

CBRNE Awareness

Weapons Of Mass Destruction

Basic Awareness Course



Course # 06085

Overview 1

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CBRNE Awareness

Introduction




Overview 2

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CBRNE Awareness

Focus

- CBRNE (NBC) Weapons
 - Chemical agents/devices
 - Biological agents/devices
 - Radiological materials
 - Nuclear material/devices
 - Explosive materials/devices






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CBRNE Awareness

Course Goals

- Describe the threat
- Recognize signs and symptoms of CBRNE/ NBC exposure
- Recognize dissemination devices
- Describe proper Awareness Level response actions



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CBRNE Awareness

- BASIC TERMS

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CBRNE Awareness

Basic Terms

B-NICE







Biological **N**uclear **I**ncendiary **C**hemical **E**xplosives

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CBRNE Awareness

Basic Terms

CBRN or CBRNE

- C** Chemical
- B** Biological
- R** Radiological
- N** Nuclear
- E** Explosive

- BWA
- CWA
- TIC
- TIM

A new term developed to describe how various forms of materials cause harm.

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CBRNE Awareness

TRACEM-P

Thermal
Radiological
Asphyxiating
Chemical
Etiological
Mechanical
Psychological

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CBRNE Awareness

Typical HAZMAT Incident (HMI) vs. CBRNE Terrorism Incident (CBRNE-TI)

	HMI	CBRNE-TI
• Super toxic material		✗
• Hazard identification	x	✗
• Mass casualties		✗
• Many fatalities		✗
• Mass decontamination		✗
• Unusual risk to emergency responders and civilians		✗

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Typical HAZMAT Incident (HMI) vs. CBRNE Terrorism Incident (CBRNE-TI) (con't)

	HMI	CBRNE-TI
• Crime scene/evidence preservation		✗
• Major interaction/coordination with local, state, and federal agencies		✗
• Scene communication overload		✗
• Chaos, mass hysteria		✗
• Resources immediately overwhelmed		✗
• Secondary device designed to kill responders		✗
• Pre-incident indicators		✗

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Administrative Notes

- Much of the material is military in nature.
- Instruction only addresses additional information relative to CBRNE (NBC).



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CBRNE Awareness

Learning Objectives

Terrorism

- Causes
- Objectives
- Definitions
- Primary Perpetrators

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CBRNE Awareness

Learning Objectives

Chemical Agents

- Physical Rules that govern behavior
- Implication of Response Activities
- Properties of Military and Industrial agents
 - Effects of exposure
 - Signs and symptoms (initial indicators)

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CBRNE Awareness

Learning Objectives

Biological agents

- Various forms (Natural and man made)
- Effects of exposure
- Definitions
- Signs and symptoms

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CBRNE Awareness

Learning Objectives

Radiological

- Effects
- Objectives
- Definitions
- Primary Perpetrators

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