

# ROSS Quarterly Call

28 June 2022



# FEMA

# Agenda

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- Introductions
- ROSS Program Updates
- Another PTB Evaluation and Certification Model
- Competency Maintenance Problem for June 2022
- Closing Remarks



# Introductions

Luis Garcia





# Updates

Bill Irwin



# Updates – Continuing Education

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- RDD Response, CBRNResponder simulated data file and indoor monitoring capabilities, and RadTeamSim.Route field team simulator training and exercises at three venues this year:
  - National Radiological Emergency Preparedness Conference in Nashville on April 11,
  - CRCPD Annual Meeting in Tucson on May 15, and
  - American Academy of Health Physics Continuing Education in Spokane on July 16.
- Virtual Evaluation Scenario Tool (VEST) for nuclear detonation being prepped for regular implementation by CTOS with a pilot in late August or early September.
- VEST 2 on RDD being prepped for possible pilot later in 2022.



# Updates – Growth of the ROSS Cadre

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- New ROSS courses
  - Fourteen new ROSS trained in San Antonio the week of June 6.
  - Texas now has 38 trained ROSS who will serve within the Texas ROSS Task Force led by Chris Moore.
  - Additional courses set for Albany, New York August 8–11, Orange, New Jersey August 22–25, and Indianapolis, Indiana September 13–16.
- Contact the CTOS Mobile Training Registrar at [ctosmttreg@nv.doe.gov](mailto:ctosmttreg@nv.doe.gov) to get someone in.



## Updates – Growth of the ROSS Cadre

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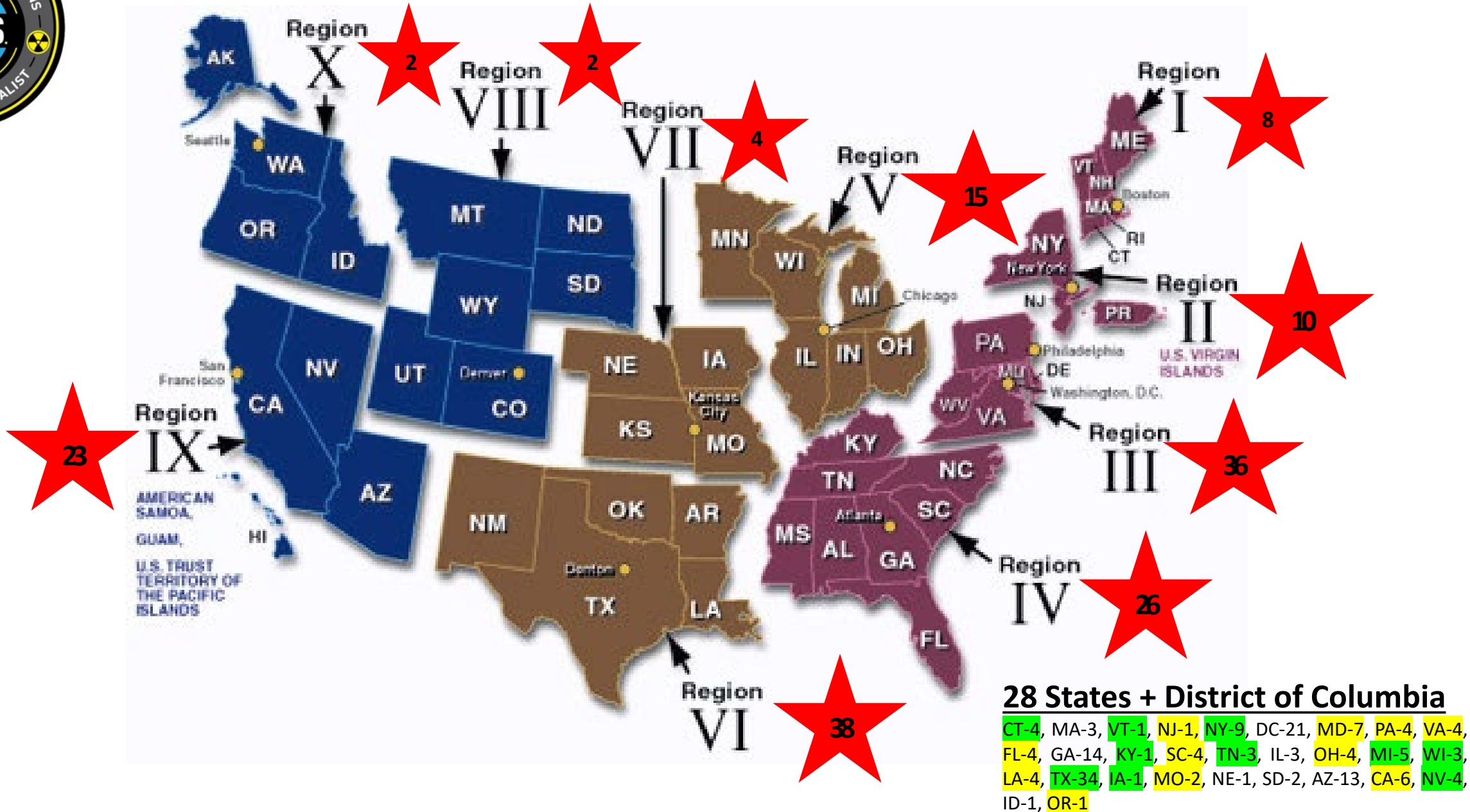
- ROSS-trained people now number 164. The roster was 104 a year ago.
- With at least three new courses scheduled through September, ROSS-trained people will number over 200.
- Like any new certification, we are learning as we grow and trying to improve as we develop cadre management procedures.
  - We appreciate your ideas on how to improve.
  - This is our cadre.
  - We could use a lot of help.



