

# Integrating the Healthcare Enterprise



## *IHE 2010 North American Connectathon Facts for Participants*

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## 1 Introduction

The audience for this document is anyone responsible for managing or testing a system in the IHE 2010 North American (NA) Connectathon in Chicago in January 2010. This document provides a set of facts, definitions and dates with collected information designed to prepare engineers and other support staff/participants for the IHE 2010 NA Connectathon.

Additional resources for participants in the IHE 2010 North American Connectathon are provided on [http://www.ihe.net/north\\_america/connectathon\\_2010\\_participants.cfm](http://www.ihe.net/north_america/connectathon_2010_participants.cfm), including:

- ***IHE 2010 North American Connectathon Policies and Guidelines:*** This is a comprehensive document describing the rules, fees and testing requirements for the IHE 2010 North American Connectathon. The audience for this document is the managers who are responsible for registering systems for Connectathon testing and the engineers who will participate in the Connectathon.
- ***IHE 2010 North American Fact Sheet for Participants:*** This document provides extensive details for any of your staff participating onsite at the Connectathon or who may be offsite (not attending the Connectathon) but will support Connectathon activity for your firm.
- ***IHE 2010 North American Connectathon Fact Sheet for Product Managers:*** This is a condensed summary of the *IHE 2010 North American Facts for Participants*. This distilled version highlights Connectathon information and key dates designed for managers responsible for understanding the overall scope of Connectathon testing and allocating resources.
- ***IHE 2010 North American Connectathon Timeline:*** A timeline of activities and due dates for the Connectathon participants.
- ***Kudu:*** Testing Mangement tool which serves as the home of IHE 2010 NA Connectathon registration and test management. Will be available beginning August 28, 2009: <http://ihe-kudu.wustl.edu/na2010>
- ***IHE Connectathon Managers' Resources for Implementers:*** Provides access to test tools, code tables, developers' notes and many other resources needed by engineers implementing IHE profiles in their product: [http://ihewiki.wustl.edu/wiki/index.php/North\\_America\\_2010](http://ihewiki.wustl.edu/wiki/index.php/North_America_2010)

See also:

- <http://www.ihe.net/> - general information about IHE
- <http://wiki.ihe.net> - used for collaborative creation of IHE materials and for documenting ongoing activities. Contains engineering and other material that will primarily help developers.

## 2 Purpose of the IHE North American Connectathon

The IHE 2010 North American Connectathon is a week-long testing event managed by the sponsoring organizations, [HIMSS](#) and [RSNA](#). Currently IHE Connectathons are held annually in North America, Europe and Asia. The major goal of IHE Connectathons is to promote the adoption of IHE standards-based interoperability systems in commercially available healthcare IT systems. The Connectathon serves as an industry-wide testing event where participants can test their implementations with those of other vendors. Over 300 vendors worldwide have tested IHE profiles at Connectathon events.

IHE Connectathon Managers and monitors record the results of the testing and produce a results matrix, available at [http://sumo.irisa.fr/con\\_result/](http://sumo.irisa.fr/con_result/) that lists the Integration Profile and Actor combinations that each participant has tested. The results do not indicate or imply that an organization/vendor has a product that is ready for market. However, successful results are published and promoted by the sponsors to inform the healthcare community about the adoption of IHE solutions by industry and to encourage purchasers of healthcare IT systems to require support of IHE Actors and Integration Profiles in their requests for proposals and purchasing specifications.

IHE Connectathon participants are encouraged to offer the IHE Integration Profile/Actor combinations they test in commercially available systems as quickly as possible. When they do they are encouraged to publish IHE Integration Statements to describe for prospective purchasers the IHE capabilities offered in these systems. (See below.)

Participation in IHE demonstrations requires that an organization successfully complete a minimum set of tests for any actor/profile pair to be demonstrated. A demonstration manager will publish the minimum requirements for demonstration participation and evaluate the IHE Connectathon tests. Systems that do not successfully complete the required tests for an actor/profile combination are not included in public IHE demonstrations or HIMSS Interoperability Showcases. By signing up for an IHE demonstration or HIMSS Interoperability Showcase, the company is accepting the part of the IHE process that is the Connectathon testing.

Many vendors participate in IHE Connectathons without any direct plans to participate in a demonstration. Even in cases where vendors are participating in preparation for a demonstration, the major goal of the IHE Connectathon is to refine the implementation of IHE Actors and Integration Profiles in the systems being tested.

