

Nuclear Detonation Response Training

Overview and Introduction

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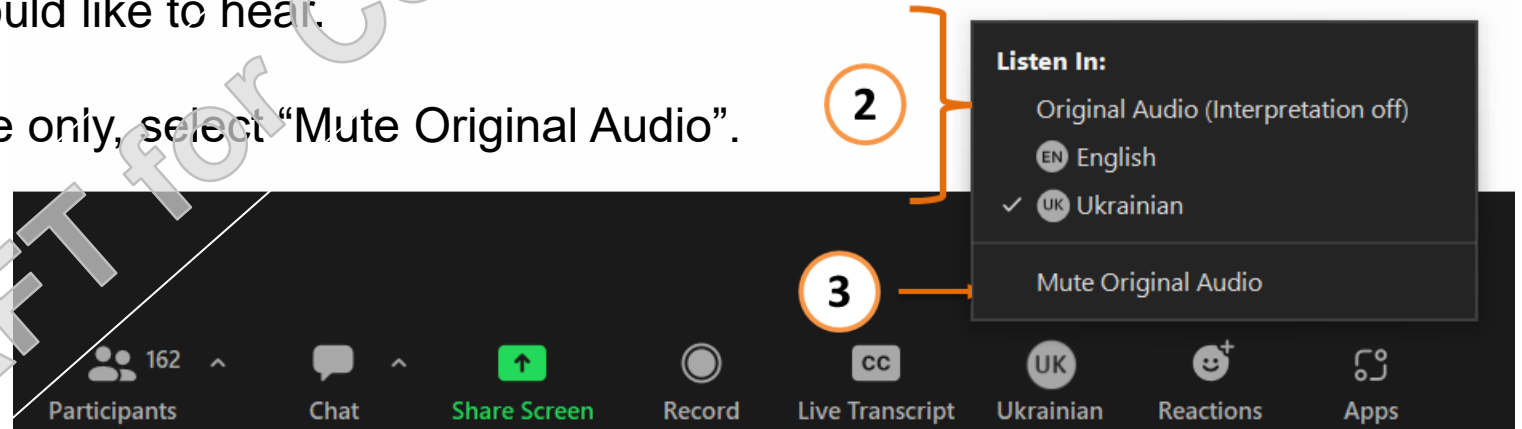
Ukraine Language Interpretation Is Available

Interpretation will become visible when the Meeting Host turns the Interpretation feature on.

