

**WEST VIRGINIA
SECRETARY OF STATE
JOE MANCHIN, III
ADMINISTRATIVE LAW DIVISION**

Form #1

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2002 MAY -6 P 2:48

WEST VIRGINIA
SECRETARY OF STATE

NOTICE OF A PUBLIC HEARING ON A PROPOSED RULE

AGENCY: WEST VIRGINIA STATE FIRE COMMISSION TITLE NUMBER: 87

RULE TYPE: LEGISLATIVE CITE AUTHORITY: 29-3-5

AMENDMENT TO AN EXISTING RULE: YES NO

IF YES, SERIES NUMBER OF RULE BEING AMENDED: _____

TITLE OF RULE BEING AMENDED: _____

IF NO, SERIES NUMBER OF RULE BEING PROPOSED: -6-

TITLE OF RULE BEING PROPOSED: FIRE DEPARTMENT RESCUE SERVICES

DATE OF PUBLIC HEARING: 7 JUNE 2002 TIME: 10:00 AM

LOCATION OF PUBLIC HEARING: OFFICES OF THE STATE FIRE COMMISSION - STATE FIRE MARSHAL
1207 QUARRIER STREET, SECOND FLOOR
CHARLESTON, WEST VIRGINIA 25301

COMMENTS LIMITED TO: ORAL , WRITTEN , BOTH

COMMENTS MAY ALSO BE MAILED TO THE FOLLOWING ADDRESS:

ATTN: RESCUE RULES
WEST VIRGINIA STATE FIRE COMMISSION
1207 QUARRIER STREET, SECOND
FLOOR
CHARLESTON, WEST VIRGINIA 25301

The Department requests that persons wishing to make comments at the hearing make an effort to submit written comments in order to facilitate the review of these comments.

The issues to be heard shall be limited to the proposed rule.

ATTACH A **BRIEF** SUMMARY OF YOUR PROPOSAL


Authorized Signature

SCANNED

\$7.80

**WEST VIRGINIA
SECRETARY OF STATE
JOE MANCHIN, III
ADMINISTRATIVE LAW DIVISION**

Form #2

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2002 MAY -6 P 2:48

OFFICE WEST VIRGINIA
SECRETARY OF STATE

NOTICE OF A COMMENT PERIOD ON A PROPOSED RULE

AGENCY: WEST VIRGINIA STATE FIRE COMMISSION TITLE NUMBER: 87

RULE TYPE: LEGISLATIVE CITE AUTHORITY: 29-3-5

AMENDMENT TO AN EXISTING RULE: YES NO

IF YES, SERIES NUMBER OF RULE BEING AMENDED: _____

TITLE OF RULE BEING AMENDED: _____

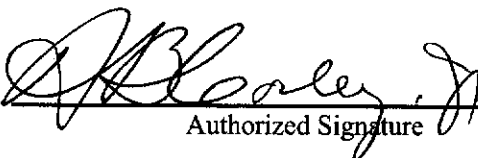
IF NO, SERIES NUMBER OF RULE BEING PROPOSED: -6-

TITLE OF RULE BEING PROPOSED: FIRE DEPARTMENT RESCUE RULES

IN LIEU OF A PUBLIC HEARING, A COMMENT PERIOD HAS BEEN ESTABLISHED DURING WHICH ANY INTERESTED PERSON MAY SEND COMMENTS CONCERNING THESE PROPOSED RULES. THIS COMMENT PERIOD WILL END ON 7 JUNE 2002 AT 17:00 HOURS ONLY WRITTEN COMMENTS WILL BE ACCEPTED AND ARE TO BE MAILED TO THE FOLLOWING ADDRESS:

ATTN: RESCUE RULES
WEST VIRGINIA STATE FIRE
COMMISSION
1207 QUARRIER STREET, 2ND
FLOOR
CHARLESTON, WEST VIRGINIA
25301

THE ISSUES TO BE HEARD SHALL BE LIMITED TO THIS PROPOSED RULE.

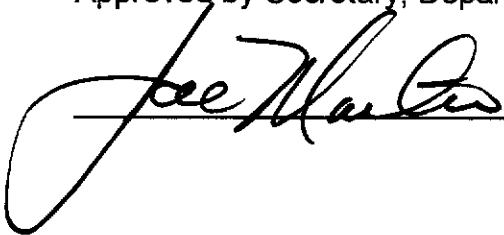

Authorized Signature

ATTACH A **BRIEF** SUMMARY OF YOUR PROPOSAL

WEST VIRGINIA
FIRE DEPARTMENT RESCUE SERVICES

Rules
Of the West Virginia
State Fire Commission

Approved by Secretary, Department of Military Affairs and Public Safety




_____ Date

Approved by State Fire Commission




_____ Date

STATE FIRE COMMISSION
1207 Quarrier Street, 2nd Floor
Charleston, WV 25301

Brief Summary of the Proposed Rule:

These rules identify different types and kinds of rescue services that may be provided by fire departments, define recognized levels of rescue service, and require certain types of training for firefighters in fire departments who choose to perform any or all of the types and kinds of rescue services described herein. Additionally, these rules require departments who choose to perform rescue services to notify the WV State Fire Commission of the type and level of rescue service they elect to provide. Finally, these rules provide dates upon which the training requirements must be met for those fire departments that elect to perform rescue of any type.

