

ROSS Quarterly Call

17 December 2024



FEMA

 **CRCPD**

Agenda

- Welcome from FEMA Office of Emerging Threats (OET) Branch Chief and ROSS Program Manager – Jon Gill, PhD and Jeramie Calandro
- Welcome from CRCPD ROSS Program Manager – Bill Irwin, ScD, CHP, FEMA Type 1 ROSS
- Homeland Security Information Network (HSIN) Update – Jeff Semancik, FEMA Type 1 ROSS
- MissionEdge for task completion/documentation – Angela Leek, PhD, CHP, FEMA Type 1 ROSS
- ROSS Orientation and State ROSS Coordinator Training - Bill
- Open dialog with you – all participants
- December 2024 Competency Maintenance Problem Set – Adela Salame, PhD, FEMA Type 1 ROSS
- Closing Remarks – FEMA OET



FEMA





FEMA Office of Emerging Threats

Welcome and Opening Remarks

Jon Gill & Jeramie Calandro



Source: GAO. | www.gao.gov

<https://www.gao.gov/products/gao-19-164> accessed 2/23/23.

FEMA OET Updates

- Leadership discussion on Post PER-388 courses
 - Working with CTOS to develop VEST
 - Nuc/Det Scenario, PTB task numbers 47-51, 53-54, 56, 58-59, 62
 - Pilots are in-process (internal completed)
- Focusing on Cobalt Magnet Preparations
 - Participation in either CDC (Virtual) or Michigan (In-person)
 - 10- ROSS
 - Invitational Travel



FEMA

Welcome from CRCPD Homeland Security/Emergency Response Committee 4 (HS/ER-4)

Bill Irwin, ScD, CHP, FEMA Type 1 ROSS, CRCPD ROSS Program Manager



FEMA



Questions? william.Irwin@vermont.gov

Welcome to New Initial ROSS Training Course Graduates!

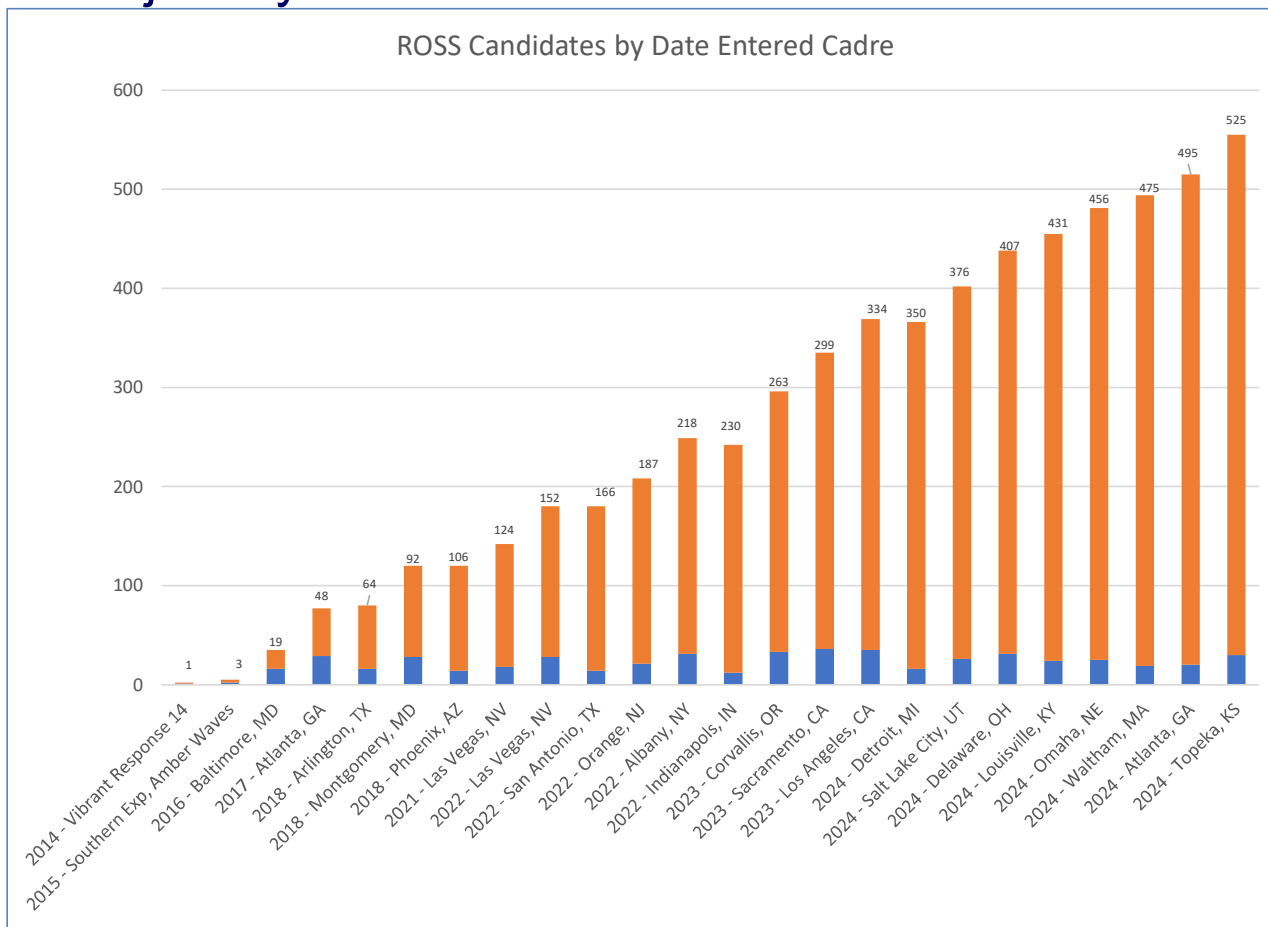
- **Fifty new people (20 from Georgia and 30 from Kansas)** took the initial step to become a ROSS.
 - PER-388 is the initial step that **more than 500 people have taken**.
 - Documenting training and experience in the in the ROSS Position Task Book (PTB) is where the fuller ROSS development occurs.
- We are grateful to the folks in Topeka, Kansas, at the CDC and in Georgia who planned and prepared for the two newest classes!
- We are excited that CTOS is planning more classes for 2025:
 - Austin, Texas the week of June 16. 2025,
 - Wisconsin is planning one the summer of 2025, and
 - Pennsylvania, Connecticut, Massachusetts, and Illinois are working to host classes next year, too.



FEMA



The ROSS trajectory so far



FEMA



The Next Steps

- A reminder to send your certificates for ROSS Type 4 Training to FEMA-ROSS@fema.dhs.gov: IS-100, IS-200, IS-700, IS-800, IS-836 or equivalents and PER-388.
- You will then be invited as a Type 4 ROSS to join MissionEdge and get assigned your Type 3 PTB to work on so you can work independently as a ROSS.
- We are doing our best to provide opportunities where you can advance by type:
 - The nuclear detonation Virtual Evaluation Scenario Tool (VEST) is planning its second internal pilot.
 - We are working with the DOE NNSA on additional Silent Thunder, Isotope Crossroads and CURRIE (Community Unified Response to Radiological Incidents and Emergencies) tabletop exercises.
 - ROSS quarterly competency maintenance problem sets.
 - Historical recognition to document competencies demonstrated in the past.



FEMA



Join CRCPD HS/ER-4 to Help Lead the ROSS for the Future

- Apply here: <https://crcpd.org/join-crcpd/>
- If you want to do become a member, email me and put "HS/ER-4 Membership" in the subject line.
- I will invite you to our next meeting.
- If you like our work, apply for membership to Homeland Security/Emergency Response Committee-4 here:
- With more than 500 people trained to become ROSS, and as a volunteer organization, we need a lot of help!



FEMA



CONFERENCE OF RADIATION CONTROL PROGRAM DIRECTORS, INC. (CRCPD) MEMBERSHIP APPLICATION

Applications require dues payment to be processed. * Required information is in all capital letters. The applicant's signature is required. Director Member and Associate Member applications require an additional signature.

1. Applicant INFORMATION:

NAME and title: ORGANIZATION NAME: STREET OR PO BOX: CITY, STATE, ZIP: Telephone: E-MAIL ADDRESS**: 	There is a separate nomination form for Emeritus, Honorary, and Life memberships. The form is available online; the form is also available from CRCPD for those not able to obtain the form online. **Required to access the Members Only/Regulatory Forum sections on CRCPD's Web site.
--	---

2. Membership CATEGORY (Check one): If you have any questions regarding which type of membership is the correct one for you, please contact Sharon Bowen at CRCPD (502/227-4543, Ext. 2229). **NOTE: 2023 DUES INCREASE**

Category	Annual Fee	Category Description	Signature(s) required
Director	\$145	Director Members are those individuals who are directors of radiation control programs of approved governmental entities, as defined by the CRCPD Bylaws. The applicant's supervisor's signature is required. ->>	Sign here: For the Director Member, the Applicant's Supervisor's Signature is required above.
Associate	\$65	Associate Members are staff of state and local radiation control programs. Employment verification by the program director is required in the box to the right. ->> Application is for Individual Associate Membership unless specified otherwise by the Director Member. ->>	This is to verify that the above individual is an employee of the State's Radiation Control Program. Sign here: Program Director's Signature This applicant is to be included in my State's _____ Group Membership _____ Agency Membership
Affiliate	\$95	Affiliate Members are individuals not with a state or local radiation control program with an interest in radiation protection and the activities of the CRCPD.	4. APPLICANT'S SIGNATURE Sign here: Date: _____
International	\$105	International Members are individuals employed in radiation protection programs that are not in the United States or Puerto Rico.	
Emeritus	Waived the First Year	Director and Associate members retired from a radiation control program can apply. All others must be retired from active radiation work and be nominated by the Board.	Federal Tax ID # 71-0477513 DUNS # 11-596-3720

