



Virginia Information Technologies Agency

COV-HIE Topic Report – Next Steps

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The Issue

- The COV-HIE Topic Report refers to HITSP Capabilities (e.g., HITSP Cap 119)
- The HITSP Capabilities generally list either specifications with their associated standards or standards with (possibly) associated versions
- Many of the listed standards are out of date



Example: HITSP Capability 119

- COV-HIE Topic Report:
 - **“HIE-R-07:** The COV-HIE shall support clinical summary exchange for care coordination and patient engagement: adherence to HITSP Capabilities 119 and 120 as the basis for interoperability of patient documentation (structured and unstructured).”
- Enterprise Architecture Standard (ITRM Standard EA225-07, April 04, 2011):
 - **“HIE-R-07 Clinical summary exchange** – the COV-HIE shall support clinical summary exchange for care coordination and patient engagement: adherence to HITSP Capabilities 119 and 120 as the basis for interoperability of patient documentation (structured and unstructured).”



Example: HITSP Capability 119

- HITSP Capability 119 - Communicate Structured Document (CAP119) lists:
 - 45 Selected Standards (“standards selected as relevant to this Capability ”)
 - 1 Informative Reference Standards (“reference standards that inform the overall semantic interoperability ”)



Example: HITSP Capability 119 (cont.)

- Of the 46 standards cited by CAP119:
 - 21 (46%) either use the most recent version or have no version listed
 - 24 (52%) have changed since referenced in CAP119
 - 1 (2%) has an incorrect reference



Example: HITSP Capability 119 (cont.)

- Incorrect Reference:
 - “Organization for the Advancement of Structured Information Standards (OASIS) Simple Object Access Protocol (SOAP) Version 1.2”
 - SOAP is a World Wide Web Consortium (W3C) standard, not an OASIS standard
 - Most recent version is 1.2

Example: HITSP Capability 119 (cont.)

- Change: Standard is Obsolete or Withdrawn

Standard Reference	Change
<p>Internet Engineering Task Force (IETF) Network Time Protocol (Version 3) Specification, Implementation and Analysis, "Request for Comment" (RFC) #1305, March, 1992</p>	<p>Obsolete. See RFC 5905 (2010-06)</p>
<p>Internet Engineering Task Force (IETF) Simple Network Time Protocol (SNTP) Version 4, "Request for Comment" (RFC) #2030, October, 1996</p>	<p>Obsolete. See RFC 5905 (2010-06) (via RFC 4330 Errata)</p>
<p>ASTM E1987: Standard Guide for Individual Rights Regarding Health Information" [in TN900 Security and Privacy]</p>	<p>Withdrawn</p>



Example: HITSP Capability 119 (cont.)

- Change: Standards Approved/Published (examples)

Standard Reference	Change
International Organization for Standardization (ISO) Health Informatics – Functional and Structural Roles (ISO SF Roles), Technical Specification #21298, Draft May, 2007	Published as ISO/TS 21298:2008
Organization for the Advancement of Structured Information Standards (OASIS) WS-Federation Web Services Federation Language (WS- Federation), Version 1.2 Committee Draft 01 June 23 2008	Approved as a standard May 2009
Organization for the Advancement of Structured Information Standards (OASIS) Cross-Enterprise Security and Privacy Authorization (XSPA) Profile of eXtensible Access Control Markup Language (XACML) for Healthcare, Committee Draft, 14 October 2008	Approved as a standard November 2009



Example: HITSP Capability 119 (cont.)

- Change: Updated Version/Release (Non-IHE examples)

Standard Reference	Change
ASTM International Standard Guide for Electronic Authentication of Health Care Information: # E1762-95(2003)	Updated E1762 - 95(2009)
ASTM International Standard Specification for Audit and Disclosure Logs for Use in Health Information Systems: # E2147-01	Updated E2147 - 01(2009)
Health Level Seven (HL7) V3 RBAC, R1-2008 , HL7 Version 3 Standard: Role Based Access Control (RBAC) Healthcare Permissions Catalog, Release 1, February 2008	Updated release ANSI/HL7 V3 RBAC, R2-2010



Example: HITSP Capability 119 (cont.)

- Change: Updated Version/Release (IHE examples)

Standard Reference	Change
Integrating the Healthcare Enterprise (IHE) IT Infrastructure Technical Framework (ITI-TF) 2007-2008 Trial Implementation Supplement Cross-enterprise Document Reliable Interchange (XDR) Release 3	Not a supplement in Revision 7.0 (August 10, 2010)
Integrating the Healthcare Enterprise (IHE) IT Infrastructure Technical Framework (ITI-TF) Revision 2.0 XDM Supplement	Not a supplement in Revision 7.0 (August 10, 2010)
Integrating the Healthcare Enterprise (IHE) IT Infrastructure Technical Framework (ITI-TF) Revision 4.0 - Registry Stored Query Transaction for XDS Profile Supplement [ITI-18]	Revision 7.0 available as of August 10, 2010



Recommendations

- Until ONC issues something to replace or supplement HITSP Capabilities:
 - Maintain a current listing of relevant standards in an Enterprise Standards Repository; include cross-references and links to point from outdated HITSP references to currently applicable standards
 - Add language to the Enterprise Architecture Standard (which incorporates the COV-HIE Topic Report) referring to the Commonwealth's Enterprise Standards Repository as the authoritative source for currently applicable versions
- Re-evaluate approach when/if ONC supersedes HITSP Capabilities



Recommendations (cont.)

- Current EA Standard language:

“The following are HITSAC’s initial architectural requirements for the COV-HIE. State agencies, within the Executive Branch, shall comply with these requirements in connecting to the COV-HIE. The current requirements are organized into four sub-topic areas:

1. Interoperability
2. Technical Infrastructure
3. Data
4. Privacy and Security”

- Propose adding:

“Where a requirement refers to a “HITSP Capability” or “HITSP Capabilities,” the current versions of the associated applicable national or international standards may be found in the Commonwealth Enterprise Standards Repository (see *insert link here*).”