State/FRMAC Semi-Annual Webinar

January 25, 2023

National Nuclear Security Administration

NEST
NUCLEAR EMERGENCY SUPPORT TEAM

AGENDA

- Introduction
- FRMAC Working Group Updates (DOE)
- DOE Regional Update (DOE)
- Exercise Updates (DOE and EPA)
- RadResponder Update (DHS)
- National Radiological Emergency Preparedness Conference
- Emergency Preparedness Update (CRCPD)
- State/Federal Agency Updates (All Partners)
- Open Discussion & Questions
- Closing

FRMAC MONITORING AND SAMPLING WORKING GROUP UPDATE

2022 Goals

- 2022 will be a year of change for FRMAC Monitoring Division.
- Current Project to transition current CM tools away from RAMS database and use the RadResponder database. Expected to be done this year.
- Need to update applicable Monitoring Division Training
  - ✓ Finish MS-250 (Field Team Supervisor Training) is the only course left. (70%)
  - ✓ Update MS-260 (CMC Training)
  - ✓ New course MS-201 (DFM) created
- Need to analyze, depending on operational changes, standardizing RR settings/inputs (like equipment) among CMRT and RAP assets.

General Overview of RadResponder Transition

- DOE/NNSA HQ Desire
  - HQ wanted to retire the DOE RAMS database and use RadResponder (RR) without deprecating the current functionality of CM tools or losing operational capabilities.
- It was decided to use APIs to sync data between the RadResponder database and the newly created FRMAC database.
- Creating a database owned and maintained by CM was very advantageous for future operations.
- Most of the work here was “behind-the-scenes” for most people.
- After starting this endeavor late 2020, this transition occurred the week of January 9, 2023.

So What?

- CMRT will continue to respond in all circumstances
- CMRT will use RadResponder to share data
  - Though we may not use the CBRNResponder app, the data we collect will go into the RadResponder event.
- In order to sync data between RadResponder and FRMAC:
  - Must check the “Share with FRMAC” button when creating an event in RR
  - Complete any assessment policies to make data visible to:
    - Full participants (if DOE FRMAC is a full participant partner)
    - Approved Data Only Partners (if DOE FRMAC is that type of partner)

2023 Goals

- Need to update applicable Monitoring Division Training
  - ✓ Finish MS-250 (Field Team Supervisor Training) is the only course left. (70%)
  - ✓ Update MS-260 (CMC Training)
  - ✓ New course MS-201 (DFM) created
  - ✓ Review and update operator aids
  - ✓ Review manuals and provide minor edits
- Need to analyze, depending on operational changes, standardizing RR settings/inputs (like equipment) among CMRT and RAP assets. Document CMRT settings /inputs.

FRMAC ASSESSMENT WORKING GROUP UPDATE

National Nuclear Security Administration

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Assessment Working Group Update

Assessment Manual Updates planned for release in March/April timeframe

Vol 1, Assessment Operations – New volume in final review describing CM/FRMAC Assessment Operations

Vol 2, Assessment Methods – being renumbered for reissue, no technical changes

Vol 3, Assessment Pre-Assessed Scenarios – 7 different types of release scenarios, replaces 2010 version

Assessment Working Group Update

Training

- AS-50 is available in recorded form
- AS-100 available in an online self-study (LMS) version
  - https://snl.matrixlms.com/
  - Instructions at https://nirp.sandia.gov under AS100 Training "FRMAC Training Portal MATRIX Login Instructions"
- Quarterly Continuing Training continues
  - Recordings available at nirp.sandia.gov
  - Will be added to LMS as time allows

- In-person training availability is limited.

Assessment Working Group Update

Turbo FRMAC:

Newest version 11.2, released October 2022.

FRMAC LABORATORY ANALYSIS WORKING GROUP UPDATE

Lab Analysis Working Group Update

Programmatic Improvements

- CM-22 After Action Report
  - Identifies improvements that need to be made to laboratory analysis operations
- Continued LA Manual updates and looking to schedule interagency lab analysis WG meeting in the next year
- Updated intergovernmental Lab Analysis Working Group charter

Training Development

- Self-Paced Laboratory Analysis overview training (LA-050) now available online
- ~2hr course providing:
  - CM/FRMAC high level overview
  - Laboratory Analysis operations overview
  - What to expect when receiving samples from FRMAC
  - Data reporting overview
- See attached flyer for access to all web-based FRMAC courses!

Lab Analysis Working Group Update

Current Joint EPA/FRMAC FEMA-NIRT Projects

- Ground deposition sample analysis method validation complete
  - Method propagation to SNL, LLNL, PNNL, two state labs, two commercial labs – Lab round robin after each is confident method is ready to go
- Development of free gamma spectroscopy Web-based training modules – estimated to be completed by May 2023
- New CBRNResponder mobile sample hotline check-in application (Feb 2024)
  - Streamlined sample check-in process
  - Ability to work in periodic offline or low-bandwidth environments

FRMAC Semi-Annual Teleconference
January 2023

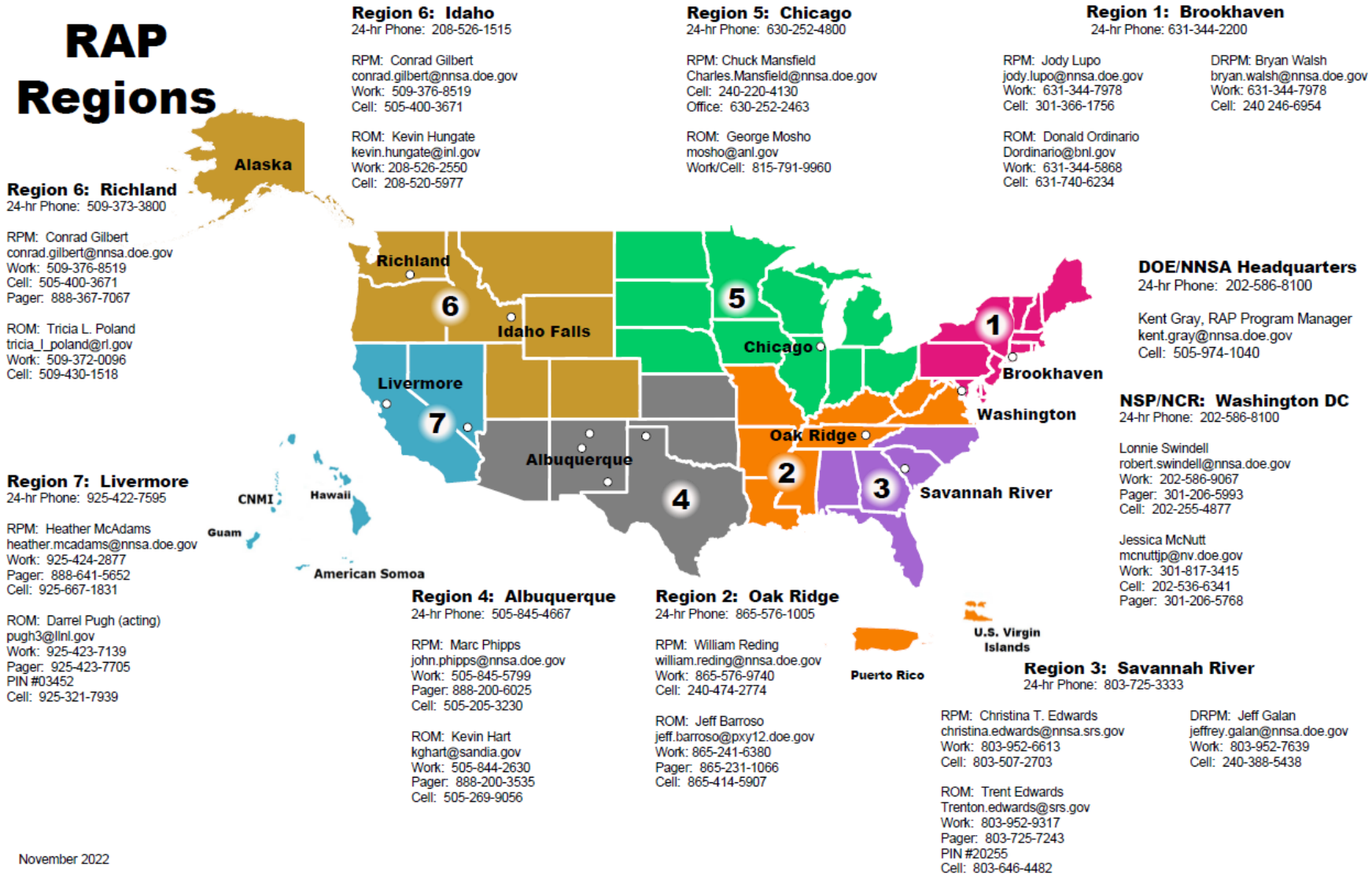
Radiological Assistance Program

Regional Updates

Overall Comments

- Reach out to your local RAP Regions and schedule periodic meetings
- Schedule TTXs annually to get to know your States and Regional procedures
- DOE support is always FREE, and doesn't result in a bill to the requesting office
- Call us – we exist to support State and Local agencies faced with rad/nuke responses

