Hands-On

Rope Access SPRAT or IRATA Level III

Level III Certification

Course Description

The safety and efficiency of industrial rope access operations depend on an organizations commitment to successfully implement three key components
1) Good Training
2) Appropriate Equipment
3) Experienced Supervision.

-Level I Worker is qualified to work under appropriate supervision
-Level II Technician is qualified to rig rope access systems and perform most rescues.
-Level III Supervisor carries ultimate responsibility for the jobsite.

This Hands-On course is intended to prepare attendees for the SPRAT or IRATA Level III Technician certification. Level III focuses on team leadership skills and job safety management skills, including advanced rescue scenarios and advanced rigging.

Students Will Learn

- **Evaluate the Safety of Rope Access Equipment and Systems**
- **Perform Basic and Advanced Access Techniques**
- **Understand Fundamental System Analysis**
- **Establish Anchor Systems**
- **Efficiently Perform Standard Rescue Procedures using Mechanical Advantage and Lowering Systems**
- **And More...**

Target Audience

Anyone pursuing their Level III Certification and needing more advanced training for Rope Access.

Prerequisites

Attendees seeking certification to SPRAT or IRATA Level III Technician must have appropriate previous industrial rope access experience (current SPRAT requirements are 1000 hours and IRATA requirements are 2000 hours). Participants will be asked to perform moderate to strenuous activities. A physical examination by a doctor is strongly recommended. Candidates will be required to sign a Liability Release Form and a Statement of Medical Condition confirming the absence of known medical conditions that might preclude their ability to safely work at height.

Course Outline

Module I: Safety Standards and Documentation

Review of Guidelines for Rope Access Work and relevant legislation
Qualifications and responsibilities required of each level of Rope Access Technician
Using the hierarchy of risk the choose the best methods of access and fall protection
Reviewing team members documentation including experience logbooks, equipment logs, and job hazard analysis
Insuring consistent safety checks among team members
Insuring proper and effective communication between team members
Establishing Access, Hazard, and Safe Zones
Insuring that the employers equipment management program is carried out.

Module II: Systems Analysis and Rigging

Review fundamental knots and reinforce advance knots (e.g. munter/mule)
Refine advanced rigging skills (structural and load sharing/distributing multi-point anchoring) taking into account fall line, rigging angles, area of work, and terrain
Pre-rigging anchors for lowering or pull-through
Discussion of anchor installation/testing
Analysis of rope access systems, including fall factors, impact forces, and resultants

Module III: Technical Rope Access Skills

Brief review of fundamental skills including passing knots, deviations, and intermediate anchors (re-belay), rope to rope transfer and horizontal aid climbing.
Risk assessment for vertical aid climbing.
Structure climbing: Overview of horizontal/vertical lifelines, shock absorbing Y-lanyards, and other standard fall protection systems

Module IV: Rescue Skills

Risk management & rescue protocol
Managing suspension trauma
Single person rescue pick-off of a descending and ascending casualty (including 1:1 pick off with foot loop)
Descending with casualty past obstructions (redirect, knots, and rebelay)
Mechanical advantage systems utilizing standard equipment and pulley systems
Pitch-head hauling
Rescue hauling w/rescue rope
Rescue from aid traverse
Cross-hauling

High-line and guideline rescue systems

Delivery Method

Instructor-Led with numerous Hands-On labs and exercises.

Equipment Requirements

(This apply's to our hands-on courses only)

BTS always provides equipment to have a very successful Hands-On course. BTS also encourages all attendees to bring their own equipment to the course. This will provide attendees the opportunity to incorporate their own gear into the labs and gain valuable training using their specific equipment.

Course Length

5 Days