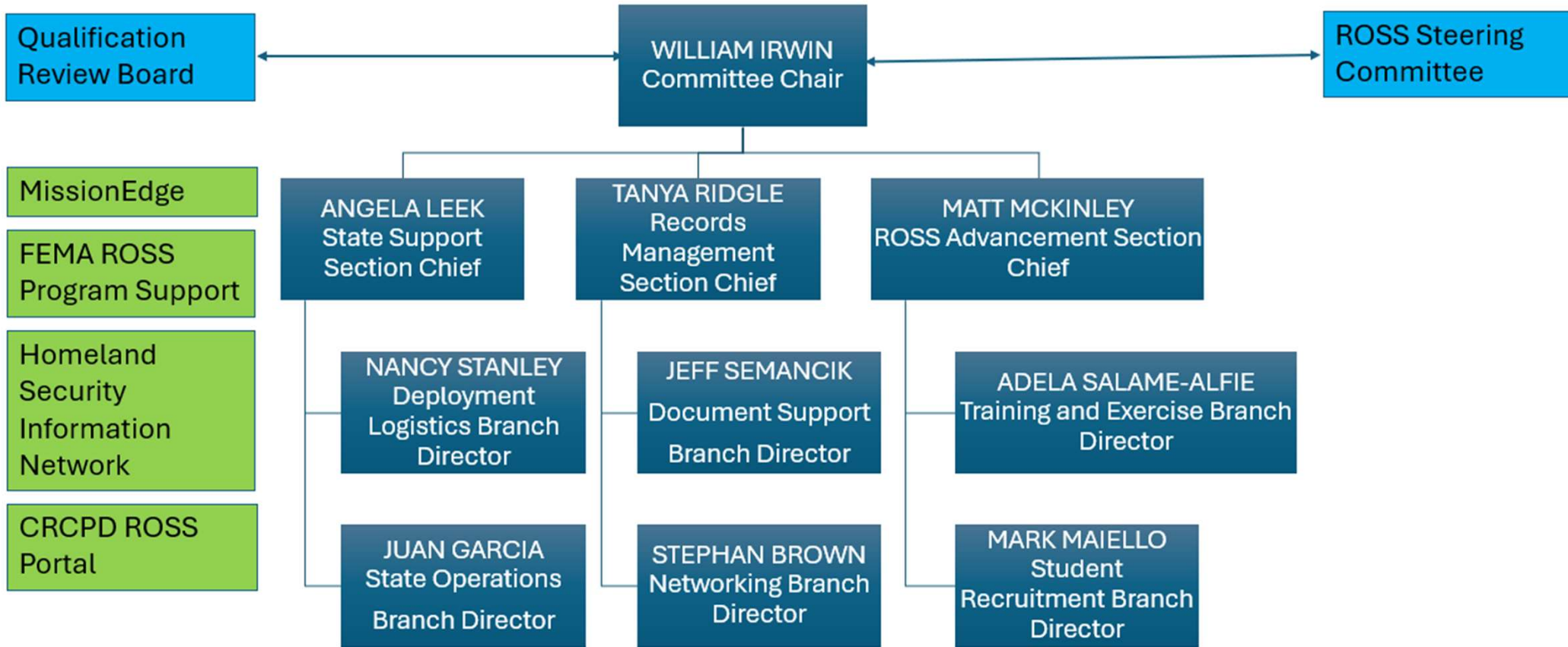
3. Method of PAYMENT:

<input type="checkbox"/> Check Enclosed (Payable to CRCPD)	* If payment is not enclosed, the reason is: This individual is included in the State's Group Membership: Specific individuals are included in one invoice, so payment may not be required when adding a new member, but new members are required to complete and submit a membership application. This individual is included in the State's Agency Membership: The state pays a flat fee based on the Agency size selected by the Director Member, so payment is not required when adding a new member, up to the maximum number in the Agency's size. The Director Member provides CRCPD each new member's name, address, telephone and fax numbers and email address. This information may be (but is not required to be) provided on a membership application.
<input type="checkbox"/> Check to be Sent Separately	
<input type="checkbox"/> Purchase Order Enclosed Purchase Order Number: _____ <input type="checkbox"/> Purchase Order to be Sent Separately	
<input type="checkbox"/> Credit Card on CRCPD portal	

Send to: CRCPD, Attn. Sharon Bowen
201 Brighton Park Blvd., Suite 1
Frankfort, KY 40601
sbowen@crcpd.org

Fax: 502/227-7862
Tele: 502/227-4543, Ext. 2229

ROSS Working Group Annual Meeting, 10-12 September 2024



FEMA



The ROSS and the Reserve Corps



- The Department of Energy Nuclear Emergency Support Team (NEST) is building a Reserve Corp
- Several ROSS were recommended for it and some have been offered opportunities to join.
 - The Reserve Corps is designed to assist full-time NEST when relief is needed or when full-time resources could use help.
 - The Reserve Corps assists the National Nuclear Security Administration (NNSA) in its Office of Nuclear Incident Response, especially in exercises like Marble Challenge and Cobalt Magnet.
 - The Reserve Corps assists the Ukraine Task Force and the Office of Nuclear Incident Policy and Cooperation.
- With similar goals to build a radiological and nuclear emergency workforce, we hope the ROSS and Reserve Corps can help each other long-term.



FEMA



New Type 1 and 3 ROSS



FEMA



CRCPD Qualification Review Board Recommends 3 Newly Typed ROSS

- New Type 3
 - Greg Funderburk of California
 - Peter Hill of Ohio
- New Type 1 ROSS
 - Paul Schmidt of Wisconsin
- Unique elements to each certification
 - Greg used his employer, his Fire Department Chief, as his Authority Having Jurisdiction
 - Peter's documentation was entirely using MissionEdge
 - Wisconsin has its own Qualification System, but uses both theirs and ours to certify ROSS



FEMA



ROSS Participation in Cobalt Magnet 25

Jon Gill and Bill Irwin



FEMA



Questions? william.Irwin@vermont.gov

Cobalt Magnet 25 and ROSS

- March 17 through 21, 2025
- Twenty-three ROSS have responded to the MissionEdge deployment request stating they could participate in person in Michigan or virtually at the CDC.
 - We seek ten at each site.
 - Those in Michigan will have travel funding from FEMA OET.
 - Those serving the CDC virtually will be part of their long-term response organization.



FEMA



Cobalt Magnet 25 and ROSS

- More than ten responding ROSS want to go to Michigan, so those not chosen will be offered positions assisting the CDC.
- A summary of ROSS recommendations will be offered to Michigan and the CDC in January.
- All responding ROSS are exceptional!
- Thank you to all who volunteered for this critically important exercise!



FEMA



Cobalt Magnet Review

- Cobalt Magnet 25 is a nuclear power plant (NPP) exercise with a scenario centered where the Fermi II plant is located.
- Because it involves multiple states, two countries and hundreds of players, this will be a very high-profile national level exercise unlikely to be repeated for some time.
- Likely sites for players and controllers in Michigan include the:
 - Federal Radiological Monitoring Assessment Center (FRMAC)
 - The Master Control Center/Simulation Cell
 - Michigan's Joint Information Center, Community Reception Center, Emergency Coordination Center, Department of Environment, Great Lakes and Energy, and the Department of Agriculture and Rural Development/



FEMA



Cobalt Magnet 25 in Atlanta

- The CDC is seeking to augment their pool of radiation subject matter experts.
- ROSS there would all be players.
- We would choose one or two to be ROSS Task Force Leaders.
- You should expect to float from need-to-need within the CDC Emergency Operations Center.



FEMA



Homeland Security Information Network (HSIN) ROSS Community of Interest

Jeff Semancik, FEMA Type 1 ROSS



FEMA



Jeffrey.Semancik@ct.gov

HSIN

ROSS Community of Interest

Registration Changes

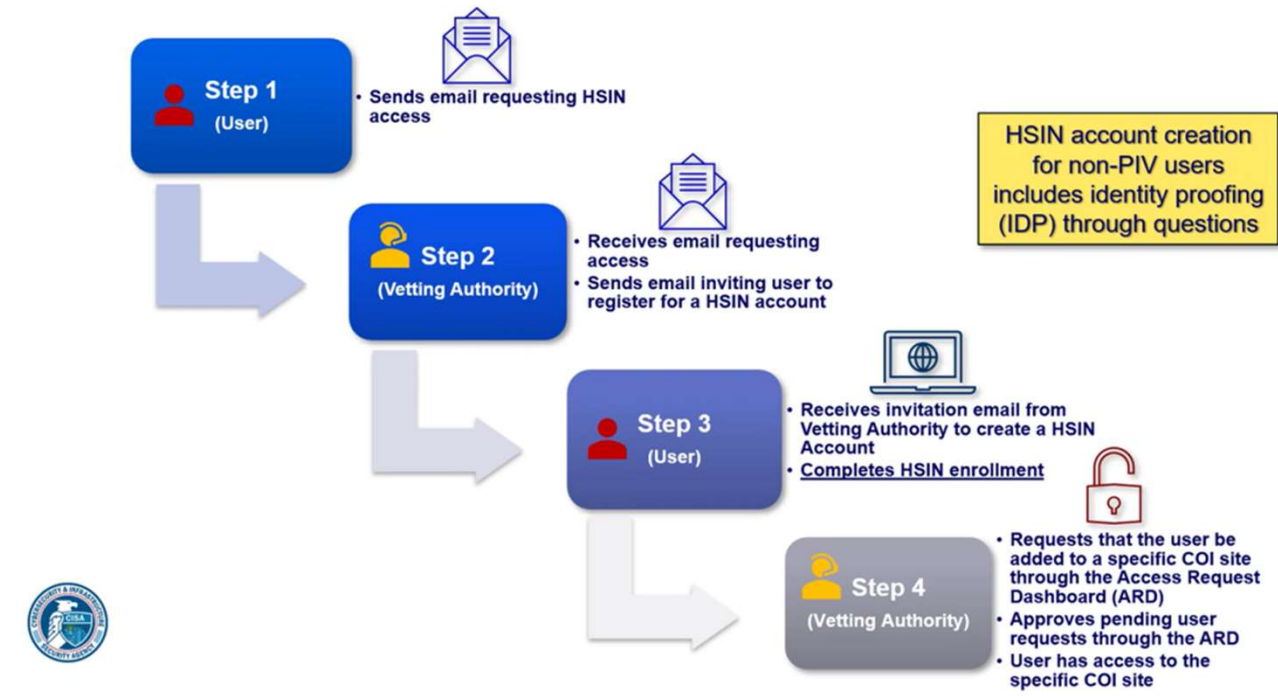
The screenshot shows the HSIN (Homeland Security Information Network) website interface. At the top, there is a navigation bar with the HSIN logo and the text "Homeland Security Information Network". The user's name, "Jeffrey D. Semancik (JEFFRE)", is visible in the top right corner. Below the navigation bar, the page title is "Radiological Operations Support Specialists". A search bar is located in the top right corner of the page content. On the left side, there is a sidebar menu with the following items: Home, ROSS Read-Only Library, ROSS Collaboration Library, Announcements, ROSS Directory, Resources, Suggest Content, Access Request Dashboard, Recent, ROSS Discussion Board, and Site Contents. The main content area features a large heading "Radiological Operations Support Specialists" with a circular ROSS logo. Below the heading is a descriptive paragraph: "During hazardous radiological preparedness or response operations, the Radiological Operations Support Specialist (ROSS) identifies and provides critical information to responders, key leaders, and decision-makers. The ROSS is a state and local subject matter expert (SME) with the ability to bridge the gap between response and radiological knowledge in order to minimize the impact of a potential or actual incident involving the release of radiological or nuclear materials." Below this is an "Announcements" section with two entries: "FOUO Reminder" by Jeffrey D. Semancik (JEFFREY.SEMANCIK) dated 9/16/2021 3:17 PM, and "ROSS Directory" by Jeffrey D. Semancik (JEFFREY.SEMANCIK) dated 6/3/2020 5:48 PM. A link to "Add new announcement" is at the bottom of the announcements section. On the right side, there is a "Highlighted Content" section with a search bar and a list of documents: "Nuclear Terrorism Assessment of US Strategies to Prevent Counter and Respond to Weapons of Mass Destruction", "Planning Guidance for Responding to and Recovering from Radiological Dispersal Device (RDD) Incidents After the Initial Response December 2023", "Nuclear Detonation Response Guidance Planning for the First 72 Hours", "FEMA Planning Guidance for Response to a Nuclear Detonation", and "Quick Reference Guide - Nuclear Detonation Rad Risk Info for Responders". A "ROSS In Action" section is partially visible at the bottom right.



