

***Snohomish County Fire Chiefs Association***

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**Snohomish County Technical Rescue  
Guidelines and Mobilization Plan**

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**A. INTRODUCTION**

The Snohomish County Technical Rescue Task Force Guidelines and Mobilization Plan was developed by the Technical Rescue Committee of the Snohomish County Fire Chiefs Association and the Emergency Services Coordinating Agency. This Committee’s intent is to bring together the expertise and resources of fire agencies with technical rescue capabilities in a cooperative and coordinated effort. This document is designed to work in conjunction with the Snohomish County Fire/EMS Resource Plan, the Northwest Region Fire Resource Mobilization Plan and the Washington State Fire Mobilization Plan.

**B. PURPOSE**

The purpose of the Snohomish County Technical Rescue Task Force Guidelines and Mobilization Plan is to provide rapid access and coordinated deployment of technical and specialized resources for use in incidents of significant proportion or complexity that require assistance beyond local capability.

**C. ORGANIZATION AND ADMINISTRATIVE PROCEDURES**

**1. Agencies**

By mutual agreement departments and supporting agencies may be a part of the Technical Rescue Task Force. Participating agencies shall provide trained technical rescue responders, apparatus, equipment and supplies (see minimum requirements beginning on page 13). All Technical Rescue Task Force personnel will participate in technical rescue training and response activities. Participating agencies include ..... Non Participating agencies may draw upon these resources through existing mutual aid agreements.

**2. Technical Rescue Joint Board**

Members of the Technical Rescue Joint Board shall be the Fire Chief or designee of each participating department, the Emergency Services Coordinating Agency Director, and the Snohomish County Department of Emergency Management Director. The Joint Board shall determine matters of administrative procedure, policy, grants administration, coordination of equipment purchases and overall program direction. Each member agency shall have one vote on the Joint Board. The Board will normally meet on a quarterly basis; special meetings may be held. Notice of meetings will be made to member agencies by the Technical Rescue Joint Board Chairperson.

**3. Chairperson**

The Chairperson of the Joint Board shall be elected by the Joint Board and serve a two year term. The chairperson shall be from a participating agency and shall facilitate meetings and provide for, and distribute meeting minutes.

The Chairperson, is responsible for ensuring that changes in plans, operating procedures and training requirements are included in annual Technical Rescue Task Force training.

**4. Vice Chairperson**

The Vice Chairperson is an administrative position appointed by the Chairperson and confirmed by the Joint Board. The Vice Chairperson shall coordinate the development of, and ensure the quality and currency of emergency operations plans and procedures that effect the operations of the Technical Rescue Task Force.

The Vice Chairperson shall serve as liaison between the Joint Board and the Technical Rescue Task Force. The Vice Chair shall insure that communications between the Technical Rescue Task Force Members and the Joint Board are maintained and that the needs of the participating departments are being met.

**5. Technical Rescue Task Force Coordinator(s)**

Technical Rescue Task Force Coordinator(s) is an administrative position that coordinates Technical Rescue Task Force activities. The Coordinator(s) shall be selected from among the Task Force Members annually. Each participating agency shall select a coordinator for their respective Task Force members.

A Coordinator shall serve as chairperson at Technical Rescue Task Force meetings. The Coordinator(s) may assign tasks and areas of responsibility to Technical Rescue Task Force Members as necessary and will coordinate follow-up and completion of assigned tasks.

The Coordinator(s) shall be responsible for the development of the annual budget as it relates to technical rescue supplies and equipment, and maintenance of technical rescue vehicles.

The Coordinator(s) shall be responsible for maintaining a current inventory of materials and equipment carried on the technical rescue vehicles along with an adequate stock of disposable supplies.

## 6. **Task Force Member Qualifications**

Task Force Members shall meet training requirements in accordance with NFPA 1006 Standards for Rescue Technician Professional Qualifications and 1670 Operations and Training for technical rescue incidents.

Certification of Task Force Members as Technical Rescue Technicians and Specialists shall be the responsibility of each Task Force members department or agency. Each individual member of the Task Force and their department or agency shall maintain records of Technician and Specialist certification and refresher training.

## 7. **Training**

All personnel participating shall meet all training requirements for their respective area in accordance with NFPA 1006. Each participating department shall certify that all training standards and annual refresher training requirements have been met by participating Task Force, or Specialized Resource Task Force Members.

It shall be the responsibility of the Chief of each participating agency to ensure that all appropriate technical rescue personnel receive training on the contents and operational concepts of this plan.