The 2010 North American Connectathon will include a one-day conference on January 12, 2009. The targeted audience for the event includes vendor and provider executives, public health officials, systems implementers, purchasers, users and other stakeholders in healthcare IT systems interoperability and decision makers from the U.S., Canada and elsewhere who play critical roles in implementing regional and national health information networks. Participants in the testing process are not expected to attend or deliver presentations associated with the Conference. Conference attendees will be offered guided tours of the testing area. These tours will be conducted and scheduled so as to interfere as little as possible with the testing process.

## 2.1 IHE Connectathon Results

Each IHE actor/profile combination is assigned a series of unit and system tests to perform. When a system completes the required set of tests with the required number of partners, the IHE Connectathon managers update an electronic database to indicate that the participant completed that suite of tests. After the IHE Connectathon is completed and after several days of review, all results that indicate completed testing are published in a common database/web server. IHE does not publish any results that indicate an organization tried but did not complete testing.

Leverage the global reach of IHE: Participants are encouraged to refer to their participation in the IHE North American Connectathon in marketing and promotional materials. The appropriate language to use is to indicate that the vendor has “*completed Connectathon testing of <<one or more specific IHE actors in one or more IHE integration profiles>>*”.

Companies are strongly discouraged from using IHE participation to make unsupported product claims, including comparisons with other vendors. Claims using such words as “gold stars,” “certification,” and “validation” are not appropriate, as the Connectathon is not a certification event and IHE is not a certifying body. Companies using references to their IHE participation in ways that, in the view of the sponsoring organizations, violate the spirit of the initiative will risk having their names removed from the official list of IHE participants.

## 2.2 IHE Integration Statements

The best way for an organization to document the IHE capabilities of its commercially available or open source systems is to publish IHE Integration Statements. IHE has recently introduced the IHE Product Registry to make it easier to publish Integration Statements and to make them more accessible to purchasers of healthcare IT systems. We encourage all developers of systems with IHE capabilities to create an account on the Product Registry and use it to create and publish Integration Statements for their systems at <http://product-registry.ihe.net/>.

Organizations publishing Integration Statements are solely responsible for their accuracy. IHE makes no claims about the validity of such statements. Note that an organization is not required to participate in a Connectathon in order to publish an IHE Integration Statement.

### 3 Definitions

**Sponsor:** One of the professional societies who convene/manage/sponsor the activities in a specific domain. With committees, they set the overall vision for IHE, Connectathons and demonstrations. Implementation is left to committees, participants and project managers. The sponsors for IHE in North America are the [Health Information and Management Systems Society \(HIMSS\)](#) and the [Radiological Society of North America \(RSNA\)](#).

**Planning Committee:** In each domain, a planning committee composed of representatives from IHE member organizations, including users and developers of IT systems and other interested stakeholders, and overseen by a recognized sponsoring organization with significant stakeholder membership is responsible for planning the development activities of the domain. Planning committees develop and maintain the long-term development roadmap and select work items for the annual development cycle of the domain. Planning committees also work with the domain sponsors to coordinate communication and education activities and materials for the domain.

**Technical Committee:** In each domain, a technical committee composed of representatives from IHE member organizations, including users and developers of IT systems and other interested stakeholders, and overseen by a recognized sponsoring organization with significant stakeholder membership is responsible for carrying out the work items identified by the domain's planning committee and developing technical specifications and whitepapers. Technical and planning committees often have significant overlap in membership.

**Connectathon Manager:** Responsible for the overall management of the Connectathon. For NA 2010, these are Lynn Felhofer and Steve Moore, Research Assistant Professor, Mallinckrodt Institute of Radiology, Washington University School of Medicine.

**Technical Project Manager:** Responsible for Technical Project Management in a specific IHE domain. Technical Project managers work with Connectathon Managers during a Connectathon. For NA 2010, these are Lynn Felhofer, Steve Moore, Manny Furst, and Eric Poiseau.

**Connectathon Monitor:** A member of the industry who will serve as an independent tester during the Connectathon. Monitors will examine tests during real time or will examine evidence after the fact.

**Demonstration Manager:** Responsible for organizing demonstration at an annual conference. John Donnelly will manage HIMSS 2010.

**MESA** – The set of software tools used by participating companies implementing IHE capabilities in their systems and preparing for the Connectathon. Their purpose is to provide communication partners, test data and test plans to allow organizations to demonstrate a baseline level of testing as they implement the IHE Technical Framework. Successful completion of MESA tests is a prerequisite to Connectathon participation.

