SAND2024-09625PE

INNOVATE. COLLABORATE. DELIVER.

FRMAC LABORATORY ANALSIS WORKING GROUP UPDATE

INNOVATE. COLLABORATE. DELIVER.

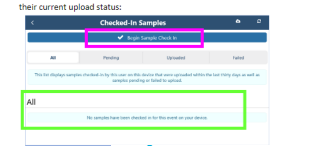## Programmatic Improvements and Training Development

- Increased depth in responders through training and drills

- Updates to Job Aids and Training complete

- New LA Manual Vol. 1 (Doctrine) final draft ready for signatures by interagency

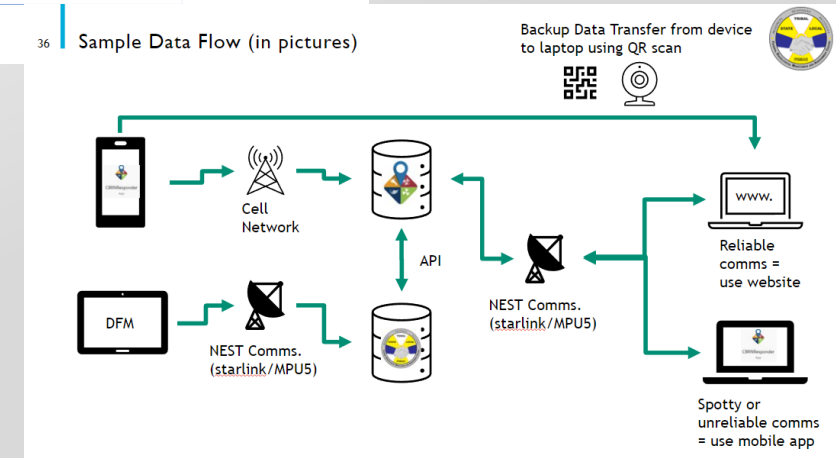- Draft Vol. 2 (Tactics and Procedures) in the works

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Lab Analysis Working Group Update

Drill Activities

- **INL Live radiological drills (June 2024)**
  - Sample Control Specialists, QA Specialists, and Fly Away Laboratory, Gamma Spectroscopists
  - Lesson Learned: Standardize and train CMRT/RAP personnel on Hotline setup and operations so it runs the same every time
  - Lesson Learned: Standardize sample preparation for Air Filter and Smear samples in the Fly Away Lab

- **RAP Regional Drill 2024 – Oklahoma City**
  - Sample Control Specialists, Deputy Lab Manager, Lab Manager
  - Lesson Learned: Need to develop CBRNResponder permissions checklist for event owners when RAP/CMRT comes into the picture
  - We made the news!
  - https://www.koco.com/article/ok-authorities-train-radioactive-disaster/61561850

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Lab Analysis Working Group Update

Current Joint EPA/FRMAC FEMA-NIRT Projects

- New CBRNResponder mobile sample hotline check-in application (Available Now!)
  - Streamlined sample check-in process
  - Ability to work in periodic offline or low-bandwidth environments
  - Capability mirrored on website to reduce training burden for offline and online use
- Ground deposition sample analysis method round robin
  - Round Robins complete, data analysis underway and report in the works
- New project underway: Pre-planned analytical strategies for sampling and analysis

Nuclear Incident Response Self-Paced Learning Opportunities

AS-100: Introduction to Assessment Science
24 ABHP CECs
- 22 module course covering FRMAC Assessment methods for public protection, worker protection, and ingestion pathway *PNNS-KDXC*

Turbo FRMAC Advanced Methods
1 ABHP CEC each
- Administration of Potassium Iodide Derived Response Level Calculation *OMXL-NMBV*
- Analytical Action Level Calculation *HZAK-EWAX*
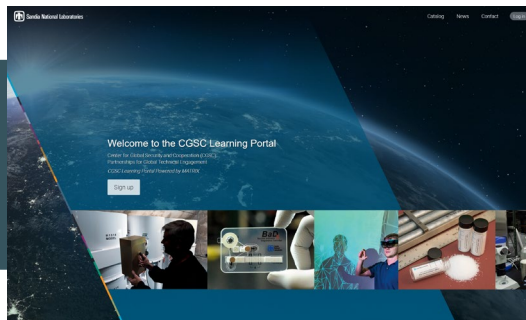
LA-050: Support Laboratory Briefing
- What labs should expect when called to help FRMAC *CMOT-EKHS*

LA-075: Laboratory Data Reporting (Sept 2024)
- Detailed walkdown of data reporting in CBRNResponder

Gamma Spectroscopy Fundamentals *ERXF-ZREQ*
- Detector Calibration Methods
- Sample Analysis
- Software Functions
- Mathematical Instrument Calibration
- True Coincidence Summing Corrections
- In-Situ Gamma Spectrometry

Sandia and partners have developed *free, online* training!
Learn more: https://snl.matrixlms.com/

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