

THE DICOM 2013 INTERNATIONAL CONFERENCE & SEMINAR

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TESTATHON – A Report

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PHILIPS

Testathon – A Report

- Introduction
- The Catalyst
- Preparations
- Testathon Event
- Next Steps



TESTATHON

The first Healthcare Interoperability testing event held in India

Organized at Philips Innovation Campus, Bangalore from 15th to 16th Mar 2012





Technical Colloquium

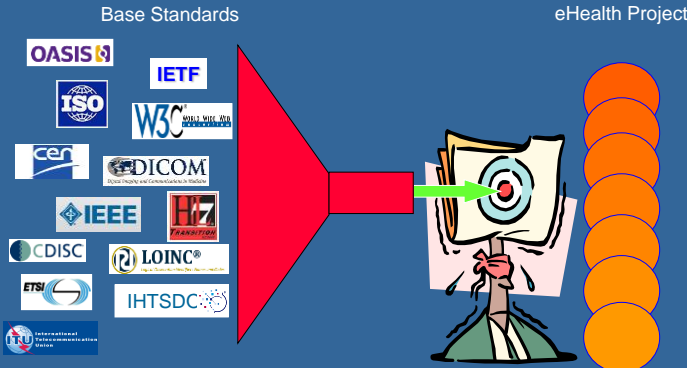
‘Interoperability Testing of Healthcare standards for Emerging Markets like India’

by Cor Loef on May 19th 2011 at Philips Innovation Campus, Bangalore


Attended by 6 Healthcare vendors from India

Interoperability: Highest Cause of Health IT project failures

Base Standards eHealth Projects

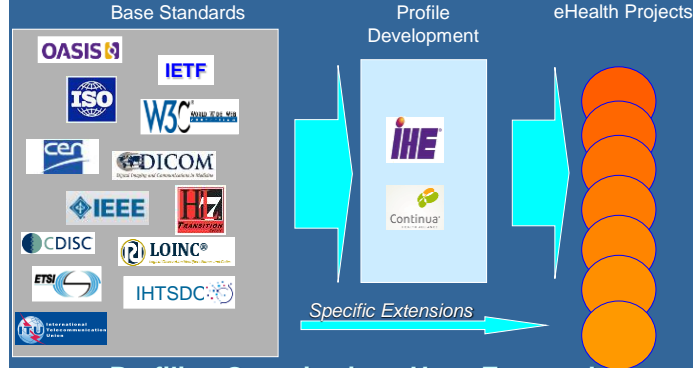


Health Interoperability Standards: how to realize the promise ?




Interoperability: From a problem to a solution

Base Standards Profile Development eHealth Projects




Profiling Organizations Have Emerged



Connecting Standards to Care

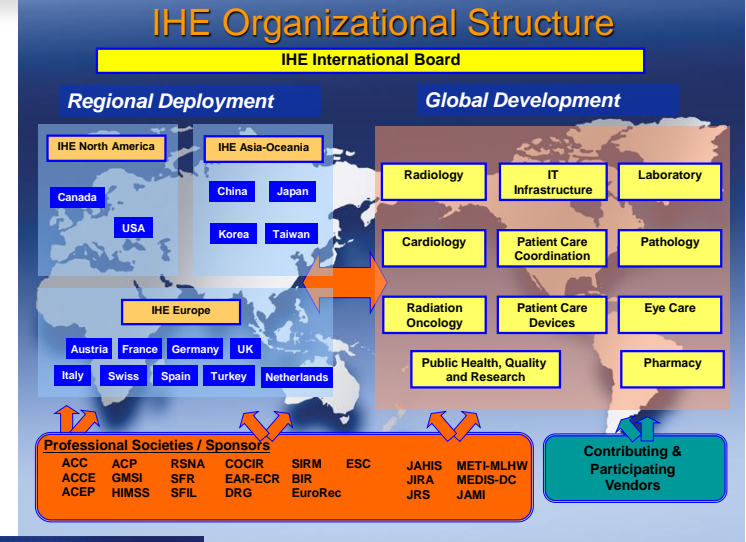
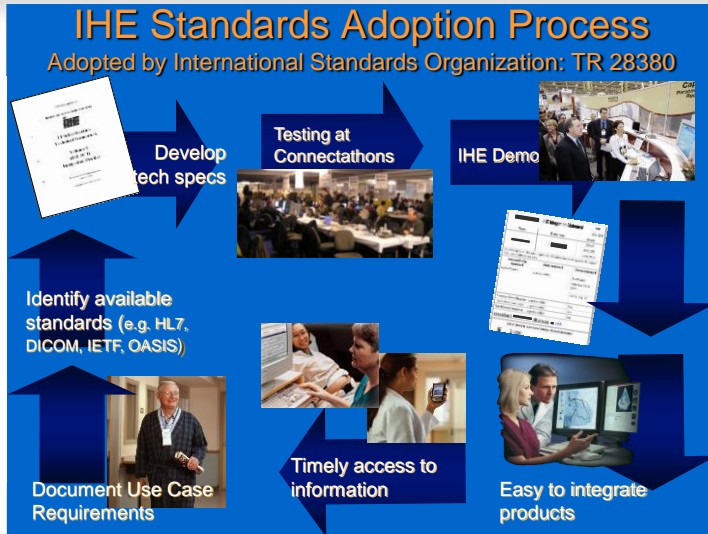
- Healthcare professionals work with industry
- Coordinate implementation of standards to meet clinical and administrative needs
 - *Clinicians and HIT professionals* identify the key interoperability problems they face
 - Providers and industry work together to develop and make available standards-based solutions
 - Implementers follow common guidelines in purchasing and integrating effective systems

