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To: Agency Licensure Task Force Members  
From: Dean Neufeld  
Re: Rescue Extrication Services

Attached are excerpts from the NFPA 1006, Standards For Rescue Technician Professional Qualifications as a resource to help guide our discussions regarding extrication services. At this time the curriculum being developed by Emergency Services Training is not available for this purpose but may be in the future. It is our understanding that these standards were used as the basis for the curriculum development.

I have highlighted the specific areas which have a direct correlation to the training requirements for licensed EMS personnel in Idaho at this time, without respect to the different scope of practice levels. It is also beneficial to note that the additional requirements unrelated to the direct patient care are significant as well which supports the position of the task force that there should not be a duplication of requirements for licensed agencies who provide rescue/extrication services.

**1-4.238 Wedges and Shims.** See definition 1-4.43, Cribbing.

## Chapter 2 Rescue Technician

**2-1\* General Requirements.** Because technical rescue is inherently dangerous and rescue technicians are frequently required to perform rigorous activities in adverse conditions, regional and national safety standards shall be included in agency policies and procedures. Rescue technicians shall complete all activities in the safest possible manner and shall follow national, federal, state, provincial, and local safety standards as they apply to the rescue technician.

**2-2\* Entrance Requirements.** Before beginning training activities or engaging in rescue incidents the following requirements shall be complied with:

- (1) Age requirement established by the authority having jurisdiction (AHJ)
- (2) Medical requirements established by the authority having jurisdiction
- (3) Minimum physical fitness as required by the authority having jurisdiction
- (4) Emergency medical care performance capabilities for entry-level personnel developed and validated by the authority having jurisdiction
- (5) Minimum educational requirements established by the authority having jurisdiction
- (6) Minimum requirements for hazardous material incident and contact control training for entry-level personnel, validated by the authority having jurisdiction

**2-3\* Minimum Requirements.** For certification, the rescue technician shall perform all of the job performance requirements in Chapter 3 and all job performance requirements listed in at least one of the specialty areas (Chapters 4 through 9).

## Chapter 3 Job Performance Requirements

**3-1 General Requirements.** The job performance requirements defined in Sections 3-2 through 3-5 shall be met prior to certification as a rescue technician.

### 3-2 Site Operations.

**3-2.1** Identify the needed support resources, given a specific type of rescue incident, so that a resource cache is managed, scene lighting is adequate for the tasks to be undertaken, environmental concerns are managed, personnel rehabilitation is facilitated, and the support operation facilitates rescue operational objectives.

(a) *Requisite Knowledge:* Equipment organization and tracking methods, lighting resource type and availability, shelter and thermal control options, and rehab criteria.

(b) *Requisite Skills:* The ability to track equipment inventory, identify lighting resources and structures for shelter and thermal protection, select rehab areas, and manage personnel rotations.

**3-2.2** Size up a rescue incident, given background information and applicable reference materials, so that the type of rescue is determined, the number of victims is identified, the last reported location of all victims is established, witnesses are identified and interviewed, resource needs are assessed,

search parameters are identified, and information required to develop an incident action plan is obtained.

(a) *Requisite Knowledge:* Types of reference materials and their uses, availability and capability of the resources, elements of an action plan and related information, relationship of size-up to the incident management system, and information gathering techniques and how that information is used in the size-up process.

(b) *Requisite Skills:* The ability to read technical rescue reference materials, gather information, relay information, and use information gathering sources.

**3-2.3** Manage incident hazards, given scene control barriers, personal protective equipment, requisite equipment, and available specialized resources, so that all hazards are identified, resource application fits the operational requirements, hazard isolation is considered, risks to rescuers and victims are minimized, and rescue time constraints are taken into account.

(a) *Requisite Knowledge:* Resource capabilities and limitations, types and nature of incident hazards, equipment types and their use, isolation terminology, methods, equipment and implementation, operational requirement concerns, common types of rescuer and victim risk, risk-benefit analysis methods and practices, and types of technical references.

(b) *Requisite Skills:* The ability to identify resource capabilities and limitations, identify incident hazards, assess victim viability (risk-benefit), utilize technical references, place scene control barriers, and operate control and mitigation equipment.

**3-2.4** Manage resources in a rescue incident, given incident information, a means of communication, resources, tactical worksheets, personnel accountability protocol, applicable references, and standard operating procedures, so that references are correctly utilized, personnel are accounted for, deployed resources achieve desired objectives, incident actions are documented, rescue efforts are coordinated, the command structure is established, task assignments are clearly communicated and monitored, and actions are consistent with applicable regulations.

