SOA

Monday Q3

Attendees:

Ken Rubin, Vincent McCauley, Mark Kramer, Don Jorgenson

Introductions – Mark Kramer is replacing Gerald Beuchelt from Mitre

Ken Rubin presented the updated SOA Introduction slide deck.

See: http://hssp.wikispaces.com/file/view/2012\_HSSP\_Public\_Slide\_Deck.ppt/335092382/2012\_HSSP\_Public\_Slide\_Deck.ppt

Discussion points:

* Relationship between SOA and IHE
* Relationship SOA to SAIF

Agenda for week revised and confirmed.

Q4

HSSP Project updates

Attendees:

Ken Rubin, Vincent McCauley, Mark Kramer, Don Jorgenson, Craig Stancel, Andy Bond, Peter Gilbert, Steve Hufnagel, Enrique Meneses, Jon Farmer, Galen Mulroney, Ann Wrightson, Mike Rossman

Co-chair elections – Lotti Stefano has put himself forward as a candidate for interim co-chair.

Motion to accept nomination as interim co-chair from Lotti Stefano

Proposed: Ann Wrightson

Seconded: Mike Rossman

Vote 12/0/0

Updates:

1. EHR Service–

Project lead: Steve Hufnagel - Plan to move functional model from Excel to Sparx Enterprise Architecture tooling – MAX Model Automation Export. There is current work for the Sparx tooling to support HL7 profiles.

Functional model has grown from 1,000 to 2,500 conformance criteria.

Some areas have much denser conformance requirements than others e.g. Medication vs immunisation.

Plan to use modelling to add conformance criteria at a higher level applicable to the whole tree with additional conformance points at the leaf level.

It has still not been decided by the HER WG if the information model will be Normative or Informative. If Normative, the model can be used for building conformance criteria for data attributes. Otherwise these will need to be included in the HEHR functional specification.

The EHR functional specification has to go back for re-balloting as version 2 in the next cycle.

Focus to be on key data elements rather than a comprehensive model.

Time line – 18 months starting maybe next quarter

1. X-paradigm Interoperability Implementation for Immunisation

Project lead: Alean Kirnak

See update on HSSP wiki

Ballot comments from last cycle Informative ballot have been reconciled.

Since the last WGM, the applicability of Model Driven Message interoperability – MDMI – has been investigated along with the possibility of incorporation of CDS vMR.

MDMI is looking very promising to allow interoperability at both a platform specific and platform independent level.

1. Privacy, Access and Security Services - PASS

Project lead: Don Jorgenson

1. Access Control Services Conceptual model – DSTU became effective last quarter

There are a number of real-world implementations

1. Audit and Disclosure Service – plan was to extend IHE ATNA to support patient disclosure. This has occurred with IHE adopting this work prior to formalisation in HL7

This work may not proceed as already implemented by IHE

1. Care Coordination Service – see **wiki**.**hl7**.org/index.php?title=Patient\_**Care**

Project lead: Enrique Meneses

Joint project with Decision support and Patient Care

Project initiated at last WGM – Have developed draft Domain Analysis Model for the Care plan model

Input from OMG and IHE.

1. hData

Project lead: Mark Kramer

1. hData Record Format specification
2. RESTful Transportation Specification – RESTful Platform specific binding for RLUS

hData is payload agnostic

Finalised at OMG and DSTU at HL7 – plan to move to normative by end of 2013 as a number of implementation trials are in progress – Telemedicine and Advanced Technology Research Group –TATRC - and HealthInfoNet.

Aligning RESTful implementation of XDS in IHE for mobile implementation.

1. Common Terminology Services- CTS2

Project Lead: Craig Stancel

A model and specification for managing and distributing Terminology.

DSTU at HL7 2010

Balloted at OMG June 2011 – not Healthcare specific – now published.

Currently working on HL7 CTS2 Normative SFM in Vocabulary Committee to be balloted in May 2013

Two new tutorials on CTS2 at HL7 this week

1. SOA Ontology

Project lead: Zoran Milosevic

Wiki contains discussion paper.

Plan – For comment Ballot in May, 2013

Use cases are based on eReferral from Canada and Australia as well as Kaiser Permanente. There is a draft proposed Service metamodel to be discussed this week.