Updated RAP Regions



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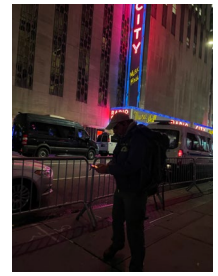
November 2022

Request For Assistance/Outreach
(RAP Region 1)

- **Operational Deployments / Request for Assistance**
  - New York City
    - United Nations General Assembly
    - Macy's Thanksgiving day Parade
    - Christmas Tree Lighting
    - New Years Eve, Times Square
  - Boston, MA
    - Boston Marathon
    - 4th Of July
  - Out of Regulatory Compliance, Source Recovery, Chester, Mass.
    - Joint response with Mass. Division of Fire Service
    - Private residence, deceased nuclear chemist
- **Outreach**
  - Bettis, Naval Nuclear Laboratory
  - NY IPX Planning
  - Trained National Guard Civil Support Teams in, RI, MA, NJ, VT
    - Upcoming events scheduled for CT, and MD



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Request For Assistance/Outreach

- **Region 2**
- Ingestion Pathway Exercise (IPX) Support
  - RAP 2 provided support for two IPXs during the period
  - Sequoyah and River Bend NPP conducted successful IPXs
  - Supported with Field Monitoring Teams for rehearsals and Federal Team Leader and Team Captains for IPX as well.

- Coordinated with Tennessee Department of Radiological Health and Louisiana Department of Environmental Quality

- Lessons learned:
  - Excellent opportunity to engage with local, state, and federal partners
  - Great teamwork at all levels
  - Facilitates coordination of future training and events

NNSA
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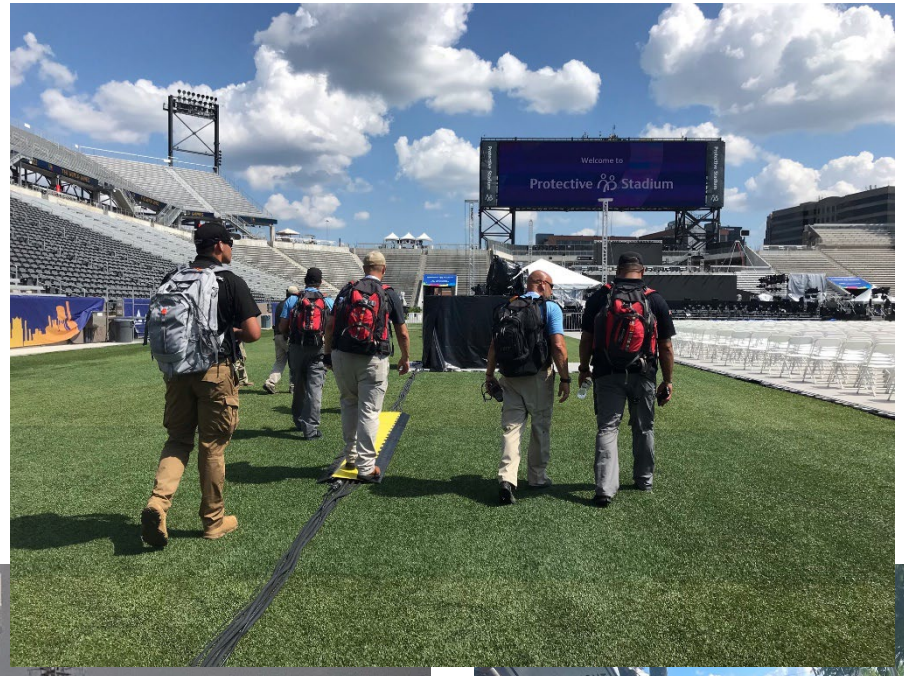
Request For Assistance/Outreach

- **Region 3**
- Ingestion Pathway Exercise (IPX) Support
  - Brunswick Nuclear Power Plant IPX
    - Supported federal outreach and the actual IPX in July 2022
    - Coordinated with the North Carolina Radiation Protection Section
  - VC Summer Nuclear Station IPX
    - Supported federal outreach and provided a field monitoring team at the dress rehearsal. Planning to support the IPX in March 2023
    - Coordinated with the South Carolina Department of Health and Environmental Control

- The World Games, Birmingham, Alabama (Deployed July 4–18, 2022)
  - Special Event Assessment Rating (SEAR) 1 event. Involved 3600 athletes from over 100 countries competing in 30 events at 17 primary venues spread throughout Birmingham and neighboring communities over a ten-day period.
  - Partnered with the Alabama Office of Radiation Control, Florida Highway Patrol, Department of Homeland Security (DHS) Countering Weapons of Mass Destruction (CWMD) Office and RAP 2 to execute Preventative Radiological/Nuclear Detection (PRND) operations.

- Lessons learned:
  - Frequent communications and outreach between the entities is the key to successful events and exercises.

Region 3



Request For Assistance/Outreach

- **Region 4**
- Cedar Crest, NM (4 May 2022)
  - Large number of Uranium minerals and samples
  - RAP 4 responded to verify markings and assist in disposition.

- Coordinated with New Mexico Environment Department Radiation Control Bureau
- Super Bowl LVII support
- DHS Secure the Cities support
- FBI Level 3 Regional Render Safe support
- Training support to CST/LV NM Fire department
- New RAP building and equipment depot

- Lessons learned:
  - Continuous monitoring for contamination ensured no surprises
  - Bring an extra HPGe and technician to ensure speedy processing of large numbers of samples.

RADIOLOGICAL ASSISTANCE PROGRAM

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Region 4

Request For Assistance/Outreach

- **Region 5**
- EPA Chicago Area Office acting on a tip that the owners of a scrapyard in Green Bay Wisconsin was storing unlicensed radioactive material.
- Through Milwaukee FBI WMD, requested RAP assistance in checking the veracity of the illicit radioactive material storage claim.
- Search team was unable to get close enough to the alleged storage area to confirm the presence of radioactive material.
- Lessons learned:
  - Remote monitoring by TS from RAP5 Facility a viable option

National Nuclear Security Administration

Region 5

Request For Assistance/Outreach

- **Region 6**
- State of Idaho DEQ, INL Oversight Program
- Jerome, Idaho
- Scrap metal was rejected by recycle facility for multiple radiation detection hits
- Request for RAP to assist in characterizing the material and provide guidance to the State for disposal

- Lessons learned:
  - First time operational use of the team's gamma camera

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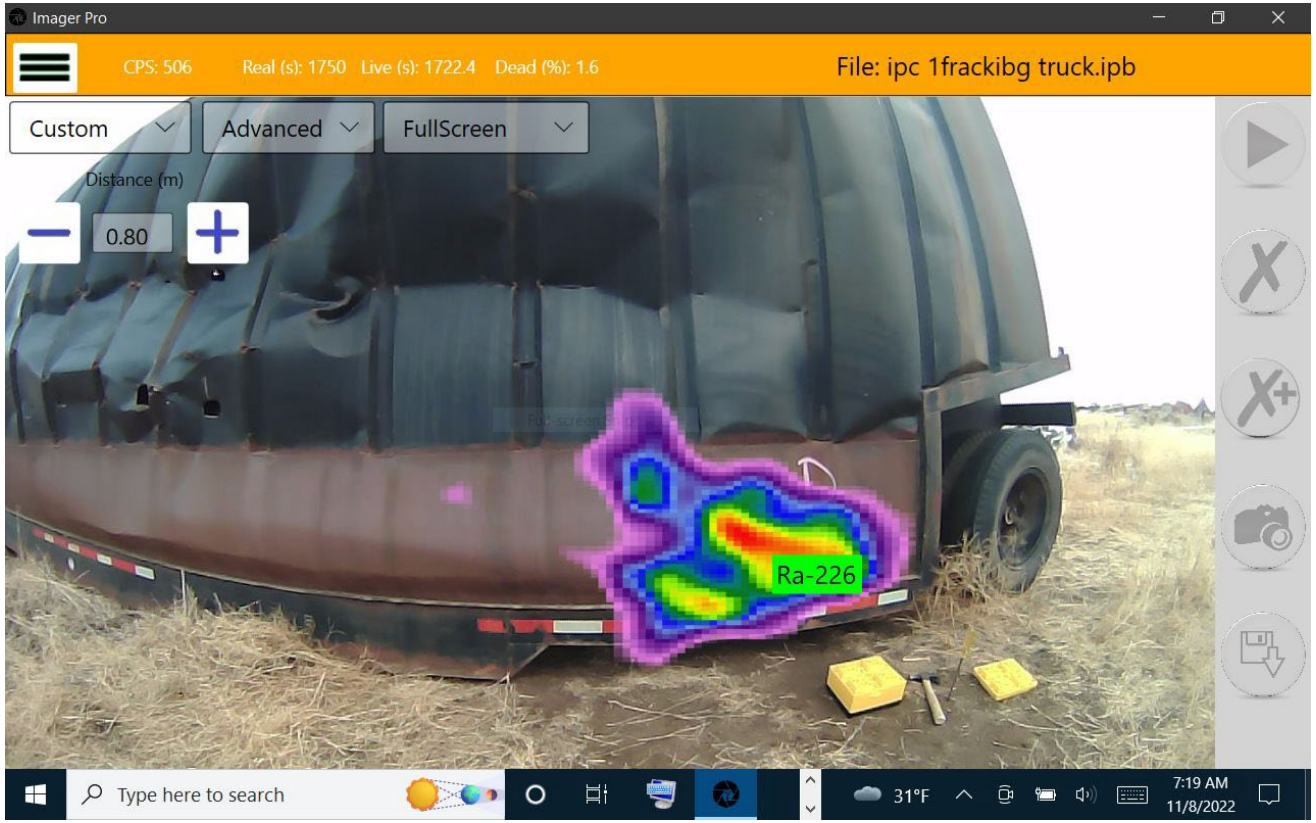
Region 6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Request For Assistance/Outreach