Periodic training, exercises and drills will be held in order to evaluate the effectiveness of procedures and to determine future training needs.

### **Rescue Technician Training Requirements:**

**Confined Space Rescue Technician Level:** 32-40 hours. Provides training for making entries in horizontal and vertical spaces.

**Rope Rescue Technician Level:** 50-60 hours. Provides training in self rescue, anchors, anchor systems, ascending/descending, build and run, lowering, raising and rescue load belay systems.

**Trench Rescue Technician Level:** 24-40 hours. Provides training in shoring, panel and extrication with wood, pneumatic and hydraulic shoring equipment.

**Rescue Systems I:** 40-50 hours. Provides training in the recognition of hazards associated with different types of structural collapses. Skills include lifting heavy objects, shoring windows, walls and doors and constructing simple lowering/raising systems with ropes and ladders.

**Water Rescue Awareness Level:** 4-8 hours. Provides training in the recognition of hazards associated with surface water, moving water and ice conditions and working knowledge of water rescue tools.

**Vehicle and Machinery:** Vehicle and machinery extrication and rescue is considered standard training for all Snohomish County Fire Agencies. This training is required to meet the requirements of all technician level Technical Rescue Task Force Personnel. This rescue element is not further included in the operational concepts of this plan.

**Specialties:**

**Rescue Systems II:** 40 hours. Training includes breaking and breaching and use of advanced rescue equipment.

**Structural Collapse Rescue Technician:** 80 hours. Training includes advanced skills relating to shoring and breaching of reinforced masonry construction.

**Swiftwater Rescue Technician:** 30 hours initial and 30 hours advanced. Training includes making in-water contact rescues after shore based options are ruled out.

**Helicopter Operations:** \_\_\_\_ hours. Training includes safe operations around rotary winged aircraft, loading/unloading equipment, traveling as a crew member, helicopter rappelling, short hauls and water insertions.

**Ice Rescue Technician:** 10 hours. Training includes entry into frozen bodies of water with proper personal protective equipment.

**Wilderness Search and Rescue:** RCW 38.52.400 designates wilderness search and rescue responsibilities to the chief law enforcement officer of each political subdivision. In Snohomish County, the Sheriff's Office manages the Snohomish County Search and Rescue Organization. It is recognized however, that some fire agencies have personnel trained in wilderness rescue operations. In all types of wilderness rescue incidents, the potential exists for extenuating circumstances that would require expertise beyond the normal capability of the organization to safely operate. Each fire agency shall be responsible for evaluating the level of response capability within their respective agency and coordinating rescue efforts with Snohomish County Search and Rescue as appropriate to the specific situation. Training for firefighters involved in wilderness rescue incidents shall meet NFPA 1670 Chapter 8 Standards.

The Wilderness Search and Rescue specialty shall be at the discretion of, and limited to the specific jurisdiction. It is therefore not further included as part of, or in the operational concepts of this plan.

## **8. Technical Rescue Task Force Training Committee**

A training committee shall be appointed by the Joint Board. It shall include members from participating departments and supporting agencies who are certified technical rescue instructors. The committee will be responsible for planning and coordinating training activities and developing written operating guidelines for training and response, and incorporation into this plan. The Training Committee will coordinate scheduling with the Snohomish County Training Officers.

## **D. TECHNICAL RESCUE TASK FORCE MEMBERSHIP**

### **1. PREREQUISITES – TECHNICIAN LEVEL**

- a. Technician level task force members shall be trained to NFPA 1006 and 1670 standards in the “Core Technician” requirements including Confined Space Rescue, Vehicle and Machinery, Rope Rescue and Trench Rescue and Rescue Systems I and Water Rescue Awareness Level.

### **2. PREREQUISITES – SPECIALIST LEVEL**

- a. Six categories of “Specialist” shall be included in the Technical Rescue Task Force.
  - Structural Collapse Rescue (includes all technician requirements and Rescue Systems II or equivalent)
  - Surface Water Rescue
  - Swift Water Rescue
  - Ice Rescue
  - Heavy Machine Rescue
  - Helicopter Operations

All “Specialist Level” Task Force Members shall meet Technician Level training standards and competencies for their respective specialty.

- b. Technical Rescue Safety Officer Specialist shall have a minimum of 3 years experience as a rescue technician. The Safety Officer Specialist shall complete all technician level competencies and specific specialist competencies if serving as a Safety Officer for specialist level responses. Safety Officer Specialist training includes 24 hours of Incident Safety Officer training.