(a) *Requisite Knowledge:* Incident management system, tactical worksheet application and purposes, accountability protocols, resource types and deployment methods, documentation methods and requirements, availability, capabilities and limitations of rescuers and other resources, typical communication problems and needs, communications requirements, methods and means, types of tasks and assignment responsibilities, policies and procedures of the agency, and technical references related to the type of rescue incident.

(b) *Requisite Skills:* The ability to implement an incident management system, complete tactical worksheets, use reference materials, evaluate incident information, match resources to operational needs, operate communications equipment, manage incident communications, and communicate in a clear and concise manner so that objectives are met.

**3-2.5** Conduct a search, given hazard-specific personal protective equipment, equipment pertinent to search mission, an incident location, and victim investigative information, so that search parameters are established, victim profile is established, the entry and exit of all people either involved in the search or already within the search area are questioned and the information is updated and relayed to command, the per-

sonnel assignments match their expertise, all victims are located as quickly as possible, applicable technical rescue concerns are managed, risks to searchers are minimized, and all searchers are accounted for.

(a) *Requisite Knowledge:* Local policies and procedures and how to operate in the site-specific search environment.

(b) *Requisite Skills:* The ability to enter, maneuver in, and exit the search environment and provide for and perform self-escape/rescue.

**3-2.6\*** Perform ground support operations for helicopter activities, given a rescue scenario/incident, helicopter, operational plans, personal protective equipment, requisite equipment, and available specialized resources, so that rescue personnel are familiar with operational characteristics of the aircraft and demonstrate operational proficiency in establishing and securing landing zones and communicating with aircraft personnel until the assignment is complete.

(a) *Requisite Knowledge:* Ground support operations relating to helicopter use and deployment, operation plans for helicopter service activities, type-specific personal protective equipment, aircraft familiarization and hazard areas specific to helicopter, scene control and landing zone requirements, aircraft safety systems, and communications protocols.

(b) *Requisite Skills:* The ability to provide ground support operations, review standard operating procedures for helicopter operations, use personal protective equipment, establish and control landing zones, and communicate with aircrews.

**3-2.7** Terminate the incident, given isolation barriers and specialized teams and equipment so that all personnel are accounted for and removed from the scene, hazards are eliminated or controlled, further entry is denied, the victim is transported to the appropriate care facility, the scene is rendered safe, rescue personnel are returned to a state of readiness, appropriate reporting and documentation of the incident is completed, and a critique and critical incident stress debriefing is conducted with rescue personnel.

(a) *Requisite Knowledge:* How to secure a scene, forms for documentation, resources for critical incident stress debriefing, and local medical transportation protocol.

(b) *Requisite Skills:* The ability to provide scene security, complete reporting documentation of the incident, and apply local medical transportation protocol.

### 3-3 Victim Management.

**3-3.1** Access a victim, given tool kits, personal protective equipment, and other equipment designed to allow physical approach to the victim, so that hazards are managed, the rescuer can approach the victim, the access point is determined, the means of access is maintained and secured, and an escape route is identified.

(a) *Requisite Knowledge:* Recognition of and methods to manage potential hazards within the rescue environment, methods and means to gain access, use of appropriate personal protective equipment and tool kit(s) used to gain access to the victim, and factors used to identify escape routes.

(b) *Requisite Skills:* The ability to manage hazards, use provided tools, use personal protective equipment, and choose safe entry and escape routes and techniques and tools (specific to the rescue environment) to make access to the victim.

**3-3.2** Assess a victim, given personal protective equipment to include protection from airborne and bloodborne pathogens

and a basic first aid kit, so that required resources can be identified and obtained, injuries are identified, risks to rescuers are minimized, victim viability is established, and treatment priorities are established.

(a) *Requisite Knowledge:* Victim assessment procedures, universal precautions for infectious disease, emergency medical care, considerations related to mechanisms of injuries, issues relating to protocol, and types of resources and availability.

(b) *Requisite Skills:* The ability to use personal protective clothing, use personal protective equipment, follow established assessment procedures, relate mechanism of injury to assessment, and evaluate scene hazards.

**3-3.3** Stabilize the victim, given a basic first aid kit, so that the victim's airway is established and maintained, ventilation is adequate, circulation is maintained, severe bleeding is controlled, spinal immobilization precautions are taken, and the victim is treated for shock.

