Setting the stage

 Equip WG to:

1. Communicate need and basic use case for Consolidated CDA (C-CDA)
2. Outline C-CDA implementation concerns
3. Locate HL7 support avenues
4. Discuss additional areas for improving interoperability with C-CDA
Presenter

Brett Marquard

– Principal, River Rock Associates
– Extensive EHR experience
– Co-Chair of HL7 Structured Documents Work Group (SDWG)
  • Primary author for Consolidated CDA Templates (C-CDA) R1.1/R2
  • Co-editor of new CDA on FHIR, and Data Access Framework (DAF) initiatives
– brett@riverrockassociates.com

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The ‘situation’ (C32)

C-CDA
Key Participants

Approximately 140 volunteers participating in weekly calls and offline work
HL7 Consolidated CDA IG R1.1

• C-CDA
• July 2012, Draft Standard for Trial Use
• 9 document templates:
  - Continuity of Care
  - Consultation Note
  - Diagnostic Imaging Report
  - Discharge Summary
  - History and Physical (H&P) Note
  - Operative Note
  - Procedure Note
  - Progress Note
  - Unstructured Document

• 60 document sections
• 82 entry templates
• Containment Tree and Used By Tree
Sweet Spot of Document and Messages

- Documents enable information exchange across institutions, snapshot in time

- Messages (V2/V3) enable exchange within an institution
C-CDA R2 by the numbers

• 12 Documents (+3 over R1.1) +1 new header template
• 71 Sections (+11)
• 109 Entries (+27)
• 8 templates deprecated
• 108 templates versioned – all marked with V2
• 1,000+ ballot comments
Additions available in C-CDA R2

- Document types
  - Care Plan including Home Health Plan of Care
  - Referral Note
  - Transfer Summary
- Patient Generated Document header template
- Tighter constraints and new template versioning strategy
Where are implementations struggling?
Issues in the field

• **Inconsistent implementation**¹
  – Structure
  – Inappropriate terminology
  – Variability in communicating the same information

• Appropriate use of document types
  – ‘Everything’ is a Continuity of Care Document (CCD)
  – Send me the last 5-years

• Change is coming (C-CDA R2)²...

¹http://jamia.oxfordjournals.org/content/jaminfo/21/6/1060.full.pdf
Improve C-CDA implementation

- Make it mandatory that every vendor be capable of displaying any CDA document
- More examples
- Test by data domain
  - Confirm 100% conformance with a set of Problem List scenarios before moving to next domain
  - C-CDA documents contain an enormous amount of data and it’s easy to get lost coding ‘everything’
  - Test against approved examples
- Publish value sets in a public repository (VSAC – in progress)
- Provide a public place to collect issues
- Tighter constraints
HL7 Support

• HL7 Structured Documents Work Group (SDWG) is responsible for CDA
  – Meets weekly for current ongoing projects
  – Public calls
  – ~25 participants a week
• SDWG examples task force
  – Present your issue and proposal for review
  – 30+ approved authoritative samples
• Help Desk
Measure (score) progress

“If you cannot measure it, you cannot improve it.”

Lord Kelvin (1824-1907)
Questions

Thank you

Brett@riverrockassociates.com
## Upcoming FACA Milestones

<table>
<thead>
<tr>
<th>2014 Q4</th>
<th>2015 Q1</th>
<th>2015 Q2</th>
<th>2015 Q3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oct</td>
<td>Nov</td>
<td>Dec</td>
<td>Jan</td>
</tr>
</tbody>
</table>

- **2014 Q4**
  - Joint HITPC/HITSC Meeting

- **2015 Q1**
  - All workgroups kicked off
  - Interoperability Roadmap Recs prior to posting for comment
  - Federal HIT Strategic Plan Posted for Comment

- **2015 Q2**
  - Interoperability Roadmap Posted for Comment and charge WG’s with responding
  - FACA HIT Strategic Plan Comments