- c. Technical Rescue Task Force Leader Specialist shall have a minimum of 3 years experience as a rescue technician. The Task Force Leader Specialist shall complete all technician level competencies and specific specialist competencies if serving as a Task Force Safety Officer for specialist level responses. Additional requirements for Task Force Leader Specialist include Incident Command for Technical Rescue.

### 3. ANNUAL CONTINUING TRAINING REQUIREMENTS

- a. Technician and Specialist Task Force Members shall attend a minimum of 4 department or zone drills annually.
- b. Technician and Specialist Task Force Members shall complete a practical skills assessment administered annually by qualified members of the Technical Rescue Task Force Training Committee. Task Force Members shall meet all competencies for their respective category(ies).
- c. Training outside of local and regional drills may be substituted for a portion of annual drill requirements. Outside training shall be evaluated by the Technical Rescue Task Force Training Committee for training credit.

### 4. FAILURE TO MEET TRAINING REQUIREMENTS

- a. Personnel who fail to meet the annual training requirements shall be reported to the Chief of their respective department for action.

## E. DEFINITIONS

**Assembly Areas** - Pre-arranged meeting areas/locations in various locations throughout the county where all designated responders, strike teams, and task forces assemble before responding as a group.

**Specialized Resources** - Individual resources which may be called to respond without a task force deployment.

**Staging Area** - An area near the incident that is either pre-determined or designated by the Incident Commander for locating resources to be used at the incident scene.

**Task Force** - A group or combination of unlike resources that have common communications and a Task Force Leader.

**Task Force Leader** – A member of the Technical Rescue Task Force meeting “Specialist Level” requirements who serves as an operational lead. See page 6  
Prerequisites – Specialist Level

**Team Leader** - The command officer with experience in the command of multiple companies in charge of the task force from the deployment to conclusion of the mission.

**Technical Rescue Task Force Response** - Deployment of all on duty Technical Rescue Task Force Members from multiple Fire Resource Zones within the county.

**Technical Rescue Zone Response** - Deployment of on duty technical rescue resources from within a specific Fire Resource Zone.

## **F. MOBILIZATION – WITHIN SNOHOMISH COUNTY**

The Incident Commander shall have the authority to request a Technical Rescue Zone Response for incidents occurring within Snohomish County. The responding Task Force Technicians may upgrade to a Technical Rescue Task Force Response as they deem appropriate based on incident knowledge.

Requests for full Technical Rescue Task Force mobilization shall occur only after Zone resources have been exhausted or it has been determined by the Incident Commander that the incident is, or will reach a large scale, or be long in duration. Staffing levels and shift relief shall be taken into consideration when requesting mobilization of technical rescue resources.

Request for mobilization of resources from outside the county shall be requested in accordance with the Northwest Regional Fire Resources Plan or the Washington State Fire Mobilization Plan.

The Emergency Services Coordinating Agency (ESCA) and the Snohomish County Department of Emergency Management (DEM) shall be notified when there is a request for mobilization.

The Fire Chief or designee will request activation of the ESCA/DEM EOC when resources from outside the county are required. The EOC will provide for the coordination of incoming resources. The EOC will request, track, and provide for initial deployment to designated staging areas of incoming resources used at Snohomish County events.

Once mobilization is requested, all agency requests for outside resources shall be through the County Fire Resource Coordinator or EOC by the Incident Commander or designated on-scene command staff member.

## **G. MOBILIZATION – OUT OF COUNTY**

### **1. OPERATIONAL CONCEPTS.**

Requests for resources from agencies outside the county shall be made in accordance with the Northwest Region Fire Resource Mobilization Plan or the Washington State Fire Mobilization Plan.

The Emergency Services Coordinating Agency (ESCA) and the Snohomish County Department of Emergency Management (DEM) shall be notified when there is a request for mobilization.

Any Snohomish County technical rescue agency receiving direct requests for resources from agencies outside the county and/or beyond routine operations shall refer the requesting agency to the respective Zone Dispatch Center, County Fire Resource Coordinator or Emergency Management to initialize mobilization.

When requested by Emergency Management, the County Fire Resource Coordinator will provide personnel to supplement EOC staff and assist with coordination activities. Other technical rescue agencies may provide EOC support upon request. The purpose of the EOC is to relieve command staff of additional workload and allow for the most efficient use of technical rescue resources. The EOC does **not** direct strategic or tactical on-scene operations.

No jurisdiction shall be required to respond to mobilization requests or forego their own jurisdictions public safety needs.

