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| DRAFT MEETING MINUTES | | |
| Dated | 2010-02-18 | |
| Reference | ISO/TC 215/ WG7 – N | 0277 |

24nd meeting of:
ISO/TC215 — HEALTH INFORMATICS WG7 — DEVICES,
Jointly with IEEE EMBS 11073, and hosted by HL7 Health Care Devices (DEV) WG, at the HL7 Working Meetings

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| <p><i>WG7 Secretariat:</i> PATTY KRANTZ (ANSI) patty.krantz@medtronic.com</p> |
| <p><i>WG7 Convenor, IEEE11073 Co-Chair, HL7 DEV WG Co-Chair:</i> TODD COOPER (ANSI) t.cooper@IEEE.org</p> <p><i>IEEE11073 Co-Chair, HL7 DEV WG Co-Chair:</i> MELVIN REYNOLDS (BSI) MelvinR@AMS-Consulting.co.uk</p> |
| <p><i>Host organisation:</i> ANSI - HL7 international - please register onsite (see http://www.hl7.org/Events/phoenix012010 for detail).</p> |

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| <p><i>Meeting dates:</i> 2010/01/17 to 2010/01/23 (Sunday, January 17 - Saturday, January 23, 2010)</p> |
| <p><i>Place:</i> Pointe Hilton Squaw Peak Resort 7677 North 16th Street Phoenix, AZ 85020, USA</p> <p>Resort Phone Direct: +1 (602) 977-2626 Resort Fax: +1 (602) 997-2391 Reservations: +1 (800) 876-4683 www.pointehilton.com</p> |
| <p><i>Host:</i> ANSI - HL7 international http://www.hl7.org/Events/phoenix012010</p> |

continued overleaf ...

| HL7 Health Care Devices Meeting Attendance | | | | | | | | | | | | | | | | | | | |
|--|--|-----------------------|----|----|----|------------------------|----|----|----|----|--------------------------|----|----|----|-------------------------|----|----|----|----|
| NAME | E_MAIL | Monday 18 Jan 2010 | | | | Tuesday 19 Jan 2010 | | | | | Wednesday 20 Jan 2010 | | | | Thursday 21 Jan 2010 | | | | |
| | | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q5 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q5 |
| Benson, Tim | tim.benson@abies.co.uk | | | | | | | | | | | | | | | | X | | |
| Bogia, Doug | On telecom | | | | | | | | | | | | | | X | | | | |
| Carnahan, Lisa | lisa.carnahan@nist.gov | | | | | X | X | | X | | | | X | X | | X | X | | |
| Clarke, Malcolm | Malcolm.clarke@brunel.ac.uk | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| Cooper, Todd | t.cooper@ieee.org | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| Cowan, Ronald | rcowan@merge.com | | | | | | | | | | | | | | | | | | |
| Dulong, Donna | ddulong@apelon.com | | | | | | | | | X | | | | | | | | | |
| Elkin, Jackie | Jackie.elkin@medtronic.com | | | | X | | | | | | | | | | | | | | |
| Finseth, Myron | Myron.finseth@medtronic.com | | | | | | | | | | X | X | | | | | | | |
| Fuchs, Ken | Ken.fuchs@ieee.org | | | | | | | | | | | | | X | X | X | X | X | |
| FX, Colin | colinfx@epic.com | X | X | X | X | X | X | X | X | | X | X | | | X | X | | | |
| Garguilo, John | John.garguilo@nist.gov | X | X | X | | X | X | | | | X | | X | X | | X | X | | |
| Gejdos, Igor | Igor.gejdos@route.com | | | | | X | X | X | X | | | | | | | | | | |
| Gessner, Christof | Gessner@mxdx.de | X | X | X | X | | | | X | X | X | X | | | X | | X | | |
| Goga, Nicu | n.goga@tug.nl | X | X | | | | | | | | | | | | | | | | |
| Goossen, Anneke | annekegoossen@cs.com | | | | | | | | | X | | | | | | | | | |
| Goossen, William | williamtgoossen@cs.com | | | | | | | | | X | | | | | | | | | |
| Greim, Patty | Patricia.greim@va.gov | | | | | | | | | X | | | | | | | | | |
| Hampton, Rick | | | | | | | | | | | | | | X | X | | | | |
| Hay, Christian | Christian.hay@gs1.ch | | | | X | | | | | | | | | | | | | | |
| Hendler, Peter | peter@javamedical.com | X | X | X | X | | | | X | X | | | | | | | | | |
| Hirai, Masaaki | Masaaki_hirai@nifty.com | X | X | X | X | | X | | X | | X | X | X | X | X | X | X | X | |