**System:** A reasonable collection of IHE Actors and Profiles that one would bring to market. The definition is intentionally vague so that sponsors and project managers do not limit collections of actors. However, the term “reasonable” is used to prevent a company from registering one “system” with a combination of 20 actors and profiles to get around registration fees.

**Kudu:** A web-based Connectathon registration and test management system. With the exception of email lists, most other communication and management processes are handled by this system.

## 4 Registration

### 4.1 Registration for the IHE 2010 North American Connectathon

Registration for the IHE 2010 North American Connectathon registration consists of an electronic registration system, a printed/signed contract and payment. Questions about the registration process should be sent to [moores@mir.wustl.edu](mailto:moores@mir.wustl.edu) or [felhofer@charter.net](mailto:felhofer@charter.net).

1. Each participating organization will register with the Kudu system <http://ihe-kudu.wustl.edu/na2010>. This system will be open for registration from August 28 through September 30, 2009, with payment due by September 30, 2009.
  - a. Each organization should create one login for the entire organization/company. Use a name that identifies your organization (Siemens) and not an individual (Moore).
  - b. Add an entry to the web system for each system you wish to register. Make sure you add all combinations of actors, profiles, and profile options that you support. Correct Kudu entries (correct profiles, correct actors, correct options) are critical since these Kudu entries determine which MESA and Connectathon tests you must pass for your system.

For some actors/profiles, the Kudu testing management tool will remind you that you are missing a required actor. Kudu is not guaranteed to find all such requirements; you are responsible for that level of detail. If you find inconsistencies between Kudu and the Technical Frameworks please inform the Connectathon Managers (Moore, Felhofer).
  - c. You will also need to identify a technical contact (name, email, phone) within your company for each registered system.
  - d. You can work on your registration over a period of days; you can add and delete systems during the registration month.
  - e. Once the registration period is over, you cannot add/remove actors/profiles to your systems. Please make your selections with proper estimates on effort required to complete the work.
2. After you have completed electronic registration in Kudu, use the system to print a completed contract that lists all of your registered systems. Print the contract, have the responsible person in your organization sign the contract, and send payment to the address listed on the contract. **Signed contracts with payment are due September 30, 2009. If an invoice is needed for your company to make payment, email a copy of the signed contract to [ihe@rsna.org](mailto:ihe@rsna.org). You will receive an invoice within 24 hours. Do not wait until September 30 to request an invoice. Payment is DUE on September 30.**

3. Once a system is registered, a Connectathon Manager (Moore, Felhofer) will email the technical contact for that system to arrange a telephone interview with each first-time participant. The purpose of the telephone interview is to make sure your engineers understand what their system has been registered for, and their responsibilities in all Connectathon-related activities. Telephone interviews will occur between September 21, 2009 and October 16, 2009 and are a requirement for participation.

## 4.2 Thorough vs Supportive Testing

Refer to 2010 NA Connectathon Rules document for description and rules. See: [http://www.ihe.net/north\\_america/connectathon\\_2010\\_participants.cfm](http://www.ihe.net/north_america/connectathon_2010_participants.cfm)

## 4.3 HIMSS 2010 IHE Interoperability Showcase Registration

Lisa Spellman is the HIMSS representative responsible for the HIMSS 2010 IHE Interoperability Showcase to be held at the [HIMSS Annual U.S. Conference March 1-4, 2010](#). Questions about HIMSS IHE 2010 Interoperability Showcase Registration should be sent to Lisa Spellman [ihe@himss.org](mailto:ihe@himss.org). John Donnelly is the Showcase demonstration manager and will work with demonstration participants on demonstration details.

1. Complete the IHE 2010 North American Connectathon registration application and submit payment to RSNA as described above.
2. Obtain a contract from HIMSS ([ihe@himss.org](mailto:ihe@himss.org)). Fill in the contract, making note to list the system names using the keywords registered in Kudu.
3. Send the signed, completed contract with payment to the address listed on the HIMSS10 Interoperability Showcase contract.

