

Conference of Radiation Control Program Directors



Update

FRMAC Call

August 4, 2021

Ruth McBurney, CHP
Executive Director, CRCPD

Ken Evans
Chairman, HS/ER-5 Committee

A Partnership Dedicated to Radiation Protection

HS/ER Activities Under CDC Grant

- ▶ Identification of respiratory protection needs for emergency workers that are not first responders
 - ▶ those in public health that would be operating a Community Reception Center or a shelter;
 - ▶ bus drivers assisting with evacuations;
 - ▶ public works staff assisting with debris removal after a radiological incident

HS/ER-12 Committee on Radiochemistry Laboratory Assets

- ▶ Established in 2018 to
 1. Inventory and share information concerning the nation's current radiochemistry laboratory infrastructure and capabilities.
 2. Examine and comment on the potential for development of consistent radiochemistry laboratory processes to facilitate mutual aid.
 3. Provide guidance on coordination of state and federal radiochemistry laboratory assets.

Radiochemistry Laboratory Assets

- ▶ CRCPD endorsed the Association of Public Health Laboratories' (APHL) proposed NextGen Radiochemists Training Program.
 - ▶ comprehensive and sustainable in support of governmental radiochemistry laboratories.
 - ▶ initial and ongoing training for chemists and radiochemists to ensure that decision makers receive accurate, precise, and timely data

Collaboration with DOE/NNSA Office of Counterterrorism and Counterproliferation

- ▶ Database of State Emergency Response Assets
- ▶ State input on Federal Guidance
- ▶ State evaluators at National Level Exercises
- ▶ RAPTOR training for state personnel
- ▶ ROSS enhancement
- ▶ FRMAC working group participation

DOE FRMAC Working Groups

- ▶ Operations - Pat Mulligan (NJ), Ann Pfaff (NJ)
- ▶ Assessment - Cynthia Costello (NY), Tassos Deligiannis (IL), Ken Evans (IL)
- ▶ Health and Safety - Ken Evans (IL)
- ▶ Monitoring and Sampling - David Asselin (MI), Tarver Haven (IL)
- ▶ Laboratory Analysis - Tassos Deligiannis (IL), David Asselin (MI)



ROSS PROGRAM 2019 - 2020 UPDATES

FEMA QUALIFICATION & RESOURCE TYPING



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 TASK CODES

For each of the tasks listed in the Position Task Book (PTB), there are one or more codes describing the circumstances in which the trainee can perform tasks related to the position. If a task has multiple codes listed, it means the evaluator can assess the trainee on any of those circumstances as opposed to evaluating the trainee on all of the listed codes.

Code C: Task performed in training or classroom setting, including seminars and workshops.

Code E: Task performed on a full-scale exercise with equipment deployment under the Incident Command System (ICS).

Code F: Task performed on a functional exercise managed under ICS.

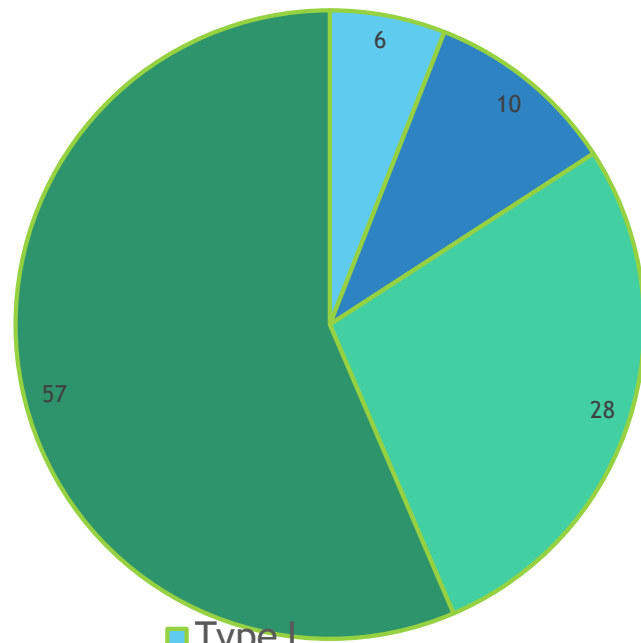
Code I: Task performed on an incident or event managed under ICS. Examples of incidents and events that may employ ICS include but are not limited to an oil spill, search and rescue, hazardous material response, fire, and emergency or non-emergency (planned or unplanned) events.

Code J: Task performed as part of day-to-day job duties.

Code T: Task performed during a tabletop exercise.

Code R: Task performed very rarely and used only if applicable to the event.