1. In your meeting control bar, click “Interpretation”.

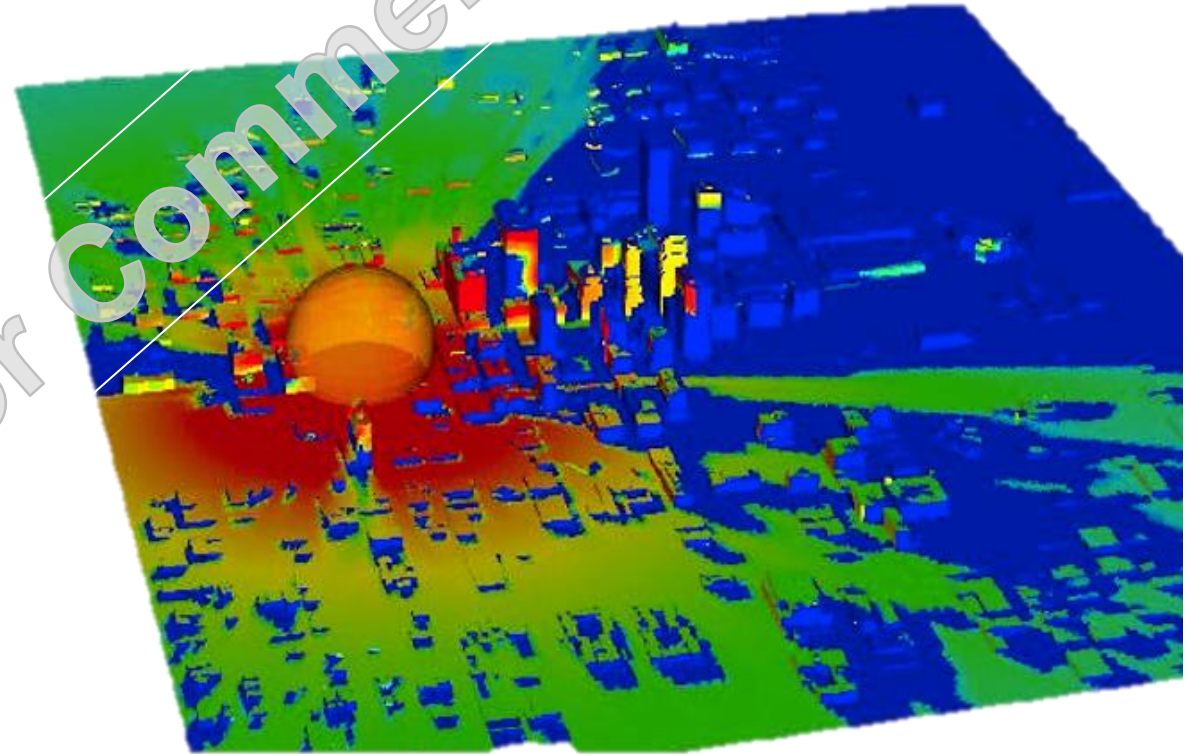


2. Select the language that you would like to hear.
3. To hear the interpreted language only, select “Mute Original Audio”.



- This session is being recorded
- Please mute your microphone when not speaking
- Questions and feedback are encouraged, please raise your hand or use chat, your question will be translated for the speaker

1. Welcome
2. Ground Rules
3. Course Purpose
4. Course Overview
5. Instructors
6. Course Structure and Logistics



Paloma Richard

- Office of Nuclear Incident Policy and Cooperation
- DOE/NNSA

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Ground Rules

In this course, we will not discuss on

- Specific threats
- Military considerations including weapon capabilities
- Non-US government assessment or response capabilities



This course is based on US Nuclear Detonation Response Planning Guidance and related efforts

Each agency should assess the applicability of this information for their jurisdiction.

Course Purpose

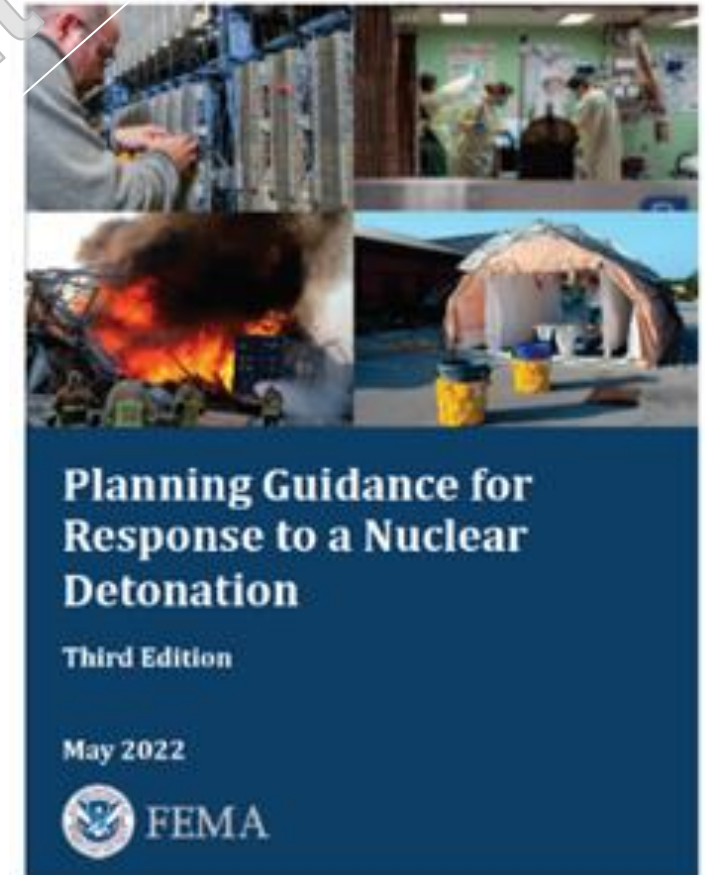
- Topics of instruction include:
 - Nuclear Detonation Effects
 - A Zoned Based Response
 - Communications and Public Preparedness
 - Shelter and Evacuation
 - Public Protection & Population Monitoring