## 5 IHE Registration/System Requirements

Refer to “2010 IHE NA Connectathon Rules” document. See: [http://www.ihe.net/north\\_america/connectathon\\_2010\\_participants.cfm](http://www.ihe.net/north_america/connectathon_2010_participants.cfm)

## 6 IHE Profiles to be Tested

The February 2010 IHE North American Connectathon will test IHE Integration Profiles from the following domains:

- Anatomic Pathology
- Cardiology

- IT Infrastructure
- Laboratory
- Patient Care Coordination
- Patient Care Devices
- Quality, Research and Public Health
- Radiology

The full list of profiles to be tested at the 2010 IHE North American Connectathon is available on the following web site: [http://www.ihe.net/north\\_america/connectathon\\_2010\\_participants.cfm](http://www.ihe.net/north_america/connectathon_2010_participants.cfm)

If you do not find your favorite profile on the list, please contact the Connectathon Managers ([Felhofer](#), [Moore](#)).

## 7 MESA

MESA is the term used to refer to test software that is distributed to vendors in advance of the Connectathon. As discussed in the rules, participants are required to run MESA tests in advance of the IHE 2010 North American Connectathon successfully complete/pass the tests and submit logs indicating success by published dates.

Historically, the MESA software was created by one organization and distributed and supported by that organization. Now that IHE has grown into more domains, the model for software development has changed, as has the support mechanism. To locate the test software needed for your Integration Profile/Actor pairs, please refer to the following web page:

<http://ihewiki.wustl.edu/wiki/index.php/>

This will include links for all domains and the different producers of software.

### 7.1 MESA Test Process

*Not all profiles will have MESA test software for the 2010 cycle. The list of profiles with MESA tests will be published by the Project Managers (see the URL listed in section 7 above). This web page will also list those profiles without MESA/pre-Connectathon tests for the 2010 test cycle.*

All participants are required to run a series of software tests in advance of the Connectathon. These are designed as auditing tests to make sure you have prepared in advance; these are not full test suites or certification tests for a profile.

The general model for the MESA tests can be described as follows:

1. A number and name are assigned to each test. Tests cover a use case or requirement that is found directly in a Technical Framework.

2. Each combination of actor/profile pairs will be assigned one or more tests to complete in advance of the Connectathon. These requirements are listed in the Kudu testing management system.
3. The same test number/name may be reused for different actors in the same use case in the same profile (i.e., testing both the source and target of a transaction). Test names/numbers are not reused across profiles or domains.
4. Each participant is responsible for downloading the appropriate MESA software and installing that software on a system in their laboratory. See the “Important Web Addresses” section below to find the URLs to find the appropriate MESA software.
5. Each participant runs each test as documented. Each test should have an evaluation script or other mechanism for generating a result log or success log. (In some cases, the log may be stored on a remote system if administered remotely, e.g., by NIST). Each participant is responsible for capturing the result/success log and submitting that file to the Kudu system.
6. Each participant is required to submit results for all listed tests. Each participant is required to complete all tests with “0 errors” or other indications that the tests are completed successfully. Participants are not to submit test results with known errors.
  - a. In some cases, the tests will have a bug that you will uncover. For example, some tests may be looking for an HL7 formatted name (WOLF^CHARLES) and your system may send a legally constructed alternative (WOLF^CHARLES^^). Exercise some judgment when reading the MESA results. Post bugs for these erroneous reports, but you may submit your results with annotations to help guide the Project Managers who perform grading.
7. Participants are given a bug-reporting web system to log bug reports on the MESA tools. The tools are our best effort, but we make mistakes or misinterpret the Technical Framework. If you find a significant error in the MESA tools, you are required to submit a bug report and not just declare the test broken. By submitting a bug report, we can fix the problem and reissue the software.
8. Each participant is required to submit test results by the published deadlines which will be provided by Connectathon Managers ([Felhofer](#), [Moore](#)) in ongoing communications.

## 8 IHE Connectathon Test Process

The IHE 2010 North American Connectathon follows this general model:

1. Participants should arrive at the location the evening before. Come to the site on Monday morning at 8:30am CT to find your boxes. Uncrate your boxes and connect your equipment to the network. The sponsors may support setup work on Sunday. That information will be announced later.
2. Connect to the Kudu testing management system using the published IP address. Run several “tests” as dry runs before the official start time (10:00am CST).