ROSS by Type 2019



Type I

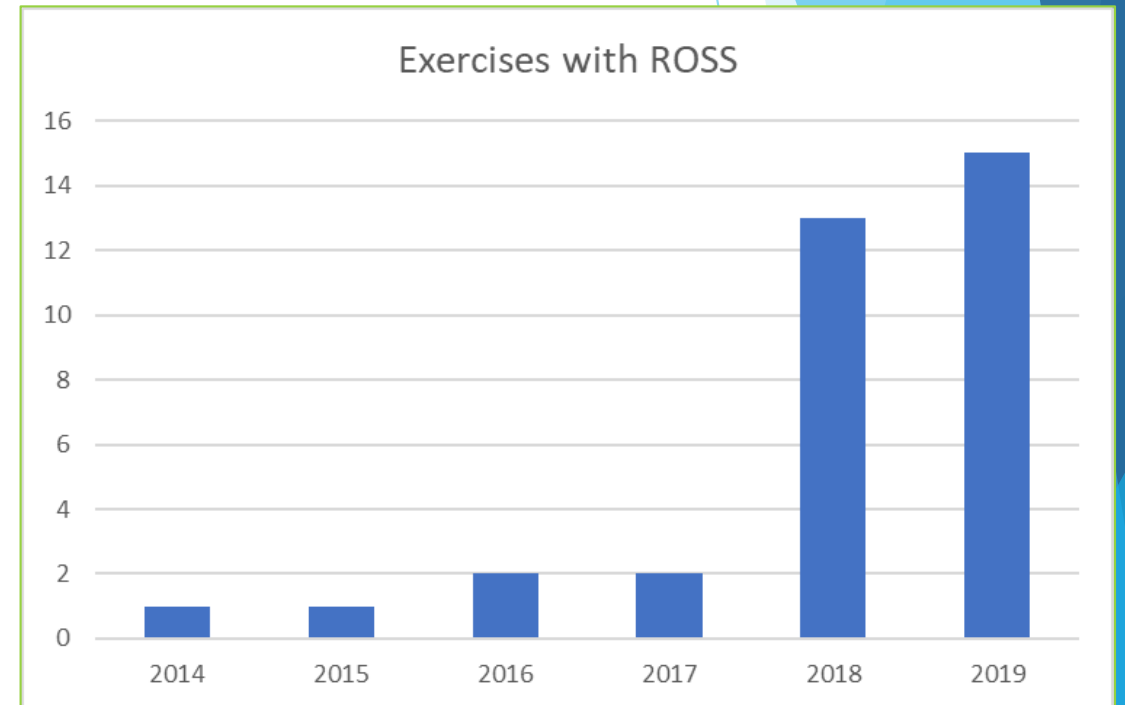
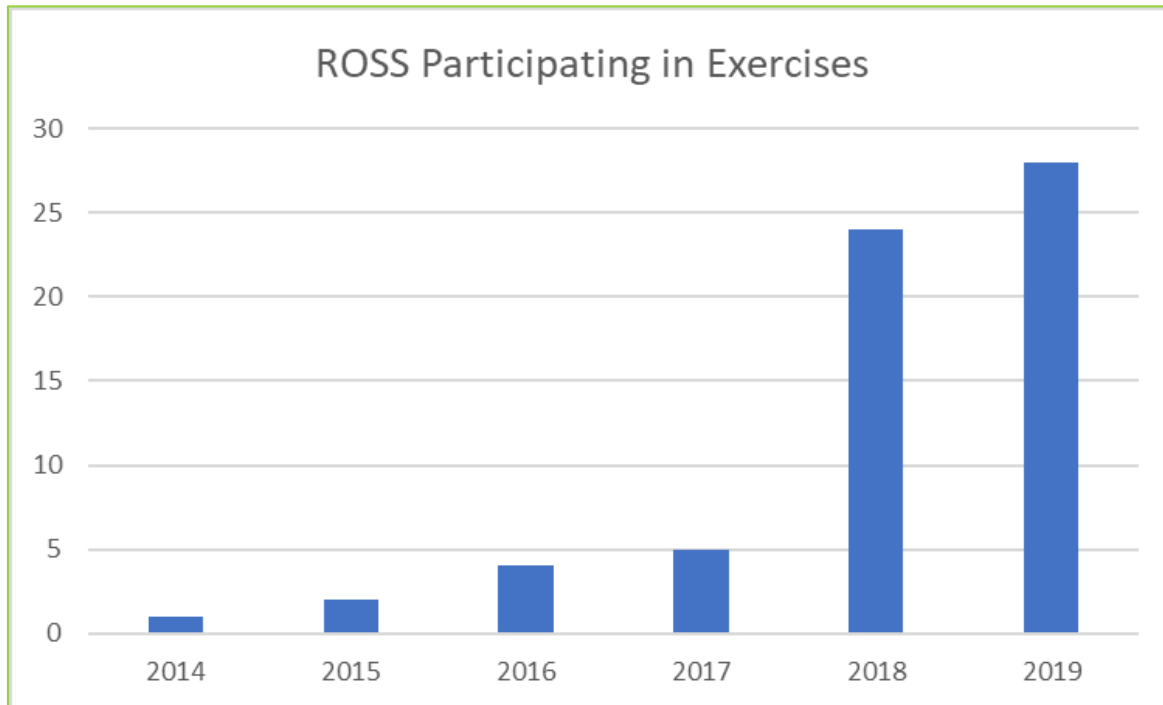
Type II

Type III

Type III PTB Holders

EXERCISING ROSS UNTIL COVID

34 different ROSS participated in 64 different exercises



Exercises have started again with two nuclear power plant exercises, 3 Silent Thunder tabletops and plans for Cobalt Magnet 22⁹ in May 2022

ACCOMPLISHMENTS DURING COVID-19 PANDEMIC

- ▶ Supported Lawrence Livermore National Labs and DHS National Urban Security and Technology Laboratory in completion of emergency preparedness curriculum universities may incorporate into their health physics program to help their graduates be “ROSS ready”.
- ▶ Created six 16-person ROSS Mentoring Strike Teams to help ROSS with their emergency preparedness competencies and certification aspirations.
- ▶ CRCPD voted to create State ROSS Coordinators and has started to develop guidance for them.
- ▶ DHS Homeland Security Information Network (HSIN) ROSS Community of Interest developed for rosters, document libraries, incident and project collaboration.