- **Region 7**
- Sentinel Response 2022
- Sonoma Developmental Center, 15000 Arnold Drive, Eldridge, CA
- CA Army National Guard, 95th CST, CalOES, FBI, NCRIC
  - The primary purpose of this two-day multiagency full-scale exercise was to provide Local and State first responders, the CA Army National Guard Chemical Biological Radiological and Nuclear (CBRN) Task Force, and the 95th Civil Support Team (CST) personnel with the opportunity to conduct Urban Search and Rescue (US&R) operations, in an earthquake-based scenario, within a simulated radioactively contaminated area.
  - Additionally, members of the FBI, Northern CA Regional Intelligence Center (NCRIC), RAP-7 and Radiological Operations Support Specialist (ROSS) personnel, exercised their role of providing technical support for incident management and civilian authorities. RAP-7 personnel supported this exercise as controllers, evaluators, advisors, instructors, and radioactive source custodians.
- Lessons learned:
  - Face-time and the collaborative effort of key response agencies is vital to the efficient integration and successful execution of emergency response operations.

RADIOLOGICAL ASSISTANCE PROGRAM

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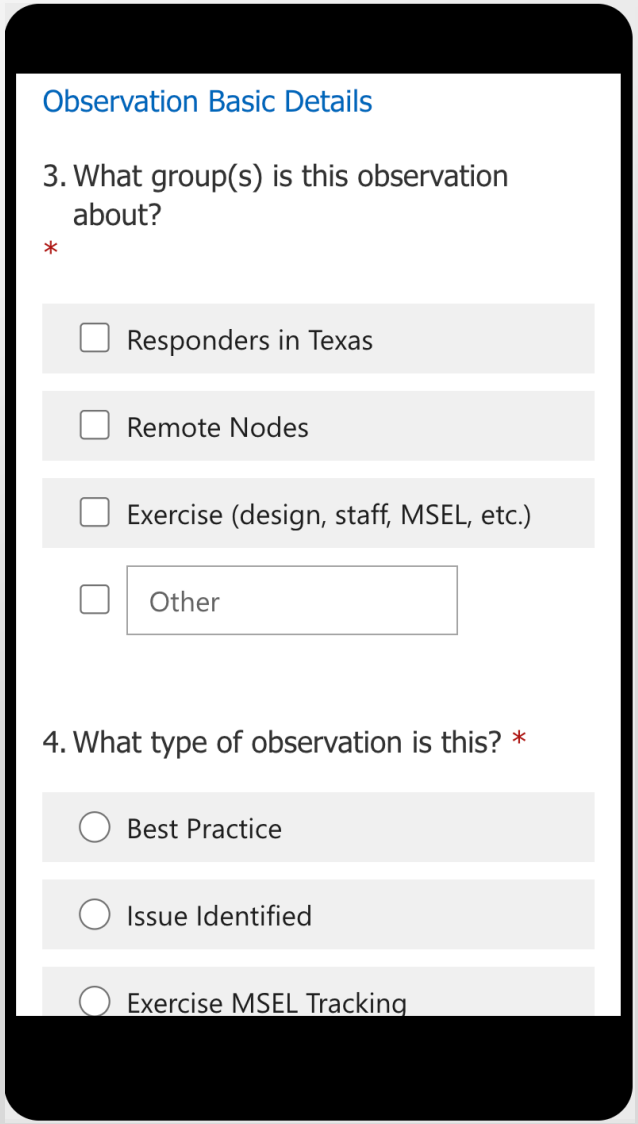
EXERCISE UPDATES FROM DOE/NNSA

Cobalt Magnet 2022 (CM22) Exercise Summary

- CM22 was held in May of 2022 in Austin, Texas
- Approximately 30 agencies from a State, Local, and Federal level participated
- The exercise was a Search to CM scenario
- Monday consisted of searching for materials, and detonation occurred on Tuesday

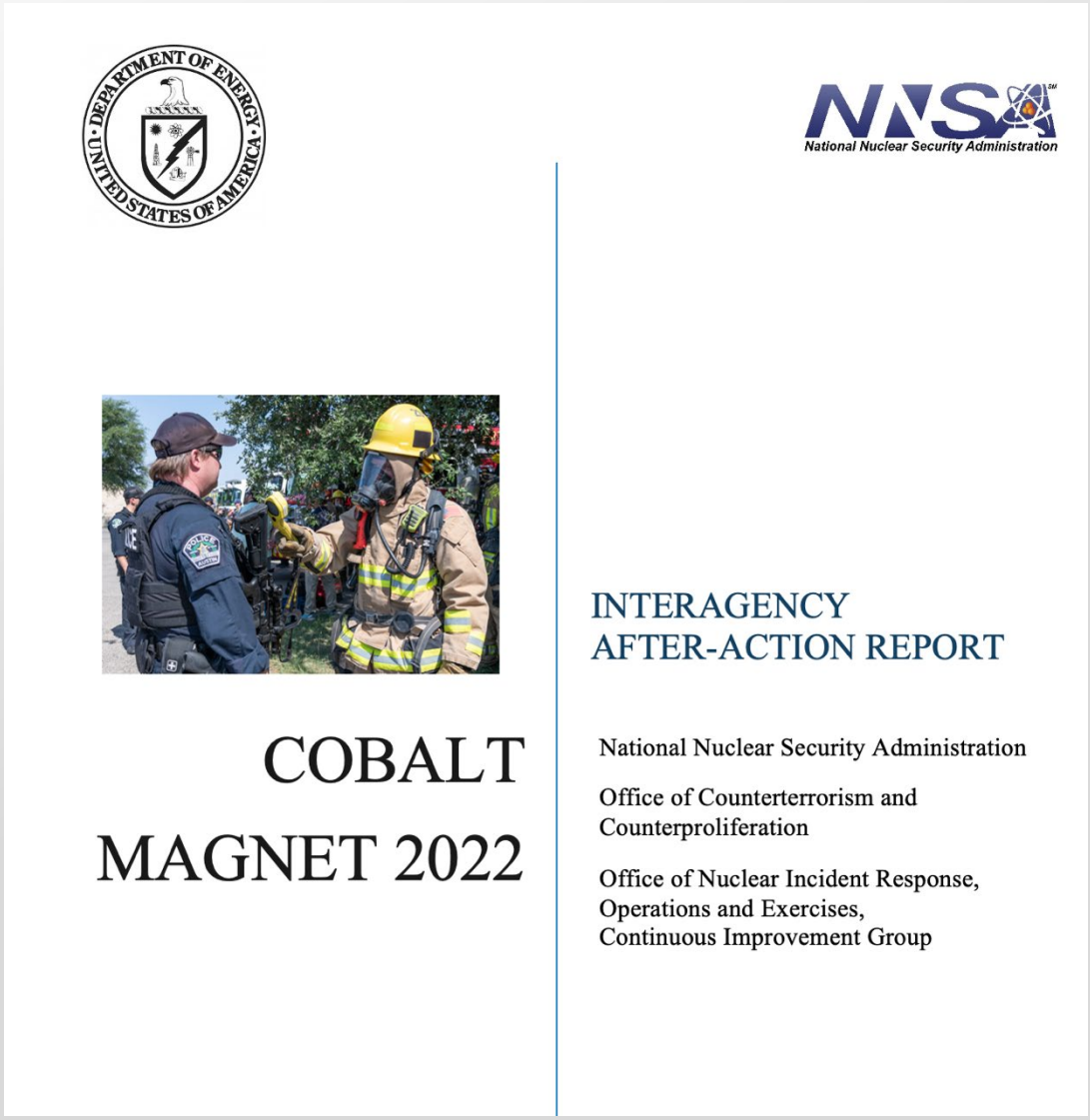
Analysis Process

- Leveraged Microsoft Forms and Power-BI dashboard view to capture real-time analysis during CM22
- Over 1300 observations were collected
- 11 pages of hotwash notes were recorded
- Over 60 phone calls and adjudications discussions were conducted
- Only findings that included more than one agency were included in the Interagency report