| HL7 Health Care Devices Meeting Attendance | | | | | | | | | | | | | | | | | | | |
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| | | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q5 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q5 |
| Hobbs, Allen | Allen.hobbs@kp.org | X | X | X | X | | | | | | X | X | | | | | | | |
| Hurrell, Martin | martinhurrell@gmail.com | | | | | | | | X | | | | | | | | | | |
| Krantz, Patty | patty.krantz@medtronic.com | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| Kwak, Yun Sik | yskwak@knu.ac.kr | X | X | X | X | | | | | | | | | | | | | | |
| Liebler, Bernie | bliebler@advamed.org | | | | | | | | | | X | X | | | | | | | |
| Martinez, Sandra | martinez@nist.gov | X | X | X | | X | X | X | X | | | | X | X | X | X | X | | |
| McCaulley, Vincent | vincem@mccauleysoftware.com | X | X | X | X | | | | | | | | | | | | | | |
| McDonald, Clem | clemmcdonald@mail.nih.gov | | | | | | | | | | X | | | | | | | | |
| Meyer, Gary | Gary.meyer2@carefusion.com | | | | | | | X | | X | | X | X | | | | | | |
| Monk, Terri | Terri.monk@duke.edu | | | | | | | | X | | | | | | | | | | |
| Nicol, Alan | Alan.nicol@informatics.com | | | | | | | | X | | | | | | | | | | |
| Pedro, Brad | bpedro@gs1us.org | | | | X | | | | | | | | | | | | | | |
| Reed, Terrie | Terrie.reed@fda.hhs.gov | | | | X | | | | | | X | | | | | | | | |
| Reynolds, Melvin | melvinR@AMS-Consulting.co.uk | X | X | X | X | X | X | X | X | X | X | X | X | X | | | X | X | X |
| Rhoads, John | john.rhoads@philips.com | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| Rocca, Mitra | Mitra.rocca@fda.hhs.org | | | | | | | | X | | | | | | | | | | |
| Sailor, Karin | Karin.sailor@medtronic.com | | | | | | | | | | X | X | | | | | | | |
| Schadow, Gunther | gschadow@regenstrail.org | | | | | | | | | | X | | | | | | | | |
| Schlueter, Paul | Paul.schluter@med.ge.com | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| Singureanu, Ioana | ioana.singureanu@va.gov | X | X | | | X | X | | | X | | | | X | X | | | | |
| Sison, Luigi | lsison@yahoo.com | | | | | | | | | X | | | | | | | | | |
| Snelick, Robert | rsnelick@nist.gov | | | | | X | X | | | | | | | | | | | | |

| HL7 Health Care Devices Meeting Attendance | | | | | | | | | | | | | | | | | | | |
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| Staudenmaier, Greg | Greg.staudenmaier@va.gov | | | | | | | X | | | X | | | X | | | | | |
| Stebly, Nick | nicholas.stebly@BSCI.COM | | | | | | | | | | | | X | | | | | | |
| Velezis, Marti | Marti.velezis@sonrisaconsulting.com | | | | | | | | | | X | | | | | | | | |
| Versaggi, Serafina | arafina@eversolve.com | X | X | | | | | | | | | | | | | | | | |
| Wittenber, Jan | Jan.wittenber@philips.com | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |

| Sunday 17: | | |
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| Quarter | Topic | Notes |
| Q1 – Q3 | 1. HL7 International Council meeting | HL7 affiliate members only |

| Monday 18: Status update and strategy day | | |
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| Quarter | Topic | Notes |
| Q1 | 2. Welcome, roll-call, IP declaration, approval of agenda | All participants were introduced. Reviewed IEEE IP declaration (see document N0278) - no IP declarations made. Agenda reviewed and will continue to be revised as the week continues. Final agenda to be posted and will also be reflected in the meeting minutes. |
| Q2 | 3. 2010 meeting planning | See notes below (Thursday Qx) |

