The Interoperability Standards Advisory: Engaging with Stakeholders to Advance Interoperability

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What is the ISA?

• A single, public list of the standards and implementation specifications that can best be used to address specific interoperability needs.

• Reflects the results of ongoing dialogue, debate, and consensus among industry stakeholders.

• Document known limitations, preconditions, and dependencies as well as other helpful information.
ISA Content

- Introduction
- Section I: Vocabulary/Code Set/Terminology
- Section II: Content and Structure
- Section III: Services
- Section IV: Models and Profiles
- Section V: Administrative

» Under each section, there are Subsections with various Interoperability Needs

» Specific standards and implementation specifications support each Interoperability Need
• Characteristics and other helpful information for each standard and implementation specification
  » Standards Process Maturity
  » Implementation Maturity
  » Adoption Level
  » Federally Required
  » Cost
  » Test Tools
  » Limitations, Dependencies, Preconditions and Other Qualifying Information
  » Applicable Value Set(s) and Starter Set(s) and Security Patterns

• Appendixes for “Sources for Privacy and Security Standards” and Educational / Informational Resources
# Electronic Transmission of Reportable Lab Results to Public Health Agencies

<table>
<thead>
<tr>
<th>Type</th>
<th>Standard Implementation/Specification</th>
<th>Standards Process Maturity</th>
<th>Implementation Maturity</th>
<th>Adoption Level</th>
<th>Federally required</th>
<th>Cost</th>
<th>Test Tool Availability</th>
</tr>
</thead>
<tbody>
<tr>
<td>Standard</td>
<td>HL7 2.5.1</td>
<td>Final</td>
<td>Production</td>
<td>3 0 0 0</td>
<td>Yes</td>
<td>Free</td>
<td>No</td>
</tr>
<tr>
<td>Implementation Specification</td>
<td>HL7 Version 2.5.1: Implementation Guide: Electronic Laboratory Reporting to Public Health (US Realm), Release 1 with Errata and Clarifications and ELR 2.5.1 Clarification Document for EHR Technology Certification</td>
<td>Final</td>
<td>Production</td>
<td>4 0 0 0</td>
<td>Yes</td>
<td>Free</td>
<td>Yes</td>
</tr>
</tbody>
</table>

### Limitations, Dependencies, and Preconditions for Consideration

- Stakeholders should refer to the health department in their state or local jurisdiction to determine onboarding procedures, obtain a jurisdictional implementation guide if applicable, and determine which transport methods are acceptable for submitting ELR as there may be jurisdictional variation or requirements.

- Note the Public Health Profile as specified in the *HL7 Version 2.5.1 Implementation Guide: S&I Framework Laboratory Results Interface Implementation Guide, Release 1 DSTU Release 2 - US Realm* is harmonized with the Lab US Realm suite of Implementation Guides and improves on the ELR emerging implementation specification. Both are scheduled for revision in the HL7 January 2017.

- See HL7 V2 projects in the Interoperability Proving Ground.

### Applicable Security Patterns for Consideration

- **Secure Communication** – create a secure channel for client-to-server and server-to-server communication.

- **Secure Message Router** – securely route and enforce policy on inbound and outbound messages without interruption of delivery.

- **Authentication Enforcer** – centralized authentication processes.

- **Authorization Enforcer** – specifies access control policies.

- **Credential Tokenizer** – encapsulate credentials as a security token for reuse (e.g., SAML, Kerberos).

- **Assertion Builder** – define processing logic for identity, authorization and attribute statements.
How should the ISA be used?

- Stakeholders who administer government and non-governmental procurements, testing, certification or grant programs to look first to the ISA to meet their interoperability needs.

- The ISA and their associated informative characteristics are also available to help more fully inform policy.
New Process

- The web-based version of the ISA is updated frequently throughout the year, as new comments from stakeholders come in or as changes occur, with a call for comments in Fall timeframe.

- Specific SMEs have ownership of subsections of the ISA that are empowered to analyze public comments and make changes as necessary.

- ONC will annually publish a static “Reference Edition” of the ISA that can be referenced in contracts, agreements, or as otherwise needed with certainty that the information will not change.

  » ONC is currently reviewing comments received in advance of 2018 Reference Edition publication.
Various Changes to the ISA in 2017

**Functionality**
- Advanced search and filter of ISA contents (various characteristics)
- Subscribe to alerts for when changes are made to the ISA
- Capture more information about experiences with the standards
- Ability to “suggest” new Interoperability Needs for addition
- Mobile-optimized site navigation
- Print-friendly features at page/full ISA level
- Revision history available at page level.

**Content**
- Better addressing interoperability needs for Consumer/Patient Access
- Addition of Administrative Standards
- Continued growth expansion of interoperability needs
- Improve upon how privacy and security is addressed
Live ISA Overview

• www.healthIT.gov/ISA
Panel Discussion

• Christina Caraballo, MBA, Director of Healthcare Transformation, Get Real Health
• Lorraine Doo, Senior Policy Advisor, National Standards Group, Office of Enterprise Information, Centers for Medicare and Medicaid Services (CMS)
• Mari Greenberger, MPPA, Director of Informatics, HIMSS
Find the ISA at:
https://www.healthit.gov/ISA

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