CM22 Summary of Findings

- The final Interagency AAR was 91 pages in length
- Findings were broken into 8 topic areas:
  - Communication
  - Technology
  - Standard Operating Procedures (SOPs)
  - Training
  - Public Messaging
  - Scientific Analysis
  - Exercise Design
- 3 overarching themes were identified to aid readers in reviewing linked topics



National Nuclear Security Administration

Theme 1: Changes in operations during and following COVID-19 have not been integrated into existing response procedures and documentation

- During COVID-19, the majority of the United States began working remotely. Many systems were leveraged for collaboration in ways that previously did not exist.
- As a result, there are not yet updated Standard Operating Procedures (SOPs) to ensure that all responders have a clear understanding of the operational expectations that account for these new systems and tools.
- Theme 1 spanned 3 individual Sub-Topics and touched Communication and Technology Topic Areas.

Theme 2: Response procedures, training, and drills outside of Nuclear Power Plant scenarios are needed at a State, Local, and Federal level to better respond to other event types.

- While all responders are well practiced in regions with Nuclear Power Plants on how to respond to any type of radioactive contamination event from a reactor release, other event types present significant challenges for responders to quickly integrate and collaborate to maintain an efficient response organization.
- During CM22, this was a theme that presented in numerous areas given the Radiological Dispersal Device scenario brought together many organizations that were not familiar with one another's capabilities and mission spaces.
- Theme 2 spanned 4 individual Sub-Topics and touched Communication, SOPs, and Scientific Analysis Topic Areas.

Theme 3: Sharing of information outside of individual agencies needs to be improved

- While many agencies demonstrated the ability to share critical information internally, there were many findings related to challenges in sharing between organizations as well as externally to the public and the media.
- Theme 3 spanned 10 individual Sub-Topics and touched Technology, SOPs, Training, Public Messaging, Management, and Scientific Analysis Topic Areas.

Cobalt Magnet 2025 (CM25) Exercise Summary

The DOE led CM25 exercise will be conducted from March 15-21, 2025

The EPA led Long-Term Recovery Workshop will take place in Michigan from April 14– 18, 2025

The event will be a Nuclear Power Plant (NPP) release scenario based on a simulated disaster at the Fermi II NPP

CM25 Preliminary Objectives: Status Summary

Objectives are in the process of being submitted for all identified participating agencies

- Presently there are 16 agencies, but that number will likely continue to increase
- Agencies include State, Local, Federal, and Canadian representation
- Still continuing to engage with additional partners at this time

Primary goal is to have high-level objectives finalized by March 29, 2023

- High level objectives will be included in the Extent of Play document for CM25
- More detailed objectives will continue to be developed and ultimately become capability targets and critical tasks for CM25

Initial discussion surrounding possible objectives occurred at the Concept Development Meeting (CDM) in October of 2022

CM25 DOE Specific Preliminary Objectives

Leadership

- Assess the resource constraints of the NEST response
- Evaluate the NEST and FRMAC leadership transition from a DOE-led to EPA-led FRMAC
- Evaluate our ability to communicate cross government
- Evaluate ability to integrate DOD assets into United States Government (USG) response

Technical

- Evaluate response in the Intermediate to Late phase of a nuclear power plant incident
- Evaluate efficiency of data sharing between all levels of government
- Evaluate the process of obtaining sample results starting from sample collection through analysis
- Assess the ability to perform all functions within a limited communication environment
- DOD/NNSA Field monitoring coordination

Policy

- Develop draft federal planning guidance for: cleanup and long-term recovery of large areas contaminated as result of a nuclear accident
- Validate updated NRIA
- General:
- Assess team's ability to support sustained operations, possibly 24 hour operations for all 7 days, or at a minimum longer shifts beyond the typical 8 hours

CM25 Planning Schedule Overview

Event	Type	Dates	Location
Objectives Finalization Meeting	Planning MTG	March 29, 2023 (11am-1pm EDT)	Virtual (2 hours)
Radiological Scenario Finalization Session	Planning MTG	12 APRIL 2023 (W) 10-12pm EDT	Virtual (2 hours)
Planning Team Training	Workshop	May 31, 2023 11am-2pm EDT	Virtual (3 hours)
Scenario Details Development Workshop (Renamed)	Workshop	June 7-8 (W-Th)	Michigan
Incident Management Workshop	Workshop	August 9-10 (W-Th)	Michigan
Initial Planning Meeting -2 Days IPM -1 Day UC/ICS/IMT focus	Planning MTG	12-14 SEPT 2023 (T-Th)	Michigan
Site Survey #2	Other	23-27 OCT 2023 (M-F)	TBD: Lansing, Monroe, Ohio, Canada
MSEL Preparation Session	Planning MTG	10 JAN 2024 (Wed)	Virtual (~4 hours)

CM25 Planning Schedule Overview

Event	Type	Dates	Location
MSEL Meeting # 1	Planning MTG	6-8 FEB 2024 (T-Th)	TBD, Michigan (physical meeting)
Midterm Planning Meeting	Planning MTG	16-18 APRIL 2024 (T-Th)	TBD, Michigan (physical meeting)
MSEL Scripting # 2	Planning MTG	10—12 SEPT 2024 (T-Th)	TBD, Michigan (physical meeting)
Tabletop Exercise (IPX Outreach method)	Workshop	22-24 OCT 2024 (T-Th)	TBD, Michigan (physical meeting)
Final Planning Meeting	Planning MTG	7-8 JAN 2025 (T-W)	TBD, Michigan (physical meeting)
COMMEX #1	Other	9 JAN 2025 (Th)	TBD, Michigan (physical meeting)
COMMEX #2	Other	11 FEB 2025 (T)	TBD, Michigan (physical meeting)
Senior Leader Seminar	Seminar	12 FEB 2025 (W)	TBD, Michigan (physical meeting)
CM25 Execution	Execution	15- 21 March 2025 (S—Fr)	Michigan (and remote locations)
Long Term Recovery Workshop Player Action Discussion	Workshop	2 APRIL 2025 (W)	Virtual (~4 hours)
Long Term Recovery Workshop/TTX	Workshop	14-18 April 2025 (M-F)	TBD, Michigan (physical meeting)

The Sixth International Nuclear Emergency Exercise (INEX-6): Long-term Recovery

Holly Arrigoni (EPA)

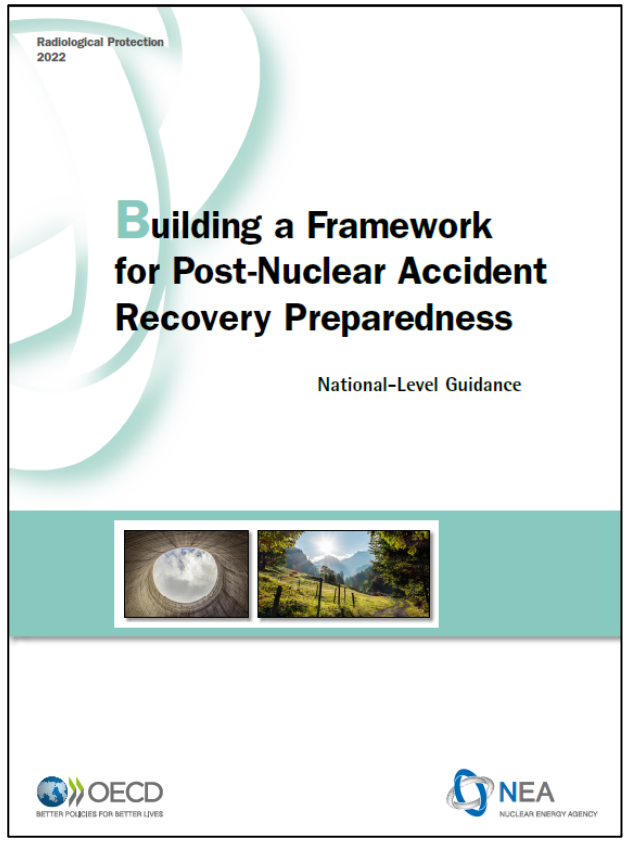
State / FRMAC Semi-Annual Meeting
January 25, 2023