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# 164 Trained ROSS Mapped by FEMA Regions







# 164 Trained ROSS Listed by FEMA Regions

## **Region I - 8**

Jeffrey Semancik – CT  
Michael E. Firsick-CT  
Darin Strickland - CT  
Douglas Campbell - CT  
Jennifer O’Riorden – MA  
Mark Walsh – MA  
Steven Marsh – MA  
William Irwin-VT

## **Region II - 10**

Keith Miano-NJ  
James Griffin - NY  
Jeffrey Quinn- NY  
William Lenczuk – NY  
Kevin Robinson – NY  
Mike Cantwell – NY  
John Criscuoli – NY  
Anthony Perrone – NY  
Timothy Rice – NY  
Jason Wendell - NY

## **Region III -36**

Ken Yale - DC  
Adel M Baryoun- DC  
Anne Fenley- DC  
Holly Arrigoni- DC  
Jack Spencer- DC  
Jeffrey Chapman- DC  
Jennifer Beveridge-DC  
Kaatrin Abbott-DC  
Katharine McLellan-DC  
Kaylie Hammersborg-DC  
Kenneth Harrison Sr-DC  
Laurent Ricks-DC  
Matthew Martenas-DC  
Larry Brookerd – DC  
Brad Dekorte – DC  
Scott Hallett – DC  
Timothy Pflieger – DC  
Gregory Voss – DC  
Kenneth Wierman – DC  
Michael Howe-DC  
Steve Chase-DC  
Paula M. Hughes-MD  
Carl Holland-MD  
Lou Brandon – MD  
Houston Carlson- MD

Jun 22 Class-14

Feb 22 Class-27

Nov 21 Class-18

Updated 6/22

Steven Hand-MD  
Tom O’Brien-MD  
Darius Allman – PA  
Benjamin Hershowitz – PA  
Michael Erdman - PA  
Stephan Brown - PA  
Brian E. Iverson- VA  
Jason Dunavant- VA  
David Paschal- VA  
Melany McGillvray-VA  
Matthew Gould-MD

## **Region IV - 26**

Mike Geier – FL  
John Craft – FL  
Kimberly Gambone – FL  
Adela Salame-Alfie – GA  
Andrea Pepper – GA  
Christina Tabor – GA  
Darrell Neal – GA  
Gary Spichiger – GA  
Harl’O Fisher – GA  
James Hardeman – GA  
John Dixon – GA  
Lauren Finklea – GA  
L. Samuel Keith-GA  
Nazia Zakir – GA  
Paul Charp – GA  
Robert Burns – GA  
Steve Grimm – GA  
Matthew McKinley – KY  
James Coffin – SC  
John Kuppinger – SC  
Michael Spradlin – SC  
Derrick Stanley - SC  
Andrew Holcomb – TN  
Norman Miller – TN  
Patrick McCloskey – TN  
Marcia Tutt - FL

## **Region V - 15**

John N Edwards-IL  
Kay Foster-IL  
Todd Trygier – IL  
Chris Salz – OH  
David Stuenkel –OH  
Matthew McFee – OH  
Peter Hill-OH

Kimberlee Kearfott - MI  
Nadir Chaudry – MI  
Greg Gothard – MI  
David Skutt – MI  
T.J. Wentworth – MI  
Paul Schmidt – WI  
David LeClear – WI  
Nicole Traphan - WI

## **Region VI - 38**

Russell Clark-LA  
Jamie Dismukes-LA  
James Pate-LA  
Jessica Walker-LA  
Ken Gavlik – TX  
Adrien LeBlanc- TX  
Mathew Miller-TX  
Bart Thom-TX  
Billy Chambers-TX  
Bobby R. Baker – TX  
Charles Cavnor-TX  
Danette Fennesy-TX  
Earlon Shirley- TX  
Heather Bill- TX  
John C. White-TX  
Laura Warren-TX  
Marina Pulley TX  
Robert Graves-TX  
Roland Benke – TX  
David McCarty-TX  
Steve Cima – TX  
Robert Fisher – TX  
Stephanie Lopez – TX  
Nicole Roman – TX  
Nicholas Studer – TX  
Trae Windham – TX  
Bradley Trefz – TX  
Rafael Alvarez – TX  
Jason Callahan – TX  
Timothy Davis – TX  
Bradley Gibson – TX  
Dustin Henderson – TX  
Casey Jones – TX  
Chris Moore – TX  
John Nickles – TX  
Tristan Jeremy – TX  
Will Flanagan - TX  
Meagan Robinson - TX

