

Requirements for the Testing Cycle

IHE 2008-2009 Test Cycle

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Audience

- **New participants:**
 - Engineers/Managers who need to make sure all tasks are completed to receive Connectathon credit
 - Engineers/Managers who want their application demonstrated at a showcase
- **There is a separate webinar session for connectathon veterans**

What You Need to Know

● Connectathon reference documents on

http://www.ihe.net/north_america/connectathon_2009_participants.cfm

➤ **Policies and Guidelines** from Sponsors

➤ **Connectathon Fact Sheet** from Project Managers

➤ **Product Manager's Summary**

- Distilled version of the Fact Sheet → what Product Mgrs should know

➤ **Connectathon Checklist**

- Your deliverables and deadlines from now to the Connectathon

● This will be a shorter discussion

General Process

- Read the existing and new profiles (now)
- Register for Connectathon (required)
- Register for demonstration (optional)
- Interview with Project Manager (required)
- Submit MESA test results (required)
- Submit your configuration (by system)
- Test and cooperate with peers during the Connectathon

Timeline

Jun - Aug

Sep

Oct

Nov

Dec

Jan

Feb

Register

What do we want to do?

Can we do this?

Goals

People

Budget

Commitment

Interview

S

MESA testing

MESA test evaluation

Config entry

Connectathon! 

How do we manage? Gazelle

■ Web-based tool used to manage a connectathon

- Register the systems you will test (profiles/actors)
- Determine your testing requirements
- Submit your pre-connectathon test results
- Enter configuration for your system (ports/URLs...)
- Submit your Conformance Statement
- Register the people who will attend
- Find your test partners
- Manage your testing during Connectathon week

First - Decide what to test

- **A large organization (Siemens) will register multiple systems**
 - MR modality
 - CT modality
 - XDS Registry
 - EHR system (in XDS land)
- **Smaller organizations will likely register a single system**
- **There are base fees and per-system charges**
 - Read the fine print in the sponsor's Policies for all of the rules

Registration: Preparation

- Read the Connectathon Policies & Fact Sheet
- Pay special attention to what constitutes a system and how you group actors/profiles
- **If you do not understand the rules or the tool, contact a Project Manager before/during the registration period for clarification**
- If you get this wrong now, you will spend the next 3-5 months wasting your engineering time writing software you will not use
- You will also not develop the software you need for testing or demonstration

Registration: Gazelle

- **Enter organization & system details**
 - Enter information about marketing and technical contacts
 - Enter the individual system(s) you want to test
 - For each system, you enter the combinations of actors, profiles, and options that will be tested for that system

Registration: Paperwork & Payment

● Print Registration Form

- Gazelle will generate PDF with list of systems and charge information
- Print the form, sign it, send a check to the address on the form

● The printed form and check must arrive by the close of registration deadline

Project Manager Interview (1)

- **Intended for engineers attending Connectathon**
- **Interview Form**
 - **A set of questions to ensure you have the information you need to succeed**
 - Do you know what your manager signed you up for?
 - Do you know how to find your required pre-Connectathon tests?
 - Do you know where the tools are?
 -
- **Email completed form to Project Manager within one week of registration close**

Project Manager Interview (2)

- You **must** schedule an interview with a Project Manager
- We will make sure your Connectathon registration is in order
 - There are limits on the number of actors/profiles you can register in one system
 - We are keeping people from signing up for too much and then failing everything
 - There are dependencies between profiles that get missed
 - This is an annual problem that requires attention

Registration: Showcase

- **Project Managers are aware of showcase demos, but do not manage them.**
- **You need to contact your regional organization:**
 - RSNA, AAO, HIMSS in the US
 - IHE Europe will delegate to national IHE groups:
 - IHE-France
 - IHE-Germany, and many others
- **There are separate fees.**
- **There are separate rules. These rules are written by the regional organization.**

After Registration

- **Now that your marketing department has committed the engineering group to this project...**
- **The engineers should read the requirements/specifications in the IHE Technical Frameworks**
- **Actually, you should do that before you register**

Pre-Connectathon (MESA) Tests

- Project Managers publish pre-connectathon tests you run in your lab
- These are part of the IHE process and a **requirement** for Connectathon participation
- There is a **published deadline** for submitting positive test results (not that you tried, but that you **successfully completed** the tests)
- Results are uploaded into Gazelle

Configuration Information

- Project Managers will assign fixed IP addresses to your computers
- You will need to review configuration information in Gazelle (port numbers, DICOM titles, Web services URLs) and complete configuration
- There is a **published deadline** for this
- If you fail to do this, your test partners will consider your **company a poor candidate for future collaborative work**
 - You will waste much time during the Connectathon

Conformance Documents

- **DICOM systems require a DICOM conformance statement**
 - Load this into Gazelle
- **IHE Integration Statements (optional):**
 - Companies may load a link into Gazelle

Staff Registration

- Use Gazelle to register individual staff members who will attend the Connectathon
- Understand the rules for the number of staffers you can register before you trigger extra fees
- There is a deadline for this
- If you do not register staff members, ***no entry, no lunch, no testing***

Connectathon Summary

- **Week-long testing event**
- **Required tests for each profile/actor**
- **You execute each test with 3 peer systems**
- **Connectathon monitors examine results**
- **Cooperative efforts to debug problems and work towards success**
- **Opportunity to find problems in products and in the profiles**
- **Demonstration practice**

Setting Your Expectations

- This is an engineering testing activity that you need to manage properly.
- You might not complete testing for all registered profiles.
 - Some tests you run will not be examined by monitors
 - Sponsors do not guarantee you will complete your tests
- Your engineers may need to remove actors/profiles during the week
 - May indicate poor preparation, but it happens

Connectathon Output

- **An IHE web site that lists that you passed tests for actor/profile pairs**
 - We do not publish failures or work you did not complete
 - You are not “certified”
 - We do not guarantee conformance
 - We do not imply you are better than your competitor because you registered for more work
- **Your ticket to participate in IHE demonstrations**

Workshops

- **For IHE North America (Feb 2009), there is no June Workshop. This is replaced by Webex seminars.**
 - Informative, helpful, not a requirement
- **For IHE Europe (spring 2009), there is a mandatory workshop for Connectathon participants**
 - Poiseau
- **For HIMSS Showcase (2009), there is a mandatory workshop**
 - Davis

Email Lists

- **There is one google-groups email list for Connectathon-related announcements from the Project Managers and sponsors**
 - You can subscribe yourself and as many colleagues as you wish
 - *ihe-north-america-connectathon-2009@googlegroups.com*
- **XDS implementors ask questions and share tips:**
 - *ihe-xds-implementors@googlegroups.com*
- **There will be several email lists for showcase discussions**
 - Project Managers will work with sponsors to publish a list, but we do not manage those lists.

You Are Responsible ...

- **There is a separate Webex presentation on how to interpret the Technical Framework.**
- **You are responsible for all requirements for your actor/profile pairs.**
- **We do not test systems where the participant wants to do half of the work.**
- **This is pass / fail. There is no partial credit.**

Questions?

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