### **2. INITIAL DEPLOYMENT**

Initial deployment shall be as a Technical Rescue Task Force with a Team Leader in accordance with the Snohomish County Fire/EMS Resource Plan. The Zone Dispatch Center or Emergency Management shall be the focal point for the request and initial allocation of resources beyond those available through mutual aid.

The EOC will request and provide for initial deployment of local resources requested by outside jurisdictions and agencies for events outside of Snohomish County.

The Incident Commander or Staging Area Commander shall be responsible for the management of all personnel and equipment resources once they have reached the staging area and are available for direct deployment to the incident.

Technical Rescue Task Forces, once deployed, shall, as much as practical, remain within their Task Force under the direct control of the Task Force Leader.

The Zone Coordinator shall determine the appropriate assembly point for personnel and equipment called for mobilization. See Page 10 - Assembly Areas

When requested, personnel will proceed to the designated assembly point and deploy as directed with their Task Force Leader.

Upon arrival at the incident staging area the Team Leader shall report to the Staging Area Commander who shall provide incident location assignments.

Upon arrival at the incident scene the Team Leader shall report to the Incident Commander for strategic briefing and tactical assignments.

### **3. STAGING AREAS**

The Incident Commander shall be responsible for the designation of a local staging area. The staging area will be used to assemble incoming resources and for the distribution of equipment and supplies. This may be at the incident scene or at another appropriate location nearby.

The following should be considered when designating staging areas: adequate space for staff; resources; rest areas; feeding space/capability; and sanitation/shower facilities.

### **4. ASSEMBLY AREAS**

Deployment outside of Snohomish County shall be in accordance with the Northwest Region Fire Mobilization Plan. Three assembly areas are designated for personnel and resource deployment to jurisdictions outside of Snohomish County.

South:           Snohomish County Fire District 1  
                    12310 Meridian Ave.  
                    Everett, WA 98208

North:           Skagit County Department of Emergency Management  
                    2911 E. College Way  
                    Mount Vernon, WA 98273

East:                Snohomish County Fire District 3  
                          163 Village Court  
                          Monroe, WA 98272

## **H. MANAGEMENT CONTROL**

On-scene management of emergencies will follow the Incident Command System. The functions of the Incident Command System include but are not limited to:

**Incident Commander** - Directs on-scene operations.

**Safety Officer** - Oversees safety of operation at the scene.

**Liaison Officer** - Coordinates information with support function groups and the Emergency Operations Center.

**Public Information Officer** - Coordinates media relations and emergency public information.

**Operations Section** - Implements strategic and tactical actions at the incident scene.

**Logistics Section** - Responsible for communications, transportation, supplies and special equipment.

**Planning Section** - Responsible for situation and resource status reports, documentation, incident planning, technical advisors, demobilization.

**Finance Administration** - Responsible for contracts, time keeping, cost analysis, compensation, claims.

The Incident Commander is the on-scene manager responsible for direction and control of the incident. The Incident Commander shall utilize the positions within the Incident Command System as deemed necessary to adequately manage the incident. The Incident Command System should be activated to the level necessary for efficient operations. It is the responsibility of the Incident Commander to:

Assess the situation.

Develop incident organization objectives, action plans and priorities.

Ensure safety issues are addressed.

Request necessary resources.

Coordinate with the Emergency Operations Center and provide incident information and resource needs.

Technical rescue operations are complex in nature and may require adjustments to equipment and staffing. It is the responsibility of the Incident Commander to adjust the response in accordance with the situation when specific command guidance and policy directives are inadequate or unavailable.

Command posts shall be established for the coordination of field operations. Collocation of command posts will be the preferred method of field operations when multiple departments/agencies have command posts established.

The Incident Commander of the requesting agency shall be in charge of all operational and tactical activities unless command is officially delegated to another agency.

All Task Forces shall have a Task Force Leader who responds with the Task Force. The Task Force Leader shall be responsible for his/her Task Force from the time of deployment from the assembly point through demobilization in accordance with established procedures.

The Task Force Leader is responsible for directing tactical assignments. The Task Force Leader maintains reports and records for the Task Force and reports work progress, resource status, and other pertinent information to the appropriate command officer.

All out of county Task Force deployments require a Task Force Leader Specialist in addition to the Team Leader.

Key personnel designations shall be assigned by the Incident Commander in accordance with the operational procedures of the jurisdiction in which the incident occurs.

## **I. COMMUNICATIONS**

Communications and emergency notifications shall be through the established channels of the jurisdiction in which the incident occurs.