## **Region VII - 4**

Angela Leek – IA  
Mark Kaintz-MO  
Jeremy Wilson – MO  
Jim Rogers - NE

## **Region VIII -2**

Dustin Willitt- SD  
Susan T. Masih –SD

## **Region IX - 23**

Andrea Prado-AZ  
Andrew Castro-AZ  
Craig Artrip- AZ  
David Burtch-AZ  
Jennifer Hobbs- AZ  
Mark Spina-AZ  
Nathan Elizalde-AZ  
Toby Morales – AZ  
Richard Turner-AZ  
Sonia Carpena-AZ  
Travis Rand-AZ  
Valerie L. Meyers-AZ  
William Smith-AZ  
Greg Funderburk - CA  
Gail Carter- CA  
Matthew Portteus-CA  
Tanya Ridgle – CA  
Brandon Holmes – CA  
Juan Garcia – CA  
Dave Pasquale - NV  
Corey Creveling – NV  
John Follette – NV  
Sam Oberlies - NV

## **Region X -2**

Gregory Hall – ID  
Toni Bamford – OR

## Updates – Growth in the Value of ROSS

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- Interest in the ROSS is increasing with world events that heighten the need for well-trained radiological and nuclear emergency response and recovery subject matter experts.
- The ROSS is seen as a means to recruit additional radiation protection professionals for emergency responder roles.
- The ROSS is described as a valuable resource in five sections of Revision 3 of the *Planning Guidance for Response to a Nuclear Detonation*.
- There are more agencies and jurisdictions looking for ROSS support in exercises.



## Updates – More ROSS in More Exercises

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- The FEMA Technological Hazards Branch, the Federal Radiological Preparedness Coordinating Committee, the Health Physics Society and American Academy of Health Physics are among those expressing great interest.
- The DOE Office of Radiological Security is funding travel for ROSS supporting their Silent Thunder and Isotope Crossroads tabletop exercises across the U.S.
- Multiple ROSS participated in Cobalt Magnet 22 in Austin, Texas in May. Several played and several served as evaluators.
  - We will have a panel on CM 22 at the next quarterly call.
- We have offered assistance to Fulton County Georgia for the Vista Forge full-scale exercise scheduled for late 2022.



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## Updates – Transitioning from a Solely National Perspective, Where:

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- FEMA, DHS, DOE and the CRCPD steer the ROSS from a national perspective.
- The ROSS position is described in and managed within the National Qualification System and is meant to meet the goals of the National Incident Management System.
- The FEMA CBRN Office is the ROSS Program Manager and incorporates ROSS tools and documents into CBRNResponder.
- FEMA, DOE NNSA and DHS NUSTL engage the National Labs and others to develop specialized ROSS tools like the ROSS-Ready Curriculum, the VEST and ROSS Job Aids.
- CRCPD provides a 12-person working group in its Homeland Security/Emergency Response Committee 4 (HS/ER-4 ) to operationalize and mentor ROSS.
- CRCPD, along with other elements of the response community, recruits ROSS candidates.



## Updates – Transitioning to a Mixed Management Scheme Where:

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- FEMA, DOE, DHS NUSTL and CRCPD continue to steer the ROSS nationally to meet National Qualification System criteria.
  - National ROSS Task Forces will continue to serve ROSS in the 20+ states without participating Radiation Control Program Directors and State ROSS Coordinators.
- Eventually nearly 30 State Radiation Control Program Directors and their State ROSS coordinators will manage ROSS Task Forces within their State to:
  - Meet State-specific needs and the specific goals for advancement by their in-State ROSS, and
  - HS/ER-4 is working on establishing additional State ROSS Task Forces, some helping ROSS in other States within their FEMA Region.



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## Updates – More ROSS, More State ROSS Task Forces: We Need More Help

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- In CRCPD, HS/ER-4, we need to support:
  - State ROSS Coordinator and ROSS Task Force Leaders;
  - Exercise, training and incident response coordination;
  - Information and documents management;
  - Quality Review Board for ROSS moving up in type;
  - Competency Management; and
  - Initial and Continuing Education Support.



# Updates – What About the State ROSS Coordinators?

- Could State ROSS Coordinators become ROSS Task Force Leaders?
  - They must be ROSS-trained.
  - Ten of 28 currently are, eight are waiting for a ROSS class, and the balance must be queried.
- What do you think as ROSS, State ROSS Coordinators and State Radiation Control Program Directors?

