

Proposal
Structural Collapse Rescue Training Program
For
The City of Crossville Fire Department
By
The University of Tennessee Institute for Public Service
Center for Industrial Services

40 Hour Light Frame/Unreinforced Masonry Collapse Rescue Class SCR-1

The SCR training course provides students with skills and cognitive sets to safely initiate and undertake rescue/recovery operations at structural collapse incidents. Over the past 5 years, there has been a significant increase in climatic volatility. Severe storms are becoming more frequent and more widespread. The Plateau area is at significant risk for severe wind and tornadic events, as well as flash flooding. In addition, over 50% of all terrorism/WMD acts involve use of explosive devices, all of which can create compromised or/and collapsed structures. Operations in this environment are beyond the typical training scope of most first responders, so supplemental training must be provided to ensure that personnel faced with such responsibilities are adequately prepared to perform essential tasks in a manner which helps ensure the safety of response personnel, victims, and the public. This program utilizes scenario-based learning and incorporates situations involving natural, technological and terrorism-based disasters. Participants will learn how to conduct rescue operations in light frame and unreinforced masonry structures.

This program's content will present 40 hours of a FEMA-equivalent curriculum for the Structural Collapse Technician (SCT) Course using either FEMA or State Urban Search and Rescue Alliance (SUSAR) approved instructors. This course format is the standard training program for FEMA's Urban Search and Rescue Task Forces, and has also been adopted by multiple state USAR organizations and the State Urban Search and Rescue Alliance. Course content meets or exceeds the provisions of NFPA 1670 for operations-level structural collapse rescue activity. This program is a prerequisite for progression to Technician or Level 2 Collapse Rescue training. It is understood that the SCR training program only fulfills only a portion of departmental training requirements for NFPA 1670/technician level operations. To attain full compliance, individual

departments must also undertake and document additional training as described in 1670: Sections 4.4,6.4,7.4, and 11.4.

Course Format

The course will be presented over 5, 8 hour instructional days

Source Materials

- NFPA 1006, 1670
- FEMA Structural Collapse Rescue Technicians Course
- California OSFM Rescue Systems 1 Course
- State Urban Search and Rescue Alliance (SUSAR)

Course Topics: SCR I

- Needs recognition
- Resource identification/planning
- Emergency response for collapse rescue incidents
- Scene control and site management
- Structural engineering systems
- FEMA Structural marking system
- Rescue tool orientation and operation
- Breaching and Breaking
- Structural assessment
- Structural Shoring
- Search Operations
- Safety
- Collapse pattern identification

UT CIS Will Provide

- Instructors experienced in collapse rescue operations and training
- Course texts and A/V materials
- Consultation /assistance with course set up and logistics
- Consumable safety supplies: Dust masks, disposable ear plugs

The City of Crossville Fire Dept. Will Provide

- Appropriate sites for classroom and field exercises
- Course-related tools and equipment
- On site sanitation facilities
- Lumber/building materials for class exercises
- Concrete shapes for “O” course training segment
- Consumable fuels, gases, and materials
- Rehabilitation beverages and snacks if desired

Individual Student Equipment

- Helmet
- Safety glasses or goggles
- Steel toe safety boots
- Work gloves
- Standard work/utility garments with long sleeves
- Kneepads
- Raingear (class conducted during rain showers exclusive of storms)

Course Fees

(1) each : 40-hr SCR1 training class presented to CFD personnel at locations to be determined. Fees include instructional personnel, pre-course consultation and assistance, student materials, PPE per proposal, A/V materials, student certificates and wallet cards.

Class Cost: \$7000