Statement of Circumstances which require this Rule:

In the WV Fire Prevention and Control Act (§29-3-1), the West Virginia Legislature found that (a) A significant part of the population of this state needs improved fire prevention and control; (b) The establishment and maintenance of a coordination program for fire prevention and control for the entire state is necessary to promulgate the safety and well-being of the citizens and residents of this state; (c) Adequate fire prevention and control are not likely to become a reality unless certain administrative functions and procedures are enacted by law; and (d) Fire prevention and control are a public purpose and a responsibility of government for which public money may be spent.

The WV State Fire Commission, in carrying out its legislated duties recognizes that improved fire prevention and control also includes services provided by fire departments in their response to assist citizens of West Virginia. Finding that a significant number of rescues of state citizens were and are performed by fire departments under the control of the State Fire Commission and that there existed neither regulations to prescribe the types and kinds of rescues to performed by fire departments within the state nor to prescribe the minimum levels of training required of fire departments performing those rescues, the Fire Commission developed these rules to meet the recognized deficiencies. Accordingly, these rules are proposed under the Fire Commission's legislated authority to promulgate rules for the safeguarding of life and property from the hazards of fire and explosion pursuant to the provisions of chapter twenty-nine-a of this code.

□
APPENDIX B

FISCAL NOTE FOR PROPOSED RULES

Rule Title: FIRE DEPARTMENT RESCUE SERVICES

Type of Rule: XXXX Legislative _____ Interpretive _____ Procedural

Agency: WEST VIRGINIA STATE FIRE COMMISSION

Address: 1207 QUARRIER STREET, SECOND FLOOR, CHARLESTON, WEST VIRGINIA
25301

1. Effect of Proposed rule:

	ANNUAL FISCAL YEAR				
	INCREASE	DECREASE	CURRENT	NEXT	THEREAFTER
ESTIMATED TOTAL COST	65000		68000	72000	77000
PERSONAL SERVICES	30000		33000	35000	38000
CURRENT EXPENSE	25000		25000	25000	25000
REPAIRS & ALTERATIONS					
EQUIPMENT					
OTHER	10000		10000	12000	14000

2. Explanation of Above Estimates:
cost for one position to implement this rule and assure compliance by the 400 plus fire department in the state

3. Objectives of These Rules:
Rule is intended to insure adequate provisions of fire department rescue services to the citizens of West Virginia; to meet the needs and goals set out in WV Code 29-3-2; and to provide clear direction to the fire departments in West Virginia

Rule Title: FIRE DEPARTMENT RESCUE SERVICES

4. Explanation of Overall Economic Impact of Proposed Rule:

A. Economic Impact on State Government:

Costs as previously identified with no identifiable source of revenue to cover the costs except of that received from General Revenue appropriations.

B. Economic Impact on Political Subdivisions; Specific Industries; Specific Groups of

Citizens: Presume that in order to meet the requirements there will be necessary expenses involved for training, equipment, etc by each individual department

C. Economic Impact on Citizens/Public at Large.

As the level of service is raised to meet the requirements, it could be expected that funds would have to be obtained by the departments through local taxes, fees, levies, donations, etc.

Date: 2 MAY 2002

Signature of Agency Head or Authorized Representative:

A handwritten signature in cursive script, appearing to read "A. B. Corley Jr.", is written over a horizontal line.

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2002 MAY -6 P 2:48

OFFICE OF THE WEST VIRGINIA
SECRETARY OF STATE

Title 87
West Virginia State Fire Commission Legislative Rules
Series _____
Fire Department Rescue Services

§ 1. General.

1.1. Scope.-- This rule is intended to insure adequate provision of fire department rescue services to the citizens of West Virginia; to meet the needs and goals set out in W.Va. Code § 29-3-2; and to provide clear direction to fire department rescue services in West Virginia.

1.2. Authority. -- W. Va. Code § 29-3-5.

1.3. Filing Date. --

1.4. Effective Date. --

1.5. Applicability. -- This rule applies to all persons or entities and recognized as a fire department by the West Virginia state fire commission. Nothing in this rule shall require a fire department to provide rescue services as part of its mission. However, fire departments choosing to provide any or all forms of rescue identified in this rule shall choose the level of service to be provided by their organization and shall report their choice to the West Virginia state fire commission as prescribed by this rule.

1.6. Enforcement. -- This rule is enforced by the West Virginia State Fire Commission through the West Virginia State Fire Marshal.

§ 2. Definitions.

2.1. Emergency Medical Service (EMS). -- The organization(s) responsible for the care and transport of sick and injured persons to an appropriate emergency care facility.