No.	State	Radiation Control Program Director	State ROSS Coordinator	State ROSS Coordinator Email
1	Alabama	David Turberville	Kevin Hicks	<a href="mailto:kevin.hicks@adph.state.al.us">kevin.hicks@adph.state.al.us</a>
2	Arkansas	Bernard Beville	Bernard Beville	<a href="mailto:bernard.bevill@arkansas.gov">bernard.bevill@arkansas.gov</a>
3	California	Gonzalo Perez	Rajiv Mishra and Juan Garcia	<a href="mailto:rajiv.mishra@cdph.ca.gov">rajiv.mishra@cdph.ca.gov</a> and <a href="mailto:juan.garcia@cdph.ca.gov">juan.garcia@cdph.ca.gov</a>
4	Connecticut	Jeff Semancik	Jeff Semancik	<a href="mailto:Jeffrey.Semancik@ct.gov">Jeffrey.Semancik@ct.gov</a>
5	Florida	Cindy Becker	John Williamson	<a href="mailto:john.williamson@flhealth.gov">john.williamson@flhealth.gov</a>
6	Iowa	Angela Leek	Angela Leek	<a href="mailto:angela.leek@idph.iowa.gov">angela.leek@idph.iowa.gov</a>
7	Kansas	Kim Steves	Jason Meinholdt	<a href="mailto:jason.meinholdt@ks.gov">jason.meinholdt@ks.gov</a>
8	Kentucky	Matt McKinley	Matt McKinley	<a href="mailto:mattheww.mckinley@ky.gov">mattheww.mckinley@ky.gov</a>
9	Louisiana	Vacant	Vacant	<a href="mailto:jeff.dauzat@la.gov">jeff.dauzat@la.gov</a>
10	Maryland	Eva Nair	Marci Catlett	<a href="mailto:marci.catlett@maryland.gov">marci.catlett@maryland.gov</a>
11	Michigan	T.R. Wentworth	David Skutt	<a href="mailto:skuttd@michigan.gov">skuttd@michigan.gov</a>
12	Minnesota	Mary Navara	Sherrie Flaherty	<a href="mailto:sherrie.flaherty@state.mn.us">sherrie.flaherty@state.mn.us</a>
13	Missouri	John Langston	Keith Henke	<a href="mailto:keith.hanke@health.mo.gov">keith.hanke@health.mo.gov</a>
14	Nevada	John Follette	John Follette	<a href="mailto:jfollette@health.nv.gov">jfollette@health.nv.gov</a>
15	New Hampshire	Augustinus Ong	Brennen Brunner	<a href="mailto:Brennen.brunner@dhhs.nh.gov">Brennen.brunner@dhhs.nh.gov</a>
16	New Jersey	Paul Orlando	Patrick Mulligan	<a href="mailto:patrick.mulligan@dep.nj.gov">patrick.mulligan@dep.nj.gov</a>
17	New York	Alex Damiani	Cynthia Costello	<a href="mailto:cynthia.costello@health.ny.gov">cynthia.costello@health.ny.gov</a>
18	North Carolina	David Crowley	Terri Richards	<a href="mailto:terri.richards@ncdps.gov">terri.richards@ncdps.gov</a>
19	Ohio	Gene Philips	William Lohner	<a href="mailto:william.lohner@odh.ohio.gov">william.lohner@odh.ohio.gov</a>
20	Oregon	David Howe	Hillary Haskins	<a href="mailto:hillary.k.haskins@dhsosha.state.or.us">hillary.k.haskins@dhsosha.state.or.us</a>
21	Pennsylvania	David Allard	David Allard	<a href="mailto:djallard@pa.gov">djallard@pa.gov</a>
22	South Carolina	Susan Jenkins	Crispulo Isminger	<a href="mailto:ismincl@dhec.sc.gov">ismincl@dhec.sc.gov</a>
23	Tennessee	Debra Shults	Andrew Holcomb	<a href="mailto:andrew.holcomb@tn.gov">andrew.holcomb@tn.gov</a>
24	Texas	Lisa Bruedigan	Chris Moore	<a href="mailto:chris.moore@dshs.texas.gov">chris.moore@dshs.texas.gov</a>
25	Vermont	William Irwin	William Irwin	<a href="mailto:william.irwin@vermont.gov">william.irwin@vermont.gov</a>
26	Virginia	Steve Harrison	Maxine McCarthy	<a href="mailto:maxine.mccarthy@vdh.virginia.gov">maxine.mccarthy@vdh.virginia.gov</a>
27	West Virginia	Tera Patton	Jason Lively	<a href="mailto:jason.k.lively@wv.gov">jason.k.lively@wv.gov</a>
28	Wisconsin	Paul Schmidt	Charles Adams	<a href="mailto:charles.adams@dhs.wisconsin.gov">charles.adams@dhs.wisconsin.gov</a>



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## Updates – The CRCPD Can Provide Help

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- The CRCPD Board recently approved HS/ER-4 to engage new people to help do the additional work.
- We need these new people to be ROSS.
- To be on HS/ER-4, you must be a member of CRPCD.
- Membership is \$55.00 for people in Radiation Control Programs and \$85.00/year for others.
- An application is available at <https://www.crcpd.org/page/MemberApp>.
- CRCPD membership offers much more in addition to helping the ROSS Program.
- You do not need to join CRCPD as a ROSS (if you are wondering).