3. At 10:00am CT on Monday, all practice tests that you have run are removed from the Kudu testing management system. There will be an announcement in advance of this step, and then the database will be cleared. The IHE Connectathon is then open.
4. Use the Kudu testing management system which will list potential test partners for tests you need to run. If a potential partner is busy with another test, they will not show up in your list at that moment.
5. Most Kudu tests are unit tests that involve a single actor or an actor with one partner. Some tests do require three actors. Experience has taught us to minimize the number of three-actor tests as it is hard to coordinate three people (much less four).
6. Find an idle partner and contact them (walk over to their table, call with Skype). If they have time to test with you, one of you will start the test in Kudu. Complete all of the steps listed in the test. When you are finished, you will use Kudu to mark the test complete. This will signal a Connectathon monitor to come to your table and ask you to repeat the test live and/or show evidence that you completed the test successfully.
  - a. It is considered bad form to use Kudu to find a test partner and to lock that partner with Kudu without asking them first. It is also bad form to just start sending messages to someone and then walk over and ask “Did you get that XXX that I sent you?” The normal and expected Connection response is a blank stare.
7. After you complete a test, go on to start another test. You may find it efficient to use the same partner to run several tests in succession.
8. At the end of Tuesday, Wednesday and Thursday, the Connectathon Managers (Moore, Felhofer) will examine the test results and determine which systems have successfully completed testing for actor/profile pairs. These results are posted in Kudu. You should examine the results in the morning to determine your plan for that day and the remainder of the week.
9. Participants will be grouped into larger test groups during the week for full workflow tests under the direction of the Project Managers. The purpose of these tests is to make sure that different combinations of transactions and/or profiles are properly tested and operational. This will help find issues that are not uncovered by the Connectathon unit tests.

## **9 IHE Connectathon / HIMSS Interoperability Showcase Demonstration Linkage**

As mentioned above, successful completion at the IHE 2010 Connectathon is an IHE requirement for participating in any sponsored IHE or HIMSS Interoperability Showcase demonstration. Each participating system must successfully complete all required tests as a requirement for participation.

Some demonstrations may place other requirements on participants that are not explicitly found in a Technical Framework. The HIMSS Interoperability Showcase may place some requirements on your system for patient identification management that are not defined as prerequisites of other profiles. For example, you may be required to support PIX or PDQ.

It is your responsibility to determine these extra requirements the Demonstration Managers (Donnelly). If these require extra profiles that you had not previously considered, you must register them in Kudu and perform the appropriate tests. Connectathon Managers (Moore, Felhofer) are not monitoring those requirements; they are your responsibility.

## 10 Time Management

The Sponsors and Project Managers will not hold the Connectathon open for extended periods in the evening to accommodate your testing. You are responsible for managing your time to make sure you complete your tests. Here are some suggestions:

1. Read the Connectathon test plans in advance of the Connectathon. It is our goal to publish at least 30 days in advance. This will help you understand your requirements and also give you the chance to correct any ambiguous statements.
2. After the configuration deadline passes (Nov 30, 2009), load configuration data for all possible test partners in your system before shipping to the Connectathon. There is no reason to configure systems on site. Yes, some poorly prepared individuals will change their configuration on site. We cannot prevent that, but you can be prepared.
3. Make an honest assessment of the tests you need to complete before you arrive and reconsider this at the end of Monday, Tuesday and Wednesday. We will not allow you to add actors/profiles at the Connectathon. However, it is common for testers to realize mid-week that they cannot complete all required tests. If you come to that conclusion, work with the Connectathon Managers (Felhofer, Moore) to remove those combinations from Kudu. That will prevent other partners from pestering you about those actors.

## 11 Staying Safe and Comfortable

The Connectathon can be a stressful event for testing participants. We strongly recommend that you adhere to the daily schedule for testing, take breaks, eat regular meals and get a good night's throughout the week. The sponsors will try to make the event as comfortable as possible for you and will be available throughout the week if you have requests or special needs.

Lunch will be provided each day to testing participants. You will need to find breakfast and dinner on your own. There is a wealth of eating establishments in the area; the sponsors will provide a list of some recommendations (and see <http://chicago.diningguide.com/dl1dt.htm>).

Chicago is a world-class city with many nightlife attractions. We encourage you to take advantage of them, so long as they don't interfere with your testing responsibilities. We also urge you to observe reasonable cautions to limit the risk of harm from accident or criminal activity. Travel in groups, select destinations carefully, avoid unlighted or remote areas, etc.

Chicago is also a Midwestern city with a well-earned reputation for harsh winter weather. Please prepare for the worst by packing layers of warm, weather-resistant clothing. Outerwear and footwear capable of keeping you comfortable in snow and cold is essential.

A security guard is on duty at all times in the testing area. Nevertheless, please be careful to guard your personal belongings. The sponsors cannot be responsible for the loss of, or damage to, your personal property.

