Rope Rescue Technician
(CSFM/Cal OES & NFPA Technician Level)

Course Overview
A 5-Day course meeting current National standards for the NFPA 1670 and 1006 requirements for Technical Rope Rescue Technician. With LARRO & RS-1 as pre-requisites, this course focuses on a higher level of technical rope rigging systems, incident management, high-Angle Rescue associated hazards, critical thinking, implementation of victim access options and rescue transport options. Focus is on team coordination and individual skill set performance outlined by the NFPA.

Day 1: 9am - 6pm Lecture & Fundamentals of Low to High Angle Rescue Rigging - Hotel Conference Center and Chico Park Location TBA
Rope Rescue Theory, Pre-Planning, Remote Area Incident Mgmt, Harnesses, Stokes Lashing, Knots & Anchors, Hardware and Software Rescue Equipment, Intro to M/A Systems, Components and Set-up of the RPM.

Day 2-3: 8am - 6pm Intermediate Rope Rescue Rapelling, Raising & Lowering Sys - Chico Bidwell Park

Day 4-5: 8am - 6pm Intermediate to Advanced High-Line Rigging Sys & Rescue Scenarios - Butte Creek Canyon

Logistics
www.code3rescuetraining.com
530-727-8550
Student Requirements

1. Students must be 18 years.
2. CSFM Low-Angle Rope Rescue (Operations) & Rescue Systems-1 are required before taking this class.
3. Students must have personal medical insurance or department insurance coverage.

Personal Protective Gear

Students will need to furnish their own Class III Certified full body harness, Helmet and Gloves. We have limited harnesses and helmets available for you if you cannot provide your own.

Field attire: Hiking boots with ankle support, Loose fitting jeans or cargo pants are good for harness wear, and some kind of element/thermal wear appropriate or the season. Long sleeves or a light brush coat is recommended for abrasion resistance. Class will be taught "rain or shine", so make necessary provisions.

Footwear: Slopes are steep, unstable and rocky, so hiking or wildland fire boots are recommended. Lightweight hiking boots also work well.

Gloves: You will need to supply your own leather gloves for Rope Rigging and Rapeling Evolutions.

Additional Items to Consider:

- Note Taking materials
- Ice Chest and/or Thermos for hot drinks
- Lots of hydration fluids: A gallon of water and several sports drinks per day, per person.
- Sun Screen!!!
- Hat & Sunglasses
- Camera/GoPro
- TechNu/Zanfel for Poison Oak
- Portable Camping Chair
- Thermal clothing and jacket for winter months
Curriculum Breakdown

Day 1: 9am to 5pm Introduction to Intermediate Rope Rescue Rigging Skills

- Introduction & Course Logistics, Overview Rope Rescue Theory
- NFPA Standards 1670, 1006, 1983
- Rescuer Safety: 10 and 18 of Rope Rescue, Building Intermediate safe rigging systems
- Personal and Team Equipment, Signal Commands, Rescue Terminology/Safety
- Incident Management & Pre-Plan, Incident Size-Up and ICS System
- On Scene Safety and Site Control
- Remote Area Search and Rescue Techniques
- Equipment and Rope Care and Maintenance
- Rope & Webbing: Construction, Care, Maintenance, Safety Inspection, Usage Log
- Harness: Care/Maint., Manufactured Class, Personal Harnesses (Webbing and Pre-Rig), Swiss Tied (Upper & Lower), Hanson, Hasty
- Review Review Hitches: Munter, Prissik, Clove, Klemheist, Bachman, Italian Braid, Dbl Half-hitch
- LUNCH (Restaurant in town for first day)
- Hardwear: Carabiners, Pulleys, Break Rack, Gibbs, 8-Plates, Jumars, Kootnay, Collection Plate, Swivels, 540RQ Belay
- Review Anchor Options: Natural (Trees, Rocks) & Artificial (Vehicles, Pickets, Structures)
- Single Point Anchors: Strength, Placement, No Knot, (Single bight, 3-bight, Wrap-3-2, Girth Hitch), Pre & Tensioned Back-Tie Off
- Multi-Point Anchors Systems: Self-Equalizing, Load Sharing, Lifeline Anchors
- Load Release Hitch: (LRH) Webbing & Rope
- Mechanical Advantage: Simple and Compound Systems 1:1 COD, 2:1,3:1, 4:1 Pig, 5:1, 6:1, 9:1, 12:1
- Patient packaging

Day 2-3 7:30 am to 5pm Intermediate Rigging Systems Focus: High Angle Rappel, RPM Raising and Lowering Systems, High Angle Victim Pick-Off’s

- Belay Friction Control Lowering Systems: Breakrack, 8-Plate, Prisiks, Mechanical Cam devices Munter Hitch, Belay Falling Load, Self Belay
- Bridge Rappel
- Rope Ascending Techniques
- High-Angle Mechanical Advantage Lower & Raising Systems: Simple, Compound, COD, Calculating M/A 3:1,4:1,5:1,9:1, Pig-Rigging, Haul Team Methods
- RPM System: Usage and Change Over
- Rigging System Safety Checks
- Victim cliff face Rescue Pick-Off’s

Day 4-5 8am to 5pm Advanced Rigging Systems Focus: High-Angle Stokes Management and Use of High-Line Systems

Focus: Advanced Rescue Swimming Tactics, Advanced Rescue Rigging Systems, Victim Contact Rescues, Rescue Scenario Performance

- Stokes Litter Rigging for High-Angle Rescue: Patient Packaging, (Backboard & Stokes Litter Rigging) Securing Load, Attendant Mgmt Methods
- High-Angle Lower and Raising System: Horizontal Stokes w/Attendants, (2 Line Sys)
- High Line Tyrolean System: Set up and Use with Stokes Litter, Attendant, RPM Locomotion for descent control and raising system
- Test: Written
- Closing: Clean-Up and Certificates, Class will end approximately 4:30 for travel planning.
Cancellation Policy

If you absolutely cannot attend, your tuition will be refunded only if cancellation is made 14 days prior to class start date, No exceptions please, ie. (Funerals, Weddings, Personal Illness, Employer Conflicts). Cancellations after this time period are non-refundable and cannot be credited to another course. *You may have someone else attend in your place. Class sizes are kept small for quality "one-on-one" training but our courses require a minimum number of personnel for safety and team effectiveness. Therefore, students dropping at the last minute could jeopardize the course numbers resulting in the cancellation of the class for all others scheduled. However, you will be refunded in full if the class has been cancelled by the instructor.

Certified Training: NFPA & CSFM

We have been training professional rescuers from all over the California and the Western United States since 1997. Upon completion, students will receive certification meeting the National Fire Protection Association 1670 & 1006 standards for rope and water rescue guidelines for the “CSFM Rope Rescue Technician”, “Swiftwater and Flood Rescue-1 “Operations Level” & “Technician Level” certificate. Additionally, students will receive the California State Fire Marshal’s Office FSTEP "River and Flood Water Rescue" certificate. Course is taught by a certified, State Fire Training Officer and also meets the CSFM River and Flood Rescue Operational curriculum. This course exceeds qualifications to meet Federal, State and Local-government Fire/Police/USAR Team standards for urban and remote-area technical rope rescue. With safety as our highest priority, our mission is to provide an innovative, thorough and concise technical rescue training program, focusing on quality control! We are experienced, line-of-duty firefighters who regularly respond to these types of emergencies teaching and passing on our heritage.