A Field Communications Post may be established as necessary for mobilization events. A Field Communications Officer may be assigned by the Incident Commander to remain at the Post and be continually available for communications.

## **J. TRANSPORTATION**

Each department providing personnel and resources for a mobilization shall be responsible for transportation to and from the assembly or staging area as appropriate.

#### **K. LOGISTICS SUPPORT**

Emergency Management may establish personnel support areas at incident staging areas or other appropriate location, for incidents anticipated to be 8 hours or longer in duration. The support area shall include: Food, water and sanitation facilities. Rest and sleeping areas may be provided as needed by the nature, location and duration of the incident.

When requesting mobilization support from Emergency Management the following information must be provided:

- a. Exact resources needed, equipment, personnel etc.
- b. Location of staging area and command post.
- c. Name of Staging Area Commander and Incident Commander.
- d. Contact phone and/or radio for Incident Commander.
- e. Incident description, including information on anticipated duration if available.

Personnel used to support these services may include Chaplains, Reserves, Part Paid, Citizen Corps, Cadets, Support 7, RACES and volunteer agency personnel.

Equipment and supply areas may be established at base according to the needs of the incident.

The host agency shall be responsible for the cost of supplies and equipment utilized for logistics support.

#### **L. COST RECOVERY**

The tracking and documentation of personnel and resources for cost recovery shall be the responsibility of each participating technical rescue agency.

The Team Leader shall be responsible for on-scene documentation and record keeping of all personnel and apparatus and equipment.

Emergency Management shall gather cost recovery data from all participating agencies and submit cost recovery documentation when appropriate, to the reimbursing party or agency.

Costs associated with a mobilization shall be the responsibility of the responding agency except in cases where private, state or federal reimbursement is made available for the incident.

## **M. COMPOSITION OF TECHNICAL RESCUE RESOURCES**

### **1. TASK FORCES**

**Confined Space Rescue Task Force** – The Confined Space Rescue Task Force consists of a minimum of 19 personnel including:

- 1 Team Leader
- 1 Task Force Leader Specialist
- 1 Safety Officer Specialist
- 1 Entry Officer
- 1 Ventilation/Atmospheric Monitor (Haz-Mat Technician)
- 2 Entry Team
- 2 Back up Entry Team
- 1 Air Systems/Communications Manager
- 1 Quarter Master Rescue Equipment Officer
- 4 Attendants
- 1 Rigging Manager
- 2 Haul Team Riggers
- 1 Medical (paramedic)
- Support personnel as available

#### **Equipment :**

- 4 - SABA w/10 minute escape packs
- 4 - class III rescue harnesses
- 2 - air manifolds with minimum 4 spare air cylinders
- Rope rigging gear (main, belay, rigging gear bags)
- Rescue tripod
- 4:1 Pre-rigged haul system
- Confined space communications system
- Personal protective equipment (nomex coveralls, gloves, hood, low profile helmet w/chin strap, knee pads, elbow pads)
- Intrinsically safe lighting for all personnel
- Patient air supply
- Patient movement/extrication device
- 2 - Four gas air monitors
- 1 - 12"-14" straight ladder

- 1 Folding attic ladder
- Electric ventilation fan with ducting
- Lockout/tagout kit
- Confined space entry permit
- Incident Management System kit for technical rescue

### **Confined Space Rescue Zone Response Package**

A Zone Response Package is the manpower and equipment available within a Zone that can be deployed within the first 30 minutes to perform a rescue. This package is based on the use of first responder units to assist Technical Rescue Task Force members.

This initial response group may perform a simple horizontal entry with one in and two out as back-up. If an adequate number of first responders are available on scene to provide support a simple vertical access rescue may be performed. The victim can be moved and packaged with only one rescuer in the space if extensive rigging techniques are not required.

#### **Minimum Task Force Personnel:**

- 1 Task Force Leader / Entry Officer
- 1 Safety Officer Specialist
- 1 Entry Rescuer
- 1 Back-Up Rescuer
- 1 Air / Comm. Mgr.
- 1 Rigger / Attendant / Monitoring

#### **Minimum Equipment:**

- 2 SABA w/10 minute escape packs
- 1 Air manifold with minimum 2 spare air cylinders
- 2 Class III harnesses
- Rope rigging gear (main, belay, rigging bags)
- Rescue tripod
- 4:1 Pre-rigged haul system
- Confined Space Communications System
- Personal protective equipment (Nomex coveralls, gloves, hood, low profile helmet, knee pads, elbow pads)
- Intrinsically safe light for entry team members
- Patient air supply
- Patient movement/extrication device
- Four gas air monitor
- Electric ventilation fan with ducting
- Lockout/tagout kit

