammer meeting) Fuchs / Clarke
 - Clarke: IEEE 11073 to regularly report on status to WG 2

Monday Q3

Updates on other SDOs, continued

- AAMI/UL 2800 and TC215 updates, contd.
- 80001 revisions underway
- 81001 under construction (terms and definitions)
- Cooper to send out ISO/IEC JWG 7 Security Tiger Team report – Fischer, Hamming, Wittenber

[ISO/IEC JWG7 Security Tiger Team 2016 Recommendations](#) – Ben Kokx

[ISO/IEC JWG7 Security Tiger Team 2016 Report Out](#)– Ben Kokx

- Clarke: IEC SyC Active Assisted Living needs to be made aware that IEEE 11073 has existing standards covering gaps in their current plans. No specific action item offered at this time. Todd will return to this topic later per schedule.
- ONC Interoperability Roadmap Update Dec 2016
- Devices on FHIR update (see Wed. Q3)
- Infusion Pump discussion (Cooper/Schluter)

new terms waiting to be incorporated in Rosetta Terminology Management System (RTMMS) from US National Institute of Standards and Technology (NIST) ,

Monday Q4

Standards Maintenance

Presenter: Kathryn Bennett, IEEE

- IEEE 11073-10101, -10201, -20101 Revisions
- PAR Renewals (103xx, 2020x, 20301)
- More participants desired. Consider issuing a call for interest by email or web meeting
- Infusion Pump discussion continued
- **Action item:** Al Englebert to work on infusion pump modeling with Prometheus Computing DIM Editor, with supervision by Todd Cooper and Paul Schluter.
- **Action item:** Determine if IEEE 11073 Committees will participate in HL7 June meeting in Madrid. Pro: SDC interests could be present, con: doubtful how many others could attend. Discussion to be continued Wednesday in Road Mapping topic.

Tuesday Q1

IP / Patent Policy Review

PHD Device Security approach update

- Plan to reuse PHD device security approach as much as possible in PoCD (including SDC)
- **Action Item:** Wittenber (POCD) and Clarke (PHD) will make contact to establish sharing of learnings from the PHD security ad-hoc group for other IEEE 11073 activities

11073-SDC update

(Part 1; Continue to Q4, as needed)

Presentation:

[HL7 International January 2017 Working Group Meeting - SDC Update](#) – Stefan

Schlichting , David Gregorczyk

- Status Overview
- 20702 Status
- 10207 Status/Draft Review
- Other (-20701)
- General discussion of the naming of the construct of "Channel" to reduce confusion (for example, to "Metric Group"). The **consensus** of the meeting was to continue the use of "Channel" unless the weight of comments received in the current balloting process compels reconsideration.

Tuesday Q2

Terminology update

Presentation:

[IEEE 11073 GC 2017-01.SanAntonio.NomenclatureStatus.1a.2017-01-17T08](#) – Paul Schluter

- 11073-10101b Status
- Event and alert nomenclature extensions to -10101b in progress
- [mdcAlertsEventsNotes.SanAntonio.1j.2017-01-17T09](#) – Paul Schluter
- Implantable Device Cardiac Observations (IDCO)

PoCD, PHD, IHE PCD Rosetta, PCHA/Continua, MDPnP, OR.NET terminology update process

- Approach and RTMMS inclusion to facilitate parallel terminology development (continued in Q3)

Tuesday Q3

Terminology Mapping update

- LOINC (Abhyankar)
- Approach and RTMMS inclusion to facilitate parallel terminology development (Schluter, continued from Q2). Discussion of semantic construction of event and alert terms.
- NIST Update on Tooling

Presentation: [NIST HL7 IEEE Update 1 17 2017 SanAntonio](#) – John Garguilo

- DIM Tooling Update – Garguilo, Wittenber
- DIM (-10201) document update - Wittenber

Tuesday Q4

C4MI update

[C4MI Presentation 2017-01-17](#) - Ken Fuchs

MDI update discussion

Unique Device Identification (UDI) update discussion

Action Item: Data models for PHD and PoC need adjustment to accommodate UDI information

Time management update (e.g. base-local)

Action Item: Base-local time a topic for phone meeting

MDAP (-20101) update

Wednesday Q1

IP / Patent Policy Review

Dialysis System/Support update (IEEE P11073-10316)

- Jan Wittenber reported on very inclusive data model developed.
- Patrick Loyd reports on work in progress within HL7 to reflect HL7 concerns of basing on use cases and selectively providing needed data as determined by clinicians.

