

IICC/IHE LAW Profile Connectivity Demonstration

IICC Demonstration Schedule



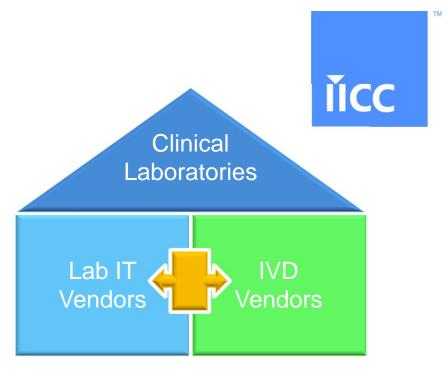
Tuesday, July 28 2:00pm

Wednesday, July 29 10:00am, 2:00pm

Thursday, July 30 10:00am

What is IICC About?

- IICC is a global nonprofit organization founded by leading laboratory vendors and healthcare providers
- IICC's mission is to modernize connectivity between laboratory IT systems and analyzers
- IICC's goal is to enable clinical laboratories to achieve more and spend less



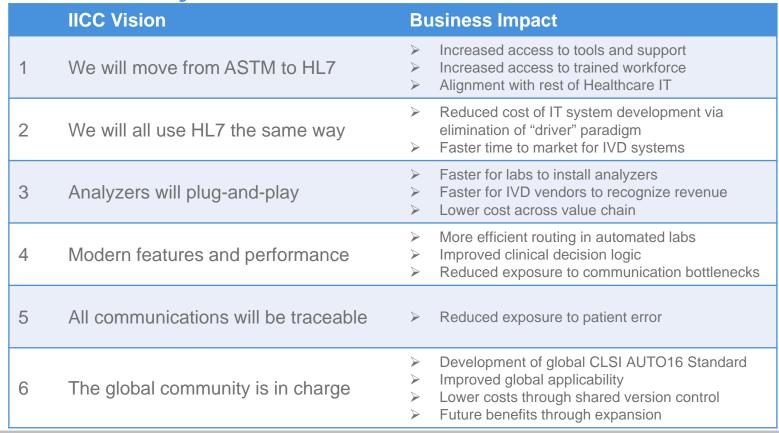
Mission: "To create and ensure adoption of an interoperable connectivity paradigm to reduce the complexity and variability of data exchange between IVD testing systems and healthcare informatics systems"

What is the IHE LAW Profile?

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- Laboratory Analytical Workflow
- Developed by the IHE Laboratory Domain with support from IICC
- Included as part of the IHE Laboratory Technical Framework for laboratory interoperability
- Captures the IICC vision for the modernization of analyzer and IT system connectivity

Summary of Benefits



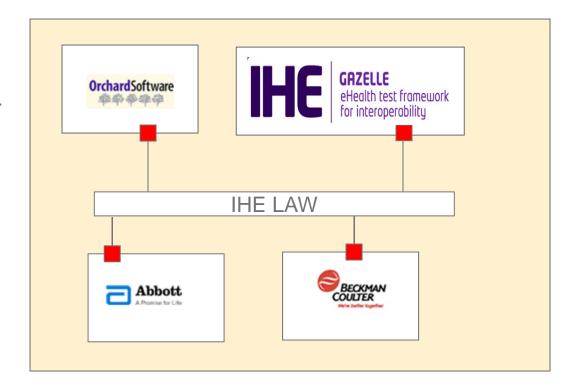


IVD Industry Connectivity Consortium

IICC Demonstration



Analyzer Manager



Analyzer

Connectivity Summary

- Participants
 - Abbott and Orchard are demonstrating in the booth
 - Beckman Coulter is demonstrating from their company site in Minnesota with the cloud-based IHE Gazelle Order Manager simulator
- Coordination Required for Connectivity
 - Network information
 - LOINC for test codes
 - LAW Options used by the Analyzer



LAW Connectivity Maturity



- Successful testing at LAW Virtual Connectathon held earlier this month
 - Abbott (Analyzer)
 - Beckman Coulter (Analyzer)
 - Orchard (Analyzer Manager)
 - Siemens (Analyzer)
 - Omnilab (Analyzer Manager)
 - Inpeco (Analyzer Manager)
- IHE Gazelle provided cloud-based testing infrastructure

Abbott

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- A Clinical Chemistry instrument
- Supports the following LAW options:
 - Bi-direction communication (LAW_BIDIR)
 - Query All (LAW_QUERY_ALL)
 - Contributing Substances (LAW_CONTRIB_SUB)
 - Dilutions (LAW_DILUTIONS)
 - Patient Demographics (LAW_PAT_DEM)
 - Reflex (LAW_REFLEX)
 - Rerun (LAW_RERUN)

Beckman Coulter

- A Hematology instrument
- Supports the following LAW options:
 - Bi-direction communication (LAW_BIDIR)
 - Patient Demographics (LAW_PAT_DEM)
 - Reflex (LAW_REFLEX)
 - Rerun (LAW_RERUN)
 - Contributing Substances with Specimen Role is QC (LAW_CONTRIB_SUB)
 - AWOS Priority (LAW_AWOS_PRIORITY)
 - Specimen Details (LAW_SPECIMEN)
 - Images Sent as LAW Supplemental Results (S_IMAGE)



Orchard

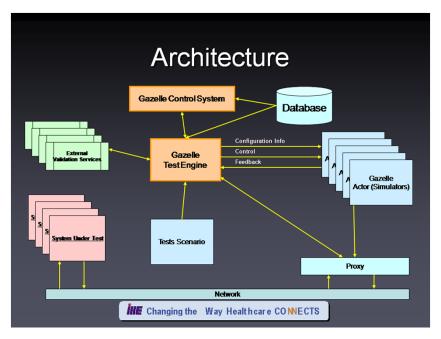


- A Laboratory Information System (LIS)
- Supports all required LAW message components, which includes the options used by Abbott and Beckman Coulter

Gazelle

- Gazelle is the tool used for testing at IHE Connectathons
- Gazelle tools are freely available from the cloud/online/Internet
 - Tools are available 24x7
 - Tools are supported by IHE
- Gazelle supports all LAW transactions and options





Demonstration Objectives

- ĬICC
- Tracing of Work Requested to Work Performed
- 2. Semantic Understanding of Work Performed
- 3. Variability of Instrument Capabilities
- 4. Support from IHE Gazelle Tools

Demonstration



- Analyzer rejection of Analytical Work Order Step (AWOS) Request (Abbott and Orchard)
- 2. Analyzer Reflex (Abbott and Orchard)
- Analyzer Rerun (Beckman Coulter and Gazelle Order Manager)
- Analyzer Options

Thank You!

Important Links

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- IHE Laboratory Wiki
- http://wiki.ihe.net/index.php?title=Laboratory
- LAW Wiki
- http://wiki.ihe.net/index.php?title=Laboratory Analytical Workflow
- LAW Supplement for Trial Implementation
- http://www.ihe.net/Technical Framework/upload/IHE LAB Suppl LAW.
 pdf
- IICC Website
- http://www.ivdconnectivity.org/