- **2015 Q3**
  - FACA Interoperability Roadmap Comments

### (estimate)
- HITPC comments on MU3 NPRM
- HITSC comments on Certification NPRM

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- **Kick-off**
- **Federal Milestone**
- **FACA Milestone**
HITSC Workgroups and Chairs

- **Health IT Standards Committee**
  - Chair: Jon White
  - Vice Chair: John Halamka

- **Steering Committee**
  - Chair: Jon White
  - Co-chair: John Halamka

- **Semantic Standards**
  - Co-chair: Jamie Ferguson
  - Co-chair: Becky Kush

- **Content Standards**
  - Chair: Andy Wiesenthal
  - Co-chair: Rich Elmore

- **Transport and Security Standards**
  - Chair: Dixie Baker
  - Co-chair: Lisa Gallagher

- **Architecture, Services & APIs**
  - Chair: David McCallie
  - Co-chair: Arien Malec

- **Implementation, Certification & Testing**
  - Co-chair: Liz Johnson
  - Co-chair: Cris Ross

*Task Forces may be formed for specific work assignments*
## Meetings Task

<table>
<thead>
<tr>
<th>Date</th>
<th>Task</th>
</tr>
</thead>
<tbody>
<tr>
<td>November 24, 2014, 11:00 ET</td>
<td>• Consistent implementation of the CCDA to support interoperability</td>
</tr>
<tr>
<td></td>
<td>• EHRA presentation</td>
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<tr>
<td>December 12, 2014, 11:00 ET</td>
<td>• Consistent implementation of the CCDA to support interoperability</td>
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<tr>
<td>January 15, 2015, 11:00 ET</td>
<td>• Interoperability Roadmap background and context (Tentative)</td>
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<tr>
<td>February 4 or 10 (TBD), 2015 – HITSC Meeting</td>
<td>• Charged by HITSC with responding to the Interoperability Roadmap V.1</td>
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<tr>
<td>Feb 18, 2015, 11:00am EST</td>
<td>• Overview of Interoperability Roadmap V.1 and prepare to comment</td>
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<tr>
<td>February 25, 2015 – HITSC Meeting</td>
<td>• TBD</td>
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<tr>
<td>March 18, 2015 – HITSC Meeting</td>
<td>• Charged by HITSC with commenting on Certification NPRM</td>
</tr>
<tr>
<td>March 20, 2015, 2:00pm EST</td>
<td>• Finalize comments on Interoperability Roadmap V.1</td>
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<tr>
<td></td>
<td>• Overview of Certification NPRM and prepare to comment</td>
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<tr>
<td>April 22, 2015 – Joint HITPC/HITSC meeting</td>
<td>• Interoperability Roadmap V.1 comments to the HITSC</td>
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<tr>
<td>Schedule WG meeting for last week in April</td>
<td>• Comment on Certification NPRM</td>
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<tr>
<td>Schedule WG meeting for 2nd week in May</td>
<td>• Finalize Certification NPRM comments</td>
</tr>
<tr>
<td>May 20, 2015 – HITSC Meeting</td>
<td>• Certification NPRM Comments to the HITSC</td>
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## Content Standards

### Draft Workplan

<table>
<thead>
<tr>
<th>Tasks</th>
<th>Start Date</th>
<th>Due Date</th>
<th>2014</th>
<th>2015</th>
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<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>Nov</td>
<td>Dec</td>
</tr>
<tr>
<td>Workgroup Kick-Off</td>
<td>10/22/2014</td>
<td>10/22/2014</td>
<td></td>
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<tr>
<td>Comment on published version of <em>Interoperability Roadmap TBD</em></td>
<td>TBD - Q1</td>
<td>TBD - Q1</td>
<td></td>
<td></td>
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<tr>
<td>Comment on <em>Certification NPRM TBD</em></td>
<td>TBD - Q1</td>
<td>TBD - Q1</td>
<td></td>
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</tr>
</tbody>
</table>

*HITSC Workplan - Last Updated December 7, 2014*