Development of the INEX Series

INEX Series	Exercise Objectives	Year
INEX-1	Early phase; Communication; Decision making process in national responses; Food safety; Emergency assistance	1993
INEX-2	Decision making in uncertain conditions; Real time communication; Public and media interactions	1996-1999
INEX 2000	Monitoring and data management strategies for nuclear emergencies; International coordination; Aspects of the Convention on Third Party Liability	1999-2001
INEX-3	Consequence management; Long-term issues; Decision making in the medium- and longer-term	2005-2006
INEX-4	Post-crisis emergency management; Response to widespread radiological contamination of the urban environment	2010-2013
INEX-5	Notification and communication aspects; Transboundary aspects; Interfaces; Identifying and obtaining resources (*Southern Exposure tangentially linked*)	2015-2016
INEX-6	**Long-term recovery phase**	**2023-2024**

INEX-6 Development

- The Expert Group for the Sixth International Nuclear Emergency Exercise (EGINEX6) started in May 2022
- Membership: Canada (Chair), USA (Vice-Chair), UK (Vice-Chair), Belgium, Bulgaria, Chinese-Taipei (invited experts), France, Germany, Japan, Portugal, Slovak Republic, Switzerland
- Key Drivers for INEX-6:
  - focus on long-term recovery/existing exposure situation (after termination of the emergency)
  - test key areas of EGRM's Framework for Recovery Preparedness
  - identify improvements to enhance national and international preparedness for recovery



https://www.oecd-nea.org

INEX-6 Planning Approach

- Adapting the planning approach used for INEX-5
  - Central/international exercise planning developed by EGINEX6 and supported by 'National Planning Committees (NPCs)' within each of the participating countries
  - Exercise materials (scenario, injects, documentation) developed by EGINEX6, with country-specific objectives incorporated as required
  - Countries to run independent table-top modules/exercises, which are compared after the event through INEX-6 questionnaire and NEA hosted post-exercise evaluation workshop

Objectives

1. Test preparedness for recovery, including organisational structures, roles and responsibilities, stakeholder engagement, as well as mechanisms for international cooperation to assess the adequacy of current arrangements and identify potential gaps against the EGRM's Framework for Recovery Preparedness;

2. Test the decision-making process for the implementation of longer-term protective actions, including the justification and optimisation of such actions considering both radiological and non-radiological issues;

3. Test the adoption of an all-hazards approach to recovery management, utilising skills, knowledge and capabilities from outside of the nuclear field.

Scope (1/2)

The Sixth International Nuclear Emergency Exercise (INEX6) will:

- be delivered individually by participating countries as a Table-Top Exercise(s) using the same exercise scenario(s) in order to draw comparisons between countries
- involve a series of 'modules' focussing on key topical issues associated with long-term recovery management
- be prepared as a package that enables countries to re-use the exercise materials after completion of INEX6, including a methodology that allows for additional long-term recovery modules to be added at a later stage following the same format (NB: further INEX6 exercises could be held in later years to test additional long-term recovery issues)
- involve a scenario(s) that begins after termination of a radiological or nuclear emergency

Scope (2/2)

The Sixth International Nuclear Emergency Exercise (INEX6) will not:

- test all elements associated with long-term recovery
- be built upon a very technically detailed accident scenario description, but rather on a more narrative or semi-quantitative one
- be based on an accident in a specific geographic location

INEX-6 Modules

1. Health Aspects

(covering issues such as Mental Health and Psychosocial (MHPSS) issues, medical follow-up, medical surveillance)

2. Food Safety

(covering issues such as food monitoring, food restrictions, international and domestic food trade)

3. Remediation and Decontamination

(covering issues such as remediation of natural and built environment, contaminated land, access control)

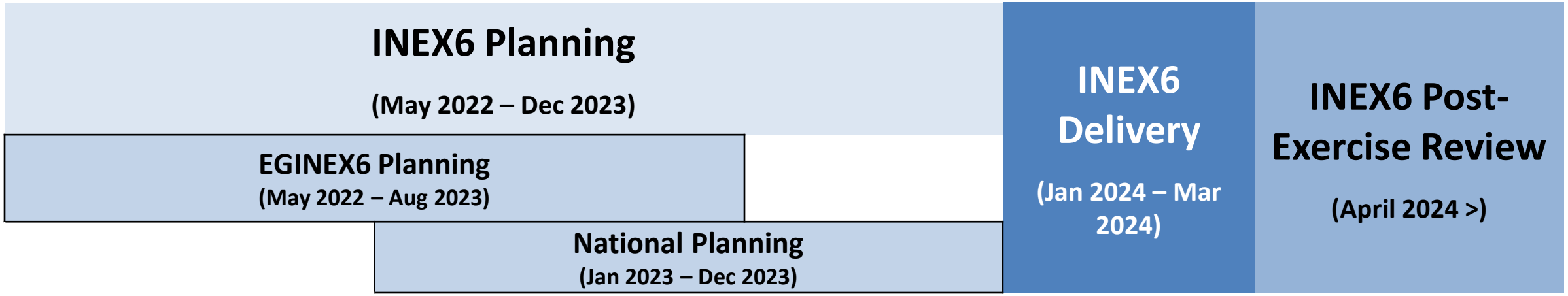
4. Waste Management

(covering issues such as storage, treatment, characterisation, transport, disposal)

Cross-Cutting Issues: Stakeholder Engagement, Communications, International Cooperation, Socio-Economics

Images: freevector.com

Timeline



- Invitations to participate were sent to each country last week (January 17)

Post-Exercise Questionnaire and Workshop

- Questionnaire to be completed for each module (basis of international comparisons)
- Post-Exercise Evaluation Workshop hosted by NEA for participating countries and interested parties

Thank you for your attention

Questions should be directed to Holly Arrigoni
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All NEA publications and institutional documentation available at
www.oecd-nea.org

RadResponder Network

RadResponder Updates

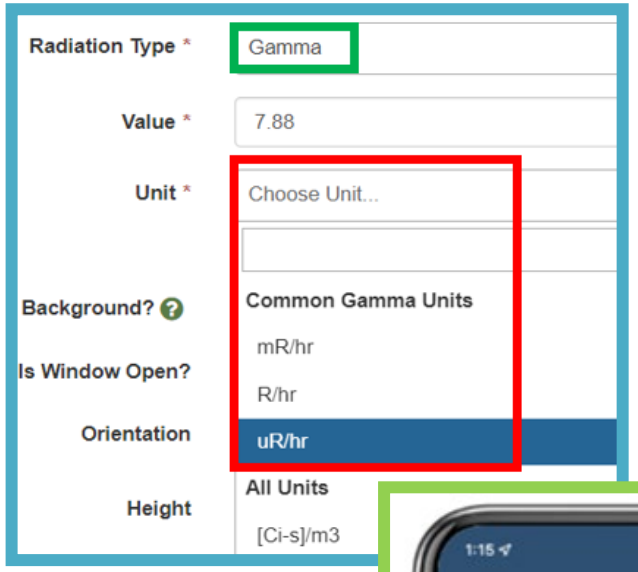
January 25, 2023

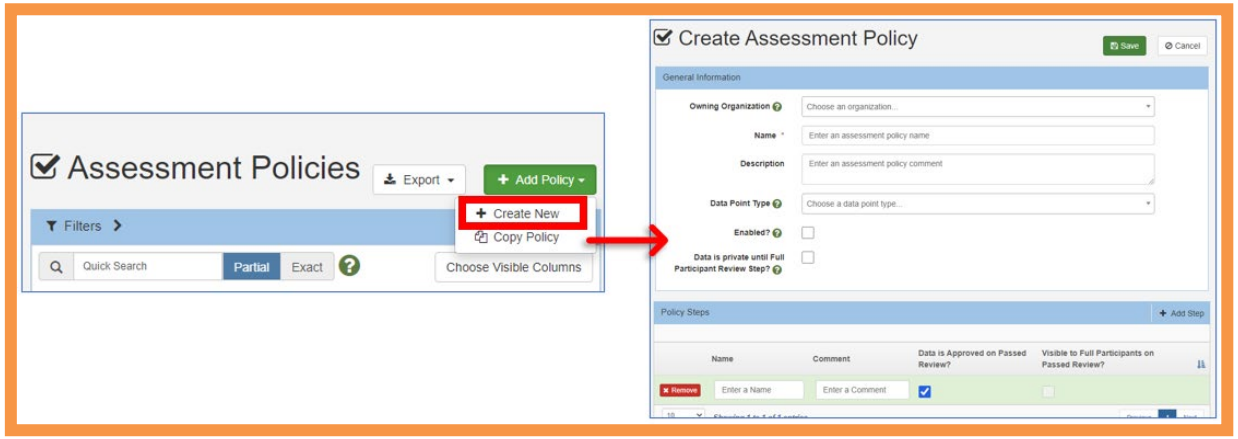
RadResponder Network

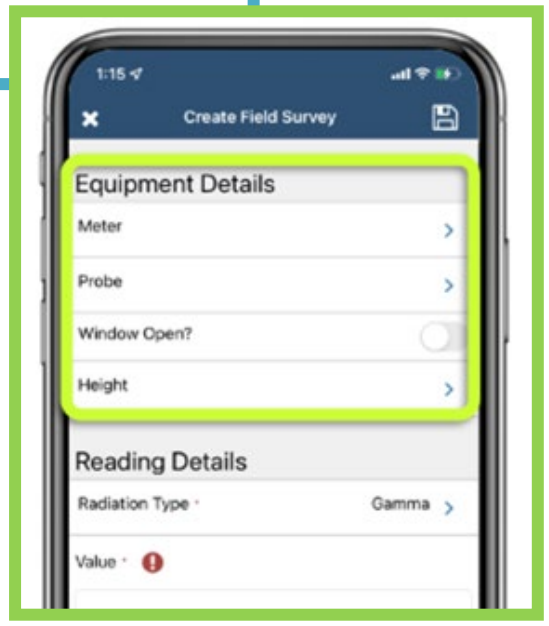
Recent Activities

Major Technical Enhancements:

- **Common measurement units** filter for alpha, beta, and gamma radiation types
- **Assessment policy creation** at the event-level for greater customization
- **Field Survey entry form updates** – equipment information is displayed first. This helps streamline data entry to pare down the list of available units once the meter/probe is selected
- **Security enhancements** – Implemented greater security practices and code related to the event space, organization space, permissions, data feeds, and more







RadResponder Network

Recent Activities

Trainings and Outreach:

- Special Feature Webinars on the following topics:
  - Uploading and Updating Equipment
  - Collecting Simulated Radiological Data on the CBRNResponder Mobile App
  - Data Collection Set Templates
  - Managing GIS Files
  - Fixed Monitoring Enhancements
  - Updated CBRNResponder Mobile App

RadResponderPrepared:

- 3 new organizations became RadResponderPrepared: Michigan State Police, Maryland Department of the Environment, and NNPP Knolls Atomic Power Laboratory
- 24 total organizations are RadResponderPrepared!

RadResponder Prepared

Maryland Department of the Environment

KAPL Knolls Atomic Power Laboratory

Michigan State Police

Outreach and Training:

- In-Person Trainings:
  - New York City-based Agencies – October 2022
  - New England Radiological Health Compact – November 2022
  - Nebraska State Agencies – September 2022
  - Missouri State Agencies – December 2022
- Remote Trainings:
  - DOE RAP 4 + Partners
  - Arkansas Nuclear One
  - Baltimore UASI

Presentations and Conferences:

- National Homeland Security Conference (July 2022 - Cleveland, OH)
- Health Physics Society (July 2022 - Spokane, WA)
- Mirion Connect (August 2022 - Boston, MA)
- Pennsylvania Hazmat Conference (August 2022 - Champion, PA)
- Southeast REP Conference (August 2022 - Birmingham, AL)

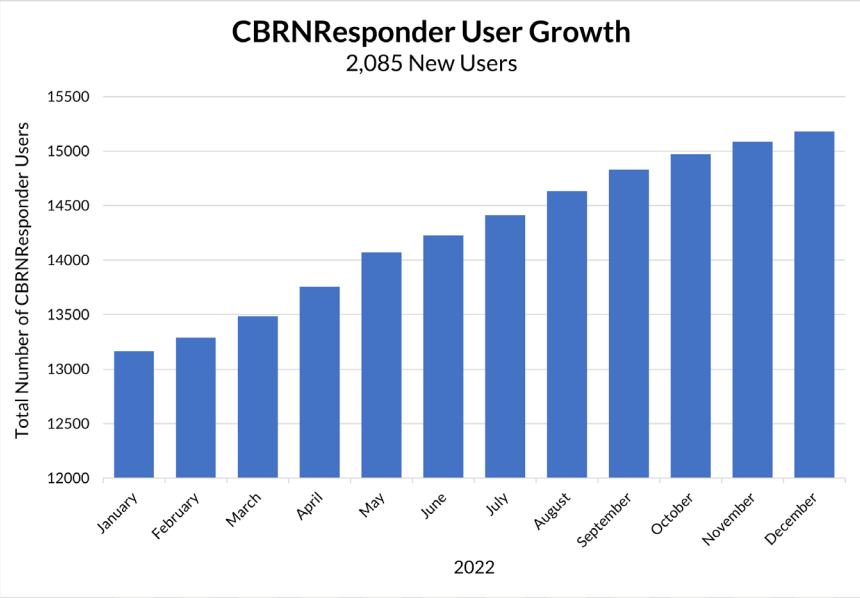
National Homeland Security Conference Cleveland '22 Rock N Roll

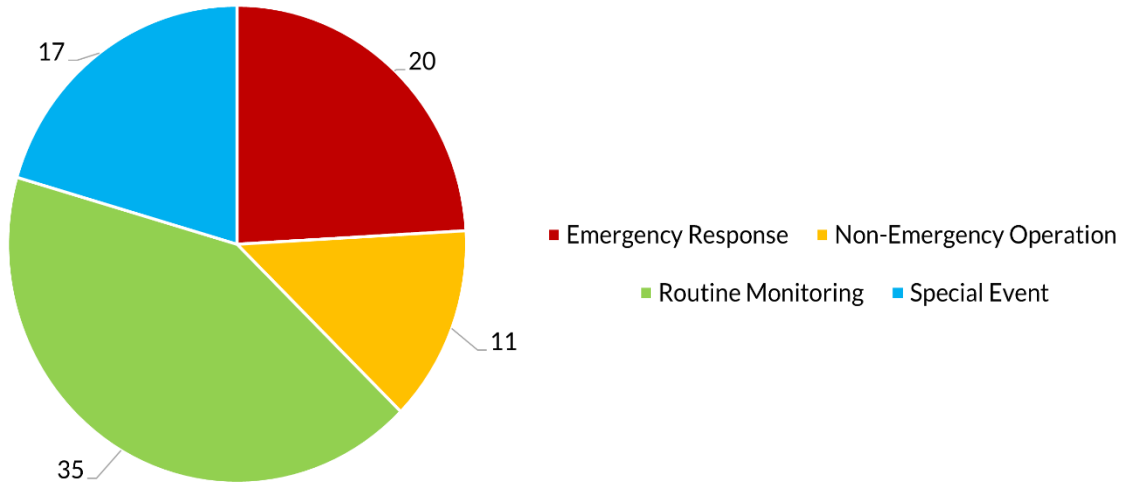
Pennsylvania Association of Hazardous Materials Technicians

MIRION Connect 22 Annual Users' Conference

RadResponder Network

2022 Year in Review:





22,355 Website Usage Hours

1,023 Events Created

4,290 Pieces of Equipment Created

RadResponder Network

Next 6 Months:

Upcoming Conferences:

- NRC Region IV TOP Workshop – February 2023
- National Radiological Emergency Preparedness Conference – March 2023
- CRCPD – May 2023

RadResponder Nationwide Drill:

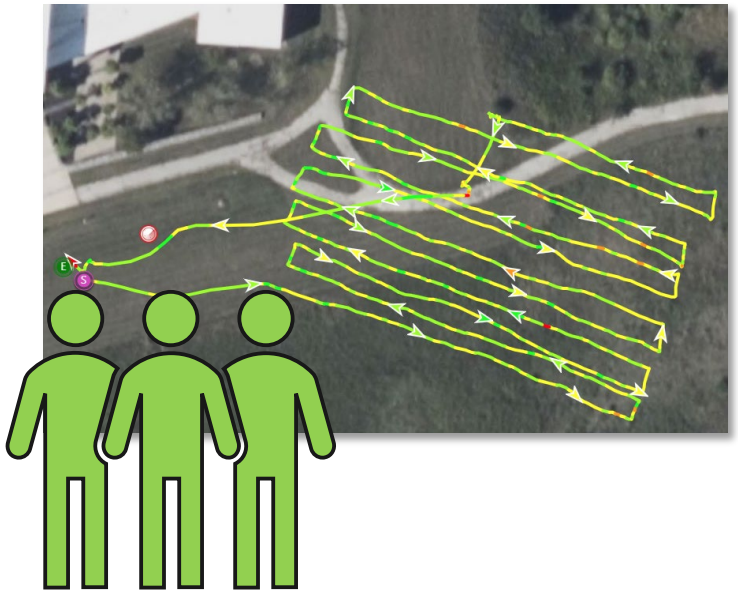
- Biennial National Background Week in March 2023
- The goal of this drill is to create a regional/jurisdictional background map to serve as a basis for making comparisons and observations. For organizations that participated in the National Background Weeks 2019 and/or 2021, this drill will serve as a follow-up to create an updated radiological background map!

