

**IHE-RO Planning Committee
Monday, September 12, 2011**

**Face-to-face Meeting
ASTRO Headquarters
Fairfax, VA
7:00am-3:30pm**

PLANNING COMMITTEE ATTENDEES

Jatinder Palta
Prabhakar Tripuraneni
Ramesh Rengan
Sha Chang
Rishabh Kapoor
Nick Linton (Elekta)
Dave Nikolai (Elekta)
Akkamma Ravi
Stephanie Terazakis
Todd Mcnutt

Colin Field
Mark Pepelea (Philips)
Bridget Koontz
Adam Earwicker (Varian)
Kevin Riddell
Bruce Curran
Kevin Albuquerque
Bridget Koontz
Barry Asch
May Wahab

ASTRO STAFF

Sidrah Abdul
Barbara Muth
Laura Thevenot
Laura Gogal
Emily Wilson
Kathy Peters

TECHNICAL COMMITTEE ATTENDEES

Stuart Swerdloff (Elekta)
Harold Beunk (Nucletron)
Chris Pauer (Accuray)
Uli Busch (Varian)
Ashutosh Shirsat (Siemens)
Lakshmi Santanam (Washington University)
Walter Bosch (Washington University)

INTRODUCTION

Dr. Rengan initiated the meeting with a welcome and introductions. The goals of the meeting were to define what we can offer to the Radiation Oncology Community:

- Where should we be in 1 year?
- Where should we be in 2 years?

Dr. Rengan presented an overview of Radiation Oncology and demonstrated the need for the IHE-RO initiative in the field.

- 0.4% error rate for RO delivery (JHU study, Eric Ford & Stephanie)

WEB TOOL

The web tool (aka "IHE-RO Helper") demonstration was given by Rishabh Kapoor and Dr. Palta. The web tool would show only the positive results from the Connectathon, no other data. It was suggested to start with the system (actor), instead of the use case and to include the necessary RFP language. Who is the end user that would benefit from the tool? Any clinician. Dr. Palta discussed that the grant can support the initial development of the tool. There are still some questions about who would host it and who would provide the maintenance for it. The vendors present were in agreement with the tool

providing information that is already available on <http://product-registry.ihe.net/PR/home.seam> but in an easier-to-digest form).

FDA MEETING OVERVIEW

Emily Wilson reported that there were close to 20 FDA staff present at the FDA and ASTRO meeting on IHE-RO that took place Friday, September 9. The focus of the meeting was to educate the FDA on IHE-RO and engage them in discussion of how the FDA can benefit from the IHE-RO initiative in their approval processes. Emily Wilson reported that the people in the room were not the policy makers. However, they were interested in furthering FDA's involvement with ASTRO. They requested a list of priority areas and to involve them in the appropriate conference calls. A follow up call will be scheduled with FDA and ASTRO.

PROMOTIONAL COMMITTEE UPDATES

There has been continued work for IHE-RO promotional activities through:

- articles in the AAPM newsletter, ASTROnews, PRO
- ASTRO's social media page
- IHE Webinar
- Flyers

Pending work on:

- IHE-RO SAM (Self Assessment Module)
- IHE-RO web tool
- IHE-RO success stories
- Dr. Rengan talk at SROA Sunday, October 2

Potential avenues for grant submission:

- STDR/SBIR
- Scientific rationale (conducting root cause analysis, etc).

USE CASE DEVELOPMENT CYCLE

There was some discussion on the use case solicitation process (is current process still valid?) Should we have themed use cases? It was concluded that each year the PC should revisit priorities. Not included in this process should be the ones that the TC are *currently working on*. Possibly create timeline on Wiki (TC vs PC so that the committee can update on progress).

GRANT SUBMISSION/ACADEMICS

The committee concluded that there would not be an establishment of a separate academic committee.

OTHER DISCUSSIONS

During free flowing discussion, the following ideas were presented about what people wanted to see in IHE-RO's future:

- **Awareness to vendors to reach to end users** (through their sales and marketing).
- Make interoperability mandatory (peer pressure on vendors on acceptance testing, include interoperability).
- Template for requests
- Best practices mapping
- Forum for education on profiles (For vendors)

- Workflow fame at ASTRO on Connectivity
- More judges (from the end user) at T.C. Connectathons
- Find a way to make improvements in interoperability quantifiable
- Involve clinical physics input & involvement
- ATC + DICOM- Test Lab
- Mandate good housekeeping seal
- Have company whose business is to provide inter-connectivity to users
- Research with stakeholders and end users
- Close between clinical reality and IHE
- Ability to trace IHE statements
- **Survey end users**
- Look at what other IHE domains are doing
- Bring dosimetrists and RT Techs to process (stakeholders engage)
- Information about IT tech into academic curricula
- Interoperability prize
- Education and dialogue between vendors
- Make initiative increase in sexy
- **Test lab - accelerate interoperability**
- Improve interface with other members of physician community
- Granular process for prioritizing use cases
- Off script testing/room for innovation in Connectathon
- Emphasize patient safety basis
- Participation – other societies
- Process – Database of issues
- Certification- test lab
- Show how IT improves patient safety
- Simplify message of IHE-RO
 - Web tool
- Convince vendors to buy in
- Error reporting registry
- Example of configuration in clinic, envision IHE-RO compliant
- What in it for the end user
- Testing lab
- Work with ESTRO and EFOMP
- User success stories
- Oncology round table
- Stakeholder engagement (ASTRO, AAPM..)

Bolded ideas were those that were repeatedly mentioned.

CONCLUSIONS

- Test Lab
 - What does it mean?
 - How to make it happen?
 - Who is it serving?
 - Potential users

- Vendors
- Business plan
 - What entities (AAPM, ASTRO, ESTRO, EFOMP)
- Identifying and engaging stakeholders, everyone
- Closing the loop with the end user (mandate)
 - Simple interface to IHE-RO (ASTRO, AAPM, ASRT. SROA)
 - Cost of failure
- Academic initiatives/ curriculum/ ATC
- Use case cycle
 - Solicitation
 - Transfer to technical committee
 - Feedback on status

ADDITIONAL NAMES FOR “IHE-RO HELPER” – Doodle poll vote

- IHE-RO matchmaker
- IHE-RO Interoperability report card
- Rad Onc plug and play
- IHE-RO Compatibility Calculator
- RO Product Match
- RT Connection
- Seamless Solutions
- Plug and QA
- IHE haRmOny
- IHE ROCC (Compliance Checker)
- IHE LP?

ACTION ITEMS

TASK	PERSON RESPONSIBLE	DUE DATE
Discussion with Corporate Advisory Council on: <ol style="list-style-type: none"> 1. IHE-RO web tool 2. How to see ‘in-between’ testing 3. Underwriters laboratory model for Connectathon testing 	Jatinder Palta/Prabhakar Tripuraneni	Corporate Advisory Council Meeting