(a) *Requisite Knowledge:* Emergency medical care and uses for personal protective equipment.

(b) *Requisite Skills:* The ability to initiate emergency medical care and use personal protective equipment.

**3-3.4** Triage victims, given triage tags and local protocol, so that rescue versus recovery factors are considered, triage decisions reflect resource capabilities, severity of injuries is determined, and victim care and rescue priorities are established in accordance with local protocol.

(a) *Requisite Knowledge:* Types and systems of triage according to local protocol, resource availability, methods to determine injury severity, ways to manage resources, and prioritization requirements.

(b) *Requisite Skills:* The ability to use triage materials, techniques, and resources and to categorize victims properly.

**3-3.5\*** Package an ill or injured victim, given a basic first aid kit and other specialized equipment if available, so that environmental conditions are considered, illnesses or injuries are managed, and the potential for further injury is minimized.

(a) *Requisite Knowledge:* Effects of environmental conditions on packaging, emergency medical care, packaging equipment and methods, ways to minimize additional injuries, immobilization techniques, and application of victim personal protective equipment.

(b) *Requisite Skills:* The ability to select and apply packaging equipment, protect a victim, immobilize injuries, and apply personal protective equipment to a victim.

**3-3.6** Move a victim in a low-angle environment, given victim transport equipment, litters, other specialized equipment if available, and victim removal systems appropriate to the specific rescue environment, so that the victim is moved without undue further injuries, risks to rescuers are minimized, the integrity of the victim's securement within the transfer device is established and maintained, the means of attachment to the rope rescue system is secure, and the victim is removed from the hazard.

(a) *Requisite Knowledge:* Types of transport equipment and removal systems, selection factors with regard to specific rescue environments, methods to reduce and prevent further injuries, types of risks common to rescuers, ways to establish and maintain victim securement, transport techniques, rope rigging applications and methods, and types of specialized equipment and their uses.

(b) *Requisite Skills:* The ability to secure a victim to transport equipment, assemble and operate environment-specific victim removal systems, and choose an incident-specific transport device.

**3-3.7** Transfer a victim to emergency medical services (EMS), given local medical protocols, so that all pertinent information is passed from rescuer to EMS provider, and the victim can be transported to a medical care facility.

(a) *Requisite Knowledge:* Medical protocols for victim transfer, uses for checklists, triage tags or report forms utilized for this purpose by the authority having jurisdiction, risks, laws and liabilities related to victim transfer, and information needs of the EMS provider.

(b) *Requisite Skills:* The ability to report victim condition and history to the EMS provider and to complete reports and checklists, and verbal communications skills.

### 3-4 Maintenance.

**3-4.1\*** Inspect and maintain hazard-specific personal protective equipment, given clothing or equipment for the protection of the rescuers, including respiratory protection, cleaning and sanitation supplies, maintenance logs or records, and such tools and resources as are indicated by manufacturer's guidelines for assembly or disassembly of components during repair or maintenance, so that damage, defects, and wear are identified and reported or repaired as needed, equipment functions as designed, and preventive maintenance has been performed and documented consistent with the manufacturer's recommendations.

(a) *Requisite Knowledge:* Functions, construction, and operation of personal protective equipment; use of record-keeping systems of the authority having jurisdiction; requirements and procedures for cleaning, sanitizing, and infectious disease control; use of provided assembly and disassembly tools; manufacturer and department recommendations; pre-use inspection procedures; and ways to determine operational readiness.

(b) *Requisite Skills:* The ability to identify wear and damage indicators for personal protective equipment; evaluate operational readiness of personal protective equipment; complete logs and records; use cleaning equipment, supplies, and reference materials; and select and use tools appropriate to the task.

**3-4.2\*** Inspect and maintain rescue equipment, given maintenance logs and records, tools and resources as indicated by the manufacturer's guidelines, an equipment replacement protocol, and organizational standard operating procedure, so that the operational status of equipment is verified and documented, all components are checked for operation, deficiencies are repaired or reported as indicated by standard operating procedure, and items subject to replacement protocol are correctly disposed of and changed.

(a) *Requisite Knowledge:* Functions and operations of rescue equipment, use of record-keeping systems, manufacturer and organizational care and maintenance requirements, selection and use of maintenance tools, replacement protocol and procedures, disposal methods, and organizational standard operating procedures.