| Monday 18: Status update and strategy day | | |
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| Quarter | Topic | Notes |
| | 4. Leadership status / issues / elections | <p>Election being held Monday, 18 January for three co-chairs of the HL7 Health Care Devices group. Nomimees are Todd Cooper, Melvin Reynolds, John Rhoads.</p> <p>Two co-chairs may be elected as this was announced formally. A third can be appointed on an interim basis for one year. Melvin Reynolds will take the interim post. This will allow co-chairs to have overlap in future years.</p> <p>Chair and Vice Chair re-election for ISO WG7 coming in 2011. Looking for nominations.</p> |
| Q2 | 5. Organisation structure of ISO WG7 6. IEEE-SA Update | <p>Proposal for sub-groups to be formed within ISO TC215 WG7 Devices to assist in managing the projects.</p> <ul style="list-style-type: none"> SWG7.1 – Upper layers (UL) SWG7.2 – Lower layers (LL) SWG7.3 – Personal Health Devices (PHD) SWG7.4 – other <p>Structure not agreed upon at this time. Discussion to be reviewed and make decision on Thursday.</p> <p>Reviewed slides from Kathryn Cush (IEEE Liaison) on the status of IEEE PARs and standards (see document N0279).</p> |
| Q3-4 | 7. IEEE Policies and Procedures review | <p>IEEE 11073 Sponsor (General Committee) P&P has been approved by IEEE (December 2009), see http://standards.ieee.org/board/aud/EMB11073.pdf .</p> <p>Melvin Reynolds is now drafting the P&P for IEEE 11073 Working Groups (target May 2010). This will necessitate some revision of the Sponsor P&P (target Dec 2010) to achieve clarification of, and better alignment with, actual working methods.</p> <p>The approved HL7 Health Care Devices Mission and Charter has been posted to the HL7 website (Working Group policies and procedures in HL7 are governed by the General Operations Manual).</p> <p>To complete the record, ISO TC215 WG7 policies and procedures are governed by the ISO directives and the TC standing documents.</p> |

| Monday 18: Status update and strategy day | | |
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| Quarter | Topic | Notes |
| Q3-4 | <p>8. MDC Status Review / Planning</p> <p># General Coordination Review</p> <ul style="list-style-type: none"> - National / regional Updates <ul style="list-style-type: none"> - FDA Interop Workshop Update | <p>National/regional updates:</p> <p>Melvin Reynolds provided a verbal report of EU Interop activities. The following items, among others, were discussed:</p> <ul style="list-style-type: none"> - UK mandate to be approved sometime in February 2010 - EuroRec Institute project approved (HITCH: Healthcare Interoperability Testing and Conformance Harmonization) to do interop testing in an IHE way but building on communication ETSI testing <p>Todd Cooper presented the recently published HITSP Device Connectivity Technical Note (TN905, version 0.0.2). The document is available on the HITSP site: http://www.hitsp.org/ConstructSet_Details.aspx?&PrefixAlpha=5&PrefixNumeric=905</p> <p>Jan Wittenber provided overview of Figure 5-1 Business System Actors and Interfaces (EHR system, medical device, device intermediary, point of care manager, Clinical system) and Table 5-3 Business Actor Data flow characterization.</p> <p>Todd Cooper walked through Table 6-1 Device Connectivity Roadmap and Table 6-3 Gaps and Overlap (in the roadmap).</p> <p>Todd Cooper shared the Medicare EHR incentive payments slide (slide 18) from HIMSS presentation HIMSS_2010-01-06_DrHarrisMU_CertCriteria.pdf (see document N0280)</p> <p>A Medical Device Interoperability Workshop will occur at the FDA's White Oak campus January 25 - 27 (http://www.mdnpn.org/FDA_Interop_Workshop.php)</p> <ul style="list-style-type: none"> - The Food and Drug Administration (FDA) Center for Devices and Radiological Health, in co-sponsorship with Continua Health Alliance and the Center for Integration of Medicine & Innovative Technology (CIMIT) will hold a public workshop entitled "Medical Device Interoperability: achieving safety and effectiveness." The purpose of the workshop is to facilitate discussion among FDA, industry, academia, professional societies, clinical investigators and other interested parties on issues related to safe and effective interoperable medical devices. - Note that this workshop is trying to bring out the regulatory challenges while ICE PAK is aimed at technical issues. |

| Monday 18: Status update and strategy day | | |
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| | # 11073 Web Update | A new IEEE 11073 website is under development (http://72.167.241.3) and content development is needed. Todd Cooper encouraged volunteers to join in doing this. |
| | # UDI/GS1 Update | Christian Hay provided status update on Unique Device Identification and GS1 (bar codes). An education session on UDI and GS1 will be given Q0 on Wednesday. |

