QIBA fMRI Technical Committee Call Agenda

**General Items:**
- QIBA fMRI/DICOM WG 16 (Jim R)
  Julie circulated an excerpt from T-con MINUTES DICOM WORKING GROUP 16 held on Jan. 11, 2012

**ASFNR Meeting**
- Poster was accepted for presentation
- Face to face meeting **Friday morning between 7:00 - 8:20am** - Continental breakfast will be served (no charge for the room)
- Agenda – go through current draft of profile in more detail – establish writing/section authors
- Date: **Friday, March 9, 2012**
  Time: **7:00 am (ET)**
- Room: **Wekiwa 1** - (the room will be available from 6:30 am – 9:00 am)

**NIBIB Funded Projects**
- Semi-annual NIBIB government project update report is due on March 10, 2012
- Please include explicit details concerning any abstracts, publications, scientific presentations, or related activities you may have had in connection with your NIBIB-funded project

**Continuation of Strategic Plan (see March 2011 Semi Annual Report Draft – Paul)**
- How do preliminary results move our claims/profile development forward (i.e., what is the next step in evaluating the results and incorporating what is achievable in the current draft of the profile)
- Develop a systematic method to investigate and describe reproducibility/variability
  - Assessment (what is achievable and under what conditions)
  - Sources of variability (avoidable, not avoidable)
  - Mitigation strategies

**Claims Construction:** (Last suggestion by Jim V):

_A. fMRI can reproducibly localize the center of mass of motor cortex functional brain regions to within 5 mm._

_B. fMRI can reproducibly determine the spatial edge of motor cortex functional brain regions to within 5 mm._

_C. fMRI can reproducibly localize the center of mass of language cortex functional brain regions to within 10 mm._

_D. fMRI can reproducibly a laterality index for hemispheric dominance of cortical language functional regions to within 20%._

_E. fMRI can reproducibly determine the spatial edge of language cortex functional brain regions to within 10 mm._

**Discussion**
- NIBIB update report is due in less than two weeks.

**DICOM Working Group Update (Dr. Reuss)**
- Needs to find correct working group for defining standards within PACS arena
- Working on status update for PACS vendors which are not represented in MR group; suggestions welcome

**ASFNR meeting**
- Group plans to divide up times based on schedules to “host” the poster
- The poster has been shipped to ASFNR
• Agenda for the f2f meeting on March 9th is to review the current draft of the Profile as a group and assign section authors for areas that need additional information
• For those not attending the meeting, Audio conference dial-in details have been circulated via email from RSNA
• Dr. Reuss proposed a survey or poll to collect information from people who are using fMRI clinically in attendance at ASFNR and will work on a DRAFT in collaboration with Dr. Elsinger for group feedback by Friday this week
  o He would like to distribute this during or after the BOLD workshop; an envelope will also be available at the poster for pick up and return
  o Team members who are also exhibiting will distribute the survey at their booths as well
  o A brief edited version of the matrix should provide the key information for the survey with the goal to find out what people are actually doing with fMRI
  o Dr. Voyvodic suggested adding questions about quantitation and reproducibility
• Dr. Voyvodic has a talk on Thursday afternoon and plans to discuss QIBA efforts
• Dr. Elsinger has a luncheon presentation on Wednesday and will mention current QIBA efforts and direct attendees to poster and Dr. Voyvodic’s talk.

Strategic Planning Discussion
• Dr. Carson reviewed the fMRI Tech Committee’s funded projects Gantt chart
  o Dr. Voyvodic’s project on track now with a revised end-date; for completion in July
  o Dr. DeYoe’s project is on track now with a revised end-date
  o Dr. Pillai’s project currently in second phase of three phases and should be completed by the end of August 2012
  o Since the NIBIB contract ends at the end of September 2012, RSNA will require notification several months prior to this deadline whether no-cost project extensions are required
• First draft of Profile without data from the projects, to be ready by July 2012
• October 30th estimated for Profile release for Public Comment
  o Public Comment to run until the end of December
• Profile will be informed by:
  o Data collected regarding Workflow
  o Consensus
  o Currently funded Projects
  o Literature to support claims (where appropriate)
• Suggestion made to assign working teams to sections of the Profile
  o Next step will be field testing. Would like to consider assigning members of the group to work on compliance / field testing in parallel to the Public Comment effort
• Dr. Carson to update Gantt chart/ project plan and distribute to the group.

Next Steps
• Group to discuss Strategic Plan on next call with focus on Phase I reproducibility and NVU studies
• Group to finalize poll for ASFNR by Friday, 3/2 and make copies for the meeting
• Dr. Carson to update Gantt chart/ project plan and distribute to the group
• Group to discuss Profile during f2f meeting at ASFNR on March 9th with audio call-in available

Next Meetings
• QIBA fMRI Reproducibility WG, Tuesday, March 6th at 11 am CST
• QIBA Profile meeting, Friday, March 9th from 7-8:20 am, EST, at ASFNR, Wekiwa1 or via audio call
• QIBA fMRI Technical Committee, Wednesday, March 14th, at 11 am CST