FEMA



Current HSIN Registration Workflow

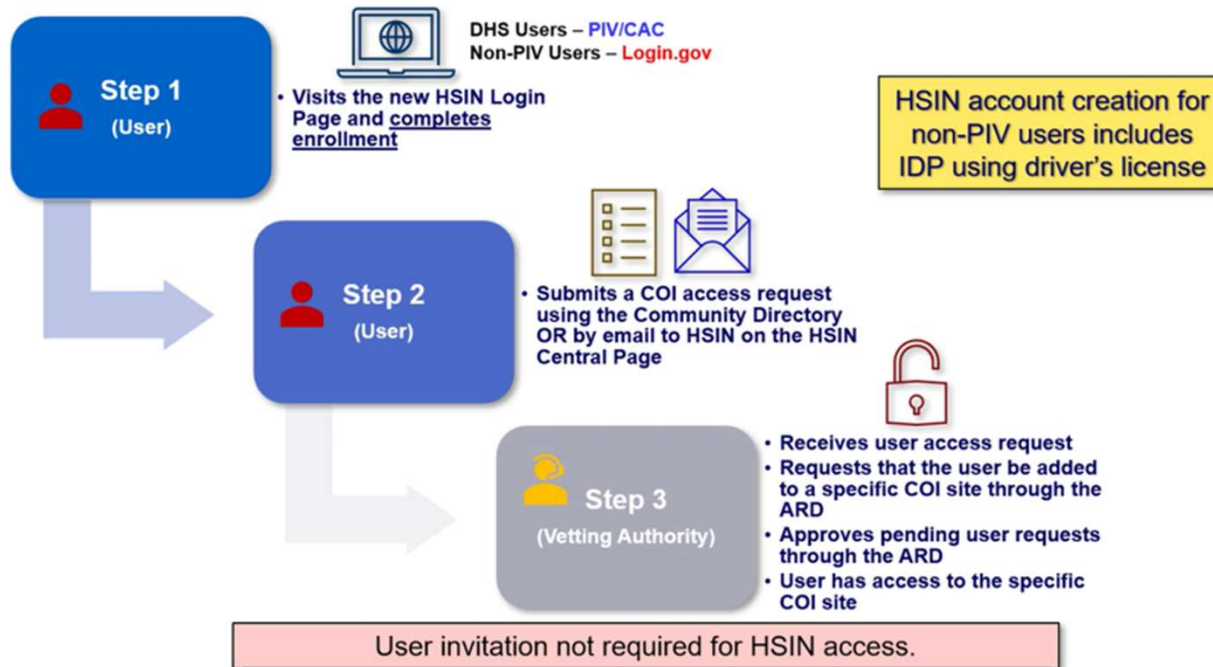


FEMA



New Process – Self Service Registration

This process maintains controls that are currently in place for access, while maintaining security.



FEMA



Comparison

Current HSIN Registration

1. Invitation be sent from HSIN vetting authority
2. IDP via credit bureaus
 1. Alternately supervisor vetting if credit locked
3. COI Access issued by vetting authority after verifying requestor has completed ROSS initial training
 1. Requests via HSIN homepage or COI Directory request
 2. Email COI administrator directly after you have HSIN account

Self Service Registration

1. Self registration via through [login.gov](https://www.login.gov)
2. IDP via drivers license upload
 1. Alternately present at a US Post Office
3. COI Access issued by vetting authority after verifying requestor has completed ROSS initial training
 1. Requests via HSIN homepage or COI Directory request
 2. Email COI administrator directly after you have HSIN account



FEMA



Questions/Requests

Jeff Semancik

Jeffrey.Semancik@ct.gov

860-597-3628



FEMA



MissionEdge Overview

Documenting and Endorsing Tasks

Angela Leek, PhD, CHP, FEMA Type 1 ROSS

MissionEdge Portal Overview

The screenshot displays the MissionEdge Portal Dashboard. At the top, the logo 'MISSIONEDGE' and 'Dashboard' are on the left, and 'Welcome TESTONLY, ANGELATEST' with a notification bell icon is on the right. The dashboard is organized into a grid of seven main sections:

- Open PTB** (highlighted in pink): Radiological Operations Support Specialist (ROSS) (FEMA NQS) - Type III, 0% Complete.
- Trainings**: View org training requirements and upcoming training classes.
- Availability**: Manage your availability.
- Responder Profile**: Organizations, Positions, PTBs, Trainings, Deployment History, etc.
- Contact Details**: Manage your phone numbers, emails, and location.
- Account Management**: Update your username, password, security question, and preferred name.
- Need Help?**: View Support Information.

Requesting Evaluators

Position Task Book

Export

Task Book Info

NAME	TESTONLY, ANGELATEST
CATEGORY	Screening, Search, and Detection
TRAINEE POSITION	Radiological Operations Support Specialist (ROSS) - Type III
SPONSORING ORGANIZATION	FEMA FEMA NQS
STATUS	Issued

PTB Evaluators ^

Manage

Additional Qualification Requirements ^

Recommended Training ^

Request Training Credit

Comments ^

Record Comment

Documents ^

Attach Document

Messages ^

Send Message

Requesting Evaluators



Manage PTB Evaluators

[+ Request Evaluator](#)

[↶ Back](#)

PTB Evaluators

You do not have any PTB Evaluators assigned. Please request a PTB Evaluator for this PTB or use the Send Message functionality to send a message to your Organization's Qualifications Staff.

Request Evaluator

COMMENT



	Name	Primary Organization	Qualified?	Authorized?
<input checked="" type="checkbox"/> Select	Leek, Angela	Conference of Radiation Control Program Directors (CRCPD) ROSS Iowa ROSS	Yes	Yes
<input checked="" type="checkbox"/> Select	Gillette, Kelly	Conference of Radiation Control Program Directors (CRCPD) ROSS Iowa ROSS	Yes	No
<input type="button" value="Undo"/>	Irwin, William	Conference of Radiation Control Program Directors (CRCPD) ROSS Vermont ROSS	Yes	No

<input checked="" type="checkbox"/> Select	Pepper, Andrea	Conference of Radiation Control Program Directors (CRCPD) ROSS Georgia ROSS	Yes	No
<input checked="" type="checkbox"/> Select	Hardeman, Jim	Conference of Radiation Control Program Directors (CRCPD) ROSS Georgia ROSS	Yes	Yes
<input checked="" type="checkbox"/> Select	Foster, Kay	Conference of Radiation Control Program Directors (CRCPD) ROSS	Yes	No

10 Showing 1 to 10 of 36 entries

Previous 1 2 3 4 Next

Position Task Book

Export

Task Book Info

NAME	TESTONLY, ANGELATEST
CATEGORY	Screening, Search, and Detection
TRAINEE POSITION	Radiological Operations Support Specialist (ROSS) - Type III
SPONSORING ORGANIZATION	FEMA FEMA NQS
STATUS	Issued

Status ^

Requesting Training Credit

Training ^

Request Training Credit

Additional Qualification Requirements ^

Recommended Training ^

Request Training Credit

Comments ^

Record Comment

Documents ^

Attach Document

Messages ^

Send Message

Instructions ^

EFFECTIVE DATE *

Dec 10, 2024

ATTACH DOCUMENT *

No File Selected...

Select File

COMMENT

Instructions ^

EFFECTIVE DATE *

Dec 10, 2024

ATTACH DOCUMENT *

No File Selected...

Select File

COMMENT



ONLY SHOW TRAININGS REQUIRED FOR PTB
RADIOLOGICAL OPERATIONS SUPPORT SPECIALIST (ROSS) - TYPE III

Show/Hide Columns

Search...

<input checked="" type="checkbox"/>	FEMA Emergency Management Institute (EMI)	0800	National Response Framework (NRF). An Introduction	--
<input checked="" type="checkbox"/>	FEMA Emergency Management Institute (EMI)	0836	Nuclear/Radiological Incident Annex	--

Showing 1 to 9 of 9 entries

Previous 1 Next

Request Cancel

Position Tasks

Position Task Book

Export

Task Book Info

NAME	TESTONLY, ANGELATEST
CATEGORY	Screening, Search, and Detection
TRAINEE POSITION	Radiological Operations Support Specialist (ROSS) - Type III
SPONSORING ORGANIZATION	FEMA FEMA NQS
STATUS	Issued

Status ^

PTB Evaluators ^

Manage

Behaviors and Tasks ^

Recommended Training ^

Request Training Credit

Comments ^

Record Comment

Documents ^

Attach Document

Messages ^

Send Message

ROSS can only view
their Tasks

An evaluator must
Endorse on their login

MISSIONEDGE Dashboard Welcome TESTONLY, ANGELATEST

Behaviors and Tasks

INCOMPLETE? COMPLETED? WAIVED?

