

QIBA fMRI Biomarker Committee Call Summary
Wednesday, June 29, 2016 at 11 AM CDT
Call Summary

In attendance

James Reuss, PhD (Co-Chair)
Edward Jackson, PhD

Feroze Mohamed, PhD
Jay Pillai, MD

Uma Ranjan, MSc, PhD
Yuxiang Zhou, PhD, DABR

RSNA

Joe Koudelik
Susan Weinmann

Moderator: Dr. Reuss

Review of Previous Call Summary

- The 06.15.2016 call summary was approved as presented

Profile 1.0 draft review (Mohamed, et al.)

- A line-by-line review continued with discussion on the following issues:
 - Guidance on COM sensitivity to performance and thresholding
 - Post-processing performance requirements were re-inserted into the Profile
 - Post-processing vs. Image Data Reconstruction specifics needed
 - Vendor-based software requirements needed regarding image post-processing as part of a separate conformance statement created by a vendor
- Drs. DeYoe, Mohammed, Voyvodic and Elsinger to follow up offline to address outstanding issues/gaps
- Additional discussion needed on section 3.9: “How to calculate biomarkers”
- More work to be done on the appendices
 - Additional details of acquisition parameters needed
 - Calculations from the DRO projects to be included
 - Device-specific performance parameters to be added, e.g., field strength
 - Conformance statement to be provided by scanner manufacturers as well as post-processing software manufacturers created by vendors after release of the profile
 - Dr. Reuss recommends that all vendor-specific details, e.g. the acquisition characteristics, be part of vendor-created conformance statements. The Appendix should only contain the generic template for information to be included. Embedding vendor-specific details directly in the profile should be avoided.
- Dr. Mohammed to make additional updates within the next couple of weeks
- Updated Profile to be distributed to core fMRI group
- When final updates are made, the Profile is to undergo an internal fMRI BC review/comment period
- Once the internal review is completed, the next step is to distribute the Profile for public comment (to the entire QIBA cross-modality membership)
- It was suggested that any unresolved issues can be addressed in the next version of the fMRI Profile (v2.0)

Next calls:

- QIBA fMRI Bias TF call - Tuesday, July 5 at 11am CDT
- QIBA fMRI Biomarker Committee call - Wednesday, July 13 at 11am CDT