eDOS Electronic Directory of Services
Test Compendium Framework and Laboratory Order Interface
Implementation Guide (IG)
Standards and Interoperability Framework Initiative (ONC)

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Talent is only the flame, genius is the fire.

~ John Reyes
Overview

• How are they related to the LRI IG
• How does eDOS and LOI IG manage orders
• What is it based on V2.5.1 or is there more
• What are the anticipated outcomes
• Where to find these documents
Same IG Approach with message profiles as LRI IG

- XO Profile: All optional fields changed to not used
- NB Profile: Newborn screen requirements

Profiles:
- NG Profile
- RU Profile
- LOI IG Basic Message Profile
- eDOS IG Basic Message Profile
- LRI IG Basic Message Profile
- GU Profile
- RN Profile
- LOI IG Basic Message Profile
- eDOS IG Basic Message Profile
- LRI IG Basic Message Profile
How does it work

eDOS

The Order

AOE

OBX id and descriptions
With result requirements

HL7 Message
(ORU, OML)

OBR-4 Universal Service Identifier

Collect appropriate Specimen

Collect Specimen For Order

Send to Lab

Order Codes

Specimen Requirements

Collect Specimen
For Order

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What is it?

• Laboratory Order Interface Implementation Guide (LOI IG)
  – Aligned with LRI IG for the round trip circuit
  – Aligned with eDOS to drive the order requirements from additional data that needs to be captured and other critical pieces
  – Uses the same conformance parameters as the LRI IG at message, segment, and field level

• Test Compendium Framework Implementation Guide (eDOS IG)
  – Based on HL7’s chapter 8 – Master file updates
  – Constrains the messages and segments to those needed to message those tests offered by a laboratory
  – Includes description, specimen requirements, transport temperature, CPT codes, components of the test (analytes), data needed for testing (Ask at Order Entry [AOEs] analytes), and many other information
  – It is the electronic delivery of the Directory of Service (eDOS) using a known standard – HL7
  – Expected to provide the initial DOS as well as incremental updates throughout the life of the relationship with the lab
  – Provides the ability to identify where tests are normally performed, either by the providing lab or the outsource lab (for esoteric work)
  – Development lead by leading laboratories
    • Had public comment period for review prior to HL7 Informative Ballot in 2011
    – Numerous update proposals submitted to V2.8 and early adopted into the IG
What standard is supported

• HL7 version 2.5.1 with early adopted updates made to 2.7.1, 2.8 and 2.8.1
  – Consistent with the Standards and Interoperability Framework Initiatives (S&I Framework) Lab Results Interface (LRI IG) and Lab Orders Interface (LOI IG) guides
  – As with S&I Framework guides, eDOS identifies items adopted from future HL7 versions in the guide
  – HL7 is maintaining an errata table for future update to the guide following the Orders/Observations Work Group change process
Anticipated Outcomes

• Laboratory Order Interface Implementation Guide (LOI IG)
  – A companion guide to the Lab Results Interface Implementation Guide
  – Better interoperability between the order and results delivery
  – Better integration with the download of the lab Directory of Services through eDOS IG through to delivery of the outcome of the results of the tests through the LRI IG
  – Building on solid conformance parameters constructed in the LRI IG

• Test Compendium Framework Implementation Guide (eDOS IG)
  – Physicians will have a better and more up to date test directory of lab services
  – Changes to tests will be automated and available to the physicians more timely
  – Research of appropriate tests for a disease state will be easier
  – Outdated tests will be made inactive quicker
  – Physicians will have guidance on test procedure available on-line while they are looking at the patient information
The Guides

- The guides can be found at:
  - WWW.HL7.org / Standards / Implementation / Laboratory

The eDOS – IG at:

The LOI – IG at:
Only in the midst of challenging moments do you find your inner strength.

~ unknown author

Questions?

Change will not come if we wait for some other person, or if we wait for some other time. We are the ones we’ve been waiting for. We are the change we seek.

~ Barack Obama