Tuesday Jan 15

Q1

Attendees: Jon Farmer, Ann Wrightson, Andy Bond, Sacha, Bajicic, Zoran Milosevic, Andrew Liu, Michael Rossman, Wang Lijun, Paul Knapp, Ken Rubin, Dale Nelson, Vincent McCauley

SOA Ontology – Zoran Milosevic – see slide deck on HSSP wiki

Current work emphasis is on Service properties, semantics and classification

Using inputs from HL7 SAIF, RM-ODP, SoaML, OASIS Reference Architecture Framework – new, Open Group

Proposed timeline- Draft for peer review April 2013

Ballot for Comment May and for Normative Sept 2013

Tuesday Q3

Immunisation XParadigm – see hssp wiki for presentations

Attendees:

Andy Bond, Zoran Milosevic, Michael Rossman, Ken Rubin, Vincent McCauley, Eric Herson, Stuart Myerberg, Julie Crouse, Arinash Shanbly

Last meeting – completed reconciliation of informative ballot comment.

MDMI to be used to map representations between vMR, V2, IHE/HL7 CDA, FHIR within a SAIF framework of PIM and PSM.

MDMI “referent list” corresponding to PIM and maps to each implementation corresponding to PSM.

The issue remaining is identifying and modelling common Xparadigm behaviour and additionally specify how paradigm specific behaviour needs to be dealt with.

Next steps:

New version of document for Committee for May. Ballot DSTU September

Wednesday Q1

Care Coordination Service Project

Attendees: Vincent McCauley, Ken Rubin, JD Baker, Ann Wrightson, Zoran Milosevic, Michael Rossman, Jon Farmer, Enrique Meneses.

The Care Plan data model developed by the Patient Care committee was presented and discussed.

The Care plan computational model was presented.

An overview of the OMG CMMN Case management specification was presented and its potential mapping to Care plans.

Discussion points:

* Granularity of CMMN may be confusing and abstract – it should be presented as aggregated function based Use Cases.
* The Relationship of Normative vs informative components in both HL7 and OMG was explored
* There is a need for a wider set of use cases about care plan actions across medical, nursing, social work – Ann Wrightson will try to provide some of these.
* Loose coupling to PASS for privacy and security and the HSD for community services may be helpful. The Decision support service will provide the decision support functionality.
* Ability to assign functions to roles and identify functions is required.
* Mandatory service functions should be minimal
* Care needs to be taken with discussions of goals and conditions as what these are is very context sensitive e.g. patient, physician, nurse, social worker

Next steps:

DAM to be completed for May DSTU ballot by PC but will not include the computational model

Committee peer review at May WGM

Service Functional model for care coordination service- plan for September DSTU

Informative ballot for first edition May 2014

Initial use cases – eReferral and development of new services enabling search, lookup, discovery

A service meta-model has been proposed

Discussion:

* Need to consider requirements of Care plan service being developed in parallel by SOA
* There is a need for an implementation guide to address the technical opacity of this work.
* Need to define relationship between business concepts such as content and workflow with data/metadata and coupling
* The service meta-model has business, computation and correspondence viewpoints
* Service classification on three axes – Processing, Application, Infrastructure
* Service governance needs to include service management

Next Steps:

* Agree service meta-model - March 2013
* SOA Health Ontology draft for peer review – May 2013
* Implementations – SAIF implementation guide – eHealth services
* Ultimate goal: OWL processible??? – some concerns were expressed that this may not be possible or worth the effort but may be useful as a “proof-of-concept”

Is a “for comment” ballot in May helpful? It was agreed to target that with an intention to try a DSTU ballot in September.

Q2 Wednesday

SOA Joint with Security

Attendees: Vincent McCauley, Ken Rubin, Mark Kramer, John Moehrke, Trish Williams, Don Jorgenson, Hideyuki Miyshara, Kathleen Connor, Mike Davis, Bernd Blobel, Suzanne Gonzales-Webb

1. PASS Audit Service

Expiring DSTU

FHIR exposing IHE XDA ATNA Audit specification as a FHIR RESTFul resource

This provides query and retrieve capabilities and is compliant with the PASS Audit DSTU specification.

Is this a compelling reason to take the Audit DSTU forward?

Mark Kramer and John Moehrke to look at first draft based on RESTful RLUS specification including identifying an owner with resources and three supporting organisations.

Don Jorgenson to reach out to the Ontario whose audit implementation was based on a RESTful implementation of the DSTU.

John Moerhke will investigate applicability to some current USA tenders .e.g. SAMHSA – Substance Abuse and Mental Health Service Administration.

