

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

July 2026



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Assessment Working Group Update



Assessment Manuals available

Vol 1, Assessment Operations – CM/FRMAC Assessment Operations

Vol 2, Assessment Methods – Technical Methods

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

https://www.nnss.gov/pages/programs/frmac/frmac_documentsmanuals.html

Or just google “FRMAC Manuals”!



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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



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Assessment Working Group Update



Turbo FRMAC Modernization

- Transforming Turbo FRMAC from a stand-alone desktop application to a cloud-based tool.
- Funded by the Technology Modernization Fund, subsidiary of the General Services Administration (GSA)
- 3 year effort
- Two general high-level goals:
 - Phase 1 – develop a tool that meets the minimum performance requirements associated with the current baseline
 - Phase 2 – improve automated interoperability with other response tools



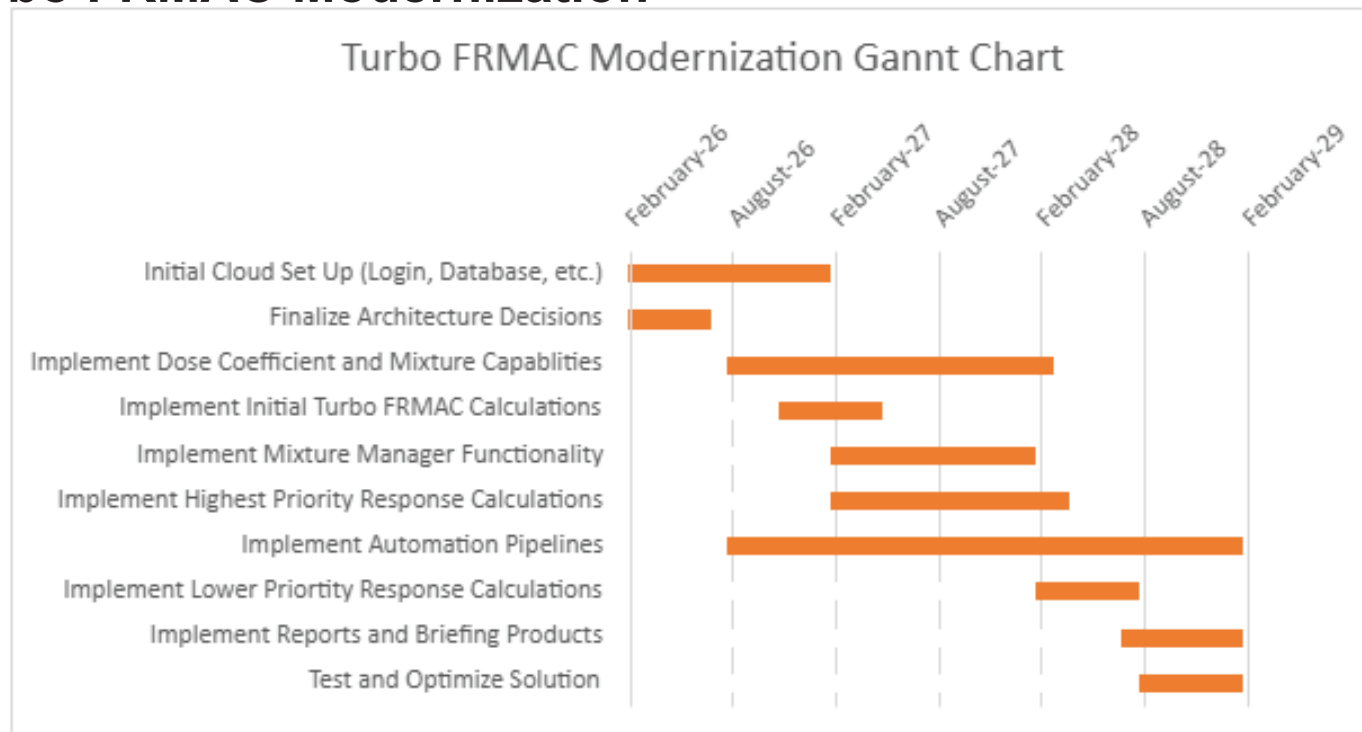
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Turbo FRMAC Modernization



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Assessment Working Group Update



Turbo FRMAC Modernization requirements socialization meeting.