IHE: A forum for agreeing on how to implement standards and processes for making it happen



Slides from IHE (www.ihe.net)

Technical Colloquium (2/2)




IHE China Case Study

By: Dr. Jiwu Zhang

Email: Jiwu.Zhang@IHE-C.ORG, jiwuzhang@gmail.com

IHE China



Slides from IHE (www.ihe.net)

Brainstorming

Reach out to organizations like IAMI, HIMSS India, HL7 India for the formation of IHE India

Organize an informal event on the lines of IHE Connectathon, by having products made for India and other emerging markets (BRIC)

Reach out to regional healthcare vendors in India using personal networks and involve them in these initiatives

On technical front Investigate TeleRadiology workflows and see if an IHE profile can be initiated for the same for India



Results of Colloquium

Setup a Core team to drive this initiative forward

Reached to more vendors by using personal contacts.

Fortnightly telecons to brainstorm on this initiative.

Minutes published on LinkedIn Group [Healthcare Interoperability in India](#)

Decided to organize an Interoperability testing event. Coined the event as TESTATHON

Multiple attempts to finalize a date

Managed to get support from HIMSS India

Finalized a date for March 2012



The Event

Half day dedicated to Talks on
Healthcare and Interoperability in India

1.5 days of the Interoperability Testing
Event

Inaugurated by Dr. A Vijayarajan,
President HIMSS India

Technical session attended by ~100
people from 14 vendors across India



*Standards provide a fair playground for big and small vendors to compete with each other and facilitate innovative solutions to the customers - **Ravi Ramaswamy, Sr. Director, Philips Healthcare***

There is an increased trend in owning one's health by the individual, which implies that connected health care is a right not a privilege. Connectivity & Interoperability can play a vital role in connecting healthcare records

*– **Dr. Chandil Gunashekara, Vice-President HIMSS India***

*Often healthcare vendors are overwhelmed by a gamut of standards used in the industry. There is a need to define a Meaningful subset of standards which can be used in the Indian Healthcare scenario. TESTATHON is a first step in the right direction. – **Dr. A Vijayarajan, CEO Clintics, President HIMSS India***

Test Session Details

16 Products

- 5 PACS, 4 Consoles, 4 Workstations
- 1 RIS and 2 HIS Systems

9 Vendors across India.

- Many more showed interest but could not make it due to other commitments

35 Participants and 6 Monitors

More than 300 Tests executed

More than 50 IO issues found and analyzed



Interoperability aspects Tested



IHE Profiles

Access to Radiology Information (ARI)
Consistent Presentation of Images (CPI)
Portable Data for Imaging (PDI)
Patient Information Reconciliation (PIR)
Scheduled Workflow (SWF)



DICOM Tests

Storage/Storage Commitment,
Query/Retrieve, Print, MWL & MPPS



HL7 Tests

ADT messages, Placer Order ORM and
Observation Reporting ORU



Feedback

*Kudos to Test-a-thon team for taking time and effort in arranging the event. It also gave us an important platform to network with co-industry professionals -
Dr. Suresh Viswanathan , MD,
Raster Images*

*Thanks for the excellent opportunity provided. Great initiative. Wish to participate every year in such events –
Siva Vageesan, CEO AmbalSoft
InfoTech Private Ltd*

*I congratulate the Testathon Team for organizing this event. Good turnout & enthusiastic participants. This is an important first step needed by all in the Healthcare Ecosystem –
Dr. A Vijayarajan, CEO Clintics &
President HIMSS India.”*





Do you feel it's time to form IHE India organization to drive Interoperability in India ??

Call for action to all participants

- **Join us and lets create IHE India Organization together**
- **Show your passion for Interoperability by organizing and participating in India centric Testathons**
- **Come forward and propose Interoperability Specs specific for Indian Scenarios**

References



<http://dicom.nema.org/>



<http://www.HL7.org/>



<http://www.IHE.net/>

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Thank you for your attention !