

COURSE SYLLABUS



COLLAPSED STRUCTURE SEARCH AND RESCUE (CSSR)

The purpose of the course is to provide individuals with collapsed structure rescue tasks with the knowledge and skills necessary to search for, stabilize and extricate victims trapped in collapsed structures using the safest and most appropriate procedures.

The CSSR course was developed by the Program for Enhancement of Emergency Response (PEER) with technical support from the Miami Dade Fire Rescue Department in partnership with the Asian Disaster Preparedness Center (ADPC) and funded by USAID Bureau for Humanitarian Assistance. First introduced in Asia in 2001, the course has been the foundation training of Search and Rescue Teams in Bangladesh, India, Indonesia, Nepal, Thailand, and the Philippines.



Who can enroll in the course?

The CSSR course is designed to train Search and Rescue Teams and First Responders. The demographics include Fire Departments, Red Cross/Red Crescent National Societies, Police Departments, Civil Defence, Volunteer Rescue Group, and Disaster Response Forces.

COURSE CONTENT



SAR Planning



Rescue Strategies, Search and Locating Techniques



Basic Onsite Medical Care



Emergency Rescue Shoring Techniques



Breaching and Breaking Structural Collapse



Lifting and Stabilizing Heavy Loads



Structural Triage and INSARAG Building Marking Systems



Final Drill- Structural Collapse Scenario



Course Methodology

CSSR is an eight-day course that is delivered by eight instructors with the help of four assistant instructors using interactive teaching and learning methodologies.

The CSSR course uses a standard training package and methodology that ensures quality and enables graduates to apply the knowledge learned from the course in real-life response operations.

The Adult Teaching methodology makes the learning:

- Competency-Based
- Practical Application
- Participatory
- Performance-Oriented
- Standard & Quality Assured



What will you learn from this course?

The course will prepare you to search, locate, extricate and stabilize trapped victims in a collapsed structure incident. By the end of the course you will be able to:

- Describe the organization and procedures required for initiating a collapsed structure rescue operation.
- Describe and explain the marking system for collapsed structures.
- Mention the security standards that must be followed.
- Name, describe and explain the use and maintenance procedures of the tools, equipment, and accessories used in a collapsed structure operation.
- Explain the different methods for locating voids and the steps to follow in locating possible victims.
- Name and explain the basic techniques for penetrating into a collapsed structure and reaching a victim.
- Describe the medical protocol to follow.



Performance Objectives

Given a simulated collapsed structure and a collapsed structure equipment kit, participants will be divided into groups of 5-6 people.

In these groups, they will search for, locate, stabilize and extricate two victims of a simulated collapse in no more than 4 hours.





Sample Course Schedule

Day 1

08:00 – Registration & Opening Ceremony
08:30 – Lesson 1: Course Introduction
10:00 – Break
10:15 – Course Pre-test
10:45 – Lesson 2: Organizing and Starting a CSSR Operation
12:45 – Lunch
14:00 – Lesson 3: Construction Materials, Structures, and Damage Types
16:00 – Break
16:15 – Daily Course Evaluation

Day 3

08:00 – Post-Test Review: Lessons 4 & 5
08:15 – Safety Briefing
08:30 – Lesson 6: Search and Location Techniques (lecture)
09:00 – Lesson 6: Search and Location Techniques (demo)
10:00 – Break
10:15 – Lesson 6: Search and Location Techniques (practice and evaluation)
11:15 – Prayer time & Lunch
13:00 – Lesson 7: Tools, Equipment and Accessories (lecture)
14:30 – Daily Course Evaluation
15:00 – Refreshment

Day 2

08:00 – Morning Roll Call, Post-test Review Lessons 2 and 3
08:15 – Lesson 4: Structural Triage and the INSARAG Building Marking System
09:30 – Lesson 5: Operational Safety
10:30 – Break
10:45 – Lesson 5: Operational Safety (cont)
11:45 – Lunch
13:00 – Lesson 6: Search and Location Techniques (lecture)
15:00 – Break, Prayer Time
15:30 – Daily Course Evaluation

Day 4

07:30 – Post-Test Review: Lesson 6
07:45 – Lesson 7 (cont'd.) Practice & Evaluation
09:15 – Break
09:45 – Lesson 7 (cont'd.) Practice & Evaluation
13:15 – Lunch
14:30 – Lesson 7 (cont'd.) Practice & Evaluation
16:00 – Break
16:30 – Tools Rehab
17:00 – Daily Course Evaluation

Day 5

07:30 – Post-Test Review: Lesson 7

07:45 – Lesson 8: Rescue Strategies and Techniques

09:45 – Break

10:00 – Lesson 8 Practice & Evaluation: Breaking and Breaching Techniques

12:30 – Lunch

14:00 – Lesson 8 Practice & Evaluation: Breaking and Breaching Techniques

16:30 – Break

17:00 – Tools Rehab

17:30 – Daily Course Evaluation

Day 7

07:30 – Post-Test Review: Lesson 9

08:00 – Lesson 10: Lifting and Stabilizing Loads

09:00 – Lesson 10 (cont'd.) Demonstration

10:00 – Break

10:30 – Lesson 10 (cont'd.) Practice & Evaluation

11:30 – Lunch

13:00 – Lesson 10 (cont'd.) Practice & Evaluation

14:00 – Tools Rehab

14:30 – Break

15:00 – Daily Course Evaluation

Day 9

00:00 – FINAL PRACTICAL EXERCISE: Preparation, Notification and Instructions

06:00 – Post-Test Review: Lesson 11

06:15 – Phase 1

07:00 – Phase 2

07:45 – Phase 3

12:30 – Working Lunch (continue exercise)

14:00 – Phase 3 (cont'd.)

15:00 – End Final Practical, Tool Rehab

16:15 – Final Course Evaluation, Course Results

17:00 – Closing Ceremony

Day 6

07:30 – Post-Test Review: Lesson 8

08:00 – Lesson 9: Shoring Methods

10:00 – Break

10:30 – Lesson 9 (cont'd.) Practice & Evaluation

12:30 – Lunch

14:00 – Lesson 9 (cont'd.) Practice & Evaluation

16:00 – Break

16:30 – Tool Rehab

17:00 – Daily Course Evaluation

Day 8

07:30 – Post-Test Review: Lesson 10

08:00 – Lesson 11: Pre-Hospital Treatment

09:30 – Break

09:45 – Safety Briefing

10:00 – Lesson 11: Practical

11:30 – Lesson 12: Course Review

12:30 – Lunch

13:30 – General Course Post-Test

14:30 – Daily Course Evaluation

14:45 – Instructors Prepare for Final Practical Exercise

Contact us:

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