(b) *Requisite Skills:* The ability to identify wear and damage indicators for rescue equipment, evaluate operation readiness of equipment, complete logs and records, and select and use maintenance tools.

### 3-5 Ropes/Rigging.

**3-5.1** Tie knots, bends and hitches, given ropes and webbing, so that the knots are properly dressed, recognizable, and safetied as required.

(a) *Requisite Knowledge:* Knot efficiency, proper knot utilization, rope construction, rope terminology, and methods of safety.

(b) *Requisite Skills:* Tie representative knots, bends, or hitches for the following purposes:

- (1) End of line loop
- (2) Midline loop
- (3) Securing rope around desired objects
- (4) Joining rope or webbing ends together
- (5) Gripping rope

**3-5.2** Construct a single-point anchor system, given life safety rope, edge protection, and other auxiliary rope rescue equipment if available, so that the chosen anchor system fits the incident needs, meets or exceeds the expected load, and does not interfere with rescue operations, the critical angle is not exceeded, a safe and efficient anchor point is chosen, the need for redundant anchor points is assessed and used as required, the anchor system is inspected and loaded prior to being placed into service, and the integrity of the system is maintained throughout the operation.

(a) *Requisite Knowledge:* Application of knots, safe rigging principles, anchor selection criteria, system safety check procedures, rope construction, and rope rescue equipment applications and limitations.

(b) *Requisite Skills:* The ability to select rope and equipment; tie knots; rig systems; evaluate anchor points for desired strength, location, and surface contour; and perform a system safety check.

**3-5.3** Construct a simple rope mechanical advantage system, given life safety rope, carabiners, pulleys, rope grab devices, and auxiliary rope rescue equipment if available, so that the system constructed can accommodate the load, is efficient, and is connected to an anchor system and the load.

(a) *Requisite Knowledge:* Principles of mechanical advantage, capabilities and limitations of various simple rope mechanical advantage systems, application of knots, safe rigging principles, and system safety check procedures.

(b) *Requisite Skills:* The ability to select rope and equipment, tie knots, choose and rig systems, attach the mechanical advantage system to the anchor system and load, and perform a system safety check.

**3-5.4** Direct a team in the operation of a simple rope mechanical advantage system, given rescue personnel, an established rope rescue system incorporating a simple rope mechanical advantage system, a load to be moved, and an anchor system, so that the movement is controlled, the load can be held in place when needed, operating methods do not stress the system to the point of failure, appropriate commands are used to direct the operation, and potential problems are readily identified, communicated, and managed.

(a) *Requisite Knowledge:* Principles of mechanical advantage, capabilities and limitations of various simple rope mechanical advantage systems, proper operation of simple rope mechanical advantage systems, personnel assignments, and operational commands.

bodies of water, and signs, symptoms, and treatment of aquatic medical emergencies.

(b) *Requisite Skills:* The ability to swim and float in different water conditions with and without flotation aids or swimming aids; apply water survival skills; manage combative water-bound victims; don and doff personal protective equipment; select and use personal protective equipment, flotation aids, and swim aids; utilize communications systems; select equipment and techniques for treatment of aquatic medical emergencies; and evaluate water conditions to identify entry points and hazards.

**5-1.13** Extricate an incapacitated water-bound victim from the water to the shore as a member of a team, given spinal stabilization devices, patient transfer devices, a water hazard that is representative of the bodies of water existing or anticipated within the geographic confines of the authority having jurisdiction, and water rescue personal protective equipment, so that positive buoyancy for the victim and the rescuers is maintained, the victim's airway, respiratory efforts, and ventilatory support are not compromised, the victim's cervical spine is maintained in alignment, risks to the victim and rescuers are minimized, and the victim is removed from the hazard.

(a) *Requisite Knowledge:* Effects of environmental conditions on spinal stabilization and transfer devices, emergency medical care, packaging equipment and methods, ways to minimize additional injuries, immobilization techniques, hydrology and hazards anticipated for the specific water-rescue environment, and selection procedures for water rescue personal protective equipment.

(b) *Requisite Skills:* The ability to secure the victim to spinal stabilization and transfer devices, stabilize the victim's spine manually while in the water, don and doff personal protective equipment, roll the victim from face-down to face-up position, and evaluate water conditions to select exit points and identify hazards.

