



RESCUE SOUTH AFRICA

DISASTER RESPONSE

STRUCTURAL COLLAPSE RESCUE

Preamble

The instructors that will be presenting this program are considered specialists in the field.

Intended Audience

This course is designed for any persons who in the course of their normal duties would be required to assess, enter and rescue patients from a collapsed structure.

Desired Outcome

After being assessed as competent the candidate will be able to operate as an integral part of a team that undertakes rescue operations in collapsed structures. Candidates will be assessed at a technician level and will be required to demonstrate shoring systems, tool operations and a sound theoretical knowledge. Candidates will also be familiar with team deployment on a regional, national and international basis.

Duration:

10 Days

Min/Max No of Delegates:

8/12

Course Prerequisites

The candidate should be competent in High Angle 2, Confined Space, Trench Rescue and Hazmat rescue. Grade 12 (NQF4) certificate or equivalent ABET / RPL recognition. Medical certificate indicating that you are in good health. Successful completion of the institutions physical fitness assessment.

Core Content

Safety in the collapse environment.
Basic building construction types.
The sequence of structural collapse rescue.
Building shoring systems.
Metal and concrete breaching, breaking and cutting.
Heavy lifting and moving (including crane operations).
Basic, technical and canine search operations
Scenario based training.
Candidates will be required to perform all the roles required during a rescue scene (command, tool technician, search technician, medic and gopher).

Course Details

Structural collapse is without a doubt one of the most technical and challenging field of rescue and should not be undertaken by individuals without the necessary expertise and experience. The aim of this module is not to

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turn you into an independent structural collapse technician but rather to serve as a foundation for further studies into this area.

It is envisaged that that in due course in consultation with experts in the field there will emerge a Structural Collapse II Module. This first module should however enable you to safely and effectively participate as a member of a structural collapse team to rescue a person from a structural collapse incident without you yourself becoming a victim.

The academic and practical standards of this course are in line with those of the Tertiary Medical Rescue Technology Courses offered as part of the National Diploma Emergency Medical Care, and as such fulfil the specified SAQA outcomes for this field. Each section has been carefully designed to provide you with important learning tasks and experiences, each of which is linked to an expected learning outcome.

On completion of each section it is important that you refer to the expected learning outcomes stated at the end of the section and ask yourself: "have I achieved all the outcomes as stated?" If the answer is no then the onus is on you to approach your lecturer and or revisit the learning content to ensure that remedial intervention is initiated.

It cannot be over emphasised that you will be assessed both during the module and on completion thereof in order to measure to what extent you have achieved the learning outcomes as stated. Simply put; the assessment criteria are directly linked to the various learning outcomes, failure to achieve the learning outcomes will result in you having to repeat the module.

A word on safety

Safety is everyone's concern not only the instructors! Since most accidents involve basic errors your attention is drawn to the following:

- (1) You will be heavily penalised if the instructor has to continuously correct safety errors.
- (2) You will be penalised should you fail to inspect your equipment prior to use
- (3) You are obliged to immediately report all lost and or damaged equipment to your lecturer.

About the patient

As an aspirant rescue practitioner you are once again reminded that the central focus of any rescue incident is the patient and not the rescue operation. All scenarios will involve a patient and should appropriate medical management according to your registered scope of practice not be applied or provided, you will fail the assessment (regardless of how well your rescue operation was conducted).

Course Outline

Section A	Introduction to structural collapse rescue
Section B	Hazards
Section C	Specialised Equipment
Section D	Incident management
Section E	Assessment