# Position Task Book Evaluation and Certification Documentation

Bill Irwin

# We Have Always Sought to Make Evaluation and Certification Easier

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- We work to fill every tabletop and full-scale exercise seeking ROSS.
- DHS NUSTL provides funding and management to develop VESTs.
- ROSS Task Forces provide one-on-one assistance to mentor ROSS working on PTB task evaluation and type certification.
- We have described various ways to use the Evaluation Record, Final Evaluator Verification and Documentation of Agency Certification in the PTB to record your education, experience and training toward higher types.
- We remind you to get tasks signed off after an exercise or other activity.
- HS/ER-4 recently served as the Quality Review Board for a newly trained ROSS, Chris Moore of Texas, and recommended to his Authority Having Jurisdiction that he be made a Type 2 ROSS.





## Here is How That Process Went

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1. Chris created a list of activities that contributed to his career-long development as a radiological and nuclear emergency response and recovery expert.
2. He filled out twelve Evaluation Record Forms from the PTB for twelve different incidents occurring over twelve different evaluation periods.
3. Using the Evaluation Record Numbers 01 through 12 in his Type 3 and Type 2 PTB, Chris identified the tasks associated with each Evaluation Record Form.
4. The AHJ signed the Final Evaluator Verification and sent the package to the QRB which met and concurred with the AHJ's Final Evaluation Verification.



# The list of activities

## Evaluation Record 03

DSHS Position: State Emergency Planner for Radiological Terrorism

Date: July 2012 to present

- Wrote first State plan for Radiological Terrorism Response.
- Wrote scenario, planned and lead 3 tabletop exercises on radiological terrorism in Harris County, Waco County, and Hidalgo County.
- Lead planner for a full scale RDD exercise in Waco, Tx (2009) with over 600 participants.
- Represented DSHS at 10 tabletops across the state of Texas which included Federal, State, and Local players.
- Wrote RDD scenario for International Atomic Energy Agency (IAEA) which is used in the School of Radiation Emergency Management (SREM).
- IAEA Expert Instructor for the IAEA SREM course in Texas and in China.
- Planned and participated in 4 Reception Center Exercises for a radiological terrorism incident in El Paso, Houston, Waco and Hidalgo County, Texas.
- Provided inputs into the development of the IND plan for Houston, TX.
- Featured in CDC video on success stories for work with locals in developing reception center plans and conducting exercises.
- Completed over 200 radiological incidents and complaint investigations.
- Conducted monitoring of public and conducted closeout of facilities following radiological incidents.
- Developed Hotspot and NARAC models for RDD tabletops and exercises.
- Primary State Operations Center Liaison for all NPP plant exercises and real radiological incidents.
- Completed 8 hours training on Radiological Dispersal Device (RDD) Response Guidance Planning for the First 100 Minutes.
- Completed Advanced RESRAD course
- Represented CRCPD on working group who developed and wrote "A Guide to Operating Public Shelters in a Radiation Emergency."
- Currently member of CRCPD working group which is developing train the trainer course for Reception Center Operations.
- Pantex Onsite State Liaison for Emergencies and Exercise.



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Federal Emergency Management Agency

# Two of the Twelve Evaluation Record Forms

EVALUATION RECORD FORM

TRAINEE NAME:	William Chas Mowr
TRAINEE POSITION:	Deputy IC / ASSISTANT chief of field operations
Evaluation Record Number:	10
Evaluator's name:	LISA Bredigan
Incident/office title and agency:	TEXAS DSHS, Radiation Program Director
Evaluator's home unit address and phone:	TEXAS DSHS, MC1986, PO BOX 149347, AUSTIN, TX 78714 (512) 924-6862
Name and location of incident or simulation/exercise:	BAY CITY, TX STP EVALUATED EXERCISE
Incident kind:	STP NPP Release EVALUATED EXERCISE 5/9/12
Number and kind of resources:	Team of 40, radials, air samples
Evaluation period:	5/9/12
Position type:	2 - Deputy IC
Recommendation:	<p>The above named trainee performed the initialed and dated tasks under my supervision. I recommend the following for this trainee's further development:</p> <p><input checked="" type="checkbox"/> The trainee has successfully performed all required tasks for the position. The AHJ should consider the individual for certification.</p> <p><input type="checkbox"/> The trainee could not complete certain tasks or needs additional guidance. See comments below.</p> <p><input type="checkbox"/> Not all tasks were evaluated on this assignment. An additional assignment is needed to complete the evaluation.</p> <p><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.</p>
Additional recommendations/comments:	Deputy IC for Dress Rehearsal AND EVALUATED EXERCISE OF ST.P nuclear Power Plant
Date:	10/21/21
Evaluator's initials:	LB
Evaluator's relevant qualification:	TEXAS ADPR, Rad Program Director

