

FRMAC / State Semi-Annual Webinar/Conference Call Agenda
27 January 2016
08:00 - 09:30 PDT

NOTES

- Roll Call: States, agencies – RSL-N

Discussion Topics

- **FRMAC Work Group Updates and Introduction - FRMAC Program Manager**
 - **Operations Work Group (FRMAC Program Manager, DOE/NNSA)**
 - Next Operations Working Group Meeting March 3, 2016
 - Upcoming exercises in 2016
 - FRMAC Operations Manual Revision
 - Lessons Learned and AAR Repository available to exercise community
 - **Monitoring and Sampling Working Group (Chair, RSL-N)**
 - New Working Group Chair- Bob Augdahl
 - Next Working Group Meeting March 2016
 - Need to Schedule joint meeting with Health & Safety
 - Lessons learned from SE-15
 - Updating Monitoring and Assessment Plan
 - Revising procedures for deployment to place assets in the field sooner
 - Equipment updates
 - **Health and Safety Working Group (Chair, RSL-N)**
 - Templates to make development of health and safety plans more effective and comprehensive
 - Upcoming H&S drill and anticipated additional drills
 - WG will be meeting by webinar this quarter to wrap up discussion and policy on HAZWOPPER
 - **Assessment Working Group (Co-Chair, SNL)**
 - Next Assessment WG meeting is scheduled for March 1-2, 2016, in Las Vegas
 - Review and approve additional Assessment methods
 - Discuss implementation of technical changes to some Assessment methods
 - Discuss implementation of Building Protection Factors
 - Water Derived Response Levels (EPA)
 - Developing website to share Dose Coefficient
 - **FRMAC Assessment Manual**
 - Current version is April 2015
 - Plan to release updated FRMAC Assessment Manual later in FY16
 - Plan to Incorporate changes approved during March 2016 AWG meeting
 - Water DRL method

FRMAC / State Semi-Annual Webinar/Conference Call Agenda

27 January 2016

08:00 - 09:30 PDT

- **Turbo FRMAC Tool Updates (current version is Turbo FRMAC 2015)**
 - Clean up nomenclature and input panels
 - Add AWG-approved methods
 - Include method to calculate water DRLs
 - Implement other technical modeling changes to keep up with FRMAC Assessment Manual
 - Bug fixes
- **Assessment Scientist Training Update**
 - Introduction to Assessment Science Training (AS 100) scheduled for April 12-14, 2016 (Albuquerque, NM)
 - FRMAC Assessment Science Awareness (AS 50) training will be presented at the Health Physics Mid-Year Meeting (January 31, 2016).
 - **Future of AS-50:**
 - Developing one module of AS-50 as web-based training available through DOE's Emergency Operations Training Academy (EOTA)
 - EOTA website address: <http://eota.energy.gov/>
 - 1/3 of AS-50 will be web-based and available through EOTA
 - 2/3 will be presented via webinar to enable student-instructor interactions
 - Assessment Science Continuing Training (AS 400/401) will continue on a quarterly basis
- **Lab Analysis Working Group (Chair, SNL)**
 - Working on webinar training that will include; Lab Analysis
 - Addressing programmatic gaps identified in previous drills
 - RLN sub committee formed to find a sponsor for lab network
 - Written proposal
 - EPA lab leadership interoperability plan with the plan of FEMA
 - Next year jointly working process how to ship samples off site labs and evaluating QA process and address contamination control
 - NRAP in May- labs small field

Special Topics

- **Planning for Consortium of Cytogenetics Labs in N. America, REAC/TS (DUE TO TECHNICAL DIFFICULTIES PRESENTATION WAS NOT MADE).** This presentation may be made during the next State/FRMAC Webinar.
- **Practice Ingestion Pathway Exercise Series at Palo Verde Nuclear Generating Station, ARRA (DUE TO TECHNICAL DIFFICULTIES PRESENTATION WAS NOT MADE)**
- **Radiological Assistance Program (RAP) Consequence Management Community Updates - RAP 2 RRC**