- Confined space entry/rescue permit
- Incident Management System Kit for technical rescue

**Rope Rescue Task Force** – The Rope Rescue Task Force consists of a minimum of 15 personnel including:

- 1 Team Leader
- 1 Task Force Leader Specialist
- 1 Safety Officer Specialist
- 1 Entry Officer
- 2 Edge
- 1 Quarter Master/Rescue Equipment Officer
- 1 Rigging Mgr.
- 2 Riggers
- 1 Main
- 1 Belay
- 2 Rescuers
- 1 Medical (Paramedic)

**Equipment:**

- Personal Protective Equipment (see list???)
- Mainline Bag
- Belay Bag
- Access Bag (Patient Packaging/Aid)
- Rigging Bag (Spare Rigging Gear)
- 6 Rescue Ropes (2 300')
- Patient Harness
- Stokes Litter w/BB
- Stokes Litter Bridle

## **Rope Rescue Task Force Zone Response Package**

A Zone Response Package is the manpower and equipment available within a Zone that can be deployed within the first 30 minutes to perform a rescue. This package is based on the use of first responder units to assist Technical Rescue Task Force members.

The initial response group may have the ability to access the victim and secure them from further harm. They may be able to package and lower a patient from a high point to a low point and have the ability to rig a mechanical advantage system to enable raising if sufficient manpower is on scene.

### **Minimum Task Force Personnel:**

- 1 Task Force Leader Specialist/Entry Officer
- 1 Safety Officer Specialist
- 1 Rescuer/Access
- 1 Main
- 1 Belay
- 1 Equipment/Rigger/Edge

### **Minimum Equipment:**

- Personal protective equipment (see list??)
- Mainline bag
- Belay bag
- Access bag
- Rigging Bag
- 4 rescue ropes
- Patient harness
- Stokes litter bridle
- Stokes basket w/BB
- Radio chest packs for “hands free” communication
- Personal Ascending Kit
- Incident Management System kit for technical rescue

**Trench Rescue Task Force** - The Trench Rescue Task Force consists of a minimum of 15 personnel including:

- 1 Team Leader
- 1 Task Force Leader Specialist
- 1 Safety Officer Specialist
- 1 Entry Officer
- 1 Panel Officer

- 1 Shore Officer
- 1 Cutting Station Manager
- 1 Rescue equipment/Logistics Officer
- 2 Rescuers
- 4 Technicians
- 1 Medical (paramedic)

**Equipment:**

- 8 - ¾" 4X8 Fin form panel with strongbacks attached
- 12 pneumatic / hydraulic struts with extensions
- 6 ½" 4X8 sheets plywood for ground pads
- 14 - 2X12X12' for ground pads / strong backs / spot shoring
- 4 Pre-Drilled 6x8x12' Walers
- 4 6x6x8' for Timber Shores or Remote Lift Technique
- Bag of 2x4, 4x4, 6x6 Wedges
- 20 - 2x4 Cribbing
- 40 - 4x4 Cribbing
- 4 plastic buckets
- 12 - 15' 8mm cords w/snap links
- 8 - 30' 12.5mm rope for panel placement
- 4 33' 9mm cord
- Bag of small 2X4 scabs
- Miscellaneous hand tools with nail pouch and duplex nails
- 6 - 4' Pickets
- 4 Tape Measures
- 1 Maul
- 2 Mini Mauls
- 2 Nail Pullers
- 4 Framing Hammers
- 4 shovels
- 2 trowels
- 2 folding shovels
- 2 sets of high pressure airbags
- 2 low pressure air bags
- Electric ventilation fan
- Generator
- Electric Chop Saw
- Four gas air monitor
- De-Watering Pump w/hose and elbow
- Rope Rigging Equipment
- 3 - 12-14' Straight ladders
- Confined space entry/rescue permit

- CSR Equipment
- Incident Management System kit for technical rescue

**Trench Rescue Zone Response Package** - A Zone Response Package is the manpower and equipment available within a Zone that can be deployed within the first 30 minutes to place panels and create a safe zone for the victim and begin a rescue.

