



*United States  
Department of Energy  
National Nuclear Security Administration*  
**International Nuclear Security**

## **M8: Workshop Summary and Conclusions**

Research Reactor Sabotage Protection Workshop



# Learning Objectives

## Objectives:

- Become familiar with the concepts of Unacceptable Radiological Consequences (URC) sabotage and protection target identification
- Understand approaches to designing and implementing a PPS at a research reactor facility, including the development of a strategy to protect both theft and sabotage targets
- Develop skills required to analyze and evaluate a research reactor PPS at a concept level
- Understand the concept of integrated response

# What Did We Do?

- We discussed the concepts of URC/HRC and sabotage and theft targets at a research reactor facility
  - As an example, we used a large hypothetical material test research reactor – MTRF facility
- We discussed the fundamentals of PPS for a research reactor facility, including detection, delay, and response
  - Through discussions and exercises, we developed a concept-level PPS for MTRF
- We discussed the methods for evaluating PPS with a focus on protective strategy TTX exercises
- We considered the concept of integrated response, including on-site security response, national response, and emergency response
  - We conducted a discussion based-exercise addressing an integrated response scenario

## In Conclusion

- We hope you found the class useful
- Continue to practice your TTX skills
- Consider the workshop concepts in designing and implementing a PPS
  - Ensure your approaches reflect the site-specific conditions and policies
- Continue to improve integrated response programs and capabilities
- NNSA/INS remains committed to working with its partners to enhance nuclear security

Questions, Comments, Concerns?