Mark Kramer will discuss with the FHIR management group and the SOA liaison – David Hay

Security will continue to own this project

Initial step will be a project scope statement

Don Jorgenson will deal with the current DSTU administration loose ends

Project title - “RESTful profile for the PASS Audit Service”

Progress report will occur on a joint call with Security/SOA on Feb 26 14:00 Pacific.

1. Security model for RESTful services and FHIR

IHE is working on a RESTful security model and has established a Googleplus group for this community. This is part of the Mobile Health documents XDS work. The FHIR group are also working with mobile XDS.

1. hData and security

FHIR is using the OMG hData RESTful transport specification standard.

hData Record format specification is an HL7 DSTU which uses a root document root.xml that declares what resources are present at a URL. This is not being used by FHIR.

There are only three comments on the DSTU to be resolved. Continua is using the hData record spec.

Plan:

* Move to hData normative Standard ballot for September and in meantime discuss possibility of harmonisation with FHIR by approaching SOA/FHIR liaison David Hay.
* There are five notable FHIR/hData differences which will be topics of discussion between hData and SOA.

Q4 Wednesday

Hot Topics

Attendees: Craig Stancl, Ana Estelrich, Nicolas Canu, Peter Gilbert, Vincent McCauley, Ken Rubin

1. Common Terminology Services Release 2 - CTS2

OMG Revision Task Force – v1.0 document published in September at [www.omg.org/spec/CTS2](http://www.omg.org/spec/CTS2)

Revision Task Force – RTF - formed to handle maintenance and revision

Comments accepted from public up to 8 Mar 2013. RTF report due May 20, 2013

RTF revision and report deadline June 28, 2013

Question: Can these deadlines be extended? Implementations are still coming on line and it would be good to get their feedback. Plan to extend these dates by 6 month. Craig Stancl to action at OMG.

Implementations in Germany, Czech Republic, ?Columbia, France – PHAST, Mayo clinic

Intent to Ballot as Normative standard in May at HL7.

DSTU published 2009 needs to be reconciled with feedback from two implementation streams. This work is in progress with Ana Esterlich as editor in conjunction with a VOCAB sub-committee.

Minimum functional profiles that comprise a conformant implementation to be reviewed by VOCAB

The OMG implementations involved a few significant changes which caused some concerns within the HL7 Community that has had to be harmonised. Goal is to precisely align OMG and HL7 but there may be time lags between the two groups.

There is a need to avoid the issue of multiple implementation streams in future by making it clear where in the HSSP process the specification is up to and clarifying what each spec.” is” and “is not”.

Action: Next CTS2 SOA call to be dedicated to “lessons learned” from all HSSP Service implementations.

PHAST have aligned their implementation with the MAYO OMG specifications for Read functions and now intend to do this for their complete implementation. This will bring the implementation streams into alignment.

Some ideas on function extensions are emerging with implementation experience.

1. CTS2 logos reviewed

None were agreed - Further ideas to be provided to OMG graphics artist

1. CGIT are revising their guide for conformance testing. It was agreed that the Committee will spend a conference call inserting a section on services for CGIT.

Thursday Q3

Ann Wrightson, Vincent McCauley, Ken Rubin, Frank Oemig, Christof Gessner

CTS2 – Need to develop functional profiles as agreed by VOCAB including conformance requirements.

Add some example profiles

Include table of “what this is” and “what his is not” and state clearly that the DSTU is not a guarantee of interoperability. Also need to include the HSSP development path and indicate where the document is in the path.

The concern was expressed that different implementations are not plug and play wire compatible. The above will address this for the future and current implementations - PHAST, Germany - are converging on the OMG implementation and will be completed in a few months.

Plan – HL7 Germany to cooperate with OMG to hold CTS2 forum at OMG Berlin June 17-21. IHE Pharmacy is holding a meeting Jun 11-21 in the Netherlands.

Q4

CDS

Kensaku Kawamoto, Ken Rubin, Vincent McCauley, Clayton Curtis,

O+O are sponsoring a service for ordering in Pathology and Pharmacy

Setting up three new projects with Pharmacy, CDS

Three services planned - Ordering, Communication – alerting/notification, publish/subscribe

O+O will sponsor ordering, SOA will sponsor Communication and publish/subscribe

Three organisations for these new SOA projects – Arizona State University/Mayo clinic, VA, Standards Australia IT14-13

VA is driving this process.

Emory Fry will lead all three projects.

Ken Rubin wearing HP hat – HP tendering on a non-profit basis for a VA scheduling “contest”

Project statements for all three statements are to be drafted by Emory Fry and circulated to the listserv.

CDS to create sub-list for services to host this work