TODAY (7/29/26) at 3 EDT/12 PDT

Microsoft Teams meeting

<https://teams.microsoft.com/meet/299155535113403?p=mpYUOZDSkjlQJvamK>

Meeting ID: 299 155 535 113 403

Passcode: EB9Ac3P3



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Assessment Working Group Update



NIRP Website Update

<https://nirp.sandia.gov>

Our Mission
The NIRP program provides research and technical solutions, expert analysis, and highly trained emergency response professionals to support the Federal government's response to an accident or act of terrorism involving radiological, chemical, or biological material. This site provides access to software developed by NIRP's Software Development Team which is used in emergency response.

Recent Software Updates

Software	Version	Last Release
Turbo FRMAC	Version: 11.3.1	Last Release: Sep 4, 2023
SHARC	Version: 10.5.0	Last Release: Sep 4, 2023
Mixture Manager	Version: 4.0.0	Last Release: Jun 5, 2023
Radionuclide Viewer	Version: 4.4.0	Last Release: Jun 5, 2023

Training

Training Module	Needs description	Last Updated
Assessment Scientist Continuing Training	Needs description	Last Updated: Mar 31, 2023
AS300 Training	Needs description	Last Updated: Mar 31, 2015
AS100 Training	Needs description	Last Updated: Mar 22, 2021
AS50 Training	Needs description	Last Updated: Jul 31, 2022
Assessment Work Group	Needs description	Last Updated: Jul 17, 2019

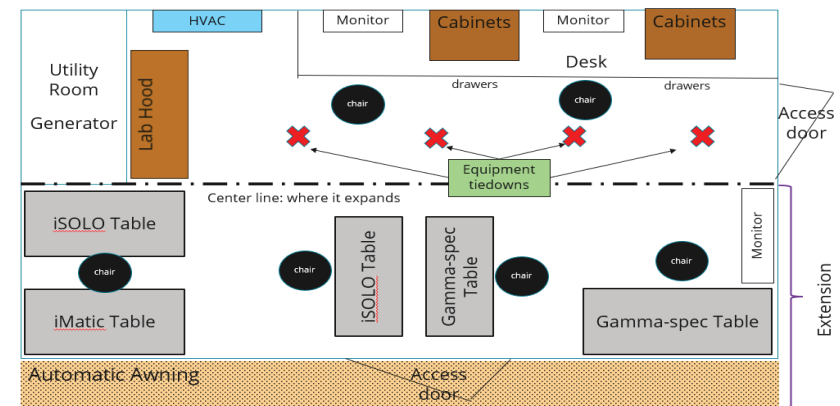


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Lab Analysis Working Group Update

- Fly Away Lab Container is currently being set up for operations
- Full field laboratory set-up
 - 3 gamma-spec detectors
 - 2-3 gross alpha/beta counters
 - HVAC
 - Lab hood for sample prep
 - Equipment storage/shipment
 - Power generator
 - Desks/tables/chairs
 - Secure access



Workspace/utility layout

Lab Analysis Working Group Update



- Bison lifts: lifts/lowers lab in the field
- Contract hot shot truck for rapid, on-call deployment
- Permanently set up at SNL RAPROC
 - On-site quick turn around time lab
 - Ease of maintenance
 - Training opportunities
- Operationally ready to respond: ~December 2026



Bison lifts



Semi-truck or aircraft delivery



Lab Analysis Working Group Update



- CBRN Responder Laboratory Participation Effort
 - Many States have radioanalytical laboratories to support their programs that have a “State” account type in CBRN Responder.
 - To interact with FRMAC Laboratory Analysis Group in an event, a laboratory must have a “Laboratory” account type to enable it to access to the CBRN Responder laboratory portal. The portal facilitates electronic transfer of information, completed forms and data packages to reduce/eliminate manual entry of data.
 - Currently there are only ~20 state laboratories that have the “Laboratory” type account that will allow electronic interface with FRMAC.