NIRT Projects:

- Indoor Monitoring Phase III
- Mobile Sample Check-In Application
- Visual Sampling Plan Export

Technical Enhancements:

- Update and refine the mobile survey data type for drones, flights, backpacks, trucks
- Enhancements to the Community Reception Center and Population Monitoring capability



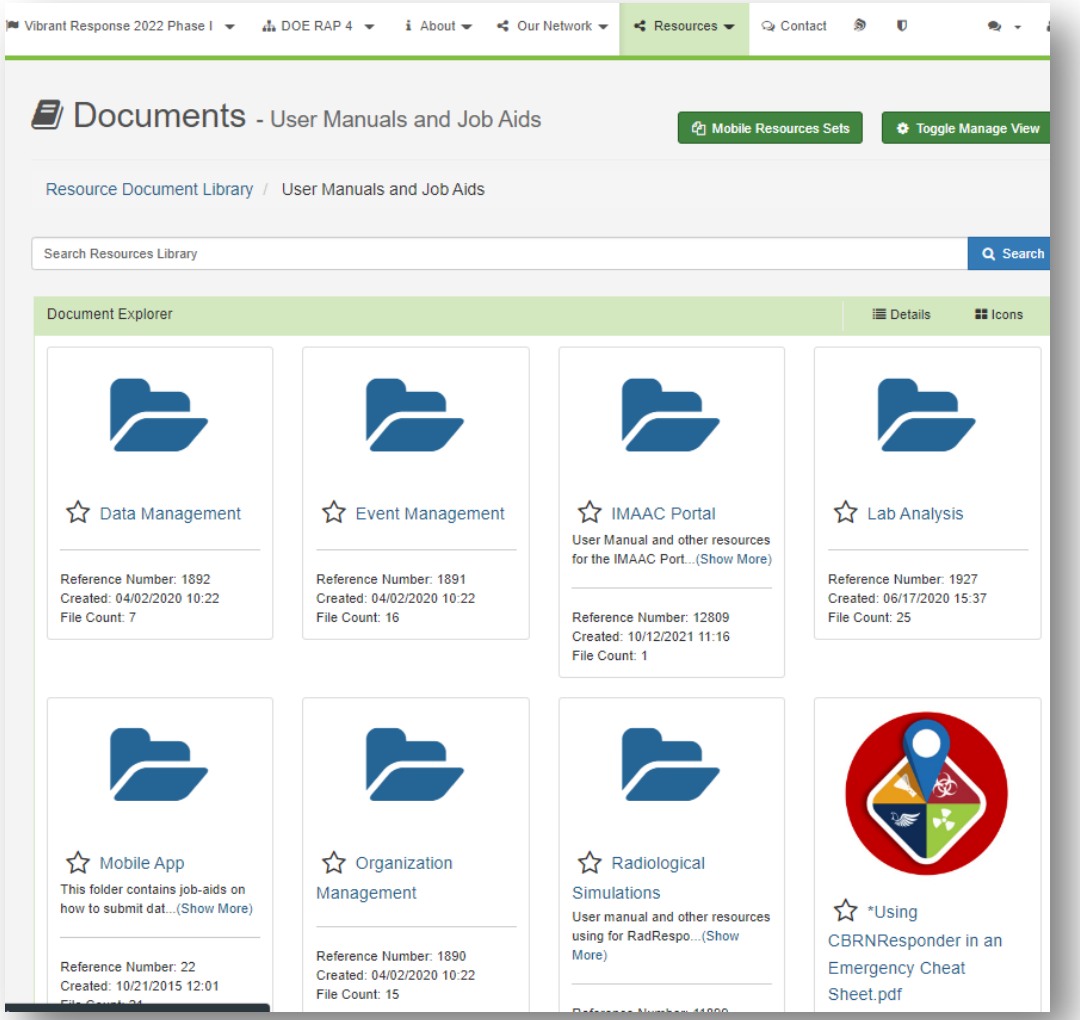
RadResponder Network

Contacts & Resources

SUPPORT EMAIL

support@cbrnresponder.net

SOCIAL MEDIA



RadResponder Resource Library

FRMAC PARTNER UPDATES

NATIONAL RADIOLOGICAL EMERGENCY PREPAREDNESS CONFERENCE

UPDATE

National Radiological Emergency Preparedness Conference, Inc.

PO Box 166, Landing, NJ 07850♦Ph: 973-960-6170♦FAX: 609-984-7513
www.nationalrep.org

33rd Annual Conference
Indianapolis, Indiana
April 3 - 6, 2023

Hotel:

Hyatt Regency Indianapolis
One South Capitol Avenue
Indianapolis, IN 46204
[*Conference negotiated room rates will be provided via registration link at https://www.nationalrep.org*]

Airport:

Indianapolis International Airport (IND)
7800 Col. H. Weir Cook Memorial Drive
Indianapolis, IN 46241

FRMAC PARTNER UPDATES

CONFERENCE OF RADIATION CONTROL PROGRAM DIRECTORS

EMERGENCY PREPAREDNESS UPDATES

Conference of Radiation Control Program Directors

Update

FRMAC Call

January 25, 2023

Ruth McBurney, CHP
Executive Director, CRCPD

Tanya Ridge
Homeland Security/Emergency Response Council Chair

HS/ER-5: Committee on Emergency Response Planning

- Serves as point of contact between Federal agency, CRCPD and state radiological programs for issues related to REP
- Review, evaluate and provide comments to federal agencies and other organizations regarding regulatory guidance, documents, plans and procedures related to radiological emergency response planning and response.
  - Under leadership of Ken Evans, the committee will plan to meet with federal partners at the upcoming National Radiological Emergency Preparedness Conference in Indianapolis, IN, April 3-6, 2023
  - Committee will use resources to help update the FRMAC list of emergency response assets.

HS/ER Activities Under CDC Grant

- **HS/ER-13 – Task Force for Development of Population Monitoring Train the Trainer Workshops**
  - Develop scalable modules that could be used by public health to deliver training to individuals with no prior knowledge of radiation safety.
  - Workshop #1- September 30-October 1, 2019 - Los Angeles County Environmental Health Branch, Baldwin Park, CA.
  - Workshop #2– April 11, 2022 - National Radiological Emergency Preparedness Conference in Nashville, TN.
  - Workshop #3 – Scheduled for April 24, 2023 at the NACCHO Preparedness Summit in Atlanta, GA

HS/ER Activities Under CDC Grant

- **HS/ER-14 – Task Force for Guidance Development for Radiological Respiratory Protection for Ancillary Emergency Workers**
  - Identification of respiratory protection needs for emergency workers that are not first responders
    - Public Health staff that operating a Community Reception Center or a shelter;
    - Bus Drivers assisting with evacuations;
    - Public Works staff assisting with debris removal after a radiological incident

HS/ER Activities Under CDC Grant

- **HS/ER-17 Task Force for the Review and Development of Guidance of NCRP Statement 14**
  - Review new NCRP Statement 14, “INSTRUMENT RESPONSE VERIFICATION AND CALIBRATION FOR USE IN RADIATION EMERGENCIES” and develop practical guidance for the state radiation control programs and other organizations
  - New Task Force established in November, 2022

Radiological Operations Support Specialist (ROSS) Update

William Irwin, ScD, CHP

FEMA Type 1 ROSS

CRCPD Representative to ROSS Steering Committee

Sixth year of ROSS radiological & nuclear emergency training

- Taught ROSS radiological & nuclear emergency response courses to more than 100 people at NREP, CRCPD and HPS in 2022.
- Doing it again in 2023. Hope to see you there!
- Counterterrorism Operations Support (CTOS) taught six initial training classes in FY 22 resulting in 230 trainees in five years of classes.
  - Working to teach an equal number of courses in FY 23.
  - Next initial class is in Corvallis, Oregon the week of February 6 at the HPS Mid-year.
  - Goal to teach additional classes in Sacramento, California; Boston, Massachusetts; Lincoln, Nebraska; New York City; Austin, Texas and Louisville, Kentucky in 2023.