| Tuesday 19: | | |
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| Quarter | Topic | Notes |
| Q1 | 9. Election update | Co-chairs election results are in (drum roll, please): Todd Cooper, John Rhoads, Melvin Reynolds (1-year interim post) are the HL7 Health Care Devices co-chairs. |
| | 10. HL7 TSC/DESD | HL7 Technical Steering Committee (TSC) and Domain Experts Steering Division (DESD) report out: See the following HL7 wiki pages for more information HL7 TSC Domain Experts Steering Division Home - HL7 TSC |
| | <ul style="list-style-type: none"> – Scope statement – RCRIM Projects – RA for HL7 | The Health Care Devices WG mission & charter were approved with comments. The health of the working group is Green. The following are new facilitors for the WG: Chrisof Gessner – facilitator for vocab Ioana Singureanu – facilitator for modelling Catherine Chronaki – facilitator for projects |
| | 11. Testing Strategy (NIST) | John Garguilo provided an overview of current status on the NIST testing strategy (see document N0281) for IHE-PCD messages (HL7 2.x) and CDA. Test tool was exercised at IHE Connectathon in Chicago Jan 11-15 for DEC, SPD, ACM, PIV profiles. Predicate documents (below) can be viewed on the PCD FTP site: <ul style="list-style-type: none"> • Test Guidelines • Test plans Capable of validating instance (individual message), system (protocol) and peer to peer (application context). Developing a framework to include integration profiles, test guidelines, test plans and test cases. XML profiles for HL7 produced by NIST available together with validation context files with validation test cases. |
| | 12. Tooling Update (NIST) | Sandra Martinez provided overview of the development of the ICSGenerator for ISO/IEEE 11073 device model construction as input to verification testing. (see document N0281) ICSGenerator has been updated to have improved interface to provide greater information on attribute status (eg mandatory, optional). To be extended to incorporate full Rosetta Hierarchy database Rob Snelick provided status of the NIST testing framework. Tooling refers back to XML definition files as "Single Source of Truth". Creating a generic toolset approach that is based around service elements to be tailored to test case. Note that test definitions rely on testable assertions in specs. Spec writers are reminded that testable assertions in specifications are critical. |

| Tuesday 19: | | |
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| Quarter | Topic | Notes |
| Q2 | <p>13. NIST / Testing – Wrap up</p> <p>14. MDC Semantic Content - Continua Insulin Pump / Med Monitor & CDA Template</p> | <p>Garguilo / Cooper – discussion regarding the need to have a naming convention for OID to be consistent with base registered message. Action: John Garguilo to make sure this is on the topics list for February discussion. PHD -> PCD mapping.</p> <p>Igor Gejdos presented on the insulin pump in CDA (ISO/IEEE 11073-20601). (see document N0282) Personal Health Monitoring Report implementation guide can be used as example for other x73 to CDA report implementations. Substance Administration: information on drug normally needs to be added in Application Hosting Device - not available from device itself. Action: Melvin Reynolds and Igor Gejdos to discuss offline (need to ensure that what is in PCD already corresponds to Rosetta, corresponds to DCA) A project (for future) next revision of CDA to include insulin pump terms. There was timing issues between Continua specs and HL7/IEEE 11073 specs. Transport can be IHE-XDR or XDM (email subset of XDR). No practical mapping of content in this profile to SNOMED CT. Put in CCD medication report not Vital Signs/Insulin pump has no practical mapping to SNOMED CT (work with IEEE 11073 to create SNOMED CT term placeholders). Will enable clean up of terms already in Continua that do not have good relationship with SNOMED. Rosetta acts as a good interim repository.</p> |
| Q3 | <p>15. X73 Nomenclature 2.0</p> | <p>Jan Wittenber presented a preliminary roadmap for process and tooling for developing the next version of x73 nomenclature (see document N0283) General agreement to "decouple" the methodology, which will remain as the IEEE 11073-10101 document, and the actual terms, which will be "published" only in electronic form as periodic data file "snapshots" Action: Melvin Reynolds proposed that he and Jan Wittenber meet off line and come up with a proposal and present Q3 Thursday to include the NIST tooling.</p> |

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| Q4 | <p>16. GAS projects review</p> <p># Mapping from 11073 to HL7</p> <p>v3/CDA</p> | <p>Collaboration with Anesthesiology WG: Martin Hurrell and Alan Nicol attended and discussed the projects GAS-BP and GAS-HR (see document N0284, includes comments from Melvin Reynolds) They have a use case and are seeking help on how to represent within x73 model, and what it looks like on the wire. Goal is implementation guide for taking anesthesia device data to CDA for anesthesia record.</p> <p>There was much discussion of the use case and need for data.</p> <p>Jan Wittenber's suggestion is to start with model in NIST ICS Generator.</p> <p>Peter Hendler suggests that the device create IEEE 11073 model (which they have) write to a RIM graph (abstract representation), along with a persistence method, and this would go into the document. Several devices can put their RIM graph into one document.</p> <p>Action: John Rhoads (Prime collaborator) will look at this and find a couple of resources.</p> <p>Volunteers:</p> <ul style="list-style-type: none"> Igor Dejdor – review collaborator Colin FX – review collaborator <p>Ioana Singureanu is newly appointed model facilitator and should be contacted to assist with this work.</p> |
| | <p>17. IHTSDO / X73 semantic co-ordination</p> <p>“Observable Model”: Application to X73</p> | <p>Christof Gessner gave an overview of the ongoing work in the IHTSDO Project Group "Observable and Investigation Model" (Chair Kent Spackman).</p> <p>More material is found in the Collaborative Space of IHTSDO.</p> <p>If you would like access to the Collaborative Space, please see instructions on the following page: http://www.ihtsdo.org/about-ihtsdo/collaborative-space/</p> <p>For those already registered, here are the actual links in the protected space: https://thecap.basecamphq.com/projects/1736556/file/37299069/observable%20model%202009-10-07.ppt https://thecap.basecamphq.com/projects/1736556/file/37299070/process-observable-property.ppt</p> <p>Discussion was around NormativeMapping X73 => Snomed CT a (difficult) longer term goal. Term Maintenance process and tooling discussed in last item should be capable of storing and working with cross-mapping of x73 terms to SNOMED CT.</p> |