FRMAC / State Semi-Annual Webinar/Conference Call Agenda

27 January 2016

08:00 - 09:30 PDT

- **Tabletop Exercise Support**
 - Silent Thunder TTX---Terrorism scenario involving WMD type materials. Requires First Responder community (L/S/F/T) to determine how their resources would respond to the consequences of the incident; ability for the interagency to work together in a very difficult and challenging environment; and develop/implement a mitigation & recovery strategy to return the environment to an as acceptable condition as possible.
 - Silent Thunder Key Dates:
 - June 2015-R-5, Madison, WI
 - Sept 2015-R-8, Seattle, WA
 - Dec 2015-R-2, Norfolk, VA
 - Isotope Crossroads is very similar to the Silent Thunder series. However, it focuses on Radiological Transportation Security aspects. The scenarios involve the shipment of Cat 1 or 2 radiological materials.
 - July 2015-R-2, Little Rock, AR
 - Aug 2015-R-4, Albuquerque, NM (State Fair VBIED)
 - Sept 2015-R-3, Columbia, SC
- **Site Exercise Support in RAP regions**
 - Region-4-Sept 2015-Waste Isolation Pilot Project (WIPP)
 - WIPP - provided C&C, field monitoring & modeling support
 - Region -7-Sept 2015-Lawrence Livermore National Laboratory (LLNL)
 - LLNL - radioactive materials explosion w/injured/contaminated personnel; provided C&C, field monitoring and modeling support
 - Region -3-Nov 2015-Savannah River Site (SRS)
 - Rad release from fixed operating facility and R-3 supported C&C structure and had FMTs on std-by
- **Outreach Activities**
 - Region -7-Oct 2015-Sacramento, CA (EOD/Hazmat training)
 - Covered- contamination awareness and appropriate measures for dealing with decontamination
 - Region -7-Oct 2015-Santa Clara, CA (Fire Dept/Hazmat Training)
 - Provided equipment refresher training for operating in a contaminated environment
 - Region -1-Nov 2015-RDD Science Based Guidance Pilot Planning Meeting With DHS Involving UASI Cities
 - RDD Mtg: assisted with developing tactical, scientific based response plans for the 1st 100 min. NYC is a pilot for DHS
 - Nov 2015- Also attended the 46th Annual New England Radiological Health Subcommittee Meeting
 - Region -2-Nov 2015-Intergovernmental Meeting With DOE
 - Region -2/3-Dec 2015-Southern States Energy Board Meeting-New Orleans, LA
- **Deployments**
 - Region -3-Multiple dates-Charleston, SC
 - supported Foreign Research Reactor Spent Nuclear Fuel cargo

FRMAC / State Semi-Annual Webinar/Conference Call Agenda

27 January 2016

08:00 - 09:30 PDT

- shipments by monitoring the cargo and ensuring DOT regulations were followed prior to movement
- Region -4-Oct 2015-Los Alamos County, NM
 - unauthorized removal of pwr and hand tools from LANL. Direct and smear surveys taken with all showing non-detectable activity (NDA)
- Region -1-Dec 2015-Cranberry Township, PA
 - Multiple Vortex coolers shipped from Hanford Site in Richland, WA. RAP monitored coolers at a company to confirm whether contamination (i.e. Pu-239) existed; if contamination existed, had it spread to other areas within the company; survey results indicated “no detectable” removable Alpha contamination existed above MDA (minimum detectable activity)
- Region -5-Dec 2015-Cincinnati, OH
 - Also related to the vortex cooler shipment. ITW Air Mgmt Corp received (8) from Hanford Site. RAP requested to ascertain whether any potential contaminated items had left any residual Pu contamination at the ITW facility after shipped to Pittsburgh, PA. No results above background levels were noted and were consistent with the St. of Ohio’s survey results.
- **FY-16 Scheduled Consequence Management Exercises**
 - Vibrant Response-2016- Harrisburg, PA-May 1-6, 2016-L/S/F First Responder response to a IND detonation in a metropolitan area
 - Northern Lights/Consequence Mgmt-2016-Week of August 15-Minnesota-Nuclear Power Plant release-focus on consequence management issues 2-3 weeks after the emergency phase ends
- **PRND Equipment for CM Mission - CTOS**
 - Mission/SOW:
 - Categorize PRND equipment for use in CM mission
 - Assist local first responder leadership to better use equipment
 - Expected outcomes:
 - Tool to be used by local first responder leadership to size up current inventory
 - Copy/paste verbiage for policies and procedures
 - Period of performance: 2 years beginning 9/2015
 - Major Milestones
 - Task 2: In progress
 - Review current applicable standards
 - Create categories for equipment (ranges and limitations)
 - Completion anticipated: End of January
 - Task 3: Document Consequence Management Relevant Mission Space and conduct webinars to solicit interagency feedback
 - Task 4: Develop CONOPS for CM Missions using categorized PRND equipment
 - Task 5: Scientifically validate CONOPS and Lab and field test

