

FRMAC Working Group Updates for Semi-Annual State/FRMAC Call

July 27, 2016





Operations WG Updates

- Next Working Group Meeting
 - March 3, 2016
- Working on:
 - Upcoming exercises in 2016
 - FRMAC Operations Manual Revision
 - Lessons Learned and AAR Repository



Monitoring WG Updates

- New Working Group Chair – Bob Augdahl
- Next Working Group Meeting
 - March 2016 (date TBD)
 - Need to schedule joint Meeting with Health & Safety
- Working on:
 - Lessons learned from SE-15
 - Updating Monitoring and Assessment Plan
 - Revising procedures for deployment to place assets in the field sooner
 - Equipment updates



Assessment WG Updates

Summary of FRMAC Assessment Working Group Activities:

- AWG review and approval of new methods:
 - New tobacco assessment method has been approved by the AWG
 - KI protection method (pending final approval)
 - Skin dose method (pending final approval)
- Building protection factors (BPFs)
 - AWG Focus Group led by LLNL has completed literature review of BPFs,
 - Working to finalize recommended default BPFs
 - Develop approach on how FRMAC/CM will use BPFs for Early and Intermediate Phase Assessment



Assessment WG Updates

Summary of FRMAC Assessment Working Group activities (cont.):

- AWG-approved modeling changes:
 - Adopt ICRP-recommended lung clearance type assumptions as our default
 - Implement alternate particle size distributions (PSD) assumptions for radiological dispersal device (RDD) and nuclear fallout modeling
 - Implementation Impacts:
 - Requires changes to the FRMAC Assessment Manual
 - Requires changes to Assessment Scientist training program
 - Requires coordinating this change with other agencies (NARAC, NRC, OGT), as appropriate



Assessment WG Updates

FRMAC Assessment Manual, Volume 1 Status:

- Website address:
<http://www.nv.doe.gov/nationalsecurity/homelandsecurity/frmac/manuals.aspx>
- Current version is April 2015
- Plan to release updated *FRMAC Assessment Manual* late 2016 or early 2017
 - Incorporate AWG-approved methods
 - Incorporate updated building protection factors
 - Incorporate Water DRL method
 - Incorporate update lung clearance type and particle size distribution assumptions



Assessment WG Updates

Turbo FRMAC[©] Software Status:

- Website address: <http://nirp.sandia.gov/>
- Current version is Turbo FRMAC[©] 2015
- Turbo FRMAC[©] 2016 scheduled to be released *soon*
 - Includes input panel updates
- Planned Improvements:
 - Implement FRMAC Intervention Level (FIL) for ingestion analysis
 - Implement new AWG-approved defaults for lung clearance types and particle size distributions for RDDs and nuclear fallout
 - Implement KI protection method
 - Implement Water DRL method
 - Developing ability to produce briefing products to transmit relevant technical information and to support Radiological Operations Support Specialist (ROSS) duties



Assessment WG Updates

Assessment Scientist Training Update:

- *Introduction to Assessment Science Training (AS 100):*
 - Scheduled for August 9-11, 2016 at CDC's Atlanta, GA facility
 - Scheduled for November 14-16, 2016 (Boston, MA area)
- *Assessment Science Awareness (AS-50):*
 - Broken up into 3 modules
 - Module 1 being finalized as web-based training through successor of the Emergency Operations Training Academy (EOTA)
 - Modules 2 and 3 will be presented via webinar to enable student-instructor interactions
- *Assessment Science Continuing Training (AS 400/401)* continues on a quarterly basis
- Contact Tom Laiche (tlaich@sandia.gov) for Assessment Scientist training information



Health & Safety WG Updates



Lab Analysis WG Updates



QUESTIONS?