EVALUATION RECORD FORM

TRAINEE NAME:	William Chas Mowr
TRAINEE POSITION:	Incident Commander
Evaluation Record Number:	05
Evaluator's name:	LISA Bredigan
Incident/office title and agency:	Radiation Program Director
Evaluator's home unit address and phone:	TEXAS DSHS, MC1986, PO BOX 149347, AUSTIN, TX 78714 (512) 924-6862
Name and location of incident or simulation/exercise:	Pantex Radiation Release
Incident kind:	Fed/State/Local Response over 2 days including ingestion pathway
Number and kind of resources:	Team of 35, full RCD emergency response equipment
Evaluation period:	July 24-26, 2021
Position type:	2 / INCIDENT COMMANDER / chief of field operations DSHS
Recommendation:	<p>The above named trainee performed the initialed and dated tasks under my supervision. I recommend the following for this trainee's further development:</p> <p><input checked="" type="checkbox"/> The trainee has successfully performed all required tasks for the position. The AHJ should consider the individual for certification.</p> <p><input type="checkbox"/> The trainee could not complete certain tasks or needs additional guidance. See comments below.</p> <p><input type="checkbox"/> Not all tasks were evaluated on this assignment. An additional assignment is needed to complete the evaluation.</p> <p><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.</p>
Additional recommendations/comments:	stepped in as Incident Commander when primary person had a family emergency
Date:	10/21/21
Evaluator's initials:	LB
Evaluator's relevant qualification:	TEXAS ADPR, Rad Program Director

# PTB Task Cross-walk with the Twelve Evaluation Records

Position Task Book: ROSS

TASK	CODE	EVALUATION RECORD #	EVALUATOR INITIALS AND DATE
54. Describe how monitoring requirements for chronic environmental exposures are similar in their characteristics and methodologies for NPP release, RDD and NucDet incidents: <ul style="list-style-type: none"> <li>Identify the most significant environmental consequences of an NPP release</li> <li>Identify the most significant environmental consequences of an RDD incident</li> <li>Identify the most significant environmental consequences of a NucDet</li> <li>(TYPES 1 AND 2 ONLY) Describe environmental assessments for human health protection common to NPP release, RDD and NucDet incidents</li> </ul>	C, E, F, I, J, T	01	JB 10/21/21
55. Describe the appropriate radiological instrumentation and environmental measurement data collection techniques for an RDD incident: <ul style="list-style-type: none"> <li>Identify the media samples appropriate for assessing dose pathways for an RDD incident</li> <li>Identify the analytical instrumentation for environmental samples obtained following an RDD incident</li> <li>Identify quality assurance controls for sampling and laboratory analysis of RDD samples</li> <li>Identify modifications of routine environmental sampling and analysis procedures that may be necessary following an RDD incident</li> </ul>	C, E, F, I, J, T	03	JB 10/21/21
56. Describe the appropriate radiological instrumentation and environmental measurement data collection techniques for a NucDet: <ul style="list-style-type: none"> <li>Identify the media samples appropriate for assessing dose pathways for a NucDet</li> <li>Identify the analytical instrumentation for environmental samples obtained following a NucDet</li> <li>Identify quality assurance controls for sampling and laboratory analysis of NucDet samples</li> <li>Identify modifications of routine environmental sampling and analysis procedures that may be necessary following a NucDet</li> </ul>	C, E, F, I, J, T	03	JB 10/21/21
57. (TYPES 1 AND 2 ONLY) Demonstrate the ability to lead a ROSS Strike Team engaged in NPP release, RDD or NucDet response and recovery within the incident management structure: <ul style="list-style-type: none"> <li>Provide after-action report detailing participation in exercise and execution of task</li> </ul>	C, E, F, I, J, T	✓	

Position Task Book: ROSS

TASK	CODE	EVALUATION RECORD #	EVALUATOR INITIALS AND DATE
58. (TYPES 1 AND 2 ONLY) Recognize the critical role of dose-related recordkeeping during NPP release, RDD and NucDet incidents: <ul style="list-style-type: none"> <li>Describe the types of dose-related records response teams obtain and maintain during NPP release, RDD and NucDet incidents</li> <li>Identify the uses of dose-related records for individual, group and incident management purposes</li> <li>Describe methods to ensure and preserve the quality and integrity of dose-related records</li> </ul>	C, E, F, I, J, T	6	JB 10/21/21
59. (TYPES 1 AND 2 ONLY) Recognize the potential health impacts of a NucDet: <ul style="list-style-type: none"> <li>Describe the physical, environmental, societal and human effects of a NucDet</li> <li>Explain to an audience the specific sources of radiation exposure in the early and later phases of a NucDet</li> <li>Explain to an audience the complexities of minimizing or mitigating the physical, environmental, societal and human effects of a NucDet in times of scarce resources and austere conditions</li> <li>Describe the roles ROSS staff can play in minimizing or mitigating the physical, environmental, societal and human effects of a NucDet</li> </ul>	C, E, F, I, J, T	9	JB 10/21/21
60. (TYPES 1 AND 2 ONLY) Recognize the potential health impacts of an NPP release: <ul style="list-style-type: none"> <li>Describe the physical, environmental, societal and human effects of an NPP release</li> <li>Explain to an audience the specific sources of radiation exposure in the early and later phases of an NPP release</li> <li>Describe the roles ROSS staff can play in minimizing or mitigating the physical, environmental, societal and human effects of an NPP release</li> </ul>	C, E, F, I, J, T	10	JB 10/21/21
61. (TYPES 1 AND 2 ONLY) Recognize the potential health impacts of an RDD incident: <ul style="list-style-type: none"> <li>Describe the physical, environmental, societal and human effects of an RDD incident</li> <li>Explain to an audience the specific sources of radiation exposure in the early and later phases of an RDD incident</li> <li>Describe the roles ROSS staff can play in minimizing or mitigating the physical, environmental, societal and human effects of an RDD incident</li> </ul>	C, E, F, I, J, T	11	JB 10/21/21



