



RSNA Image Share Validation Testing



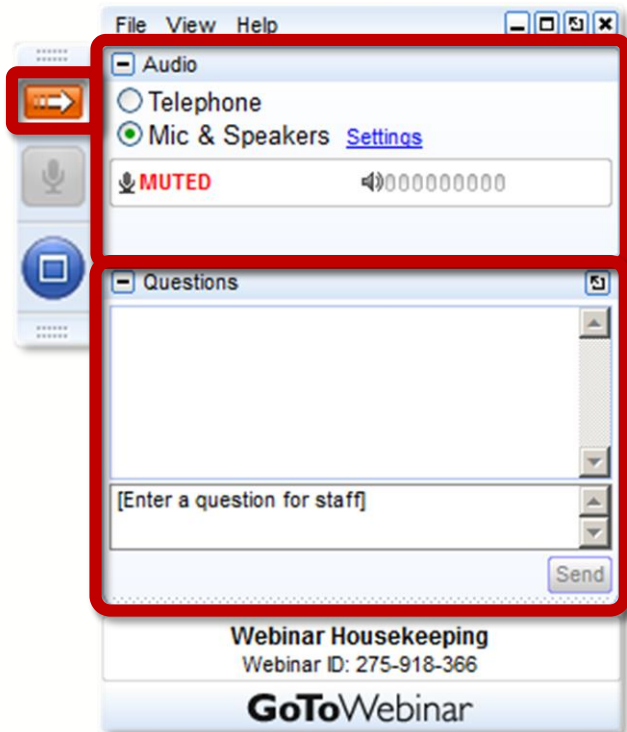
An initiative of the sequoia project

Meet Today's Presenter



Didi Davis
Director, Testing Programs
The Sequoia Project

How Do I Participate Today?



Your Participation

Open and close your control panel

Join audio:

- Choose “Mic & Speakers” to use VoIP
- Choose “Telephone” and dial using the information provided

Submit questions and comments via the Questions panel

Note: Today’s presentation is being recorded and will be provided within 48 hrs

Problems or Questions? Contact Dawn Van Dyke

dvandyke@sequoiaproject.org or 703.864.4062



Overview

- Current Scope of Sequoia's Efforts
- What is the RSNA Image Share Validation
- Why image sharing matters?
- Aligns with ONC Mission and Priorities
- Foundational Standards for Image Validation
- Image Sharing Barriers
- Who Should Participate?
- Benefits of Validation to Patients and Providers
- Validated Vendors
- How to get started?
 - Participant Fees
 - Application
 - Testing Agreement

Current Scope of Sequoia Project

Independently Governed Initiatives

eHealth Exchange™

carequality



RSNA® Image Share
VALIDATION

Sequoia Sponsored Work Activities

- Testing constrained C-CDAs
- Patient Matching
- FHIR-Based Directory



What is the RSNA Image Share Validation

- The Image Share Validation Program provides a conformity assessment program that sets the standard for consistency in the marketplace.
- The Image Share Validation Program tests the compliance of vendor systems using quality standards determined most effective for accurate and efficient exchange of medical images.
- The RSNA Image Share Validation Program benefits patients and providers with improved efficiency, reduced costs, enhanced quality of care, and standards-based interoperability to spur innovation.



Why Image Sharing Matters

- Enables Patient Access/Workflows
- Benefit of historical exam during interpretation
- Concerns about cost of imaging over-utilization
 - Redundant exams ordered when recent exams are not accessible
- Radiation exposure – reduce unnecessary patient risk due to redundant exams
- Quality
 - Better, more efficient care through easy availability of imaging examinations



Aligns With ONC Mission and Priorities

The Office of the National Coordinator for
Health Information Technology

MISSION AND PRIORITIES

FEDERAL HEALTH IT MISSION

Improve the health and well-being of individuals and communities through the use of technology and health information that is accessible when and where it matters most.

2017-2018 ONC PRIORITIES

ONC will work to make health information more accessible, decrease the documentation burden, and support EHR usability under 21st Century Cures and MACRA.