Presentation: [HealthcareDevice - Dialysis Project Status Jan2017](#) - Patrick E. Loyd,
Lorraine Constable

Overflow Topics

- PHD/PoCD Web-Site update - Clarke

11073 Scoping Topics:

- **Action Item:** Follow-up on Open ICE-related scoping questions from last WG meeting (“Equipment”, “App”, and “software” as potentially new objects for inclusion in the DIM)

11073 Roadmap Planning - Chair

IEEE 11073 Meeting adjourned - Chair

Wednesday Q2

Welcome & Introductions - Chairs

IP / Patent Policy Review

Work Group Overview

Updates from HL7 Co-chair meeting – Rhoads/Cooper

HL7/HCD Status Report

DEV Projects Review - Chairs

Update on Object Hierarchy Containment Tree (OBX4) – Clarke / Rhoads

General DoF 2016 / 2017 Update

Wednesday Q3

HL7 PC & IHE PCC Device Projects Update

Project Scope Statement: [CrossParadigm IG Medical Device interoperability.v2](#) –

Serafina Versaggi and Ioana Singureanu

DoF Use Cases Discussion

Wednesday Q4

Hosting Mobile Health WG

Update on Mobile Health projects, presentation:

[Mobile Overview January 2017](#) – Matt Graham

- Review of PSS of the HL7 Mobile Health Work Group (action item)
- FDA CDRH NEST Report & Discussion (Cooper)
- Aging Communities (TC 215) Briefing - Cooper
- mFHASt Research Database

Presentation: HL7 Integration of Information Models and Tools (IIM&T) Project
(Sponsored by CIMI WG)

[IIMandT Newsletter 2017 -01 Pre-HL7 Meeting](#) – Hufnagel

Thursday Q1

Joint with FHIR MG

Simone Heckmann

Looking at Information and Warning message from build (see Lloyd McKenzie, *substantive change date Feb. 19, warnings by Feb. 28*)

- **Action Item:** General Issue: lack of examples including a particular item
- **Action Item:** consider adding more search items
- **Action Item:** optionality of lastSystemChange - perhaps handle in profiles of PHD vs. POCD - also check for other issues from PHD (Brian Reinhold)
- **Action Item:** review FHIR Resource QA Tracker - one issue, number of comments and substantive changes
- **Action Item:** roadmap other capabilities / use cases in PSS e.g. alerts, location tracking, device-patient association, infusion pump specialties, datatypes e.g. waves, retrospective data query

Mapping

- Simple mapping tab, cf. Observation
- Concept Map resource - terminology server for value set correspondences - thesaurus- type relationship (wider term, narrower term). Possibly applicable to, for example, IEEE to LOINC
- Logical Model resource - relatively new, relatively

- StructureMap resource - machine-readable map from logical model to FHIR resource - FHIR type rules for conditionality

Implementation Guide

- Generated by, for particular use case. Can be done with spreadsheet. See also Furore tool.
- IG Publication Tool (wiki page IG Publisher Documentation has step-by-step instructions).
- StructureDefinition with "must support" (S) (in Differential Table tab)
- "Simplifier" tool may soon integrate the relevant parts.

Thursday Q2

FHIR Profiling

Michael Rutten, Furore – author of the Forge profiling tool

- old way - demo of spreadsheet
- Forge tool - generates StructureDefinition resource
- demo - profiling a single resource, multiple resources, 'nested' profiles

Thursday Q3

Discussion of plans for May WGM in Madrid - Chairs

- Not certain how many U.S. members will be able to attend, but in any case some European members of HCD intend to go. Todd Cooper will request meeting rooms

Discussion of action items

San Antonio HL7 WGM Meeting Adjourned

Attendee Listings

Monday Q1 Attendees

John Rhoads (Philips Healthcare)

Malcolm Clarke (Brunel University)

John Garguilo (National Institute of Standards and Technology)

Todd Cooper (Breakthrough Solutions)

Paul Schluter (GE Healthcare)

Behnaz Minaei (FDA)

Michael Tushen (Lantana)
Kathryn Bennett (IEEE)
John Dyer (Draeger)
Stefan Schlichting (Draeger)
David Gregorczyk (Draeger)
Jan Witterber (IEEE)
Ken Fuchs (Center for Medical Interoperability)

Monday Q2 Attendees

Malcolm Clarke
John Garguilo
Todd Cooper
Paul Schluter
Koichiro Matsumoto (Nihon Kohden)
Behnaz Minaei
Clem McDonald (National Library of Medicine)
Kathryn Bennett
John Dyer
Stephan Schlichting
David Gregorczyk
Jan Wittenber
Ken Fuchs
John Rhoads
Kurt Elliason
Martin Kasparick (University of Rostock)

Monday Q3 Attendees

Malcolm Clarke
John Rhoads
John Garguilo
Todd Cooper
Paul Schluter
Koichiro Matsumoto
Masato Tanaka (Nihon Kohden)
Kathryn Bennett
Swapna Abhyankar (Regenstreif)

Stefan Schlichting
David Gregorczyk
Jan Wittenber
Ken Fuchs
Martin Kasparick (online)

