

North American 2010
Connectathon & Interoperability Showcase Series

Radiology Update
Overview

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Radiology Webinar Overview

This webinar will cover the following topics:

- Radiology overview
 - History, scope, road map, key profiles, point to previous Webinars
- Radiology New Profile details
- Q&A
- Wrap

2009-2010 Webinar Schedule Overview

Miss a live session?

All sessions recorded & available at www.ihe.net/Events/webinars2009.cfm

- **June 11 – Kick-off!**
 - **Overview IHE 2010 NA Connectathon & HIMSS10 U.S. Interoperability Showcase**
- **June 25: 10:00 – 11:30amCT**
 - **Radiology**
- **Thur July 23: Time: TBD**
 - ***Patient Care Coordination (PCC)***
 - ***Patient Care Coordination: Nursing Sub-committee***

Other sessions to follow July – September 2009 (Time & Date TBD) includes:

- **Repeat of June 11 Kick-Off Webinar will be repeated in July, August & September**
- **Anatomic Pathology**
- **Cardiology**
- **Eye Care**
- **IT Infrastructure (ITI)**
- **Laboratory**
- **Patient Care Devices (PCD)**
- **Radiation Oncology**
- **Quality, Research and Public Health (QRPH)**
- **Use of IHE in the enterprise – Intra-enterprise solutions**
- **IHE and U.S. initiatives including ARRA, Meaningful Use and more**
- **IHE 2009 North American Connectathon - Connectathon Registration How-To**

An Incremental Multi-Year Project Launched in 1998

● Goal:

- Enhance the Access to Clinical Information
- Ensure Continuity and Integrity of Patient Information
- Speed Up the Integration in Healthcare Environments
- Fosters Communication Between Vendors of Medical Information Technology

● Prove that Integration is Attainable Based on Standards

● Participants:

- Representatives of Healthcare Providers
- Information Systems Vendors
- Imaging Systems Vendors
- Standardization Groups

- Scope:
 - Radiology including Nuclear Medicine, Mammography
- Vendors
 - Acquisition Modalities, RIS, PACS, Workstations, Displays, Printers
- Established 1998 (first IHE domain)
- Sponsor: RSNA
- Supporters: COCIR, DRG, EAR, ECR, EuroPACS, GMSIH, JIRA, JAHIS, JRS, JSRT, METI, MEDIS-DC, SFR, SIRM, RANZCR

IHE Radiology - Achievements

- Now entering 11th year
 - Robust Vendor Participation at Connectathons
 - Hundreds of IHE Integration Statements published
 - Over 1000 Actors in Radiology implemented
 - IHE Profiles appearing in User Purchasing Processes
- Have addressed basic radiology workflows
 - Acquisition, Post-Processing, Reporting, Teaching Files/Clinical Trials
- Have addressed imaging content handling
 - Measurements, CAD Results, NM, Mammo, Presentation States, Reports, Key Image Notes
- Have addressed distribution of imaging information
 - on CDs, to enterprise, to EHRs, keeping Audit Trails

2009 Connectathon Status

● North American Connectathon 2009

- February 23-27, 2009
- Chicago, Ill
- 68 vendors/116 Systems

● European Connectathon 2009

- April 23-27, 2009
- Vienna, Austria
- 59 vendors/92 Systems

● Japan Connectathon 2009

- Tokyo, Japan
- October 26-30

● Australia Connectathon 2009

- Canberra, AU
- July 27 – 31

● China Connectathon 2009

- Shanghai, China
- Beijing, China May 25- May 29

● Malaysia Connectathon 2009

- Kuala Lumpur 12-14 January



- New Technical Development

- Content Profiles

- MR Diffusion Image
- CT/MR Perfusion Image with Contrast

- Presentation Profile

- Basic Image Review
 - active collaboration development with the AMA

- Infrastructure Profiles

- Cross-Enterprise Document Sharing for Imaging.b
- Portable Data for Imaging - extensions