FRMAC / State Semi-Annual Webinar/Conference Call Agenda

27 January 2016

08:00 - 09:30 PDT

- Task 6: Develop actionable knowledge products and training for first responders
 - December meeting,
 - overview of current categorization scheme by equipment and performance
 - Brainstorming session- Importance factors for CM and attempts at categorization (DNDO alignment)
 - Big picture detections measurements missions- where would they fit in to cm mission
 - **WA Dept Of Health Office Of Rad Protection - DNDO cannot buy equipment unless it is under the cities program- can help train you, cannot help you buy equipment, beneficial to work with them because they can expand response communities,**
 - NEMS typing-meet couple times a year-DNDO recognize that once an officer find something he can jump into response. FBI has first dibs on that equipment, great addition to response equipment but you can't call DNDO and tell them you want equipment
 - **DOE/NNSA - technical CONOPS, always competing missions, law enforcement might not be available to look into the political law enforcement prioritization. Not insisting every system to be used in this way**
- **Exercise Updates**
 - **Vibrant Response-16, (VR16) - ORISE**
 - **What:** U.S. Army North (ARNORTH) led Command Post Exercise (CPX) designed to confirm the USNORTHCOM Title 10 and 32 CBRN Response Forces in response to a 10kt IND detonation in a major U.S. city (National Planning Scenario #1)
 - **Why:** To confirm USNORTHCOM Title 10 and 32 Response Forces and incorporate State (Commonwealth of PA) and Federal partners to discuss resource planning and other operations out of a IOF/JFO
 - **When:** May 1 - 6, 2016
 - **Where:** The Interagency will participate primarily from Harrisburg, PA and Operation Centers. The Department of Defense will participate from numerous major military installations
 - **Who:** USNORTHCOM, ARNORTH, FEMA National, FEMA Region III, DCO/DCE ,PANG, DOE, EPA, HHS, USDA, DTRA, A-TEAM, and State and local representatives
 - **Interagency Involvement in VR16**
 - The Commonwealth of Pennsylvania and the PA National Guard will participate from the State EOC and the PANG JOC for the duration of the exercise
 - The Interagency will replicate the same hours
 - Both the FEMA Regional and National Incident Management Teams will deploy to the IOF/JFO location
 - The Interagency will staff the appropriate ESF's
 - FEMA NRCC and RIII RRCC will participate

FRMAC / State Semi-Annual Webinar/Conference Call Agenda
27 January 2016
08:00 - 09:30 PDT

- PEMA intends to establish a JIC during the exercise, however it is undetermined how long the JIC will participate in the exercise
- An Interagency TTX is tentatively scheduled for April 7th
- **Northern Lights 16, (CM16), ORISE**
 - **What:** Full-Scale Exercise that addresses radiological Consequence Management issues that arise after the emergency phase of the response (i.e. two-three weeks after the event)
 - **Why:** To address some areas of the response that have not been exercised in a full scale exercise, such as the transition between a DOE-led FRMAC and an EPA –led FRMAC, the comprehensive inclusion of laboratory analysis in response decisions, the implementation of health and safety planning, and the proper integration of AMS.
 - **When:** August 15-19, 2016 (Tentative)
 - **Where:** Camp Ripley Training Center, Minnesota (Tentative)
 - **Who:** Led by the Department of Energy
 - Support from the Environmental Protection Agency and the Advisory Team;
 - Minimal participation from other federal organizations (such as the Nuclear Regulatory Commission or Federal Emergency Management Agency);
 - State and local participants including Radiation Protection and Emergency Management agencies.
- **Overarching Exercise Goals**
 - Operational Coordination: Transition of FRMAC from DOE-led to EPA-led
 - Transition documents and criteria would be established prior to the exercise
 - Starting conditions would require additional work to meet transition criteria
 - Transition or redeployment of personnel and equipment would occur during exercise play
 - Integration of AMS into FRMAC
 - Threats & Hazard Identification: End-to-end laboratory analysis process
 - Samples would be collected, packaged for shipment, and analyzed during the exercise
 - Some spiked samples would already be in place at participating laboratories
 - Pre-staged laboratory data would be fed into the exercise
 - Environmental Response/Health and Safety: Health and Safety planning and implementation
 - Health and Safety plans are developed but seldom used during exercises
 - Safety plan would be a part of exercise play
 - Public Information and Warning: Ongoing public messaging activities
 - FRMAC support of public messaging
- **WINGS 16, June 2016, RSL-N**