WORK ON THE HORIZON

- ▶ CTOS initial training restart via on-line training by May and in-person as soon as COVID restrictions allow.
- ▶ Piloting of the Virtual Evaluation Scenario Tool (VEST) with eventual turnover to an organization to offer VEST multiple times each year and to add new scenarios over time.
- ▶ REP Program Fact Sheet on ROSS so States, FEMA, NRC and utilities understand how they may help.
- ▶ Connecting ROSS to their State ROSS Coordinators with the hope to use ROSS within emergency organizations, to incorporate them into plans and to have ROSS help with responder training.





CRCPD ENGAGEMENT WITH THE NATIONAL COUNCIL ON RADIATION PROTECTION & MEASUREMENTS STATEMENT ON EMERGENCY INSTRUMENT CALIBRATION

GUIDANCE FOR AN IMPORTANT NEED

Some jurisdictions have hundreds or even thousands of radiological instruments that could be deployed in an emergency.

Some may abandon them because the resources (time, money and people) to calibrate them to regulatory dose assessment standards are unavailable.

NCRP Scientific Committee 3-2 is finishing guidance that describes how radiological instruments only used for an emergency may be maintained with other capability assessments.



Train the Trainer Workshops for Population Monitoring

Goals

- ▶ Develop train the trainer course material specific for public health officials to train others how to set up and operate a community reception center (CRC) following a radiological incident.
- ▶ Plan, execute and host a series of regional 'Train the Trainer' workshops for local health departments involved in radiological emergency planning.

Task Force Objectives

- Develop scalable modules that could be used by public health to deliver training to individuals with no prior knowledge of radiation safety.
- Training material to include power point and practical exercises.
- Pilot an initial Train the Trainer Workshop by September 30, 2019, and host a second Train the Trainer Workshop based on feedback from the Pilot (planned for September 27 – 28, 2021, in Orlando).
- Upload all training material to the Radiation Response Volunteer Corps Development Toolkit on the CRCPD website.

Training Modules

- Module 1 - Introduction to the Community Reception Center
- Module 2 – Radiation Fundamentals
- Module 3 – Population Monitoring
- Module 4 – Risk Communication and Stress Management
- Module 5 – Survey Meter and Portal Monitor Operations
- Module 6 – CDC Simulation Tools and Available Resources

HS/ER-5: Committee on Emergency Response Planning

- ▶ Assists in the development of guidance for states in planning and responding to off-site radiological emergencies around nuclear power plants and transportation accidents.
- ▶ Serves as point of contact between Federal agency, CRCPD and state radiological programs for issues related to REP

HS/ER-5: Committee on Emergency Response Planning

In 2020:

- ▶ HS/ER-5 submitted comments to FEMA on the 2019 REP Program Manual and NUREG-0654 Rev. 2
- ▶ HS/ER-5 submitted comments to NRC on the NUREG-0654 Rev. 2
- ▶ HS/ER-5 requested exemptions for biennial exercises from FEMA and NRC

Current Status of Exercises

- ▶ NRC has granted regulatory relief
- ▶ FEMA has not granted exemptions but has been flexible with scheduling and allowing partial credit for COVID in some FEMA regions
- ▶ FEMA has also used web-based evaluations in some FEMA regions

HS/ER-5 Surveyed REP States

- ▶ In April 2021, HS/ER-5 sent out a radiological survey to the REP states
- ▶ One objective of this survey was a follow-up to a 2015 survey related to state's REP capabilities
- ▶ A second objective of this survey was a follow-up to a 2018 survey on the 2017 EPA PAGs implementation
- ▶ A new section was added to this survey to determine what effects COVID has had on the REP program

CRCPD / FEMA Collaboration

- ▶ Provide support to the FRPCC Subcommittee on the Environment, Food, and Health (Advisory Team)
- ▶ Provide support to the FRPCC Subcommittee on Offsite Emergency Instrumentation

DHS/FEMA

- ▶ HS/ER-5 is currently processing the results of the survey sent out in April 2021
- ▶ Preliminary results
 - ▶ The majority of states have still not fully implemented the 2017 EPA PAG Manual
 - ▶ Recommendations to FEMA on the path forward will be issued in the second half of the year

HS/ER-5 Contact

Ken Evans

Illinois Emergency Management Agency

1035 Outer Park Dr.

Springfield, IL 62704

217-785-9912

Ken.Evans@illinois.gov