# AHJ Final Evaluator Verification

EVALUATOR VERIFICATION	
<i>(Do not complete this form unless you are recommending the trainee for all-hazards certification.)</i>	
<b>FINAL EVALUATOR VERIFICATION</b>	
I verify that <u>William Chris Moore</u>	
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:	<u>10/26/2021</u>
FINAL EVALUATOR'S PRINTED NAME: <u>LISA BRUEDIGAN</u>	
TITLE: <u>Surveillance Section Director Consumer Protection Division / Radiation Pt Director</u>	
DUTY STATION: <u>Texas Department of State Health Services</u>	
PHONE NUMBER: <u>512-924-6862</u>	
E-MAIL: <u>LISA.Bruedigan@dshs.texas.gov</u>	
DOCUMENTATION OF AGENCY CERTIFICATION	
<b>DOCUMENTATION OF AGENCY CERTIFICATION</b>	
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:	



# The Final Certification Steps

The AHJ completes and signs this section after the Quality Review



# FEMA

EVALUATOR VERIFICATION	
<i>(Do not complete this form unless you are recommending the trainee for all-hazards certification.)</i>	
<b>FINAL EVALUATOR VERIFICATION</b>	
I verify that <u>William Chris Moore</u>	
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: <u>10/26/2021</u>	
FINAL EVALUATOR'S PRINTED NAME: <u>LISA BRUEDIGAN</u>	
TITLE: <u>Surveillance Section Director Consumer Protection Division / Radiological Operations Director</u>	
DUTY STATION: <u>Texas Department of State Health Services</u>	
PHONE NUMBER: <u>512-924-6862</u>	
E-MAIL: <u>LISA.Bruedigan@dsHS.texas.gov</u>	
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: _____	

## Homeland Security/Emergency Response Committee 4

Conference of Radiation Control Program Directors, Inc.

*A Partnership Dedicated to Radiation Protection*



To: Lisa Bruedigan  
Radiation Control Program Director  
Texas Department of State Health Services  
Austin, TX 78754-9347

20 June 2022

Dear Director Bruedigan,

The Radiological Operations Support Specialist (ROSS) Working Group of the Conference of Radiation Control Program Directors Homeland Security/Emergency Response Committee 4 serves as the Quality Review Board (QRB) for the typing of ROSS. The QRB has reviewed the Type 3 and Type 2 Position Task Books (PTBs), twelve Evaluation Records and a List of Activities submitted by you and Mr. Chris Moore. The role of a Quality Review Board (QRB) is described in the Federal Emergency Management Agency *National Incident Management System Guideline for the National Qualification System* of November 2017.

The QRB is glad to report that the documentation was appropriate for the purpose, and the QRB independently assesses that Mr. Moore meets the competencies, behaviors and tasks for the Type 3 and Type 2 ROSS. As the Authority Having Jurisdiction in Texas, you should not hesitate to complete the Documentation of Agency Certification in Mr. Moore's Type 3 and Type 2 PTBs. The QRB further notes that Mr. Moore is lacking only lacking a handful of tasks required to certify as a Type 1 ROSS.

This letter is copied to Mr. Moore. You and he are both commended for the excellent manner with which the evaluation and documentation were conducted. Please notify me on your actions taken on Mr. Moore's certification so we can update national records.

Signing on behalf of the members of this Quality Review Board – Angela Leek, M.S., CHP, and Matthew McKinley, MSC Captain, United States Army:

William Irwin, Sc.D., CHP, Quality Review Board Chair

**William Irwin, Sc.D., CHP, Chairperson**

663 Kings Hill Road  
Bakersfield, VT 05441  
802-316-0119

[William.Irwin@Vermont.Gov](mailto:William.Irwin@Vermont.Gov) CRCPD Home Page: [www.crcpd.org](http://www.crcpd.org)

# There are Other Ways to Document Your Career To PTB Tasks & Certification

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- Some ROSS are using excel spreadsheets that track each of the 63 PTB tasks and allow for matching to classes, exercises, actual incidents and on-the-job experiences to the tasks.
- Chris used two paper PTBs and hand-wrote the content and obtained hand-written signatures.
- Some ROSS are using digital tools to mark up an electronic version of the PTB and obtaining electronic signatures.
- In the end, once your AHJ signs off your Final Evaluator Verification, have all the records sent to HS/ER-4 (through [William.Irwin@Vermont.Gov](mailto:William.Irwin@Vermont.Gov)) for Quality Review.
- Following receipt of the QRB letter, the AHJ completes the Documentation of Agency Certification.
- For those without a participating AHJ, the Type 1 ROSS on HS/ER-4's QRB can provide Documentation of Agency Certification for the National ROSS Program.