Competency	Behavior	Tasks
Other Competencies	Demonstrate Core Position Skills	0/10

Task Identifier	Task	Codes	# Endorsements Required	Status
985	Demonstrate the ability to research and explain capabilities of major local, state, tribal, territorial, and Federal assets as they relate to NPP release, RDD and NucDet incidents: <ul style="list-style-type: none"> Describe the main assets available in state and local jurisdictions for radiological incidents Describe the main subject-matter-expert assets available from the Federal government for radiological incidents 	C, E, F, I, J, T	1	0 of 1

Behaviors and Tasks

INCOMPLETE? COMPLETED? WAIVED?

Competency	Behavior	Tasks
Other Competencies	Demonstrate Core Position Skills	0/10

Task Identifier	Task	Codes	# Endorsements Required	Status
985	Demonstrate the ability to research and explain capabilities of major local, state, tribal, territorial, and Federal assets as they relate to NPP release, RDD and NucDet incidents: <ul style="list-style-type: none"> Describe the main assets available in state and local jurisdictions for radiological incidents Describe the main subject-matter-expert assets available from the Federal government for radiological incidents Describe the main non-radiation subject-matterexpert assets available from the Federal government to support incident response Identify references describing various assets and resources 	C, E, F, I, J, T	1	0 of 1

Providing supporting documentation for a Task

MISSIONEDGE Dashboard Welcome TESTONLY, ANGELATEST

Position Task Book

[Export](#)

Task Book Info

NAME	TESTONLY, ANGELATEST
CATEGORY	Screening, Search, and Detection
TRAINEE POSITION	Radiological Operations Support Specialist (ROSS) - Type III

Attach Document

 No File Selected...

[Select File](#)

COMMENT

[Save](#)

[Cancel](#)

Documents ^

[Attach Document](#)

Messages ^

[Send Message](#)

Providing supporting documentation for a Task

The screenshot displays the MISSIONEDGE Dashboard interface. At the top, the user is identified as 'TESTONLY, ANGELATEST'. The main content area is titled 'Position Task Book' and includes a 'Task Book Info' section with the name 'TESTONLY, ANGELATEST'. An 'Export' button is visible in the top right corner.

A 'Record Comment' modal is open, featuring a text input field for the comment and 'Save' and 'Cancel' buttons. Below the modal, the 'Comments' section shows a table with one entry:

Date	Commenter	Comment
12/16/2024 7:26 PM CST	TESTONLY, ANGELATEST	Test comment

The interface also includes a 'Recommended Training' section and a 'Messages' section at the bottom. On the right side, there are several buttons for actions like 'Request Training Credit', 'Record Comment', 'Attach Document', and 'Send Message'.

Communicating in MissionEdge

The screenshot displays the MissionEdge dashboard interface. At the top, the header includes the MissionEdge logo, the word 'Dashboard', a notification bell with a red '0', and a user greeting 'Welcome TESTONLY, ANGELATEST' with a dropdown arrow. Below the header, the 'Position Task Book' section is visible, featuring an 'Export' button and a 'Task Book Info' table. The table has one row with the column 'NAME' and the value 'TESTONLY, ANGELATEST'. A 'Send Message' dialog box is open in the foreground, containing a 'MESSAGE' text area with a rich text editor icon, a 'SEND TO' section with three recipient options, and 'Send' and 'Cancel' buttons. At the bottom of the dashboard, there are two expandable sections: 'Documents' with an 'Attach Document' button and 'Messages' with a 'Send Message' button.

MISSIONEDGE Dashboard

Welcome TESTONLY, ANGELATEST

Position Task Book

Export

Task Book Info

NAME	TESTONLY, ANGELATEST
------	----------------------

Send Message

MESSAGE

SEND TO

- PTB EVALUATOR(S)
- ORGANIZATION QUALIFICATIONS STAFF
- ORGANIZATION TRAINING STAFF

Send Cancel

Documents ^ Attach Document

Messages ^ Send Message

Evaluator Endorsement

MISSIONEDGE Dashboard Welcome Leek, Angela

Messages
Click to review messages awaiting your response

Approval Requests and Workflows
1 item pending your approval
1 pending Approve Task Book awaiting your review

Open PTB
Radiological Operations Support Specialist (ROSS) (FEMA NQS) - Type IV
100% Complete

Trainee/Candidate
4 Open PTBs

Trainings
View org training requirements

Availability
Manage your availability

Trainee/Candidates

Assigned

Trainee Name	Position	Sponsoring Organization	Issued	Issuing Organization	Status	% Trainings	% Tasks	% Completion	Unread Messages
Gillette, Kelly	Radiological Operations Support Specialist (ROSS) - Type I	FEMA FEMA NQS	6/30/2023	Conference of Radiation Control Program Directors (CRCPD) ROSS	Issued	93%	82%	84%	
Ridgle, Tanya	Radiological Operations Support Specialist (ROSS) - Type I	FEMA FEMA NQS	7/6/2023	Conference of Radiation Control Program Directors (CRCPD) ROSS	Issued	100%	82%	85%	
Haskins, Hillary	Operations Support Specialist (ROSS) - Type III	FEMA FEMA NQS	9/21/2023	Control Program Directors (CRCPD) ROSS	Issued	44%	2%	10%	

Showing 1 to 4 of 4 entries

Previous 1 Next

Evaluator Endorsement

Evaluator Endorsement

Position Task Book

Release Trainee Export

Task Book Info

NAME	Ridgle, Tanya
CATEGORY	Screening, Search, and Detection
TRAINEE POSITION	Radiological Operations Support Specialist (ROSS) - Type I
SPONSORING ORGANIZATION	FEMA FEMA NQS
STATUS	Issued

Status ^

PTB Evaluators ^

Behaviors and Tasks ^

Grant Endorsements

Additional Qualification Requirements ^

Grant Endorsements

Documents ^

Attach Document

Messages ^

Send Message

Evaluator Endorsement

MISSIONEDGE Dashboard Welcome Leek, Angela

STATUS Issued

Status ^

PTB Evaluators ^

Training ^

Recommended Training ^

Behaviors and Tasks Grant Endorsements

INCOMPLETE? COMPLETED? WAIVED?

	Competency	Behavior	Tasks
+	Other Competencies	Demonstrate Core Position Skills	15/16
+	Assume position responsibilities	Ensure availability, qualifications, and capabilities of resources to complete assignment	1/1
+	Assume position responsibilities	Ensure readiness for assignment	10/10
+	Assume position responsibilities	Establish effective relationships with relevant personnel	1/1

Showing 1 to 10 of 13 entries Previous 1 2 Next

Additional Qualification Requirements ^ Grant Endorsements

Comments ^ Record Comment

Documents ^ Attach Document

Messages ^ Send Message

Evaluator Endorsement



Dashboard



Welcome Leek, Angela ▾

Hello, what kind of task are you and Ridgle, Tanya working on today?

(C) - TASK PERFORMED IN TRAINING OR CLASSROOM SETTING, INCLUDING SEMINARS AND WORKSHOPS.

(E) - TASK PERFORMED DURING A FULL-SCALE EXERCISE WITH EQUIPMENT DEPLOYED UNDER THE INCIDENT COMMAND SYSTEM (ICS).

(F) - TASK PERFORMED DURING A FUNCTIONAL EXERCISE MANAGED UNDER THE ICS.

(I) - TASK PERFORMED DURING AN INCIDENT OR EVENT MANAGED UNDER THE ICS. EXAMPLES INCLUDE OIL SPILL, SEARCH AND RESCUE OPERATION, HAZARDOUS MATERIALS (HAZMAT) RESPONSE, FIRE, AND EMERGENCY OR NONEMERGENCY (PLANNED OR UNPLANNED) EVENTS.

(J) - TASK PERFORMED AS PART OF DAY-TO-DAY JOB DUTIES.

(T) - TASK PERFORMED DURING A TABLETOP EXERCISE.

ADDITIONAL EVENT INFORMATION

✓ OK

↶ Back

Evaluator Endorsement

MISSIONEDGE Dashboard 1 Welcome Leek, Angela

Grant Endorsements

Ridgle, Tanya - Radiological Operations Support Specialist (ROSS) - Type I

[Endorse](#) [Back](#)

Endorsable Tasks - C

Competency	Behavior	Tasks
Other Competencies	Demonstrate Core Position Skills	1

Grant Endorsements

Ridgle, Tanya - Radiological Operations Support Specialist (ROSS) - Type I

[Endorse](#) [Back](#)

Endorsable Tasks - C

Competency	Behavior	Tasks
Other Competencies	Demonstrate Core Position Skills	1

Task	Codes	# Endorsements Required	Status
Select Manage multiple ROSS Strike Teams engaged in different radiological incident management functions for the most geographically widespread and resource-intensive response and recovery operations	C, E, F, I, J, T	1	0 of 1

Evaluator Endorsement

Endorse



ENDORSED BY Leek, Angela

RESPONDER Ridgle, Tanya

ENDORSEMENT DATE 12/16/2024

ENDORSING 1

COMMENT



ROSS Orientation and State ROSS Coordinator Training

Bill Irwin, ScD, CHP, FEMA Type 1 ROSS, CRCPD ROSS Program Manager



FEMA



Questions? william.Irwin@vermont.gov

ROSS, Authority Having Jurisdiction, & State ROSS Coordinator Training

- Key roles in the ROSS Program
- History of the ROSS
- ROSS Qualification
- State ROSS Coordinators



FEMA



Key Roles in the ROSS Program

- Radiological Operations Support Specialist (ROSS)
 - A FEMA National Qualification System (NQS) position.
 - A radiological and nuclear emergency response and recovery subject matter expert.
- Authority Having Jurisdiction (AHJ)
 - The individual to whom a ROSS reports for duty within their home jurisdiction.
 - In most cases, this is the state Radiation Control Program Director
- State ROSS Coordinator (SRC)
 - Appointed by AHJ to assist those who want to become ROSS and to assimilate ROSS into the jurisdiction's radiological emergency preparedness capability.
 - They do not have to be ROSS, but most are.
- FEMA Office of Emerging Threats (OET)
 - Federal government ROSS Program Management.
 - Has been leading the ROSS effort since soon after 9/11.