## 12 Connectathon Policies and Guidelines

Please review the full set of IHE Connectathon Policies and Guidelines at:  
[http://www.ihe.net/north\\_america/connectathon\\_2010\\_participants.cfm](http://www.ihe.net/north_america/connectathon_2010_participants.cfm).

## 13 Skype

The Connectathon is held in a large hall and communication is difficult. Testing works best when you are sitting next to your partner so you can communicate. Because this is not physically possible, we will use several methods of communication:

1. The Kudu testing management system has a chat window that can be used for each test you run. In brief, this can be used to record comments, data and logs for each test that you run with a partner. This is a great way to store the logs you need to show a Connectathon Monitor after the fact.
2. For more immediate communication, we request that each system have one registered account with Skype (www.skype.com). As long as you are using Skype to Skype communication, the service is free. This will give you audio communication or a more interactive chat session than is possible with Kudu.
3. Some participants have corporate policy that precludes them from using Skype. Your corporate policy on Skype takes precedence over our request for communication. Use your best judgment.
4. Cell phones did not work well in that room in previous years. We expect that will be the same in 2010. Be prepared to leave the room to make phone calls and/or use messaging on your computer.

IHE Connectathon Managers (Felhofer, Moore) may use Skype for the interview process during August and September, but you will not be required to use Skype for that interview. Please register for your account now; you will give us these details when you register your systems in Kudu for the IHE Connectathon.

## 14 Important Dates for IHE 2010 North American Connectathon

June-September 2009	IHE 2009-2010 Webinar Series  Thursdays June – September 2009. Schedule of topics: <a href="http://www.ihe.net/north_america/connectathon_2010_participants.cfm">http://www.ihe.net/north_america/connectathon_2010_participants.cfm</a>
July 2009	Radiology domain publishes Integration Profiles for Trial Implementation
Aug. 2009	ITI domain publishes new integration Profiles for Trial Implementation PCC domain publishes new Integration Profiles for Trial Implementation. PCD domain publishes new Integration Profiles for Trial Implementation QRPH domain publishes new Integration Profiles for Trial Implementation
Aug.28, 2009	Electronic registration for IHE 2010 NA Connectathon opens; registration for IHE Connectathon and HIMSS10 Interoperability Showcase is based on this on-line registration. Electronic registration: <a href="http://ihe-kudu.wustl.edu/na2010">http://ihe-kudu.wustl.edu/na2010</a>
Sept. 30, 2009	Registration for IHE 2010 NA Connectathon closes. By this date, you should have completed: <ul style="list-style-type: none"> <li>• Electronic registration for IHE Connectathon</li> <li>• Sent contract for IHE Connectathon, with payment, to RSNA</li> <li>• Sent contract for HIMSS, with payment, to HIMSS (if applicable)</li> </ul>
Sept. 21 – Oct. 16, 2009	Telephone interviews conducted by Technical Project Manager for each Participant who is participating in the IHE Connectathon for the first time . A 15 minute telephone interview with the Connectathon Technical Project Managers (Moore, Felhofer) is a required step in the Connectathon process.
Oct .13, 2009	Digital certificates published for systems which have completed Connectathon configuration. Use these for testing with NIST and for Connectathon testing.
Oct. 12, 2009	Pre-Connectathon test software installation results are due. This is for all participants in NA 2010 Connectathon. (This is an installation test to make sure you have installed the software.) Enter results in Kudu ( <a href="http://ihe-kudu.wustl.edu/na2010">http://ihe-kudu.wustl.edu/na2010</a> )
Oct. 2009 – Feb. 2010	Mandatory webinars for all participants in HIMSS10 Interoperability Showcase
Nov. 30, 2009	Configuration information due for all participants in IHE 2010 NA Connectathon. Enter these in Kudu ( <a href="http://ihe-kudu.wustl.edu/na2010">http://ihe-kudu.wustl.edu/na2010</a> )
Dec. 1, 2009	All pre-Connectathon tests results are due in Kudu.
Dec. 7, 2009	IHE Connectathon Technical Project Managers have completed review of pre-IHE Connectathon test results. Any participant considered at risk for IHE Connectathon failure will be contacted during this week.
Jan. 11, 2010	System setup begins at 8:30am CT. Connectathon testing begins promptly at 10:00am CST.
Jan. 15, 2010	Connectathon ends promptly at 12:00pm CST.
Mar. 1-4, 2010	HIMSS 2010 Interoperability Showcase Demonstration

## 15 Contact List

There are many individuals involved in managing the IHE NA 2010 Connectathon. Please refer to the list below for contact information.