Monday Q4 Attendees

Malcolm Clarke
John Rhoads
John Garguilo
Paul Schluter
Koichiro Matsumoto
Masato Tanaka
Kathryn Bennett
Swapna Abhyankar
Stefan Schlichting
David Gregorczyk
Jan Wittenber
Ken Fuchs
Martin Kasparick
Todd Cooper (last 30 min)

Tuesday Q1 Attendees

Malcolm Clarke
John Rhoads
John Garguilo
Paul Schluter
Koichiro Matsumoto
Masato Tanaka
Kathryn Bennett
Megan Tetlow (Epic)
John Dyer
Stefan Schlichting
David Gregorczyk
Jan Wittenber
Ken Fuchs

Martin Kasparick (online)
Bjorn Andersen (online)

Tuesday Q2 Attendees

Malcolm Clarke
John Garguilo
John Rhoads
Paul Schluter
Koichiro Matsumoto
Masato Tanaka
Kathryn Bennett
Megan Tetlow
John Dyer
John Walsh (Massachusetts General Hospital)
David Gregorczyk
Jan Wittenber
Ken Fuchs
Martin Kasparick (online)
Bjorn Andersen (online)
J.-Uwe Meyer (MT2IT, online)

Tuesday Q3 Attendees

Malcolm Clarke
John Rhoads
John Garguilo
Paul Schluter
Swapna Abhyankar
Behnaz Minaei
Koichiro Matsumoto
Masato Tanaka
Kathryn Bennett
Megan Tetlow
Myson Finseth (Medtronic)
David Gregorczyk
John Walsh
Jan Wittenber

Ken Fuchs
J.-Uwe Meyer (online)

Tuesday Q4 Attendees

Malcolm Clarke
John Rhoads
John Garguilo
Paul Schluter
Behnaz Minaei
Christian Hay (GS1)
Koichiro Matsumoto
Masato Tanaka
Kathryn Bennett
Megan Tetlow
Myson Finseth (Medtronic)
John Dyer
David Gregorczyk
Jan Wittenber
Ken Fuchs

Wednesday Q1 Attendees

Malcolm Clarke
John Rhoads
Todd Cooper
Paul Schluter
Behnaz Minaei
Koichiro Matsumoto
Masato Tanaka
Kathryn Bennett
Megan Tetlow
Myson Finseth (Medtronic)
Lorraine Constable (representing Orders and Observations)
Patrick Loyd (representing Orders and Observations)
John Dyer
David Gregorczyk

Jan Wittenber
Ken Fuchs
Chris Courville (online)

Wednesday Q2 Attendees

Malcolm Clarke
John Rhoads
Todd Cooper
Paul Schluter
Behnaz Minaei
Kochiro Matsumoto
Masato Tanaka
Kathryn Bennett
Megan Tetlow
Myson Finseth (Medtronic)
Lorraine Constable (representing Orders and Observations)
Patrick Lloyd (representing Orders and Observations)
John Dyer
David Gregorczyk
Jan Wittenber
Ken Fuchs
Chris Courville (online)

Wednesday Q3 Attendees

Malcolm Clarke
John Garguilo
John Rhoads
Todd Cooper
Paul Schluter
Behnaz Minaei
Koichiro Matsumoto
Masato Tanaka
Kathryn Bennett
Megan Tetlow
John Dyer
Jan Wittenber

Ken Fuchs
Serafina Versaggi
Ioana Singureanu

Wednesday Q4 Attendees

Malcolm Clarke
John Rhoads
John Garguilo
Matt Graham (representing Mobile Health)
Nathan Botts (representing Mobile Health)
Todd Cooper
Paul Schluter
Behnaz Minaei
Koichiro Matsumoto
Masato Tanaka
Megan Tetlow
Myson Finseth (Medtronic)
John Dyer
David Gregorczyk
Jan Wittenber
Ken Fuchs
Steve Hufnagel

Thursday Q1 Attendees

Malcolm Clarke
John Rhoads
John Garguilo
Todd Cooper
Paul Schluter
Behnaz Minaei
Kochiro Matsumoto
Masato Tanaka
Megan Tetlow
John Dyer
David Gregorczyk
Jan Wittenber

Ken Fuchs
Simone Becker (representing FHIR)

Thursday Q2 Attendees

Malcolm Clarke
John Rhoads
John Garguilo
Todd Cooper
Paul Schluter
Behnaz Minaei
Koichiro Matsumoto
Masato Tanaka
Megan Tetlow
John Dyer
David Gregorczyk
Jan Wittenber
Ken Fuchs
Michael Rutten (Furore, representing FHIR)

Thursday Q3 Attendees

John Rhoads
Paul Schluter
Behnaz Minaei
Koichiro Matsumoto
Masato Tanaka
Megan Tetlow
Jan Wittenber
Ken Fuchs

[CrossParadigm IG Medical Device interoperability.v2](#) – Ioana Singureanu