FEMA



Players in the ROSS Program

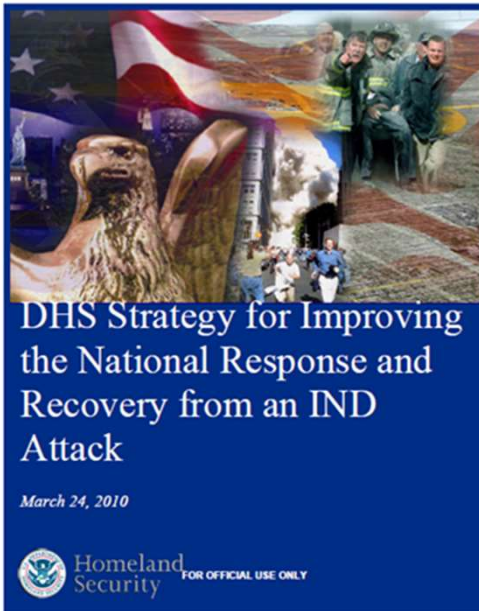
- Conference of Radiation Control Program Directors (CRCPD)
 - Represents the state and territorial radiation protection agencies.
 - A non-profit organization directed by STT RCPDs.
- CRCPD Homeland Security/Emergency Response Committee 4 (HS/ER-4)
 - Manages ROSS functions within states and compatible with NQS guidance.
 - Host the Qualification Review Board (QRB) to independently assess advancement by type.
- ROSS Steering Committee
 - Leadership that help ensure ROSS activities meet federal, state, local, territorial and tribal needs.
 - FEMA OET
 - CRCPD HS/ER-4 Chair
 - DHS National Urban Security Technology Laboratory (NUSTL) leadership
 - DOE National Nuclear Security Administration (NNSA) leadership



FEMA



History of the ROSS – the Beginning



- The ROSS grew out of the Improvised Nuclear Device (IND) Forum, an assessment of gaps in the nation's preparedness for an IND.
- One gap identified: an insufficient number of subject matter experts (SMEs) to respond to a nuclear detonation, especially at the state and local level.
- FEMA led a program to develop these SME responders with the support of the DHS NUST and the DOE NNSA.
- Starting in 2014, the role was piloted in nuclear detonation exercises, including the Department of Defense's Vibrant Response series.
- State SMEs were provided to test the ROSS by the CRCPD.



FEMA



History of the ROSS – the Focus Areas

National Planning Scenarios	FEMA
Key Scenario Sets	National Planning Scenarios
1. Explosives Attack – Bombing Using Improvised Explosive Device	Scenario 12: Explosives Attack – Bombing Using Improvised Explosive Device
2. Nuclear Attack	Scenario 1: Nuclear Detonation – Improvised Nuclear Device
3. Radiological Attack – Radiological Dispersal Device	Scenario 11: Radiological Attack – Radiological Dispersal Device
4. Biological Attack – With annexes for different pathogens	Scenario 2: Biological Attack – Aerosol Anthrax Scenario 4: Biological Attack – Plague Scenario 13: Biological Attack – Food Contamination Scenario 14: Biological Attack – Foreign Animal Disease
5. Chemical Attack – With annexes for different agents	Scenario 5: Chemical Attack – Blister Agent Scenario 6: Chemical Attack – Toxic Industrial Chemicals Scenario 7: Chemical Attack – Nerve Agent Scenario 8: Chemical Attack – Chlorine Tank Explosion
6. Natural Disaster – With annexes for different disasters	Scenario 9: Natural Disaster – Major Earthquake Scenario 10: Natural Disaster – Major Hurricane
7. Cyber Attack	Scenario 15: Cyber Attack
8. Pandemic Influenza	Scenario 3: Biological Disease Outbreak – Pandemic Influenza



History of the ROSS – the Job Task Analysis

- Evaluators followed the ROSS and wrote after action reports on the skills, knowledge and abilities (SKAs) ROSS used in the exercises.
- Lawrence Livermore National Laboratory (LLNL) conducted focused outreach to the health physics and response communities to document the SKAs useful to people who might become ROSS and people who might need ROSS.
- LLNL used the SKAs as objectives for a set of training lesson plans



FEMA



History of the ROSS – the Job Task Analysis

- A pilot course was hosted by the CRCPD and delivered to sixteen health physicists in 2016.
- After a second pilot hosted by the Centers for Disease Control and Prevention (CDC), the lesson plans were turned over to Counterterrorism Operations Support (CTOS).
- CTOS conducted three pilot courses to have the course PER-388 accepted into FEMA's National Domestic Preparedness Consortium catalog in 2018.
- Leading ROSS teach the CTOS class technical content.



FEMA



Job Task Analysis

- It is important that the ROSS not just be book smart, but also skilled in radiation protection, rad/nuc emergency response and specialized software.
- ROSS must equally do well leading teams and working within teams.

Basic Health Physics Knowledge

Note: Passing Part 1 of the AAHP Exam represents at least an "intermediate" proficiency in all categories. CHP or PhD in Radiological Health Physics represents at least "Advanced" in all categories. NRRPT Certification represents at least a "Novice" proficiency in all categories.

1. Measurements and Instrumentation

- 1.1 Types of Measurements
- 1.2 Selection of Instruments
- 1.3 Analytical Techniques for Sampling
- 1.4 Measurement Methods
- 1.5 Interpretation and Reporting of Results
- 1.6 Quality Control and Data Quality Objectives
- 1.7 Instrument Calibration, Maintenance, and Performance Testing

ROSS Minimum Knowledge

Type 1 (Highest)	Type 2	Type 3
Intermediate	Novice	Novice
Intermediate	Novice	Novice
Intermediate	Novice	Novice
Intermediate	Novice	Awareness
Intermediate	Novice	Awareness
Awareness	Awareness	Awareness
Novice	Awareness	Awareness

2. Standards and Requirements

- 2.2 History and Development (regulation basis and past exposures and events)
- 2.3 Use and Application
- 2.4 Types of Regulations (jurisdiction / authorities)
- 2.5 Interpretation and Knowledge

Type 1 (Highest)	Type 2	Type 3
Intermediate	Novice	Awareness
Intermediate	Novice	Awareness
Intermediate	Novice	Awareness
Intermediate	Novice	Awareness

3. Hazards Analysis and Controls

- 3.1 Hazard Identification
- 3.2 Evaluate and Assess Significance/Consequence
- 3.3 Devise and Implement Controls
- 3.4 Types of Engineered Controls
- 3.5 Designs and Specifications
- 3.6 Selection and Evaluations (PPE, dosimetry, shielding, & decon)
- 3.7 Use and Operations
- 3.8 Document and Communicate

Type 1 (Highest)	Type 2	Type 3
Novice	Awareness	
Novice	Awareness	Awareness
Intermediate	Novice	Novice
Novice	Awareness	
Novice	Novice	Awareness
Intermediate	Novice	Novice
Awareness	Awareness	Awareness
Novice	Novice	Awareness

4. Operations and Procedures

- 4.1 Standard Operating Practices and Procedures
- 4.2 Emergency Response (see Radiological Response Knowledge and Tools)
- 4.3 Basis for Operations and Program
- 4.4 Program Types
- 4.5 Records

Type 1 (Highest)	Type 2	Type 3
Intermediate	Novice	Novice
Advanced	Intermediate	Novice
Novice	Novice	Awareness
Novice	Awareness	
Novice	Awareness	

5. Fundamentals and Education

- 5.1 Skills of the Trade - explain
- 5.2 Types
- 5.3 Other Fundamentals

Type 1 (Highest)	Type 2	Type 3
Intermediate	Intermediate	Novice
Novice	Novice	Awareness
Intermediate	Intermediate	Intermediate

Note: these are taken from CHP required knowledge categories



FEMA

Job Task Analysis

Radiological Response Knowledge & Tools

		ROSS Capability Type		
		Type 1 (Highest)	Type 2	Type 3
RR1. Models and Software Tools				
RR1.1 Atmospheric Dispersion Modeling (e.g. Hot Spot, RASCAL, HPAC, NARAC)		Novice	Awareness	Awareness
RR1.2 Dose Assessment Modeling (e.g., RESRAD-RDD & TurboFRMAC)		Awareness	Awareness	
RR1.3 Monitoring Planning (10 point strategy, MARSIM Methodology, & Visual Sample Plan)				
Emergency Monitoring Strategies (e.g., 10 point Strategy)		Intermediate	Intermediate	Intermediate
Software tool (e.g., Visual Sampling Plan (VSP) & MARSIM)		Awareness		
RR1.4 Information Management / Data Telemetry / Databases				
RadResponder	Note: For resources that require an account to access	Intermediate	Intermediate	Intermediate
CMWeb	Awareness Know how to request access	Intermediate	Novice	Awareness
HSIN	Novice Have an active account and understand how to navigate	Novice	Awareness	Awareness
RR1.3 FRMAC/IMAAC Product Interpretation & Customization	Intermediate Active account and familiar with sending, receiving, and requesting data	Intermediate	Intermediate	Novice
RR2. Radiological Emergency Response Standards and Guidance (e.g., NCRP, ICRP, ANSI, & IAEA - see references)		Intermediate	Novice	Awareness
RR3.0 Response Doctrine and Framework		Type 1 (Highest)	Type 2	Type 3
RR3.1 Federal, State, and Local Radiological Response Doctrine (Federal, State, and Local Plans manuals frameworks, & playbooks - see reference list)		Intermediate	Novice	Awareness
RR3.2 Federal Radiological Response Assets & Capabilities				
Advisory Team for the Environment, Food, and Health	Awareness Know it exists and what it does	Intermediate	Intermediate	Novice
FRMAC	Novice Know how to activate and use asset	Intermediate	Novice	Awareness
All other resources (see ROSS Resource Guide)	Intermediate Know activation, expected timelines, and response integration.	Novice	Awareness	Awareness
RR3.3 State Radiological Response (e.g. implication of a NRC agreement vs. non-agreement State & Impact on Home Rule vs Dillon Rule governance)		Intermediate	Novice	Awareness
RR4. Radiological Threats		Type 1 (Highest)	Type 2	Type 3
Understanding Radiological Terrorism, sources of concern, and potential impacts		Intermediate	Novice	Awareness
Understanding Nuclear Terrorism and potential impacts		Intermediate	Novice	Awareness



History of the ROSS - - a National Qualification



"There is a shared recognition that FEMA cannot only plan for events we are capable of responding to; rather, we must plan for catastrophic events that will overwhelm capabilities at all levels of the government and private sector and challenge even the most scalable structures and systems."