HPS Specialists in Radiation Protection

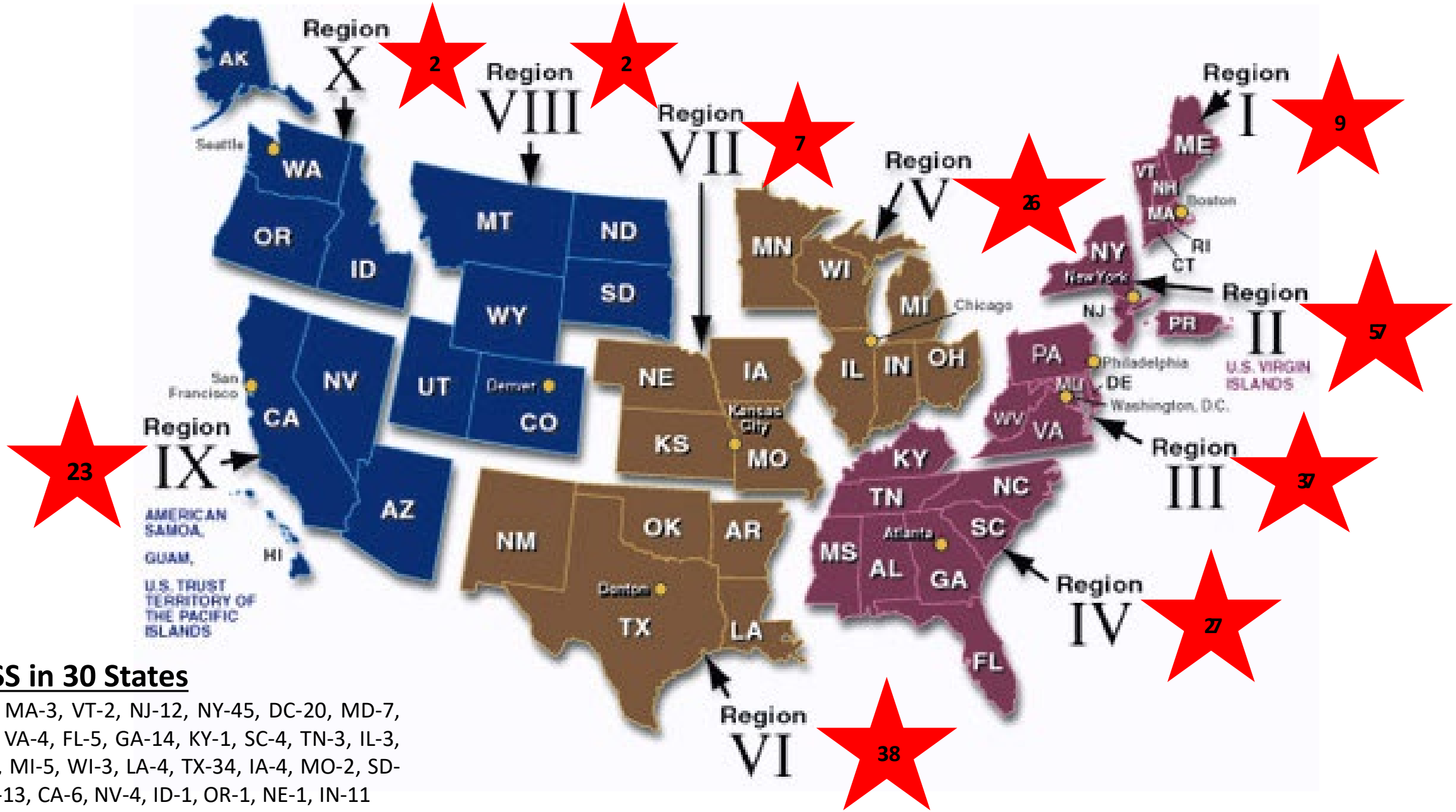
Virtual Evaluation Scenario Tool (VEST)

- VESTs provide ROSS a rare opportunity to participate in a nuclear detonation or radiological dispersal device exercise multiple times a year.
- A combination game & tabletop exercise where ROSS play they are in their state, county or municipal Emergency Operations Center during the simulated scenario.
- Nuclear detonation VEST may be out in early 2023.
- Second VEST for RDD may be out later in 2023.

DHS study of ROSS by RAND Corporation

- Overall good foundation, not yet mature.
  - Must recruit more ROSS in all states.
  - Must socialize more with emergency management.
- Could use 350 or more active, advancing ROSS in the US
  - More in higher population, higher risk states and territories.
  - Each state should have one Type 1 or Type 2 ROSS.
  - Best that recruits have no emergency role in their day job.
- States should have larger role, with ROSS Steering Committee oversight and CRCPD Working Group training and standards coordination.

Of about 230 ROSS trained, only about 60 are active as ROSS



ROSS in 30 States

CT-4, MA-3, VT-2, NJ-12, NY-45, DC-20, MD-7, PA-6, VA-4, FL-5, GA-14, KY-1, SC-4, TN-3, IL-3, OH-4, MI-5, WI-3, LA-4, TX-34, IA-4, MO-2, SD-2, AZ-13, CA-6, NV-4, ID-1, OR-1, NE-1, IN-11

The ROSS is moving; join us!

- Recruit ROSS students who are likely to stay active and deploy as higher typed ROSS – more health physicists and radiation protection people.
- Shift ROSS cadre management to the 27 states that have assigned a State ROSS Coordinator.
  - Creating ROSS Task Forces in these states
  - Certify in accordance to national standards as maintained by FEMA
  - Exercise with help from DOE NNSA
  - Learn new tools as developed by DHS and the National Labs
- Endeavor to participate in state rad/nuc emergency preparedness planning, training and exercises as well as national level exercises.

Questions

- Want to get a ROSS class in your area?
- Want to develop a ROSS Task Force in your state?
- Have planning. Training or exercise needs for a ROS/

- Contact us at
  - FEMA-ROSS@FEMA.DHS.GOV
  - William.Irwin@vermont.gov

FRMAC PARTNER UPDATES

STATE AND FEDERAL AGENCY

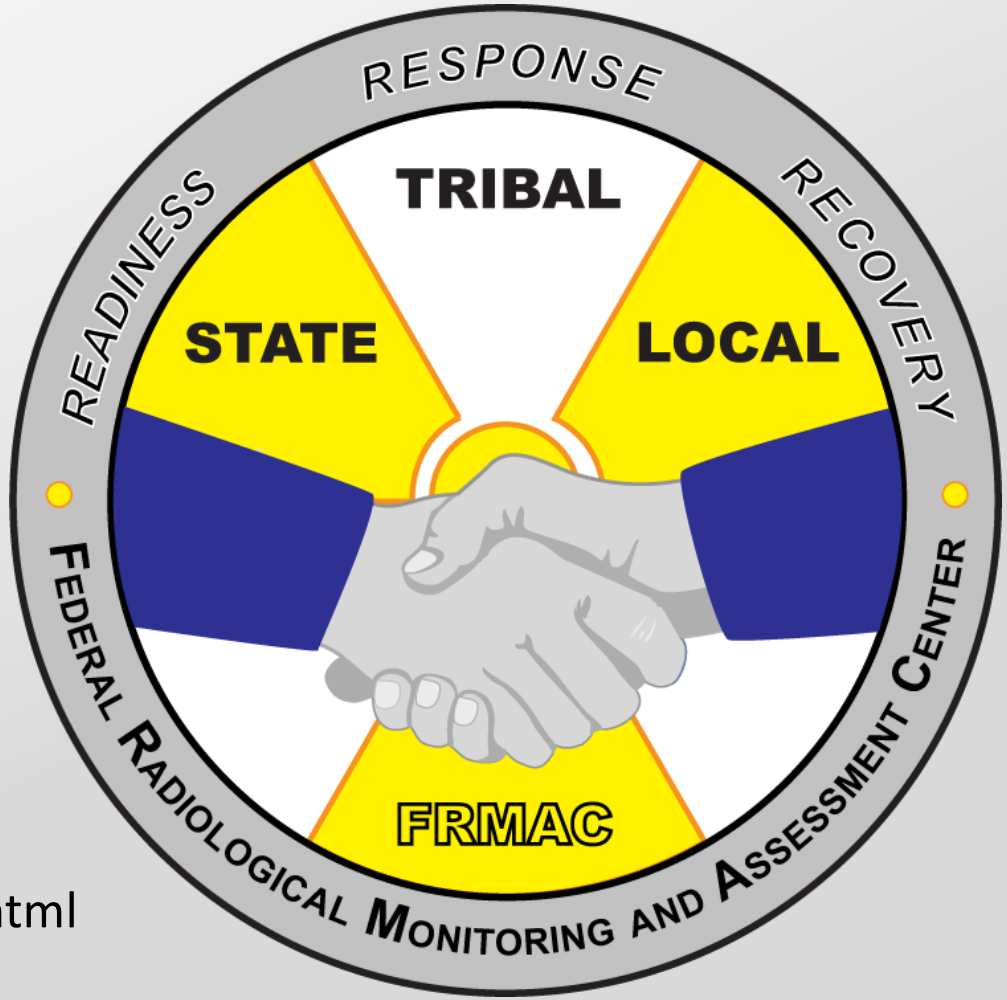
UPDATES

OPEN DISCUSSION AND QUESTIONS

CLOSING

Next Webinar

Wednesday, July 26, 2023



Visit the site below for additional content
https://www.nnss.gov/pages/programs/FRMAC/FRMAC.html

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https://nnsa.energy.gov/aboutus/ourprograms/ctcp
CTCP Office Phone: 202-586-1734
IN CASE OF EMERGENCY: 202-586-8100