General Connectathon Logistics, including paper registration/contracts	This list allows participants (and anyone else) to send email to RSNA staff who manage Connectathon logistics.	<a href="mailto:ihe@rsna.org">ihe@rsna.org</a>
General questions about IHE membership, committees and activities.	This list allows anyone interested in participating in IHE to send email to sponsoring organization staff.	<a href="mailto:secretary@ihe.net">secretary@ihe.net</a>
Connectathon Electronic Registration (Kudu) Questions	Steve Moore, Lynn Felhofer	<a href="mailto:moores@mir.wustl.edu">moores@mir.wustl.edu</a> , <a href="mailto:felhofer@charter.net">felhofer@charter.net</a>
HIMSS 2010 Interoperability Showcase Registration	Lisa Spellman	<a href="mailto:ihe@himss.org">ihe@himss.org</a>
Radiology Sponsor Questions	RSNA	<a href="mailto:ihe@rsna.org">ihe@rsna.org</a>
ITI, PCC, PCD, Quality Sponsor Questions	Lisa Spellman	<a href="mailto:ispellman@himss.org">ispellman@himss.org</a>
Overall Management of Connectathon	Steve Moore, Lynn Felhofer	<a href="mailto:moores@mir.wustl.edu">moores@mir.wustl.edu</a> <a href="mailto:felhofer@charter.net">felhofer@charter.net</a>
Technical Management of: Cardiology, ITI, PCC, QRPH and Radiology Domains	Steve Moore, Lynn Felhofer	<a href="mailto:moores@mir.wustl.edu">moores@mir.wustl.edu</a> <a href="mailto:felhofer@charter.net">felhofer@charter.net</a>
Technical Management of Anatomic Pathology and Laboratory Domains	Eric Poiseau	<a href="mailto:eric.poiseau@inria.fr">eric.poiseau@inria.fr</a>
Technical Management of PCD	Manny Furst	<a href="mailto:efurst@imp-tech.com">efurst@imp-tech.com</a>
HIMSS Interoperability Showcase Demonstration	John Donnelly	<a href="mailto:jtdonnelly@intepro.biz">jtdonnelly@intepro.biz</a>

## 16 Email Lists

There are many email lists used to manage the IHE process and demonstrations. IHE Committee Email lists are maintained on the IHE wiki [http://wiki.ihe.net/index.php?title=Mailing\\_Lists](http://wiki.ihe.net/index.php?title=Mailing_Lists).

The table below documents mailing lists specific to the IHE Connectathon and HIMSS Interoperability Showcase.

List Function	Email address	Request to be Added
To get added to any of the email lists hosted at RSNA		<a href="mailto:ihe@rsna.org">ihe@rsna.org</a>
IHE General News. Announcements roughly once per month.	<a href="mailto:ihe@rsna.org">ihe@rsna.org</a>	<a href="mailto:ihe@rsna.org">ihe@rsna.org</a>
IHE NA 2010 Connectathon information. Lots of notifications from the sponsors and Technical Project Managers. Connectathon questions from participants.	<a href="mailto:ihe-north-america-connectathon-2010@googlegroups.com">ihe-north-america-connectathon-2010@googlegroups.com</a>	Use Google Groups and self -subscribe
HIMSS 2010 Interoperability Showcase Announcements	<a href="mailto:HIMSS10ShowcaseNews@googlegroups.com">HIMSS10ShowcaseNews@googlegroups.com</a>	Use Google Groups and self -subscribe
HIMSS 2010 Interoperability Planning Committee	<a href="mailto:ihe@himss.org">ihe@himss.org</a>	<a href="mailto:ihe@himss.org">ihe@himss.org</a>
PCD Specific announcements for Connectathon and/or HIMSS 2010 showcase	<a href="mailto:ihepcdconnectathon@googlegroups.com">ihepcdconnectathon@googlegroups.com</a>	Use Google Groups and self -subscribe at <a href="http://groups.google.com/group/ihepcdconnectathon">http://groups.google.com/group/ihepcdconnectathon</a>