FRMAC / State Semi-Annual Webinar/Conference Call Agenda
27 January 2016
08:00 - 09:30 PDT

- WINGS is designed to be a series of tabletops and field exercises to aid in effective collaboration of multiple aerial radiation detection assets. Local emergency responders first on scene at radiological incidents
- Focus for WINGS 16-
 - Exercise the Aerial CONOP and SOP
 - Multi-Agency data collaboration and integration
 - Prioritization of missions for data collection needs
 - Selection and implementation of the RNAC
 - Improve the situational awareness for assets/participants
 - Implementation of direction through a “FRMAC”
 - Monitoring Manager will interact with players
- **DOE/NNSA** - continuing relationship with DNDO having them do a MARS training and help integrate avid software
- **National REP Conference, DSHS**
 - May 2-5 2016, Charleston, South Carolina
 - National Radiological Emergency Preparedness Conference inc.
 - NREP- Hotel is near airport not downtown
 - At NREP there will be a session addressing RadResponder CONOPS
- **CRCPD Emergency Preparedness Update, CRCPD**
 - Annual conference will be at the end of May topics from FEMA, DOE.
 - Will discuss ROSS position
 - CRCPD RadResponder project working with FEMA, DOE and EPA
 - Concept of operations for state programs to use to implement the RadResponder as a tool into their organizations to gather and distribute information
 - Data quality management
 - lessons learned
- **Nationwide RadResponder Drill , FEMA**
 - **Recent Accomplishments**
 - **Technical Enhancements**
 - User-uploaded GIS files
 - 10 Point Monitoring & RDD Guidance
 - Spectra-recording capabilities (website, mobile app, and API)
 - **Integration Efforts**
 - Telemetry option for collecting surveys via Bluetooth-enabled Ludlum 2241-3's on Windows app
 - **Initiatives**
 - Data Quality
 - Adoption
 - NACCHO – The Radiation Preparedness Project
 - **Training**
 - Train the Trainer Program (FL DOH Bureau of Radiation Control)
 - Documentation: User Guide, Job Aids
 - Guided Tours

FRMAC / State Semi-Annual Webinar/Conference Call Agenda
27 January 2016
08:00 - 09:30 PDT

- **Events**
 - Nationwide Data Quality Drill, December 2015
 - Southern Exposure Exercise, July 2015
- **Next 6 months-**
 - **Technical Enhancements**
 - Improved lab analysis and sample results
 - Improved mobile app user interface
 - User-uploaded bulk equipment import capability
 - **Integration Efforts**
 - Telemetry mode with the Android app
 - Integrations with equipment manufacturers
 - Continued RAMS – RadResponder integration efforts
 - **Initiatives**
 - Data Quality
 - Adoption
 - NACCHO – The Radiation Preparedness Project
 - **Training**
 - Expanding the Train the Trainer Program (Ohio)
 - Library of training videos
 - **Events**
 - Vibrant Response
 - 2016 Preparedness Summit
 - NREP
 - CRCPD
- **State/ Federal Agency Updates**
 - **A-Team - A-Team Chair**
 - They were not able to be on site to train but participated remotely by video webinar. They were able to give complete presentation, fully engaged with all the other IPXS that are planned this year. Ingesting pathway exercise plan to have at least two players on site early march.
 - **EPA - No comments**
 - **Conference of Radiation Control Program Directors**
 - States are working with DHS, DOE, and FEMA to develop training opportunities for the ROSS. They have developed; skills, tasks, knowledge and abilities that will go along with the training program in May. Health physics society in Washington people to be able to help other organizations
 - **Questions/Remarks**
 - **DOE/NNSA** – REAC/TS is planning to establish a national consortium of biodosimetry labs. The goal is to increase capacity and throughput to support large-scale radiological emergencies. Dr Dainiak will provide details on the next call.
 - **MA** - Moved Pilgrim’s IPX from 2016 to 2018 in the month of November

FRMAC / State Semi-Annual Webinar/Conference Call Agenda
27 January 2016
08:00 - 09:30 PDT

Next State/FRMAC Semi-Annual Webinar – July 27, 2016 @ 0800-0930 PT