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| Q5 | 18. Detailed Clinical Model for Devices | <p>Joint meeting with PC: Anneke and William Goossen presented on DCM and medical devices. More information can be found on - HL7Wiki. http://wiki.hl7.org/index.php?title=Detailed_Clinical_Models See also mindmap document N0285.</p> <p>Luigi also presented object models examples (see document N0286) models necessary data from device to records. Original work started by Intermountain Health. Idea is to specify a detailed model of a small part of a clinical domain: specify once, then it is available to deploy for particular uses: clinical, quality, etc. Ioana Singureanu comment: could be presented as an HL7 Domain Analysis Model</p> <p>There is much interest and overlap in this work. The project scope statement is approved and will be handled by DEV in the Steering Division Domain Experts DEV lead with PC sponsoring. The proposal will be worked on and wait till TSC has approved # 320 on DCM itself first.</p> <p>Action: Jan Wittenber, Paul Schluter, and VA folks meet. DEV will provide PC with with 5 device types (within a VA context), include glucose meter and infusion pump. Create a domain analysis model for medical devices, including use cases.</p> |

| Wednesday 20: | | |
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| Q1 | 19. Comm Prod Model for Devices | <p>Gunther Schadow provided an update on common product model.</p> <p>Pay attention to upcoming ballot on Common Product Model! The common product model is harmonized internationally – mostly in the drug area, not much involvement from the devices.</p> <p>Much discussion on DEV's need to have a standard way to bind data at time of point of care.</p> <p>Action: have modelling facilitator (Ioana) map Common Product model and SPL</p> |

| Wednesday 20: | | |
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| Q1 | <p>20. FDA Data Standards Council update (SPL/ICSR/UDI/MDDS ...)</p> <p>21. ISO TC210, 19218 terminology coordination</p> | <p>Terrie Reed presented ongoing FDA work wrt device informatics (see document N0287)</p> <p>Adverse Event Reporting</p> <p>ACTION: Does DEV have a holder for equivalence code? Do have alarm/alert codes that device can communicate. This is a good time to revisit and harmonize to event codes.</p> <ul style="list-style-type: none"> - Melvin or Jan to send Terrie IEEE nomenclature standard for purposes for standards harmonization. - Christof to provide link to Rosetta. HITSP connectivity (RMON and CDC use cases) - DEV WG needs to look at place holder for information model for UDI code (for device to communicate the UDI) <p>Collaborating with other terminology groups – GHTF SG2, ISO 19218 TC210, MeDRA, National library of Med (UMLS), HL7 ICSR r.1 (part of vocab for transmitting electronic AE reports)</p> <p>ACTION – Health informatics (ISOTC 215) needs to provide review input</p> <p>No notes on this topic.</p> |
| Q2 | <p>22. Wrap up of FDA update : RPS</p> <p>23. Security & Context Aware Devices</p> <p>24. -10102 (aECG Terminology) Update</p> | <p>Karin Sailor provided an update on RPS release 3. RPS has covered devices and drugs since Release 1. It covers structure of submission but not content; defines sub-structure for how to track a submission. Release 3 corrects broken links - when there are links in multiple PDF, over time these links get broken (should consider WARM – web access resource management). There is coordination with CDISC but little coordination with ISO TC215 or HL7 DEV. See information on HL7Wiki. See document: http://wiki.hl7.org/index.php?title=Regulated_Product_Submissions</p> <p>DEV's interest is the usage of the device's communicated data...for example waveform. RPS is not at the point of standardizing attachments – RPS is just the carrier at this point.</p> <p>ACTION: Todd to contact ISO215 Chris Chute to ensure involvement in CDISC to HL7 messages project. Coordinate with RCRIM co-chairs. (E-mail sent)</p> <p>Allen Hobbs led discussion on combined approach to security risk of evolving systems. Security group to develop guidelines for security risk assessment as part of a project in which they are collaborating with Kaiser on intelligent device management at the critical care level and home level.</p> <p>Paul Schluter provided update. An implementation guide is available for harmonized ICDO and aECG format. Nomenclature can be published in identically in XML (IDCO work demonstrated at connectathon – HL7 v2 scheme). Demonstrated pacemaker. Paul stated that he needs a free week to finish the work. Best existing documentation in "HL7 implementation guidelines". Based on early V3, note that V3 concepts and methods have evolved since then.</p> |
| Q2 | | |