# Competency Maintenance Problem for June 2022

Bill Irwin

# Competency Maintenance - as Important as Task Evaluation & Type Certification

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- CRCPD Committee HS/ER-4 has a task force that meets to prepare for each of the ROSS Quarterly Calls.
- Most include a competency maintenance problem.
- Each problem is designed to sustain current or provide new ROSS skills, but each is also tied to at least one PTB task that can be signed off with completion of the problem.
- This quarter, our competency maintenance problem comes Lawrence Livermore National Laboratory.



# Competency Maintenance Problem June 2022



## Radiological Operations Support Specialist Cadre Management Continuing Education Competency Maintenance Program

ROSS Quarterly Problem Set	28 June 2022
Answers Due By:	15 September 2022
Submit answers with supporting attachments and provide briefing to:	<p>Any ROSS Task Force Leader by email with the subject title: "June 2022 ROSS Problem" for written content and via video conference call for the briefing. They are:</p> <p><a href="mailto:william.irwin@vermont.gov">william.irwin@vermont.gov</a>  <a href="mailto:angela.leek@idph.iowa.gov">angela.leek@idph.iowa.gov</a>  <a href="mailto:mattheww.mckinley@ky.gov">mattheww.mckinley@ky.gov</a>  <a href="mailto:chris.moore@dshs.texas.gov">chris.moore@dshs.texas.gov</a>  <a href="mailto:yta1@cdc.gov">yta1@cdc.gov</a> (Adela)  <a href="mailto:jeffrey.semancik@ct.gov">jeffrey.semancik@ct.gov</a>  <a href="mailto:yale.kenneth@epa.gov">yale.kenneth@epa.gov</a></p>
Questions about problem:	<a href="mailto:william.irwin@vermont.gov">william.irwin@vermont.gov</a>
<p>Task Sign Off Potential</p> <p><i>Successful completion of this quarterly problem allows you to request signoff by your Task Force Leader or any higher Typed ROSS</i></p>	<p>ROSS Position Task Book Tasks #14 and 15</p> <p>14. Demonstrate ability to identify opportunities to share information important to responders, incident managers, agencies and stakeholders during an incident:</p> <ul style="list-style-type: none"> <li>• Identify the right meetings/mechanisms to relay important information to responders, incident managers, agencies and stakeholders</li> <li>• Demonstrate ability to communicate effectively with workers in the field and with senior leadership</li> </ul> <p>15. Evaluate the radiological characteristics of the scenario and relate the risks to responders and the public:</p> <ul style="list-style-type: none"> <li>• Provide radiological perspectives to inform the Incident Action Plan (IAP)</li> <li>• Provide radiological perspectives for incident briefings</li> <li>• Provide content for Public Information Officer (PIO) messages</li> </ul>



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# Competency Maintenance Problem June 2022

	<ul style="list-style-type: none"> <li>• (TYPES 1 AND 2 ONLY) Demonstrate capacity to appropriately engage with decision makers in all emergency support functions and incident command roles</li> <li>• (TYPE 1 ONLY) Demonstrate capacity to appropriately engage with decision makers at the highest levels of government</li> </ul>
<p>Expected Answer Format</p>	<ol style="list-style-type: none"> <li>1. Watch the 57-minute LLNL Responder Training Video at <a href="https://responder.llnl.gov/training">https://responder.llnl.gov/training</a> called <i>Responding to Nuclear Terrorism</i>.</li> <li>2. Assume a nuclear detonation has occurred in your state and you are responding to your assigned incident command post or emergency operations center. Further assume that it is in the first hour or so of activation and what exactly has occurred remains unclear.</li> <li>3. Using the <i>ROSS Planning Process Job Aid</i> from the ROSS Toolkit in CBRN Responder, identify the meetings at which a ROSS may provide a report useful to the incident management team.</li> <li>4. If you are working on Type 3, brief the incident command post near the front lines to the Hot Zone on the first three indicators in Task 15. If you are working on Type 2 or Type 1, brief the Objectives Meeting on all five indicators in Task 15. If you are working on Type 1 assume your briefing is for the Governor and his/her cabinet.</li> </ol>

This ROSS Competency Maintenance activity is designed to accomplish three goals. The first is to help you better understand the public health consequences of an improvised nuclear device. The second is to access and use the *ROSS Planning Process Job Aid* in the ROSS Toolkit to understand how the ROSS can help in multiple activities as described by the Planning P. The third is to provide an opportunity to brief a simulated audience of responders and/or decision-makers on what you derive from the video and the *ROSS Planning Process Job Aid* as valuable to that audience for a specific Planning P meeting.



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# Closing Remarks

Luis Garcia





## Closing Remarks

- Next call in will be scheduled around the week of September 26.
- We will continue with new updates, the introduction of newly trained ROSS (what we now call Type 4 ROSS).
- We are planning a panel discussion on the Cobalt Magnet 22 exercise in Austin Texas that occurred last month.
- We will also likely continue with another LLNL Responder Training Video-based competency maintenance problem.