**5-1.14** Direct a team in the operation of a highline system as a member of a team, given rescue personnel, an established highline system, a load to be moved, and personal protective equipment, so that the movement is controlled, the load is held in place when needed, operating methods do not stress the system to the point of failure, personnel assignments are made and tasks are clearly communicated, operational commands are distinctly communicated to personnel, and potential problems are readily identified, communicated, and managed.

(a) *Requisite Knowledge:* Ways to determine incident needs as related to the operation of highline systems, capabilities and limitations of various highline systems, incident site evaluation as related to interference concerns and obstacle negotiation, system safety check protocol, procedures to evaluate system components for compromised integrity, common personnel assignments and duties, assignment considerations, common and critical operational commands, common highline problems and ways to minimize or manage them, and ways to increase the efficiency of load movement.

(b) *Requisite Skills:* The ability to determine incident needs, complete a system safety check, evaluate system components for compromised integrity, select personnel, communicate with personnel effectively, manage movement of the load, and evaluate for potential problems.

**5-1.15\*** Define applications for helicopter aquatic rescue operations within the area of responsibility for the authority

having jurisdiction, given a helicopter service, operational protocols, helicopter capabilities and limitations, rescue procedures, and risk factors influencing helicopter operations, so that air-to-ground communications are established and maintained, applications are within the capabilities and skill levels of the helicopter service, the applications facilitate safe victim(s) extraction from water hazards that are representative of the bodies of water existing or anticipated within the geographic confines of the authority having jurisdiction, air crew and ground personnel safety are not compromised, landing zones are designated and secured, and fire suppression resources are available at the landing zone.

(a) *Requisite Knowledge:* Local aircraft capabilities and limitations, landing zone requirements, hazards to aircraft, local protocols, procedures for operating around aircraft, dynamics of rescue options, crash survival principles, personal protective equipment limitations and selection criteria, and ancillary helicopter rescue equipment.

(b) *Requisite Skills:* The ability to determine applicability of air operations, establish and control landing zones, assess fire protection needs, communicate with air crews, identify hazards, rig aircraft for anticipated rescue procedures, apply crash survival procedures, and select and use personal protective equipment.

## Chapter 6 Vehicle and Machinery Rescue

**6-1 General Requirements.** The job performance requirements defined in 6-1.1 through 6-1.8 shall be met prior to certification in vehicle and machinery rescue.

**6-1.1\*** Establish "scene" safety zones, given scene security barriers, incident location, incident information, and personal protective equipment, so that action hot, warm, and cold safety zones are designated, zone perimeters are consistent with incident requirements, perimeter markings can be recognized and understood by others, zone boundaries are communicated to incident command, and only authorized personnel are allowed access to the rescue scene.

(a) *Requisite Knowledge:* Use and selection of personal protective equipment, traffic control flow and concepts, types of control devices and tools, types of existing and potential hazards, methods of hazard mitigation, organizational standard operating procedure, and types of zones and staffing requirements.

(b) *Requisite Skills:* Selection and use of personal protective equipment, application of traffic control concepts, positioning of traffic control devices, identification and mitigation of existing or potential hazards, application of zone identification, and personnel safety techniques.

**6-1.2\*** Stabilize a vehicle or machine, given a basic extrication tool kit and personal protective equipment, so that the vehicle or machinery is prevented from moving during the rescue operations; entry, exit, and tool placement points are not compromised; anticipated rescue activities will not compromise vehicle or machinery stability; selected stabilization points are structurally sound; stabilization equipment can be monitored; and the risk to rescuers is minimized.

(a) *Requisite Knowledge:* Types of stabilization devices, mechanism of vehicle and machinery movement, types of stabilization points, types of stabilization surfaces, authority having jurisdiction policies and procedures, and types of vehicle

and machinery construction components as they apply to stabilization.

(b) *Requisite Skills:* The ability to apply and operate stabilization devices.

**6-1.3** Determine the vehicle access and egress points, given the structural and damage characteristics and potential victim location(s), so that victim location(s) are considered; entry and exit points for victims, rescuers, and equipment are designated; flow of personnel, victim, and equipment is considered; existing entry points are used; time constraints are factored; selected entry/egress points do not compromise vehicle stability; chosen points can be made safe; equipment and victim stability is considered; and AHJ safety and emergency procedures are enforced.

(a) *Requisite Knowledge:* Vehicle construction/features, entry and exit points, routes and hazards operating systems, authority having jurisdiction standard operating procedure, and emergency evacuation/safety signals.