| Wednesday 20: | | |
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| | 25. -92001 (MFER) Update | <p>Masaaki Hirai presented current status of the following (see document N0288)</p> <ul style="list-style-type: none"> TR11073-92205 – Physiological report using CDA R2 - working draft to be finished May 2010 TR11073-92206 – Conversion from SCP-ECG – draft by Dec 2010 TR11073-92301 – Electrocardiology TR11073-92302 – Long term electrocardiology <p>MFER has been registered in HELICS (Japanese healthcare standard) Recommend that MFER does not become developed to support streaming Related Technical Reports being brought forward through ISO TC 215. Melvin: Likely message from other ISO participants may be that MFER may be acceptable as a file format but for streaming communications of waves maybe should be classic x73</p> |
| Q3 | <p>26. MFER conclusion</p> <p>27. IHE/Continua “WAN” Discussion</p> <ul style="list-style-type: none"> - General CP Review / Discussion - Time Handling Comments - OBX-4 Dotted Notation | <p>ACTION: Send a working group note to Audrey that 92302 Long Term ECG is missing from resolution. Melvin will Pre-empt the formal NWIP distribution .</p> <p>Paul Schluter led a discussion of changes to PCD-01 to support Continua WAN i/f (see document N0289). ACTION: Paul to make the CP available to PCD TC for review prior to ITI meeting (which is two weeks from now).</p> <p>CPS:</p> <ul style="list-style-type: none"> 1A: Universal Service identifier in OBR-4: Agreement on CP John Rhoads has already implemented 1B: Mapping EUI-64 identifiers to HL7 EI : Agreement on CP 2: Open/Closed interval in OBR-7,8: clarify to enable contiguous chunks of time: This is not defined in HL7 v2...see Paul's notes in the N0289. |
| Q4 | <p>28. IEEE 11073-10103 (IDC Terminology) Update</p> <p>29. Continuation of IHE/Continua “WAN” Discussion</p> <p>30. DCM Q5 update</p> | <p>Nick Steblay participated via telecom to lead a review of the final draft of -10103 ACTION: Nick took note of 4 actions to follow up with Kathryn Cush in their upcoming telecom. Question on versioning of document if a new vendor wants to be added into the annex table. Agreement that revision would occur at the lowest practical level.</p> <p>Continuation of discussion of changes to PCD-01 to support Continua WAN i/f (document N0289) ACTION: look at v2 v3 in parallel. NOTE Handling Model Description (get Paul's document) proposed sol'n acceptable in this instance but should not be regarded as a precedent (is this still needed?)</p> <p>From Tuesday Q5 discussion. The devices are...Glucose, respiratory (ventilator), PCA (infusion pump), insulin pump.</p> |
| Q5 | HL7 Networking Reception | |

| Thursday 21: | | |
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| Quarter | Topic | Notes |
| Q1 | <p>31. Continuation of IHE/Continua “WAN” Discussion</p> <ul style="list-style-type: none"> – Time Handling Comments <p>32. IEEE 11073 PHD Weekly TCon</p> | <p>Continuation of discussion led by Paul Schluter – focused on Time Handling comments (see document N0290)</p> <p>Scope is any device in the Continua WAN interface</p> <p>From Todd:</p> <ul style="list-style-type: none"> The Time Coordination proposal should either: <ul style="list-style-type: none"> a) use the AbsoluteRelativeTimeSync data type or b) Explain why this cannot / should not be used <p>Malcolm’s issue for PHD when, through an example: a patient may be on travel, the glucose meter may have one time stamp (from their home) that is different from the time on the patients phone (where they currently are) and the time stamp that is on the server (that may be in India). UTC is a better way to go?</p> <p>Participated in PHD’s weekly TCon led by Doug Bogia</p> <p>Co-meeting with the PHD and the general meeting to occur 1x/year (coordinate with HL7?)</p> <p>See meeting minutes as posted to reflector</p> |
| Q2 | <p>33. Personal Health Devices (PHD) update</p> <p># General PHD update</p> | <p>Doug Bogia presented status report on the general and device-specific projects ongoing in the PHD group (see document N0291)</p> <p>Slide 4- 20601 amendment: the other 30% comments not addressed are tracked (in spreadsheet) as change requests.</p> <p>Report on number of members and amendment going to ballot. Discussion on appropriateness of use of amendment for the amount of material that is amended.</p> <p>Exploring if IEEE can publish a combined version</p> <ul style="list-style-type: none"> -10406 (Basic ECG) under development -10418 (INR) – ballot formation, to go to ballot in Feb 2010 -10419 (Insulin pump) – comment resolution -10420 (Body composition analyzer) – recirculation, draft being revised -10421 (Peak flow) - recirculation, draft being revised -10443 (Physical activity monitor) – draft -10472 (Medication monitor) – submitted to RevCom |