**Minimum Task Force Personnel:**

- 1 Task Force Leader Specialist
- 1 Safety Officer Specialist
- 1 Entry Officer
- 1 Panel Officer
- 1 Shore Officer
- 1 Rescue Equipment/Logistics Officer
- 2 Rescuers

**Minimum Equipment :**

- 2 - ¾" 4X8 Fin form panel with strongbacks attached
- 3 pneumatic struts with extensions
- 2 - ½" 4X8 sheets plywood for ground pads
- 4 - 2X12X12' for ground pads
- 2 plastic buckets
- 6 - 15' 8mm cords w/snap links
- 2 - 30' 12.5mm rope for panel placement
- Bag of small 2X4 scabs
- Miscellaneous hand tools with nail pouch and duplex nails
- 2 shovels
- 1 trowel
- 1 folding shovel
- 2 ladders
- 1 set of high pressure airbags
- Electric ventilation fan
- Four gas air monitor
- Confined space entry/rescue permit
- Incident Management System kit for technical rescue

**Swift Water Rescue** - The Swift Water Rescue Task Force consists of a minimum of 11 personnel including:

- 1 Task Force Leader Specialist
- 1 Safety Officer Specialist
- 2 Entry Team

- 2 Back up
- 4 Support
- 1 Medical (paramedic)

**Equipment:**

- 11 PDF w/knife, whistle, light
- 6 Throw bags
- Hands free communication
- IMS kit for technical rescue
- Watercraft?
- Personal protective equipment (wet/dry suit, gloves, hood, booties)
- 11 Helmets
- 4 Live bait harnesses with manual release
- 6 Fins
- rope rigging gear
- 4 buggy boards

**Swift Water Rescue Zone Package** – A zone response package is the manpower and equipment within a Zone that can be deployed within the first 30 minutes to begin rescue operations.

**Minimum Task Force Personnel:**

- 1 Task Force Leader Specialist
- 1 Safety Officer Specialist
- 2 Entry
- 2 Backup

**Minimum Equipment:**

- 6 PDF w/knife, whistle, light
- 4 Throw bag
- Hands free communication
- Personal protective equipment (wet/dry suits, gloves, booties)
- 1 toss ring w/10' 1" webbing
- 3 lengths 2 ½" fire hose
- 1 female 2 ½" port cap
- 2 spanners
- Hose inflation adapter with male 2 ½" threads
- Regulator/controller/air cylinder (airbag set up)
- IMS kit for technical rescue
- Watercraft?

**Surface Water/Ice Rescue Task Force** - The Ice Rescue Task Force consists of a minimum of 9 personnel including:

- 1 Task Force Leader Specialist
- 1 Safety Officer
- 2 Entry Team
- 2 Backup Entry Team
- 2 Support
- 1 Medical (paramedic)

**Equipment:**

- 4 ice rescue suits
- 10 PFD's w/light, whistle, knife
- 4 helmets
- 4 ice awls
- 2 - 200' retrieval systems
- 4 Fins
- 4 throw bags
- 1 toss ring w/10' 1" webbing
- 3 lengths 2 ½" fire hose
- Hose inflation adapter fitting with male 2 ½" threads
- Regulator/control valve/air cylinder (airbag setup)
- 1 female 2 ½" cap
- 2 spanner wrenches
- 2 peterson tubes

**Surface Water/Ice Rescue Zone Package** – A Zone response package is the manpower and equipment within a Zone that can be deployed within the first 30 minutes to begin rescue operations.

**Minimum Task Force Personnel:**

- 1 Team Leader Specialist
- 1 Safety Officer Specialist
- 2 Entry Team
- 2 Back-up Entry Team
- 2 Support

**Minimum Equipment:**

- 2 ice rescue suits
- 8 PDF's w/light, whistle, knife
- 2 helmets

- 2 ice awls
- 2 – 200' retrieval systems
- 4 throw bags
- 1 toss ring w/10' 1" webbing
- 3 lengths 2 ½" fire hose
- Hose inflation adapter fitting with male 2 ½" threads
- Regulator/control valve/air cylinder (airbag setup)
- 1 female 2 ½" cap
- 2 spanner wrenches
- 2 peterson tubes

**Structural Collapse Rescue** - The Structural Collapse Rescue Task Force consists of a minimum of 25 personnel including:

- 1 Team Leader
- 1 Task Force Leader Specialist
- 1 Safety Officer Specialist
- 1 Medical Officer (paramedic)
- 1 Listening Specialist
- 1 Search Camera Specialist
- 1 Structural Engineer
- 1 Dog with Handler
- 2 Squad Leaders
- 8 Rescue Technicians
- 1 Equipment Officer
- 4 Structural Collapse Specialists
- 1 Communications Officer
- 1 Logistics Officer