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Foundation of Training Materials

- This training is based on the US Federal Emergency Management Agency (FEMA) Planning Guidance for Response to a Nuclear Detonation, 3rd ed.
- Many other guides and plans have been created by the Federal Emergency Management Agency



www.fema.gov/sites/default/files/documents/fema_nuc-detonation-planning-guide.pdf

US uses planning scenarios that intentionally span a wide range of potential challenges

These planning scenarios are NOT intended to be either “likely” or a “best estimate”

Response plans are designed with these scenarios in mind, but are not optimized for any given scenario

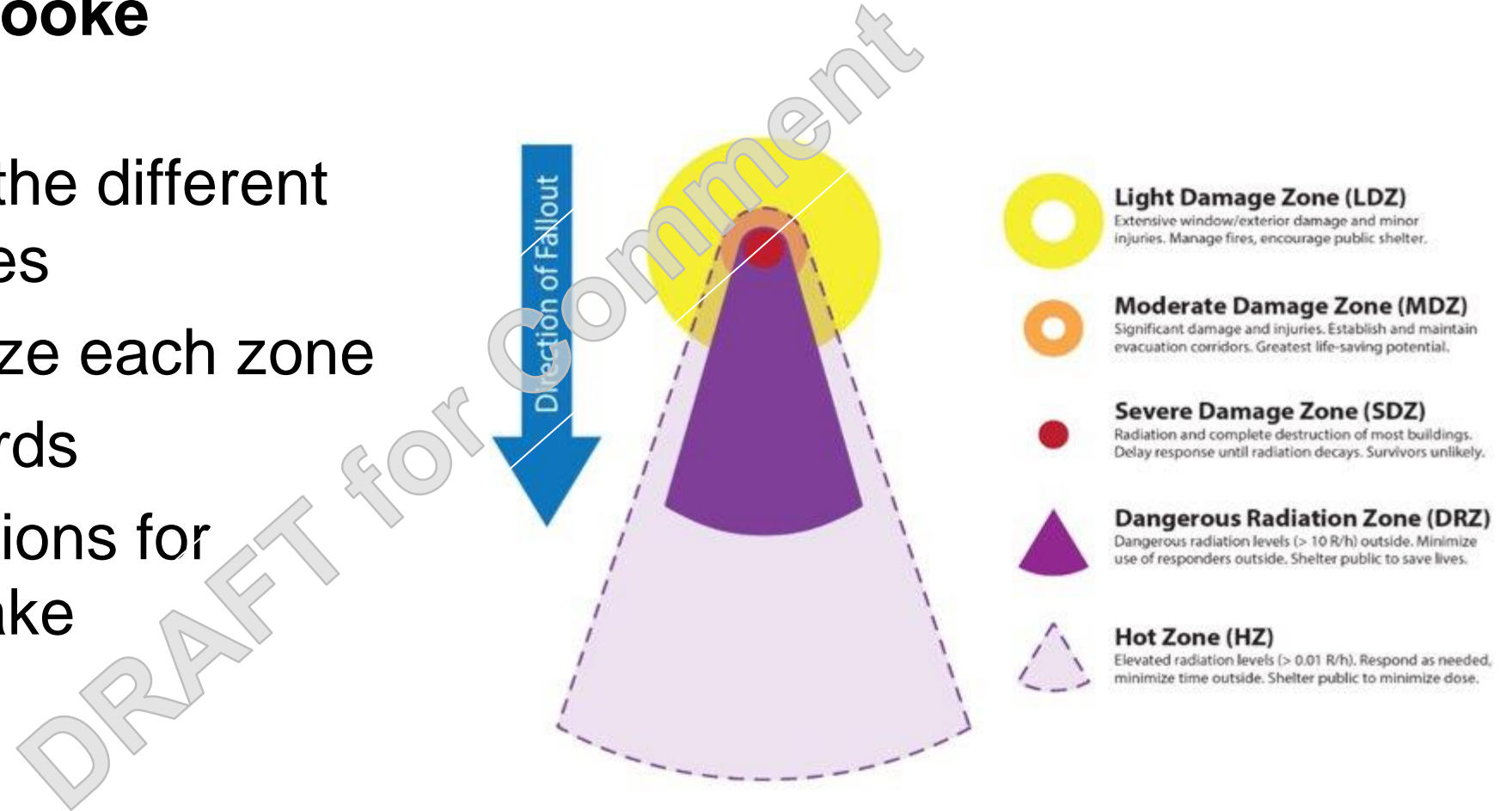
Capabilities based planning allows for planning under uncertainty

