Program of Instruction
Course Syllabus

Course Title: Statewide WMD Response: Technical Rescue Awareness

Course Duration: 9 hours

Program: Technical Rescue Program

Level of Training: Awareness

Course Prerequisites: None

Course Description: The scope of this 9-hour course is to begin to prepare local responders to operate as a local member of a regional team within the National Incident Management System at a Chemical, Biological, Radiological, Nuclear, or Explosive (CBRNE) Weapons of Mass Destruction (WMD) event requiring statewide response that has resulted in the need for a technical rescue. This course is for the basic first-in company. It will provide first responders with the information needed to identify the rescue situation, its specific hazards, and the initial company operations to be performed. Subject areas include: standards, structural collapse rescue, rope rescue, confined space rescue, vehicle and machinery rescue, water and ice rescue, wilderness search and rescue, trench and excavation rescue, and incidents involving WMD.

Course Requirements:
100% attendance of the 9-hour course
Passing score of 70% on the state exam

Course Content:

Module: 1
Title: Standards
Terminal Learning Objective:
At the conclusion of this module, the student will summarize the general requirements necessary to mitigate a technical rescue incident, as defined in their student manual.

Evaluation:
Students participate in a class question-and-answer session regarding the information presented in this module.
Module: 2
Title: Structural Collapse
Terminal Learning Objective:
At the conclusion of this module, the student will be given a scenario, and will summarize all Awareness level tasks to be accomplished at a structural collapse incident, as defined in their student manual.

Evaluation:
Students will participate in a small group discussion to complete a case study on structural collapse.

Module: 3
Title: Rope Rescue
Terminal Learning Objective:
At the conclusion of this module, the student will be given a scenario, and will summarize all Awareness level tasks to be accomplished at a rope rescue incident, as defined in their student manual.

Evaluation:
Students will participate in a small group discussion to complete a case study on rope rescue.

Module: 4
Title: Confined Space
Terminal Learning Objective:
At the conclusion of this module, the student will be given a scenario, and will summarize all Awareness level tasks to be accomplished at a confined space incident, as defined in their student manual.

Evaluation:
Students will participate in a small group discussion to complete a case study on confined space rescue.

Module: 5
Title: Vehicle and Machinery
Terminal Learning Objective:
At the conclusion of this module, the student will be given a scenario, and will summarize all Awareness level tasks to be accomplished at a vehicle and machinery rescue, as defined in their student manual.

Evaluation:
Student will participate in a small group discussion to complete a case study on vehicle and machinery rescue.
Module: 6
Title: Water
Terminal Learning Objective:
At the conclusion of this module, the student will be given a scenario, and summarize all Awareness level company tasks to be accomplished at a water rescue incident, as defined in their student manual.

Evaluation:
Students will participate in a small group discussion to complete a case study on water rescue.

Module: 7
Title: Wilderness SAR
Terminal Learning Objective:
At the conclusion of this module, the student will be given a scenario, and will summarize all Awareness level tasks to be accomplished at a wilderness SAR incident, as defined in their student manual.

Evaluation:
Students will participate in a small group discussion to complete a case study on Wilderness SAR.

Module: 8
Title: Trench and Excavations
Terminal Learning Objective:
At the conclusion of this module, the student will be given a scenario, and will summarize all Awareness level company tasks to be accomplished at a trench or excavation incident, as defined in their student manual.

Evaluation:
Students will participate in a small group discussion to complete a case study on trench rescue.
Module: 9
Title: Incidents Involving Weapons of Mass Destruction

Terminal Learning Objective:
At the conclusion of this module, the student will summarize all Awareness level company tasks to be accomplished at a WMD incident, as defined in their student manual.

Evaluation: Students will participate in a small group discussion to complete a case study on a WMD event.

References:
Emergency Responder Guidelines, ODP 2002
Emergency Response to Terrorism-Job Aid, FEMA 2000
Emergency Response to Terrorism- Basic Concepts: Student Manual, FEMA 2002
NFPA 1670- Standard on Operations and Training for Technical Search and Rescue Incidents
NFPA 1561- Standard on Emergency Services Incident Management System
NFPA 1521- Standard for Fire Department Safety Officer
NFPA 1500- Standard on Fire Department Occupational Safety and Health Program
NFPA 1006- Standard for Rescue Technician Professional Qualifications
NFPA 1983- Standard on Fire Service Life Safety Rope and System Components
OSHA 29CFR 1910.146- Confined Space
OSHA 29CFR 1910.147- Lock Out/Tag Out
OSHA 29 CFR 1926 Sub Part M- Fall Protection
Statewide WMD Response: Technical Rescue Awareness Student Manual

Evaluation Strategy:
The instructor will observe individual student participation in the group exercises. A written test is conducted at the completion of the course.
# Course Schedule

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Duration</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:00 – 9:00</td>
<td>Module 1</td>
<td>1:00</td>
</tr>
<tr>
<td>9:00-10:00</td>
<td>Module 2</td>
<td>1:00</td>
</tr>
<tr>
<td>10:00-10:30</td>
<td>Module 3</td>
<td>:30</td>
</tr>
<tr>
<td>10:30-11:30</td>
<td>Module 4</td>
<td>1:00</td>
</tr>
<tr>
<td>11:30-12:30</td>
<td>Lunch</td>
<td>1:00</td>
</tr>
<tr>
<td>12:30-1:30</td>
<td>Module 5</td>
<td>1:00</td>
</tr>
<tr>
<td>1:30-2:30</td>
<td>Module 6</td>
<td>1:00</td>
</tr>
<tr>
<td>2:30-2:45</td>
<td>Break</td>
<td>:15</td>
</tr>
<tr>
<td>2:45-3:45</td>
<td>Module 7</td>
<td>1:00</td>
</tr>
<tr>
<td>3:45-4:45</td>
<td>Module 8</td>
<td>1:00</td>
</tr>
<tr>
<td>4:45-6:15</td>
<td>Module 9</td>
<td>1:30</td>
</tr>
</tbody>
</table>