(b) *Requisite Skills:* The ability to identify entry and exit points and probable victim locations and assess and evaluate impact of vehicle stability on the victim.

**6-1.4** Create access and egress openings for rescue, given basic extrication tool kit, specialized tools and equipment, personal protective equipment, and an assignment, so that the orderly movement of rescuers and equipment complements victim care and removal, an emergency escape route is provided, the technique chosen is expedient, victim and rescuer protection is afforded, and vehicle stability is maintained.

(a) *Requisite Knowledge:* Vehicle construction and features, electrical, mechanical, hydraulic, pneumatic, and alternative entry and exit equipment, points and routes of ingress and egress, techniques and hazards, agency policies and procedures, and emergency evacuation and safety signals.

(b) *Requisite Skills:* The ability to identify vehicle construction features, select and operate tools and equipment, apply tactics and strategy based on assignment, apply victim care and stabilization devices, perform hazard control based on techniques selected, and demonstrate safety procedures and emergency evacuation.

**6-1.5\*** Isolate potentially harmful energy sources, given basic extrication tool kit and personal protective equipment, so that all hazards are identified, systems are managed, beneficial system use is considered, and hazards to rescue personnel and victims are minimized.

(a) *Requisite Knowledge:* Types and uses of personal protective equipment, types of energy sources, system isolation methods, specialized system features, tools for disabling hazards, and policies and procedures of the authority having jurisdiction.

(b) *Requisite Skills:* The ability to select and use task- and incident-specific personal protective equipment, identify hazards, operate beneficial systems in support of tactical objectives, and operate tools and devices for securing and disabling hazards.

**6-1.6\*** Establish fire protection, given an extrication incident and fire control support, so that fire and explosion potential is managed and fire hazards and rescue objectives are communicated to the fire support team.

(a) *Requisite Knowledge:* Types of fire and explosion hazards, incident management system, types of extinguishing

devices, agency policies and procedures, types of flammable and combustible substances and types of ignition sources, and extinguishment or control options.

(b) *Requisite Skills:* The ability to identify fire and explosion hazards, operate within the incident management system, use extinguishing devices, apply fire control strategies, and manage ignition potential.

**6-1.7** Disentangle victim(s), given an extrication incident, a basic extrication tool kit, personal protective equipment, and specialized equipment, so that undue victim injury is avoided, victim protection is provided, and stabilization is maintained.

(a) *Requisite Knowledge:* Tool selection and application, stabilization systems, protection methods, disentanglement points and techniques, and dynamics of disentanglement.

(b) *Requisite Skills:* The ability to operate disentanglement tools, initiate protective measures, identify and eliminate points of entrapment, and maintain incident stability and scene safety.

**6-1.8** As a member of a team, remove a packaged victim to a safe area given a victim transfer device, designated egress route, and personal protective equipment, so that the team effort is coordinated, the designated egress route is used, the victim is removed without compromising victim packaging, undue injury is avoided, and stabilization is maintained.

(a) *Requisite Knowledge:* Patient handling techniques, incident management system, types of immobilization, packaging and transfer devices, types of immobilization techniques, uses of immobilization devices, organizational protocols, lifting and moving techniques, and safety.

(b) *Requisite Skills:* Use of immobilization, packaging, and transfer devices for specific situations, immobilization techniques, application of medical protocols and safety features to immobilize, and package transfer and safe lifting techniques.

## Chapter 7 Confined Space Rescue

**7-1 General Requirements.** The job performance requirements defined in 7-1.1 through 7-1.9 shall be met prior to certification in confined space rescue.

**7-1.1** Preplan a confined space incident, given applicable guidelines and regulations and a preplan form, so that a safe, standard approach is used during a confined space rescue emergency, hazards are recognized and documented, isolation methods are identified and documented, all accesses to the location of the entry opening are identified and documented, all types of entry openings are identified and documented, and internal configurations and special resource needs are documented for future rescuer use.

(a) *Requisite Knowledge:* Operational protocols, specific preplan forms, types of hazards common to jurisdictional boundaries, hazards that should and must be identified on preplans, isolation methods and issues related to preplanning, considerations and constraints relating to the types of confined space openings, internal configuration special resource needs of a confined space, and applicable legal issues.

(b) *Requisite Skills:* The ability to select a specific preplan form; draft or draw a sketch of confined spaces; complete supplied forms; identify and evaluate various configurations of confined spaces, access points, entry openings, isolation procedures, and energy control locations; recognize general and