– Administrator Craig Fugate

- In 2019, the FEMA National Integration Center assisted in the development of a FEMA NQS Position Qualification (NIMS 509) and a Position Task Book (PTB) for the ROSS.
- It follows the SKAs in the job task analysis and builds on the initial training in CTOS PER-388.
- After national engagement to answer questions and respond to comments about the NIMS 509 and PTB, they were incorporated into the NQS.
- The NIMS 509 is here: [Radiological Operations Support Specialist](#)
- The PTB is here: [Radiological Operations Support Specialist PTB](#)



FEMA





Resource Typing Definition for Response
Situational Assessment

Provides a description of Types 1, 2, 3 and 4 and the experiential, educational and training requirements of each type.

RADIOLOGICAL OPERATIONS SUPPORT SPECIALIST

RESOURCE CATEGORY	Radiological and Nuclear Response
RESOURCE KIND	Personnel
OVERALL FUNCTION	<p>The Radiological Operations Support Specialist (ROSS):</p> <ol style="list-style-type: none"> 1. Provides subject-matter expertise and guidance on questions about radiation, the environment, hazard modeling, data and risk management, public protective actions and other scientific and technical issues to incident response leaders at any level 2. Gathers, organizes, synthesizes, documents and distributes incident and resource information to improve situational awareness at all levels of incident management 3. Is able to clearly explain the implications of modeling, measurement and analysis methods, as well as the health risks and hazards that exist during a radiological or nuclear incident 4. May function as a ROSS Strike Team Leader when serving as a Type 1 or Type 2 ROSS as part of a ROSS Strike Team
COMPOSITION AND ORDERING SPECIFICATIONS	<ol style="list-style-type: none"> 1. This position can be ordered as a single resource 2. Requestor specifies any additional qualifications necessary based on incident complexity and needs 3. Discuss logistics for deploying this position, such as working conditions, length of deployment, security, lodging, transportation, and meals, prior to deployment

Each type of resource builds on the qualifications of the type below it. For example, Type 1 qualifications include the qualifications in Type 2, plus an increase in capability. Type 1 is the highest qualification level.

COMPONENT	TYPE 1	TYPE 2	TYPE 3	TYPE 4	NOTES
DESCRIPTION	<p>Same as Type 2, PLUS:</p> <ol style="list-style-type: none"> 1. Has the capacity to work at the Incident Command Post (ICP) and Emergency Operations Center (EOC) levels and to advise Authority Having Jurisdiction (AHJ) and elected officials 2. Helps the AHJ integrate Federal radiological response assets and capabilities from across the government into the response, as necessary 3. Coordinates radiological activities and technical data management with 	<p>Same as Type 3, PLUS:</p> <ol style="list-style-type: none"> 1. Creates exposure estimates for a variety of internal and external exposure scenarios 2. Understands key state and Federal radiological response assets, capabilities, and reporting structures, and integrates them into an effective response 3. Communicates complex radiological issues to large groups and senior managers, and supports public message development 	<p>Same as Type 4, PLUS:</p> <ol style="list-style-type: none"> 1. Works as a technical specialist and advises response personnel and AHJ on issues pertaining to radiological and nuclear (rad/nuc) response 2. Provides radiological incident assessment and resource information through: <ol style="list-style-type: none"> a. Interpreting and communicating model and measurement results and data products b. Proficient use of the CBRNResponder mobile app and website to collect and share data 3. Has knowledge of state radiation control programs and other radiological emergency preparedness assets, as 	<p>The National Incident Management System (NIMS) Type 3 ROSS: Has completed initial ROSS training and can work as a technical specialist under the supervision of a Type 3 or higher ROSS</p>	<p>When serving as part of a ROSS Strike Team, a NIMS Type 1 or Type 2 ROSS may also function as a team leader.</p>



History of the ROSS – Management & Facilitation

- The FEMA Office of Emerging Threats manages the ROSS Program.
- A ROSS Steering Committee is comprised of a representative from FEMA, DHS NUSTL, DOE NNSA and the CRCPD.
- The ROSS Steering Committee provides guidance from a national perspective.
- The FEMA OET ROSS Program may be contacted at FEMA-ROSS@FEMA.DHS.GOV.



History of the ROSS – Continuing Support

- The FEMA OET ROSS Program and the ROSS Steering Committee help ensure ROSS are built on a consistent national framework through the:
 - NQS FEMA 509 and PTB
 - CTOS initial training (PER-388)
 - ROSS Toolkit in CBRNResponder
 - ROSS Job Aids
 - ROSS-Ready curriculum for college and university health physics programs
 - Virtual Evaluation Scenario Tool (VEST) for ROSS continuing education
 - National level tabletop and full-scale exercises




FEMA





Agency



History of the ROSS – Continuing Support



Radiological Operations Support Specialist (ROSS) – Incident Command System Initial Response Job Aid





Radiological Operations Support Specialist (ROSS) – Planning Process Job Aid



Radiological Operations Support Specialist (ROSS) – Emergency Operations Center Job Aid

September 2018



Approved for Public Release RNR-7-0-4

All the ROSS Job Aids and the ROSS Toolkit of critical guidance information are in RadResponder



Home Resources Privacy & Legal Notice

ROSS

RADIOLOGICAL OPERATIONS SUPPORT SPECIALIST

ENTER



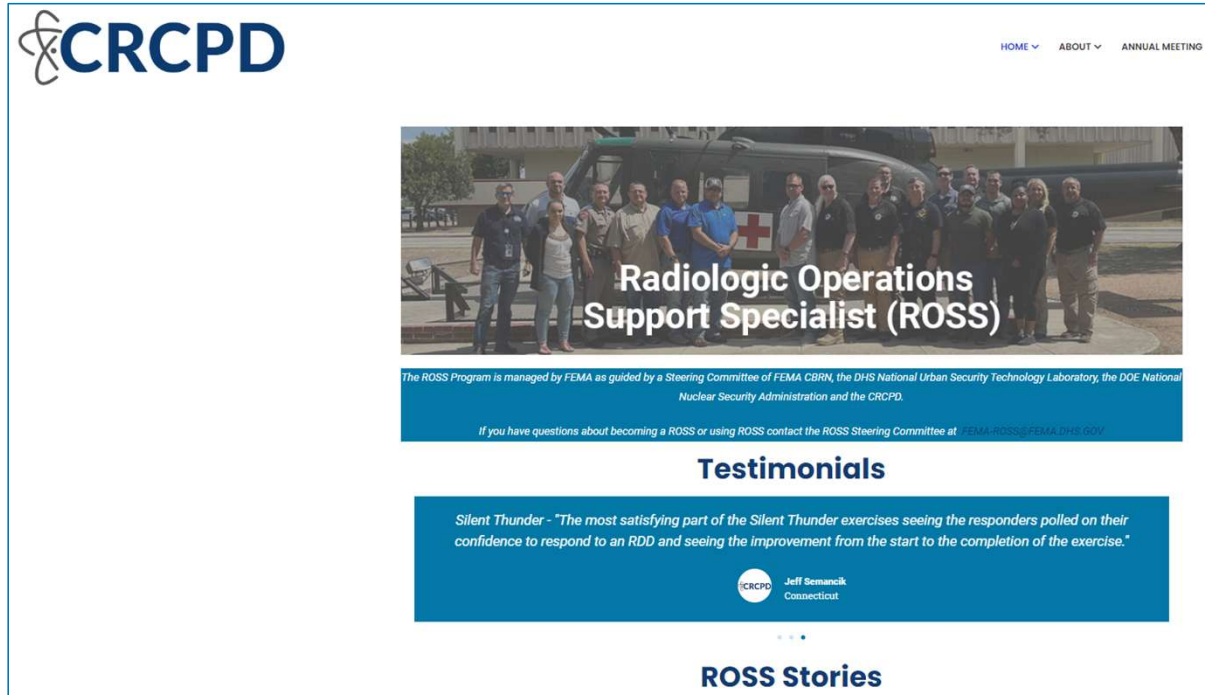
FEMA



Agency

History of the ROSS – Continuing Support

- CRCPD HS/ER-4 helps foster connections among ROSS and between ROSS and government agencies.
- CRCPD supports ROSS training and exercise opportunities, quarterly calls and competency maintenance problem sets.
- CRCPD supports relationships between ROSS and the ROSS Steering Committee, State RCPDs and the State ROSS Coordinators
- <https://crcpd.org/ross-portal/>



The screenshot shows the CRCPD website. At the top left is the CRCPD logo. In the top right corner, there are navigation links: HOME, ABOUT, and ANNUAL MEETING. The main content area features a large photograph of a group of people standing in front of a white ambulance with a red cross. Overlaid on the photo is the text "Radiologic Operations Support Specialist (ROSS)". Below the photo, a blue banner contains the text: "The ROSS Program is managed by FEMA as guided by a Steering Committee of FEMA CBRN, the DHS National Urban Security Technology Laboratory, the DOE National Nuclear Security Administration and the CRCPD." Below this banner is another line of text: "If you have questions about becoming a ROSS or using ROSS contact the ROSS Steering Committee at FEMA.ROSS@FEMA.DHS.GOV". The next section is titled "Testimonials" and features a quote from Jeff Semancik, Connecticut: "Silent Thunder - 'The most satisfying part of the Silent Thunder exercises seeing the responders polled on their confidence to respond to an RDD and seeing the improvement from the start to the completion of the exercise.'" Below the quote is the CRCPD logo and the name "Jeff Semancik, Connecticut". The final section is titled "ROSS Stories".