**Equipment:**

- 20 - 4X4X8' dunnage
- 20 - 4"x4"x24" wedge sets
- 40 - 4"X4"X24" cribbing
- 1 Complete Stanley system including BR-90 breakers, BR-40 breakers, R-23 rail saw, and DS-11 diamond chain saw
- 2 Sections 100' hose, Stanley
- 1 Extra DS-11 chain saw blades
- 1 Water sources for Stanley
- 1 - 100' sections of garden hose
- 1 Garden hose to 1 ½" adapters
- 2 Power cutoff saws with 16" diamond blades Stihl TS-350 or equivalent
- 2 Extra 16" diamond cut off blades

- 1 Hudson type sprayer
- Core drills with diamond blades and water attachments
- Rotary hammers with 3/8" bits
- 2 - 3/8" Rotary hammer bits
- 2 - 1/2" Rotary Hammer Bits
- 1 Box 3/8" anchor bolts with eyes or hangers
- 1 Torque wrenches with socket sets
- 2 Electric or pneumatic demolition hammers withmoil points and chisel point bits
- 3 Sawsalls with spare 50 blades both wood and metal
- 1 Exothermic torches
- 2 Bottles extra oxygen (K tanks) for exothermic torches
- 2 Boxes 1/4" X 36" exothermic rods 50/bx
- 1 Oxy/acetylene or mapp torches
- 1 Extra tip
- 2 Strikers
- 2 Tip cleaning tools
- 2 Extra O2 tanks (K tanks)
- 2 Extra acetylene tanks
- 4 Burner's goggles
- 4 Burner's gloves
- 4 Burner's jackets
- 2 Chainsaw, electric or gasoline
- 1 Rebar cutter
- 24 Respirators for dust
- 4Tarpaulins 24 x 24
- 1 Confined space blower, intrinsically safe
- 1 Confined space tripod
- 2 Sections 100' rescue quality (NFPA) 1983 rope
- 1- 4:1 / 5:1 mechanical advantage system
- 1 Patient retrieval system, sked or stokes
- 4 Sledge hammers minimum 10 lb.
- 4 Mauls
- 4 Pinch bars 60"
- 4 Bolt cutters
- 10 Carabiners
- 8 - 1" webbing 16'
- 1 - 2500 kW generators
- 2 ABC fire extinguishers
- 2- Water extinguishers
- 1- 2.5 ton come-along (cable)
- 1 - Four Gas Atmospheric monitor
- 4-12-3 -100' Set extension cords

- 1 - Set lighting
- Cutting Table w/folding saw horses

### **3. SPECIALIZED RESOURCES**

**Structural Engineers -**

**Search Dogs with Handlers –**

## **N. COUNTY TECHNICAL RESCUE RESOURCES BY ZONE**

### **Zone 9**

Task Force Type...

Task Force Type...

### **Zone 10**

### **Zone 11**

### **Zone 12**

**O. TECHNICAL RESCUE TASK FORCE MEMBERS**

**Zone 9**

<b>NAME</b>	<b>AGENCY</b>	<b>HOME PHONE</b>	<b>PAGER</b>
<b>xxx</b>	<b>xxx</b>	<b>xxx</b>	<b>xxx</b>

**Zone 10**

<b>NAME</b>	<b>AGENCY</b>	<b>HOME PHONE</b>	<b>PAGER</b>
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**Zone 11**

<b>NAME</b>	<b>AGENCY</b>	<b>HOME PHONE</b>	<b>PAGER</b>
<b>xxx</b>	<b>xxx</b>	<b>xxx</b>	<b>xxx</b>

**Zone 12**

<b>NAME</b>	<b>AGENCY</b>	<b>HOME PHONE</b>	<b>PAGER</b>
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## **TECHNICAL RESCUE TASK FORCE MOBILIZATION PHONE LIST**

### **EMERGENCY MANAGEMENT**

Emergency Services Coordinating Agency (ESCA)

All staff page: (425) 438-5729

SNOCOM: (425) 775-4545

Office: (425) 776-3722

Snohomish County Department of Emergency Management (DEM)

SNOPAC: (425) 407-3930

All staff page: (425) 335-6615

Office: (425) 423-7635

### **DISPATCH CENTERS**

SNOPAC (425) 407-3970 or (425) 407-3971

SNOCOM (425) 774-3583

Marysville (360) 651-5080

# **Operating Guidelines to be Developed**