| Thursday 21: | | |
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| Quarter | Topic | Notes |
| Q2 | <p>34. Lower Layer Active Spec Status</p> <ul style="list-style-type: none"> # -30200 # -30300 # -30400 <p>35. PHD update</p> <p>36. X73 Nomen v2.0 Proposal</p> <ul style="list-style-type: none"> • Process & tooling • New term proposals | <p>Malcolm Clark provided the lower layers report (see document N0292) - summarized ongoing work on transport- and related x73 specs, as well as the prospects for extending to other transports such as Zigbee and Bluetooth LE.</p> <p>ACTION: In the next coordination call with Kathryn, need to have working through liaise with PAN (Personal Area Networks)</p> <ul style="list-style-type: none"> -30200 has been submitted to open reaffirmation ballot -30200a amendment in preparation. Todd Cooper suggests that the -30400 generic text be included in this amendment -30300 has passed reaffirmation ballot -30400 to be withdrawn from RevCom and amended to include clause pointing to IEC60601 series and any other standards that might pertain to safety for specific device. Also include pointer to -30200 and 30200a for clinical context of use. <p>---</p> <p>Jan Wittenber provided an update on progress on integrating proposed changes since v1.0 (see document N0293)</p> <p>Slide 7: discussion with NIST on tool set and round trip engineering (RTE) versioning issue –</p> <ol style="list-style-type: none"> 1) Is there agreement to separate the normative (body of -10101) from annexes: meaning -> revise the body of the document and publish, remove annexes and publish them electronically for the purposes of having auditable trace (addendums). What is in the preliminary sections of the annex can be used in the user interface as help. AGREED UPON by those in the room. <p>ACTION:</p> <ol style="list-style-type: none"> a) Jan, John, and Melvin to pull their documentation together (process is documented in ISO IEC electronic maint. Process). b) Create a task group under, Jan's leadership, to create a proposed document for the next meeting c) NIST to investigate creation of resources d) Lisa and Todd to investigate with Besty Humphrey hosting of <ul style="list-style-type: none"> -nomenclature -And of maint. <p>Much work in several areas have generated many new terms that need to be incorporated. Would like to have automatic tool to support process of proposing, checking and agreeing on new terms. Need to ensure that the term explosion is constrained. Harmonization with other nomenclature codes including Snomed</p> |

| Thursday 21: | | |
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| Quarter | Topic | Notes |
| Q3 | 37. IHTSDO / X73 semantic co-ordination - NormativeMapping X73 => SCT | <p>Active co-ordination of Snomed and X73 terms. Snomed database to include source reference for terms. Efforts have been made on incorporating equivalence of terms. Anestheology will provide DEV with a matching SNOMED term or create one (Andrew).</p> <p>ACTION: get an initial set from anaesthesiology. Melvin needs the proper RTM document to get initial set information from anaesthesiology. Establish equivalency of terms in LOINC and SNOMED (Christof) – two separate parallel paths Report on this at RIO meeting</p> |
| | 38. Waveform strategy # MFER, WCM, X73, PHD, Streaming/persistent, (non-) CDA, nomen, "layerings"/architecture, aECG, ... | <p>What to do about this CP: WITHDRAW IT. If we need to have an accurate time (within 1 second) then we can have a separate transactional profile to address this at another time. IHE_ITI_TF6-0_Vol2a_FT_20099-08-10-2 Table 3.1.4-1 Permissible Protocol Selections in the MAINTAIN TIME section.</p> |
| | 39. X73 Nomen CF Export Format | <p>No notes on this subject</p> |
| | 40. Semantic Issues/Action Item Review | <p>No notes on this subject</p> |
| Q4 | 41. Review TC215 WG7 SWG Organization (per discussion to date) | <p>Re-visiting organization structure how to group IEEE work and transfer to ISO ISO TC215 WG7 Devices SWG (special working group) as a means to handle our document work load</p> <ul style="list-style-type: none"> - UL (J. Wittenber) - LL (M. Clarke) - PHD (D. Bagia) - Remainder |
| | 42. 2010 meeting planning | <p>Who will be going to Rio? Not many show of hands. Can we get the work done at the ISO meeting?</p> <p>ACTION: Melvin will petition HL7 Board for, and plan, an out-of-cycle meeting of HL7 Health Care Devices WG plus allied groups, since many will have to miss Rio HL7 Working Group Meetings. Propose to hold the out of cycle meeting in conjunction with IHE meeting in early May.</p> |