## 17 Important Web Addresses

Function	Owner	URL
All general IHE Information	HIMSS/RSNA	<a href="http://www.ihe.net">http://www.ihe.net</a>
IHE 2010 NA Connectathon 2010 Participants' Home Page	Connectathon Managers and HIMSS/RSNA	<a href="http://www.ihe.net/north_america/connectathon_2010_participants.cfm">http://www.ihe.net/north_america/connectathon_2010_participants.cfm</a>
IHE 2010 NA Connectathon Managers Resources for Implementers	Connectathon Managers	<a href="http://ihewiki.wustl.edu/wiki/index.php/North_America_2010">http://ihewiki.wustl.edu/wiki/index.php/North_America_2010</a>
IHE Wiki with more detailed, engineering information	IHE Co-chairs	<a href="http://wiki.ihe.net">http://wiki.ihe.net</a>
IHE 2010 NA Connectathon Electronic Registration (Kudu)	Mallinckrodt Institute of Radiology / INRIA	<a href="http://ihe-kudu.wustl.edu/na2010">http://ihe-kudu.wustl.edu/na2010</a>
HIMSS 2010 IHE Interoperability Showcase	HIMSS	<a href="http://www.interoperabilityshowcase.org">http://www.interoperabilityshowcase.org</a>
List of Downtown Chicago Restaurants	DiningGuide.Network	<a href="http://chicago.diningguide.com/dl1dt.htm">http://chicago.diningguide.com/dl1dt.htm</a>

## 18 Kudu

These are the main functions you need to understand:

1. Create a login account for your organization
2. Add organizational and contact information
3. Register one or more systems for the Connectathon
4. Enter configuration information for your systems
5. Enter MESA test results for your system
6. Identify test partners before the Connectathon
7. Find the profiles that might be at risk because there are insufficient test partners
8. Find configuration information for all other systems you will test with
9. Find the network configuration information
10. Prior to the Connectathon, review the tests you will be required to perform; provide feedback to Project Managers if you find errors
11. Find the map of the Connectathon area, your table and location of testing partners.

## 19 ATNA Profile and Digital Certificates

The ATNA profile merits extra consideration as this profile discusses what logging needs to occur and how to secure transactions, but also has other requirements on securing systems. Please read the ITI Technical Framework closely. Even if your system is “only a server”, you still have requirements for logging access to PHI. Digital certificates used in the ATNA profile are the responsibility of the Connectathon Project Managers (Felhofer, Moore) and will be described in a separate document available at the close of registration.

## 20 Interoperability Showcase Demonstration Advice

1. Connectathon Managers (Felhofer, Moore) are not managing demonstrations. Discuss HIMSS 2010 IHE Showcase demonstration issues with the proper manager (Donnelly, Spellman).
2. Your system will have configuration information registered in Kudu. This includes an IP address, port numbers and other parameters. Use the same configuration at the demonstration that you use at the Connectathon. The only change could be that the subnet used at a demonstration is different. In that case, it is likely the last octet of your address will stay the same.
3. After the Connectathon is over, take your equipment home and lock it up in a room. Resist the temptation to “fix this one last thing”. You will spend extra time during the later demonstration setup and irritate your partners.

## 21 Miscellaneous IHE Connectathon Advice

1. Agile systems that can reconfigure quickly have the best chance of completing more tests. The IHE Connectathon is not a normal installation environment. Rather than installing your software one time in a clinical setting and leaving that unchanged for several months, you will be asked to reconfigure multiple times to test messages with different partners (on the same day, or during a single hour). Some things that might not make sense clinically (a pull down list of targets to send a message) make more sense in a Connectathon.
2. The IHE Connectathon is primarily an engineering event, rather than a public exhibition. Comfortable clothing is encouraged.
3. The network is described in a separate document.
  - a. Do not bring firewalls to the Connectathon or demonstrations. The network should have a firewall.
  - b. If you must bring a firewall, do NOT use NAT to translate from the IP address we give you to something else.
  - c. Do not perform port forwarding.
  - d. Do not use a firewall to split services across machines.
  - e. If you need more IP addresses, ask for them BEFORE the Connectathon; they are free.
  - f. Follow our advice (based on many years of observation). These are just more things that will distract you from your mission.
4. If you are an IHE Connectathon participant and are using equipment that is shipped to the site, know the following:
  - a. Name of the carrier
  - b. Reference number of the shipment
  - c. Phone number/name of the person in your organization who shipped the equipment (and will be at their desk on Connectathon Monday to help you find your equipment).
5. If you are shipping equipment back from the Connectathon, have that information with you in advance of the Connectathon. Do not try to figure that out at the Connectathon site. We recommend that you bring complete pre-printed shipping labels for return shipping.