The Office of the National Coordinator for
Health Information Technology

ONC 2017-2018 PROJECTED OUTCOMES

	PATIENT	PROVIDER	COMPETITIVE MARKETPLACE
Interoperability	Movable health records to shop for and coordinate care	Ability to efficiently to send, receive, and analyze data	Improved data flow standards Accessible API's
Usability	Lower cost of care through greater provider efficiency More eye contact with providers	Burden reduction: <ul style="list-style-type: none"> • Less wasted time • Less hassle 	Ability to support new business models and software applications

Steve Posnack, MS, M.H.S

Director of Standards & Technology - ONC

"2017 ONC Activities and Future Perspectives"

HL7'S 31ST ANNUAL PLENARY & WORKING GROUP MEETING



Foundational Standards for Image Sharing and Validation



- Ontologies - RadLex, SNOMED-CT
- DICOM medical imaging standards
- HL7 messaging and FHIR (Fast Healthcare Interoperability Resources)
- IHE-Integrating the Healthcare Enterprise
 - [Radiology Technical Framework](#)
 - Organizes the existing standards into practical, efficient workflows

<https://www.hhs.gov/about/news/2016/12/20/2017-interoperability-standards-advisory-released.html>

https://www.healthit.gov/sites/default/files/2017_isa_reference_edition-final.pdf



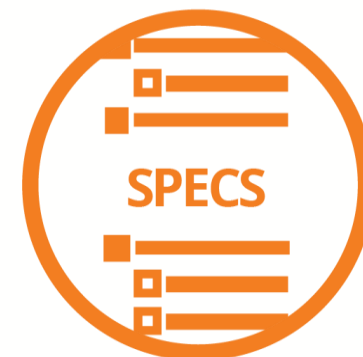
Image Sharing Barriers

- Governance and Exchange Policies
- Large health delivery networks may sometimes be reluctant to share patient information
- Vendors may desire to control proprietary networks
- Lack of agreement regarding standards