FEMA



FEMA



Agency

History of the ROSS – Continuing Support

Homeland Security Information Network ROSS Community of Interest is also provided by the CRCPD

The screenshot shows the website for Radiological Operations Support Specialists (ROSS) on the Homeland Security Information Network (HSIN). The page features a navigation menu with links to Home, ROSS Read-Only Library, ROSS Collaboration Library, Announcements, ROSS Directory, Resources, Suggest Content, Access Request Dashboard, and Site Contents. The main content area includes a header for "Radiological Operations Support Specialists" with a description: "During hazardous radiological preparedness or response operations, the Radiological Operations Support Specialist (ROSS) identifies and provides critical information to responders, key leaders, and decision-makers. The ROSS is a state and local subject matter expert (SME) with the ability to bridge the gap between response and radiological knowledge in order to minimize the impact of a potential or actual incident involving the release of radiological or nuclear materials." Below this is an "Announcements" section with two entries: "FOUO Reminder" dated 9/16/2021 3:17 PM and "ROSS Directory" dated 6/3/2020 5:48 PM. A "Highlighted Content" section lists documents such as "IC_WorldWideThreatAssessment-2021-Unclassified-Report" and "ROSS PTB Task Completion Documentation Guidance". A "ROSS In Action" section contains a photograph of a meeting. At the bottom, there are three search filters: "Search By Event Type" (listing categories like INI, Lost/Stolen Source, NPP Commercial, etc.), "Search By Focus Area" (listing categories like Administrative, Communications and Information Management, etc.), and "Search By Training Type" (listing categories like Continuing Education, Initial Training, etc.). The U.S. Department of Homeland Security logo is visible in the bottom left corner.

ROSS Qualification

- The initial step in ROSS Qualification is training in accordance with the Position Qualification and completing PER-388 and its prerequisites.
- The remaining steps use the PTB to complete tasks to advance from Type 4 to Type 3 to Type 2 and to Type 1.
- Task sign off by higher ranked ROSS and the authority having jurisdiction (AHJ).



MISSIONEDGE Dashboard Welcome Leek, Angela

Grant Endorsements

Ridgle, Tanya - Radiological Operations Support Specialist (ROSS) - Type I

Endorsable Tasks - C

Competency	Behavior	Tasks
Other Competencies	Demonstrate Core Position Skills	1

Task	Codes	# Endorsements Required	Status
Select Manage multiple ROSS Strike Teams engaged in different radiological incident management functions for the most geographically widespread and resource-intensive response and recovery operations	C, E, F, I, J, T	1	0 of 1

MissionEdge, a tool provided to the ROSS by Chainbridge Technologies through the CRCPD is the easy means to document the qualification.

See MissionEdge training for more!



ROSS Qualification

- Once all the tasks of a Type 3, 2 or 1 PTB are signed off by an evaluator, the PTB is signed off by the AHJ.
- Independent review is then conducted by the CRCPD HS/ER-4 Qualification Review Board (QRB).
- Credentialing as Type 3, Type 2 or Type 1 ROSS is completed by the AHJ as the Certifying Official.





FEMA

NATIONAL QUALIFICATION SYSTEM (NQS)

POSITION TASK BOOK
FOR THE POSITION OF

RADIOLOGICAL OPERATIONS SUPPORT SPECIALIST

Version: October 2019

Check the appropriate position type:

Type 1

Type 2

Type 3

POSITION TASK BOOK ASSIGNED TO:	
TRAINEE'S NAME:	
DUTY STATION:	
PHONE NUMBER:	
E-MAIL:	
POSITION TASK BOOK INITIATED BY:	
OFFICIAL'S NAME:	
TITLE:	
DUTY STATION:	
PHONE NUMBER:	
E-MAIL:	
POSITION TASK BOOK WAS INITIATED:	
LOCATION:	
DATE:	

Version: October 2019

- There are 63 tasks (41 for Type 3, 15 more for Type 2, and 7 more for Type 1).
- The toughest is Type 3, as we want all Type 3 to be technically sound.
- Type 2 can lead a ROSS Task Force, and a Type 1 can lead multiple ROSS Task Forces.
- Like most FEMA Type 1 positions, it takes a lot to reach the highest level.
- The AHJ, his/her designees, and higher Typed ROSS can sign off tasks.



FEMA



EVALUATION RECORD FORM

TRAINEE NAME:
TRAINEE POSITION:
Evaluation Record Number:
Evaluator's name:
Incident/office title and agency:
Evaluator's home unit address and phone:
Name and location of incident or simulation/exercise:
Incident kind:
Number and kind of resources:
Evaluation period:
Position type:
Recommendation: The above named trainee performed the initialed and dated tasks under my supervision. I recommend the following for this trainee's further development: <input type="checkbox"/> The trainee has successfully performed all required tasks for the position. The AHJ should consider the individual for certification. <input type="checkbox"/> The trainee could not complete certain tasks or needs additional guidance. See comments below. <input type="checkbox"/> Not all tasks were evaluated on this assignment. An additional assignment is needed to complete the evaluation. <input type="checkbox"/> The trainee is severely deficient in the performance of tasks and needs further training prior to additional assignment(s) as a trainee for this position.
Additional recommendations/comments:
Date:
Evaluator's initials:
Evaluator's relevant qualification:

- For all tasks completed during an evaluation period, an Evaluation Record Form (PTB page 6) must be completed.
- A completed Type 3 PTB may require several Evaluation Record Forms for the 41 tasks as each ERF is for a training event like a class, an exercise, on the job work activity, or an incident response.
- MissionEdge can also be used for these steps.



FEMA



EVALUATOR VERIFICATION

(Do not complete this form unless you are recommending the trainee for all-hazards certification.)

FINAL EVALUATOR VERIFICATION

I verify that _____
has successfully completed all tasks as a trainee and should therefore be considered for certification in this position. I also verify that all tasks are documented with appropriate initials.

FINAL EVALUATOR'S SIGNATURE:

DATE:

FINAL EVALUATOR'S PRINTED NAME:

TITLE:

DUTY STATION:

PHONE NUMBER:

E-MAIL:

DOCUMENTATION OF AGENCY CERTIFICATION

DOCUMENTATION OF AGENCY CERTIFICATION

I certify that _____
has successfully met all of the criteria set out in the National Incident Management System (NIMS) Job Title/Position Qualifications document for the position and will hereby receive certification of his/her qualification.

OFFICIAL'S SIGNATURE:

DATE:

OFFICIAL'S NAME:

TITLE:

DUTY STATION:

PHONE NUMBER:

E-MAIL:

- Once all tasks for a Type are completed, the AHJ completes the Final Evaluator Verification.
- The AHJ then sends the Final Evaluation Verification and Documentation of Agency Certification, along with a text or spreadsheet linking the PTB tasks to ERFs to the QRB. Both forms are on Page 2 of the PTB.
- The QRB will notify the AHJ of the finding of its independent review.
- MissionEdge can also be used for these steps.



FEMA



State ROSS Coordinators



The vital link between the National ROSS Program and the Authority Having Jurisdiction for the ROSS

The State ROSS Coordinator fills a key role in emergency preparedness

- ROSS are trained as radiological and nuclear emergency response and recovery subject matter experts with most being developed at the state and local level where the need for them is greatest.
 - We hope all State ROSS Coordinators eventually become ROSS themselves. We hope State Radiation Control Program Directors do, too.
- Some ROSS, especially those from government agencies, will easily integrate into state and local emergency plans and emergency management organizations.
 - These ROSS, however, are more likely to be engaged by their home agency and unavailable to help other jurisdictions.



Connecting Unaligned ROSS to Other State Radiological and Nuclear Emergency Responders

- ROSS from medicine, academia, laboratories, other industries and even retirement, are essential as “forces in reserve” both within the home jurisdiction and other jurisdictions.
 - It is critical that we help these “unaligned” ROSS integrate into their state and local response plan and organizations or another State’s organization.
- Once connected to your jurisdiction’s radiological/nuclear emergency plan and organization, these ROSS are available to serve when a major emergency arises or in exercises, as well as beforehand as a plan development and training resource.
 - Except when a State activates via EMAC or otherwise chooses to compensate these “volunteer” ROSS, this resource is free to the State. Most ROSS will enjoy volunteering to help!
 - COVID taught us we can never have enough technical experts who can readily work within the incident management system. ROSS are specifically trained to be effective SMEs within the ICS.



Three primary functions of the State ROSS Coordinators: **The first is maintaining a roster of ROSS in your jurisdiction**

- Share the up-to-date roster with the CRCPD on an annual basis.
 - The CRCPD will ask you to verify the name, email and phone number each year.
 - CRCPD will share the roster with the ROSS Program at the FEMA OET to connect all ROSS to the national efforts of competency maintenance and cadre management.
- Together, the FEMA OET and CRCPD will support:
 - Competency maintenance through ROSS Quarterly Calls where program updates and problem sets are provided, and through national level exercise opportunities.
 - Cadre management through MissionEdge and Emergency Management Assistance Compact (EMAC) tools, maintenance of the Position Task Book (PTB) and Position Qualification, and national certification of ROSS by Type.



Three primary Coordinators: The second is helping ROSS connect to evaluators who functions of the State ROSS can sign off tasks in their PTB

- There are two evaluators who can sign off tasks in the ROSS PTBs:
 - The Authority Having Jurisdiction (AHJ) for radiological and nuclear emergency decisions in each jurisdiction.
 - This is a statutory role usually held by the jurisdiction's Radiation Control Program Director.
 - Any higher Type ROSS can sign off tasks for lower Typed ROSS.
 - A Type 1 can sign off any other ROSS' PTB; a Type 2 can sign off for Type 3 ROSS; and a Type 3 can sign off for Type 4 ROSS working to become Type 3.
- The rostering function should also help connect ROSS to the AHJ and higher Typed ROSS.



Three primary functions of the State ROSS Coordinators: **The third is helping people who want to take the ROSS training register for it**

- Connect the interested person to the Counter Terrorism Operations Support Specialist (CTOS) registrar at ctosreg@nv.doe.gov.
- There are instructions for registering at the CTOS webpage ([Center for Radiological Nuclear Training Home Page](#))
- Get the interested person to complete the FEMA registration form.
- The prospective student fills the form out, signs, obtains his or her supervisor's approval and then gets the State Training Coordinator's approval.
 - The State Training Coordinator often works for the Homeland Security or Emergency Management agency in States. CTOS has a list of them.



