**HL7 Clinical Decision Support Work Group**  
**Conference Call Minutes:  Infobutton**

**08 Jun 2010, 4-5pm EDT**  
**Author: Guilherme Del Fiol**

**Attendance**:

[ X ] Guilherme Del Fiol (Duke University)

[ X ] Howard Strasberg (Wolters Kluwer Health)

[ X ] Shawn Myers (Healthwise)

[ ] Bob Long (Healthwise)

[ X ] Phil Barr (Thomson Reuters)

[ X ] Evelyn Dickson (Partners Healthcare)

[ X ] Clayton Curtis (VA)

[ ] Chuck Akin

[ ] Nathan Hulse (Intermountain Healthcare)

[ ] Peter Haug (Intermountain Healthcare)

[ X ] Scott Bolte (GE Healthcare)

[ ] Miguel Sanchez (Ebsco)

[ ] Jim Cimino (Clinical center, NIH)

[ ] Kensaku Kawamoto (Duke University)

[ X ] Saverio Maviglia (Partners Healthcare)

[ ] Ray Simkus (Brookswood Practice)

[ X ] Thom Kuhn (ACP)

Discussion items

1. Optional vs. required use of code system and display name attributes in URL-based implementation guide. Offline discussion and present proposal to the group [Strasberg; Del Fiol]
2. Clarify / restrict Atom specification definitions for the knowledge response message specification.
   1. Atom specification: http://tools.ietf.org/pdf/rfc4287.pdf
   2. Use of xml:base attribute
   3. Use of xml:lang attribute (IETF, Section 2): overall consensus that it is a useful attribute to represent content in different languages. The Atom specification allows xml:lang at any text-based element, but we may want to constraint, or at least provide guidance to, the level(s) at which xml:lang should be allowed. Action item: work on examples to help discussion and revisit during next conference call [Del Fiol]
   4. Text content - “type” attribute (IETF, Section 3.1.1) – text | HTML | xhtml | xml: no issues identified; follow Atom specification
   5. Person (Section 3.2) – also organization
      1. Name, uri, e-mail
   6. Dates (Section 3.3)
   7. atom:feed elements (Section 4.1)
      1. Author [1..n] – uses Person construct: Overall consensus that this will capture the organization that maintains / owns the resource. At the feed level, it is very unlikely that authors will be individuals, but still may happen. Action item: work on a proposal to expand structure in order to capture data elements such as type of author (e.g., organization, publisher, individual), short name, long name, etc. [Del Fiol]
      2. Category [0..n] – broad category of content that applies to the entire feed (e.g., drug leaflet, shared-decision making tool). Action item: look into a taxonomy that can be used in this case [Del Fiol].
      3. Contributor [0..n] – potential use is to represent 3rd party content, i.e. content is delivered by a specific resource provider, but created by a different group
      4. Generator [0..1] – follow Atom specification
      5. Icon [0..1] – follow Atom specification
      6. Id [1..1] – the Atom specification indicates that implementers MUST create Ids using the IRI specification. Action item: look into that specification and bring details to the group [Del Fiol].   
           
           
         Items to be discussed in the next conference call
      7. Link [1..n]
         * 1. SHOULD contain one link to the feed itself (rel=”self”)
           2. MAY have additional link elements with rel=”alternate” that provides access to equivalent content in other languages (hreflang attribute) or formats (type attribute)
           3. MAY have other links beyond the above
           4. Attributes: href, rel, type, hreflang, title, length, other undefined
           5. “type” - format of content pointed by the URI
           6. “rel” - link relation type. “alternate” = alternative version (e.g., other language or format); “related” = other relevant/related resource; “self” = equivalent resource; “via” full-text source of the content
           7. hreflang = language of the resource
           8. length = text length of the resource
      8. Logo [0..1]
      9. Rights [0..1]
      10. Subtitle [0..1]
      11. Title [1..1] – user-friendly description of the resource that provided the feed
      12. Updated [1..1]
      13. ExtensionElement
   8. atom:entry
   9. Author [1..n] – uses Person construct
   10. Category [0..n] – classification of the entry
       1. MUST have “term” attribute (equivalent to HL7 code)
       2. May have “scheme” attribute (HL7 code system)
       3. May have “label” attribute (HL7 display name)
       4. MAY content additional undefined content
   11. Content [0..1] – if not present MUST have link element with rel=”alternate"
       1. MAY use text, html, xhtml, MIME, URI
       2. MAY have src attribute pointing to external URI. In this case, content MUST be empty
       3. MAY use xml:lang
   12. Contributor [0..n] – uses Person construct
   13. Id [1..1]
   14. Link [1..n] – same as atom:feed Link element
   15. Published [0..1] – date content was first published
   16. Rights [0..1] – copyright info
   17. Source [0..1]
   18. Summary [0..1] – mandatory if content is a non-text MIME media type or if content is a URI; MAY use xml:lang
   19. Title [1..1]
   20. Updated [1..1]
   21. ExtensionElement

Action Items from previous call

1. Submit reconciliation spreadsheet to voters [Del Fiol] - Done.
2. Publication of knowledge request spec as normative standard
   1. Apply the changes to the specification discussed as part of the ballot reconciliation
   2. Request publication as a normative standard [Del Fiol] - Done
3. Resume discussion of Infobutton DSS specification – Ongoing

Next conference call: Tuesday, June 15th 4-5pm EDT

- Will have weekly conference calls for the next 3-4 calls to finalize specification in time for September cycle