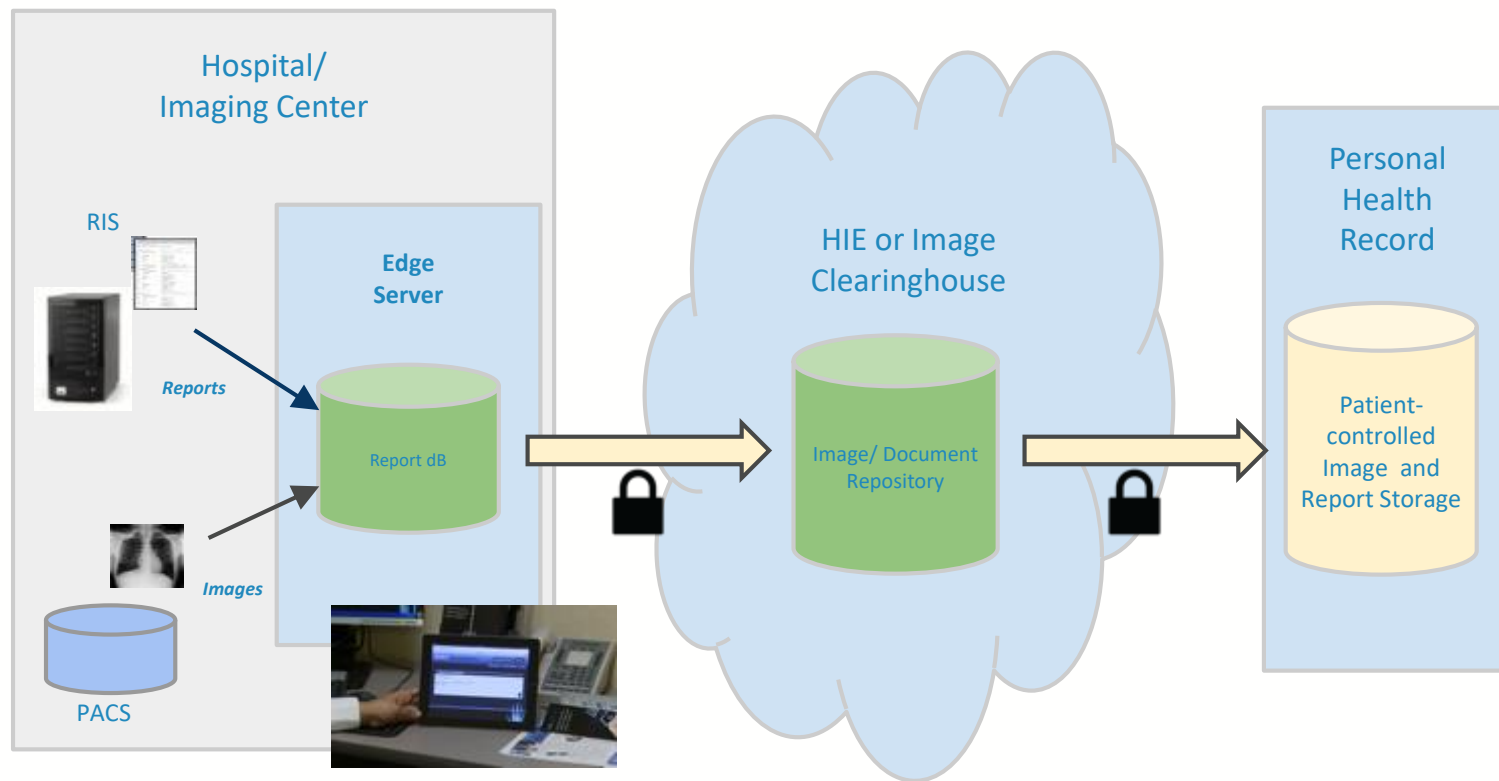


RSNA Image Share Validation Program

- **Fills a national Standards Gap**
 - Product conformity assessment testing
- **IHE profiles provide specifications for testing**
- **Modular Standards/Specifications/Test Cases**
 - Cross-Enterprise Document Sharing for Imaging (XDS-I)
 - Document Source and Document Consumer
 - Registry and Repository
 - Cross-Community Access for Imaging (XCA-I)
 - Initiating Gateway
 - Responding Gateway
 - RSNA Image Share PHR



RSNA/IHE Image Share Architecture





Who Should Participate:

- Providers of **imaging systems** such as Reporting Systems, RIS and PACS that wish to enable those systems to connect to networks for sharing images with providers and patients
- Providers of **health information exchange systems** that wish to enhance their systems to exchange medical images and reports





Benefits of Validation to Patients and Providers

- Improved efficiency
- Reduced costs
- Standards-based interoperability to spur innovation
- Reduce radiation exposure
- Stop duplicative procedures
- International IHE Conformity Assessment program
- **Enhanced quality of care!**





Marketability for Vendors

- The RSNA Image Share Validation seal will assure customers that your systems support convenient, standards-based image exchange.
- RSNA will promote the program to purchasers of imaging and information systems, and encourage them to select systems that have undergone validation testing.
- HIMSS Focused Marketing at Annual conferences by Sequoia
- Third-party verification of implemented interoperability standards foundational set of Profiles for secure exchange of patient information across enterprises.
- Improved patient outcomes through better and more consistent product quality.





Participants Awarded Validation Seals



Congratulations!

Core Validation Team



Steve Moore
Mallinckrodt



Chris Carr
RSNA



Didi Davis
The Sequoia Project



Matt Blackmon
The Sequoia Project



Participant Fees

- \$20,000 for the first testing bundle
- \$2,000 for each additional testing bundle
- Maximum of \$26,000 per participant for each testing cycle
- The validation mark will remain current for two years.





Getting Started

The Image Share Validation program will test the compliance of vendors' systems using quality standards determined most effective for accurate and efficient exchange of medical images.

Download the RSNA Image Share Validation Documents:

- [Application](#)
- [Testing Agreement](#)

Pay the Testing Fees and gain access to the tools to test at your convenience



Opportunities Abound for Interoperable Exchange

- Leverage the growing connectivity footprint in the US and expand to include image exchange
- Inform development of PHR profile that will be deployed nationwide and reflect requirements for image exchange
- Be part of growing movement to broaden connectivity to support care management and population health



RSNA[®]
Image Share
VALIDATION





Questions and Answers

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<http://sequoiaproject.org/rsna>