| Thursday 21: | | |
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| Quarter | Topic | Notes |
| Q4 | <p>43. Roadmap Review</p> <p>44. HL7 Projects – Lost!</p> <ul style="list-style-type: none"> • DIM => RIM Mapping • SDO Coordination • <GAS A/R CDA> • <PC DCM> <p>45. Final Projects / Action Item Review</p> | <p>Review of the HITSP v0.0.2 Table 6.3 Melvin reported CENTC251 WG4 document on file exch format TS xxx has expired and will be withdrawn. Material to be re-used.</p> <p>Using roadmap table from HITSP Technical Note 905 as most recent roadmapping exercise covering this material. Findings from these meetings largely consistent with that document's roadmap table.</p> <p>First two items (not in brackets) are the lost projects. Get the DIM project rolling and add V2 in (data type model level). Nomenclature part has a separate project. SNOMED mapping is a separate project</p> |

| Thursday 21: | | |
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| Quarter | Topic | Notes |
| Q5 | <p><Prioritize the following topics></p> <p>46. IHE CT-AT CP Proposal</p> <p>47. Integration of PoC Devices & Enterprise Systems</p> <p>48. Device Integration Profile Discussion 80001 & RA Strategy for X73 Stds.</p> <p>49. Personal Health Devices (PHD) update</p> <p># Transport-specific Application Layer I/F & X73 Interfacing</p> <p># Coordination w/ USB & BT & ZB</p> <p>50. NIST ICSGen. Support for Specialization Specifications</p> <p>51. Ventilator Semantics Update</p> <p>52. ICE-PAC review (tbd)</p> | <p>The following items were not covered at the meeting – except where noted below.</p> <p>Issues around setting time for IHE devices. SNTP has insufficient accuracy for some applications and needs specification for alternative methods able to provide accuracy that might be required. This should be NTP.</p> <p>Malcolm Clark's presentation on layers – see document N0294</p> <p>New policy for the group will define level of openness between groups undertaking joint development to ensure equal level of bi-lateral access</p> <p>ICE-PAK presentation – see document N0295</p> |
| | 53. | |

| Friday 22: ISO TC62 /CEN TC215 JWG7 in liaison with ISO TC210 | | |
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| Quarter | Topic | Notes |
| Q1 | 54. With ISO TC215 WG2 | WG7 delegation |
| Q2 | 55. With ISO TC215 WG2 - DICOM | WG7 delegation |
| Q1 | 56. IEC 80001 | 80001-1 comment review + 80001-x Technical Report development |
| Q2 | 57. IEC 80001 | 80001-1 comment review + 80001-x Technical Report development |
| Q3 | 58. IEC 80001 | 80001-1 comment review + 80001-x Technical Report development |
| Q3 | 59. IEC 80001 | 80001-1 comment review + 80001-x Technical Report development |

| Saturday 23: ISO TC62 /CEN TC215 JWG7 in liaison with ISO TC210 | | |
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| Quarter | Topic | Notes |
| Q1 | 60. IEC 80001 | 80001-1 comment review + 80001-x Technical Report development |
| Q2 | 61. IEC 80001 | 80001-1 comment review + 80001-x Technical Report development |
| Q3 | 62. Adjourn | Cooper / Eagles |

Meeting listing overleaf...

Next 'Devices' Meetings (does not include interim project / task meetings):

- * IEEE 11073 PHD group, Feb 8 and 9, 2010, F2F (Contact Doug Bogia re. participation), Qualcomm, San Diego, CA, USA
- * ISO TC215/IEC SC62A JWG7 Meeting February 22-24, 2010, Offenbach, Germany. (near Frankfurt)
- * CEN/TC251 Joint Working Groups April 20-22, 2010, Brussels, Belgium. WGIV is not planning to meet unless issues emerge and require a meeting
- * <ISO/IEC JWG7 in Cambridge (Boston), U.S.A., April 26-29 TBD>
- * ISO TC215 WG7 + IEC SC62A/ISO TC215 JWG7 May 10-14, 2010, Rio de Janeiro, Brazil
- * HL7 Working Group Meeting (ISO TC215 WG7 + IEEE 11073) May 16-21, 2010 - Rio de Janeiro, Brazil
- * CEN/TC251 Plenary meeting, 16 June, 2010, Brussels (part with CENELEC/TC62)
- * 24th Annual HL7 Plenary & Working Group meeting with IEEE11073 and ISO/TC215 WG7, Oct 3-8, 2010 - Cambridge, MA, USA
- * ISO/TC215 Joint working groups. Rotterdam, Netherlands, Oct 10-13, 2010, CEN TC251 WGIV plan meeting here if there is not in April
- * <TBD HL7 WGM Sydney AU 2011.01.09-14>
- * ISO/TC215 Plenary and joint Working Groups, 6-10 June, 2011 Finland