- Strategic/Planning

- Imaging Sharing Roadmap
- HL-7 Versioning/Re-factoring with 2.5 re-baseline

Radiology Profiles

Users Guides

Radiology Departmental Workflow

Mammography Workflow

Workflow

Patient Info. Reconciliation

Scheduled Workflow

Charge Posting

Reporting Workflow

Mammography Acquisition Workflow

Import Reconciliation Workflow

Post-Processing Workflow

Presentation & Content

Mammography Image

Radiation Exposure Monitoring

Image Fusion

Evidence Document

Consistent Presentation of Images

Key Image Notes

Simple Image & Numeric Reports

NM Image Card Option

Teaching Files & Clinical Export

Presentation of Grouped Procedures

Basic Image Review

MR Diffusion Image

CT/MR Perfusion Image w/Contrast

Infrastructure

Portable Data for Imaging extensions

Cross-Enterprise Document Sharing for Imaging.b

Audit Trail & Node Authentication – Radiology

Access to Radiology Information



● Global Deployment priority

➤ PDI/IRWF

- *USA, Australia, Germany, China, Japan*

➤ XDS-I/IRWF

- *Canada, USA, Italy, and other International Regional Projects*

➤ TCE

- *USA-RSNA*

➤ SWF/PIR

- *Most Global Interoperability profile*
- *Focus on value-add options*

2009 Development Schedule

Timeframe	Activity	Scheduled	Location
2008			
Aug	Submit Brief Profile Proposals to Planning Committee (PC)	Sept. 15	Wiki
Sept	PC Selects "Short List" of Proposals	Sept. 17	T-Con
Sept	PC Drafts Detailed Profile Proposals for "Short Listed" Proposals	Sept. 30	Wiki
Oct	TC Completes technical review of Detailed Proposals	Oct. 15	T-Con
Oct	PC makes Final Selection of Proposals for this year	Oct. 22	T-Con
Nov.	TC Profile development kickoff meeting	Nov. 10-13	Chicago
2009			
Jan.	TC Finalizes profile supplements for public comment	Jan. 27-30	Chicago
Feb.	Publication of Public Comment Supplements (See Radiology 2008-2009 Supplements)	Mar. 22	www.ihe.net
Mar.	Deadline for submission of public comments on profile supplements	May 1	www.ihe.net
Mar./Apr.	TC reconciles public comments	May 11-14	Chicago
Aprul	Publication of CPs - released for Ballot	July	www.ihe.net
May	Publication of Trial Implementation Supplements	June	www.ihe.net
June	Publication of Final Text Technical Framework	July	www.ihe.net
2010			
Jan.	Test implementations at 1st IHE Connectathon	Jan 11-15	Chicago



● Vendors

- Implement IHE Profiles in your products
- Test your products at the IHE Connectathon
- Publish IHE Integration Statements

● Users

- Learn about the IHE Profiles
- Include specific IHE Profiles in RFPs
- Publish User IHE Success Stories

● IHE Process

- Review Draft Profiles during Public Comment phase
- Participate on Committees
 - Radiology Planning Committee:
 - Kevin O'Donnell (Toshiba) & Chris Lindop (GE Healthcare)
 - Radiology Technical Committee:
 - David Clunie (RADfarm) & Chris Lindop (GE Healthcare)
 - Chris Carr (RSNA) – ihe@rsna.org

- **2009 - 2010 Webinar Series, June - September 2010**
 - <http://www.ihe.net/Events/webinars2008.cfm>
- **Registration for NA Connectathon & HIMSS10 Interoperability Showcase**
 - **August 28 – September 30, 2009**
- **IHE 2010 NA Connectathon, Chicago, IL - January 11-15, 2010**
 - **Registration August 22 – September 30, 2009**
 - www.ihe.net/connectathon/
- **HIMSS10 Annual Conference, Atlanta, GA, March 1-4, 2010**
 - **Registration August 28 – September 30, 2009**
 - www.interoperabilityshowcase.org

IHE & Interoperability Resources

● Integrating the Healthcare Enterprise

- <http://www.ihe.net>
- www.ihe.net/north_america/connectathon2010.cfm

● Interoperability Showcase

- www.interoperabilityshowcase.org

● Health Information Technology Standards Panel

- http://www.ansi.org/standards_activities/standards_boards_panels/hisb/hitsp.aspx?menuid=3



IHE Changing the Way Healthcare **CONNECTS**

WWW.IHE.NET