The intent is to develop response capability and capacity that can robustly meet a wide range of potential challenges

- **Facilitator: Brooke Buddemeier**
- Explanation of the effects of a nuclear detonation including what makes a nuclear detonation a unique challenge
- Overview of the different impact zones, how the zones are determined, and what would be seen in each of the zones
- Radiation Zones, Radiation Injuries, and Fallout Health Impacts

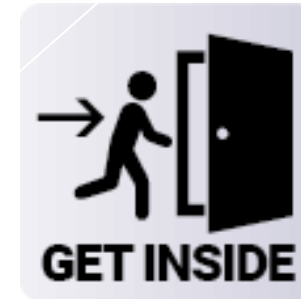


- **Facilitator: Brooke Buddemeier**
- Introduction to the different Response Zones
- How to recognize each zone
- Key zone hazards
- Appropriate actions for individuals to take



Module 3: Public Messaging and Communications

- **Facilitator: Holly Hardin**
- Emergency nuclear communication considerations
- Existing US communications strategies
- Tested and pre-coordinated messages
- How to prevent misinformation



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- **Facilitator: Michael Dillon**
- First day priorities
- Critical information needs
- Key considerations for Emergency Operations Centers
- Building protection
- Evacuation considerations



Module 5: Population Monitoring and Decontamination

- **Facilitator: Brooke Buddemeier**
- Best practices to facilitate a smooth response and recovery
- Including mass care
- Radiation decontamination and monitoring
- Psychological health
- Population and worker safety



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Course Structure and Logistics

- There will be 3 classes held over 3 days
- Each session will be 3 hours long
 - Tuesday : Module 1: Nuclear Detonation Effects
 - Wednesday : Module 2: A Zoned Based Response
 Module 3: Communications and Public Preparedness
 - Thursday: Module 4: Shelter and Evacuation
 Module 5: Public Protection & Population Monitoring
- We will take a short break every hour
- We would appreciate if you would register at the following link

<https://forms.office.com/g/raqdiq5gwk>



Interactive Sessions

- Please ask questions during each module
- There will also be time for questions at the end of each day
- Each of the instructors will have a questions for you to answer
- Poll Question:
 - Did you attend the first training session in December?
 - Ви були на першому тренуванні в грудні?
- Please provide feedback each day or at the end of the training:
- <https://forms.office.com/g/NwJn9uiJ2F>



Final Word of Caution

- We are going to cover a lot of information
- At times, it will be overwhelming
- The key points will be repeated many times and examples will be provided either later in the same or other modules
- **These slides will be available later for references**



Don't worry if you don't understand it all right away!