



Pathfinding Session: IT Infrastructure for Intra-Enterprise

IHE North America Webinar Series 2008

Charles Parisot
IT Infrastructure
GE Healthcare



Learning Objectives

Your Product:

- What Profiles may be relevant?
- What do the Profiles do?
- If the relevance isn't clear, Ask now.

Goal:

Help you decide which detailed webinars to attend

What is IT Infrastructure Strategy for Intra-Enterprise versus Cross-Enterprise ?

- As much as possible, IHE ITI looks for solutions that serve both.
- A number of Cross-Enterprise Profiles may be used over time within the Enterprise (e.g. XDS, PIX/PDQ V3, etc).
- New use cases are always analyzed from both perspectives before deciding to embark into an Intra-Enterprise specific profile.

Product Classes Targeted

- **In-Patient/Acute Care including Departmental Information Systems.**
- **Larger Ambulatory Electronic Health Record Systems (EHRs / EMRs) and Specialized Centers (Imaging, Laboratories, etc.)**
- **Infrastructure Systems**

IHE IT Infrastructure

- **Patient Identity & Administration Management**
- **Security and Infrastructure Services**
- **Special Profiles**



Patient Identity & Administration Management

- **PAM – Patient Administration Management**
 - Management of patient identity, encounter information, as well as movements within an acute care facility
- **PIX – Patient Identifier Cross Referencing**
 - Management of patient identifiers amongst hospitals, sites, HIE networks. Supports HL7v2 & HL&v3
- **PDQ – Patient Demographics Query**
 - Facilitates the retrieval of patient information from a central server. Supports HL7v2 & HL&v3

IHE Security and Privacy Services

- **CT – Consistent Time**
 - auto-synchronize system clocks
- **ATNA – Audit Trail & Node Authentication**
 - record HIPAA events; use security certificates
- **EUA – Enterprise User Authentication**
 - Facilitates centralized user authentication with the convenience and speed of a single sign-on.
- **PWP – Personal White Pages**
 - provides access to basic directory information on human workforce members within the enterprise

Special Profiles

- **RID – Retrieve Information for Display**
 - support simple web access to summary lists of documents and generic HTML content display.
- **PSA – Patient Synchronized Application**
 - facilitating the synchronization on the same patient of multiple applications on a desktop

Recommended Webinar Sessions

ITI Profiles	Date & Time
XDS.a, XDS.b, XDR, XDM	July 22, 2008 Q1
PIX, PDQ, XDS-SD, PAM, PSA, PWP, EUA	July 22, 2008 Q2
ATNA, BPPC, XUA, CT	July 22, 2008 Q3

Which Profile on which system ?

	In-patient HIS/EHR & Dept Systems	Ambulatory EHRs / EMRs and Specialized Centers	Enterprise Infrastructure Systems
PAM	X	X	
PIX	X		X
PDQ	X	X	X
RID	X	X	
ATNA/CT	X	X	X
EUA	X	X	X
PWP	X	X	X
PSA	X		X

Recommended Webinar Sessions

Domain	Profiles	Date & Time
ITI	XDS.a, XDS.b, XDR, XDM	July 22, 2008 / Q1
	XDS-SD, PIX, PDQ, PAM, PSA, RID, PWP	July 22, 2008 / Q2
	ATNA, XUA, BPPC	July 22, 2008 / Q3
PCC	XDS-MS, XPHR, EDR, EDES, APS/APR, FSA	July 16, 2008 / Q1
	QED, CM, IC, CPR	July 16, 2008 / Q3
Radiology	PDI	June 24, 2008 / Q1
	XDS-I	June 24, 2008 / Q2
Eye Care	ECDR	June 24, 2008 / Q3
Laboratory	XD-Lab	July 8, 2008 / Q1

Resources: Webinars

Webinar Schedule:

- Session 1: **Overview** of the IHE Connectathon Testing Process for New Participants - Tuesday, June 10
- Session 2: **Pathfinding**: HIT Products and IHE Profiles - Tuesday, June 17
- Session 3: **Radiology, Mammography and Nuclear Medicine** - Tuesday, June 24
- Session 4: **Eye Care** - Tuesday, June 24
- Session 5: **Laboratory** - Tuesday, July 8
- Session 6: **Patient Care Devices** - Tuesday, July 8
- Session 7: **Quality, Research and Public Health** - Thursday, July 10
- Session 8: **Cardiology** - Thursday, July 10
- Session 9: **IT Infrastructure: Profiles for Health Information Exchange** - Tuesday, July 15
- Session 10: **Patient Care Coordination: Medical Document Content Profiles** - Wednesday, July 16
- Session 11: **IT Infrastructure: Security and Privacy** - Tuesday, July 22
- Session 12: **IT Infrastructure: New Profiles for 2008** - Tuesday, August 5
- Session 13: **Connectathon Registration How-To** - Thursday, August 28

Resources: www.ihe.net

Web Resources:

- http://www.ihe.net/north_america/connectathon2009.cfm
Info on Connectathon 2009 including timeline, Webinar schedule and recorded sessions
- http://www.ihe.net/Technical_Framework/index.cfm
IHE Technical Frameworks and Supplements
- <http://www.ihe.net/profiles/index.cfm>
Overview of IHE profiles and brief descriptions
- <http://wiki.ihe.net/index.php?title=Profiles>
More detailed descriptions of many profiles
- ihe@himss.org, ihe@rsna.org
Inquire about Connectathon, committee participation, IHE membership, etc.