

# Program of Instruction

## Course Syllabus

**Course Title:** Structural Collapse Rescue Technician: Lift Outs & Pneumatic Shoring Refresher

**Course Duration:** 8 hours

**Program:** Special Operations Training Program

**Course Prerequisites:** Structural Collapse Technician

**Course Description:** Special Operations Training Program Refresher Courses provide hands on training at the technician level. Participants will have the opportunity to refresh critical skills through classroom review, drills and/or scenario exercises. This course covers federal and state regulations, collapse mechanisms, use of specialized equipment for technical search, building recon, rescue shoring and tool maintenance.

**Resources Needed:** Each MABAS/CART team represented will need to utilize their equipment.

For the Recon and Technical Search Classroom Review: IFSI will provide the PowerPoint presentation. The requesting Division will provide a computer and projector.

For the Tool Maintenance: The requesting Division(s) will provide their saws, power units and hydraulic hoses.

For Module - Pneumatic Shoring: The requesting Division(s) will have to furnish the shores.

**Course Requirements and/or Recommendations:** These can be divided into three categories: those completed prior to arriving in class (Pre-Course Work), those completed during class, such as homework assignments and quizzes (Course Work), and requirements completed after class but prior to receiving a certificate of completion. (Post-Course Work)

### Summary of Directions

Pre-Course Work: None

Course Work: Participate in all coursework, drills and scenarios.

Post-Course Work: None

### **Course Policies:**

**Safety Policy:** Students shall understand and follow all instructions pertaining to operational safety, as stated by instructors or as written in course materials. Instructors and students shall be mindful of safety at all times. Conduct judged to be unsafe shall be grounds for dismissal from the course.

**Academic Integrity Policy:** IFSI has the responsibility for maintaining academic integrity so as to protect the quality of the education provided through its courses, and to protect those who depend upon our integrity. It is the responsibility of the student to refrain from infractions of academic integrity, from conduct that may lead to suspicion of such infractions, and from

conduct that aids others in such infractions. Any violation of the code of conduct is grounds for immediate dismissal from the course.

**American Disabilities Act:** As guaranteed in the Vocational Rehabilitation Act and in the American Disabilities Act, if any student needs special accommodations they are to notify their instructor and provide documentation as soon as possible so arrangements can be made to provide for the student's needs.

### **Course Content:**

#### **Module: Lift Outs and Pneumatic Shoring Refresher**

1. Review of forces, collapse mechanisms, safety requirements, review updates to the current FOG/SOG manuals.
2. Tool care and maintenance (saws, power units and hydraulic hoses).
3. Recon and technical search. Review of equipment and maintenance. Estimating weight of materials. Perform a recon operation.
4. Pneumatic Shoring; review capacities, demonstrate the construction of a pneumatic shore.
5. Lift out and anchors. Review when to conduct a lift out and the proper sequence of a lift out. Perform lift out. Review anchor concepts and procedures for various anchors. Perform various types of anchoring utilizing the anchors found in the tool cache.

## **Class Schedule**

|                                       |                   |
|---------------------------------------|-------------------|
| Orientation                           | 30 minutes        |
| Module: Classroom review (PowerPoint) | 1 hour 30 minutes |
| Drill: Tool Maintenance               | 1 hour 30 minutes |
| Drill: Recon and Technical Search     | 1 hour 30 minutes |
| <b>LUNCH</b>                          |                   |
| 1st Module: Pneumatic Shoring         | 1 hour 30 minutes |
| 2nd Module: Lift out and anchors      | 1 hour 30 minutes |