Other functions that will benefit from State ROSS Coordinator assistance

- Advocating for ROSS:
 - Integration into jurisdictional emergency plans and response and recovery organizations;
 - Planning for scenarios too often neglected, but where the ROSS has been specifically trained – nuclear detonations, radiological dispersal devices and nuclear power plants.
 - Inclusion in exercises in the jurisdiction; and
 - Training the emergency response workforce.
- Share radiological and nuclear emergency response and recovery information with the ROSS.
 - For example, jurisdictional plans and procedures and information about upcoming training or exercises within the jurisdiction that ROSS may attend.
- Be a point of contact for ROSS deployed for real incidents in the State whether the ROSS are “home grown” or mutual aid.
- The FEMA OET (fema-ross@fema.dhs.gov) and CRCPD HS/ER-4 (william.Irwin@vermont.gov) are available to help.



No.	State	Certifying Official	Email	State ROSS Coord.	Email
1	Alabama	Cason Coan	cason.coan@adph.state.al.us	Jerome Coleman	jerome.coleman@adph.state.al.us
2	Arizona	Brian Goretzki	brian.goretzki@azdhs.gov	Sonia Carpena	Sonia.Carpena@azdema.gov
3	Arkansas	Bernard Bevill	bernard.bevill@arkansas.gov	Bernard Bevill	bernard.bevill@arkansas.gov
4	California	Anthony Chu, Acting	Anthony.Chu@cdph.ca.gov	Juan Garcia	juan.garcia@cdph.ca.gov
5	Connecticut	Jeff Semancik	Jeffrey.Semancik@ct.gov	Jeff Semancik	Jeffrey.Semancik@ct.gov
6	Florida	Clark Eldredge	clark.eldredge@flhealth.gov	John Williamson	john.williamson@flhealth.gov
7	Georgia	David Matos	david.matos@dnr.ga.gov	Shelly Stancil	shelly.stancil2@dnr.ga.gov
8	Indiana	Courtney Eckstein	ceckstein@dhs.IN.gov	Courtney Eckstein	ceckstein@dhs.IN.gov
9	Illinois	Adnan Khayyat	adnan.khayyat@illinois.gov	David Culp	dave.culp@illinois.gov
10	Iowa	Patty Riesberg	patty.riesberg@hhs.iowa.gov	Scott Wendt	khegu@iastate.edu
11	Kansas	Jason Meinholdt	jason.meinholdt@ks.gov	Jason Meinholdt	jason.meinholdt@ks.gov
12	Kentucky	Matt McKinley	matthew.mckinley@ky.gov	Matt McKinley	matthew.mckinley@ky.gov
13	Louisiana	Jerry Lang	jerry.lang@la.gov	Jessica Walker	jessica.walker@la.gov
14	Maine	Nathan Saunders	nathan.saunders@maine.gov	Jay Hyland	jay.hyland@maine.gov
15	Maryland	Eva Nair	eva.nair@maryland.gov	Marci Catlett	marci.catlett@maryland.gov
16	Massachusetts	Jack Priest	jack.priest@mass.gov	Rusty Sorensen	william.lorenzen@childrens.harvard.edu
17	Michigan	T.R. Wentworth	wentworth@michigan.gov		
18	Minnesota	Mary Navara	mary.navara@state.mn.us	Amy Hass	amy.hass@state.mn.us
19	Missouri	John Langston	john.langston@health.mo.gov	jeremy Wilson	jeremy.wilson@health.mo.gov
20	Montana	Ross Barnes	ross.barnes@mt.gov	Brett Lloyd	brett.lloyd@mt.gov
21	Nebraska	Becki Harisis	becki.harisis@nebraska.gov	Ahaileas (Larry) Harisis	aharisis@unl.edu
22	Nevada	John Follette	jfollette@health.nv.gov	John Follette	jfollette@health.nv.gov
23	New Hampshire	Augustinus Ong	augustinus.ong@dhhs.nh.gov	Brennen Brunner	Brennen.brunner@dhhs.nh.gov
24	New Jersey	Patrick Mulligan	patrick.mulligan@dep.nj.gov	Nancy Stanley	nancy.stanley@dep.nj.gov
25	New York	Alex Damiani	alex.damiani@health.ny.gov	Cynthia Costello	cynthia.costello@health.ny.gov
26	North Carolina	Louis Brayboy	louis.brayboy@dhhs.nc.gov	Bennifer Pate	bennifer.pate@dhhs.nc.gov
27	Ohio	Gene Philips	gene.philips@odh.ohio.gov	William Lohner	william.lohner@odh.ohio.gov
28	Oregon	David Howe	david.m.howe@oha.oregon.gov	Hillary Haskins	hillary.k.haskins@oha.oregon.gov
29	Pennsylvania	Dwight Shearer	dwshearer@pa.gov	David Baracco	dbaracco@pa.gov
30	Rhode Island				
31	South Carolina	Susan Jenkins	jenkinse@dhec.sc.gov	Nathan Gauthier	gauthin@dhec.sc.gov
32	Tennessee	Beth Shelton	beth.shelton@tn.gov	Andrew Holcomb	andrew.holcomb@tn.gov
33	Texas	Lisa Bruedigan	lisa.bruedigan@dshs.texas.gov	Clint Taylor	clint.taylor@dshs.texas.gov
34	Vermont	William Irwin	william.irwin@vermont.gov	William Irwin	william.irwin@vermont.gov
35	Virginia	Lea Anna Perlas	lea.perlas@vdh.virginia.gov	Brian Iverson	brian.iverson@vdem.virginia.gov
36	West Virginia	Tera Patton	tera.E.Patton@wv.gov	Jason Lively	jason.k.lively@wv.gov
37	Wisconsin	Mark Paulson	mark.paulson@dhs.wisconsin.gov	Charles Adams	charles.adams@dhs.wisconsin.gov

- State ROSS Coordinators
- 37 States participating in ROSS development to date
- There are some vacant positions due to turnover.



FEMA



Agency

Summary of ROSS Cadre Orientation

- The ROSS journey starts with State ROSS Coordinators helping interested people getting into CTOS' PER-388 to include completion of its prerequisite courses (the requirements for Type 4).
- Position Task Books are assigned to new ROSS by the FEMA OET Office.
- ROSS interested in advancing by Type work with their AHJ and higher typed ROSS to complete tasks toward Type 3, 2 and 1 certification by work:
 - For the ROSS Quarterly Calls
 - In exercises
 - In Virtual Evaluation Scenario Tool (VEST) sessions
 - On the job
 - As radiological and nuclear emergency planners and trainers
- If an emergency arises, we work within our own jurisdictions and, if available, through EMAC mutual aid to other jurisdictions.



FEMA



ROSS Open Dialog

All ROSS as Facilitated by Bill Irwin



FEMA



Questions? william.Irwin@vermont.gov

Questions for you, and to stimulate discussion

1. What subjects would you like in ROSS continuing training, where we do a deep dive into a specific radiological or nuclear emergency response and recovery subject especially those related to PTB tasks?
2. How many of you would like to develop a deep dive training course for our cadre?
3. Is there more that we could do to make the Competency Maintenance Problem Sets better for you?
4. If we put all the past Competency Maintenance Problem Sets on the CRCPD ROSS Portal, how many of you would seek the time to complete them so you can get tasks signed off.



FEMA



December 2024 ROSS Competency Maintenance Problem Set



FEMA





Radiological Operations Support Specialist Continuing Education Competency Maintenance Program

ROSS Quarterly Problem Set	September 2024
Answers Due By:	No end date
Submit Answers and Supporting Attachments to:	Your State ROSS Task Force Leader or Adela Salame-Alfie – salamealfie8@gmail.com
Questions about problem:	Adela Salame-Alfie – salamealfie8@gmail.com
Task Sign Off Potential <i>Successful completion of this quarterly problem allows you to request signoff</i>	ROSS Position Task Book (PTB) Task Number 1, 9, 19,21, 37, 48C, 50, 51
Expected Answer Format	Ten short answers to ten questions.

We have also worked out a means to complete this Competency Maintenance Problem Set using MissionEdge, too.



FEMA



Problem Set Instructions

Scenario

You are a Radiological Operations Support Specialist (ROSS) Type 3 supporting the State EOC responding to a nuclear detonation that occurred 6 hours ago. The radiological assessment teams for the state are responding to make initial protective action recommendations/decisions and are assessing initial field surveys reported from first responders around the impacted area. The state has requested the support of the Radiological Assistance Program (RAP) team, and those assets will be arriving on scene soon to provide field support.

The first responders are asking what levels to use to set up the hot zone and they are concerned that setting it up at twice background will unnecessarily define a very large area that would be very hard to manage.

Question 1

Using the tools available in the ROSS toolkit ([ROSS Toolkit](#) | [RadResponder](#)) how would you define a manageable hot zone area based on radiation measurements?

Question 2

What considerations beyond radiation measurements would you use to make your recommendations?

Additional Scenario detail

The state radiation control program is being asked questions regarding beta/gamma contamination screening levels for people that are being sent to Community Reception Centers to get screened.

Question 3

Provide recommendations based on three different scenarios:

- Severely resource constrained conditions (estimated screening wait times in excess of several hours)
- Resource constrained conditions (screening wait times longer than one hour)
- Nominal (able to screen everyone within a reasonable time frame)

Scenario detail

The state radiation control program is being asked questions regarding dose estimation and treatment for survivors arriving at hospitals from near the blast who may have received large doses of radiation.

Question 4

How would you identify areas with the highest radiation levels?

Question 5

Would you request IMAAC products?

Question 6

If so, which IMAAC products would be most useful in the first 12 hours?

This Competency Maintenance Problem Set has the most tasks that can be signed off with its completion.



FEMA



Additional Scenario Detail

In addition to the large numbers of survivors, the state is dealing with a significant number of casualties.

Question 7

What resource would best advise medical professionals on the triage and treatment of survivors with significant radiation doses?

Question 8

How soon could they be available to the state? Are there any algorithms that emergency departments can use for quick triage?

Question 9

What resource would be available to advise on fatality management? Does their expertise typically include radiological-specific knowledge?

Question 10

What resource could provide disposal or alternate processing options for milk that is potentially contaminated?

Stephan Brown is publishing all the Competency Maintenance Problem Sets on the ROSS portal at www.CRCPD.org.



FEMA



Closing Remarks

Jon Gill, PhD, FEMA Office of Emerging Threats

Jeramie Calandro, FEMA Office of Emerging Threats



FEMA

ROSS Program Questions:

Contact FEMA-ROSS@FEMA.DHS.GOV

Jonathan Gill

Jonathan.gill@fema.dhs.gov

ROSS Program Manager

Chief, Risk Management Branch

Office of Emerging Threats