2.2. Extrication. -- The removal of trapped victims from a vehicle or machinery.

2.3. Fire Department Rescue Service. -- The fire department rescue team designated to rescue victims from physical danger.

2.4. Incident Command System (ICS). -- The combination of facilities, equipment, personnel, procedures, and communications operating within a common organizational structure with responsibility for the management of assigned resources to effectively accomplish stated objectives pertaining to an incident or training exercise.

2.5. Medical Surveillance. -- The regular and periodic taking and recording of rescue team members= vital signs (temperature, pulse, blood pressure, respirations) prior to, during, and following a rescue activity.

2.5. Rapid Intervention Team. -- At least two members available for rescue of a member or a team if the need arises.

2.6. Recovery. -- Activities and programs designed to return the entity to an acceptable condition.

2.7. Recovery Mode. -- Level of operational urgency where there is no chance of rescuing a victim alive.

2.8. Rescue. -- Those activities directed at locating endangered persons at an emergency incident, removing those persons from danger, treating the injured, and providing for transport to an appropriate health care facility.

2.9. Rescue Incident. -- An emergency incident that primarily involves the rescue of persons subject to physical danger and that could include the provision of emergency medical care, but not necessarily.

§ 3. Minimum Requirements for Fire Department Rescue Services.

3.1. Minimum requirements. -- All fire department rescue services shall meet the following minimum requirements:

3.1.a. Each member of the rescue service shall be provided with, and trained to use properly, the personal protective equipment and rescue equipment necessary for making rescues from positions of danger according to his or her designated level of competency;

3.1.b. Each member of the rescue service shall be trained to perform the assigned rescue duties corresponding to his or her designated level of competency;

3.1.c. Each member of the rescue service shall practice making rescues by means of simulated rescue operations in which they remove dummies, mannequins, or persons from actual or representative dangerous locations;

3.1.d. Each member of the rescue service shall be certified in basic first aid and cardiopulmonary resuscitation (CPR) or other equivalent course of study;

3.1.e. The rescue service shall be capable of responding in a timely manner to a rescue summons;

3.1.f. Each member of the rescue service shall be properly equipped, trained, and capable of functioning appropriately to perform rescues within the area for which they are responsible at their designated level of competency; and

3.1.g. Each member of the rescue service shall be aware of the hazards they could confront when called on to perform rescue within the area for which they are responsible;

3.2. Responsibility. -- The fire department shall establish levels of operational capability needed to conduct operations at technical rescue incidents safely and effectively based on hazard analysis, risk assessment, training level of personnel, and availability of internal and external resources.

3.3. Operational Levels. -- The fire department shall establish written standard operating procedures consistent with one of the following operational levels:

3.3.a. Awareness. This level represents the minimum capability of a responder who, in the course of his or her regular job duties, could be called upon to respond to, or could be the first on the scene of, a technical rescue incident. This level can involve search, rescue, and recovery operations. Members of a team at this level are generally not considered rescuers;

3.3.b. Operations. This level represents the capability of hazard recognition, equipment use, and techniques necessary to safely and effectively support and participate in a technical rescue incident. This level can involve search, rescue, and recovery operations, but usually operations are carried out under the supervision of technician-level personnel; or

3.3.c. Technician. This level represents the capability of hazard recognition, equipment use, and techniques necessary to safely and effectively coordinate, perform, and supervise a technical rescue incident. This level can involve search, rescue, and recovery operations.

3.4. Operational Procedures. - - The fire department shall establish operational procedures to ensure that technical rescue operations are performed in a safe manner consistent with the identified level of operational capability. Additionally, the same techniques used in a rescue operation shall be considered appropriate for training, body recovery, evidence search, and other operations with a level of urgency commensurate with the risk/benefit analysis.

3.4.a. Operational Limitations. - - Operational procedures shall not exceed the identified level of capability established in 3.3.

3.4.b. Medical Care. - - Medical care shall be provided for victims of rescue operations once removed from the hazard area and shall be, as a minimum, at the basic life support (BLS) level.

3.5. Minimum Training. - - The fire department shall provide for training in the responsibilities that are commensurate with the identified operational capability of each member. The minimum training for all rescue service members shall be at the awareness level. Members expected to perform at a higher operational level shall be trained to that level.

3.6. Continuing Education. - - The fire department shall provide for the necessary continuing education to maintain all requirements of the organization=s identified level of capability.

3.7. Documentation. - - The fire department shall be responsible for the documentation of all required training. This documentation shall be maintained and available for inspection by the West Virginia State Fire Commission, the West Virginia State Fire Marshal, or their authorized representatives, individual team members and their authorized representatives.

3.8. Specific Rescue Incident Requirements. - - Prior to operating at a technical rescue incident, an organization shall meet the requirements of this subsection along with one or more of the appropriate requirements in the remaining subsections for the specific technical rescue incident.

3.9. Evacuation of Endangered Rescuers. - - The fire department shall ensure that there is a standard operating procedure to evacuate members from an area and account for their safety when an imminent hazard condition is discovered. This procedure shall include a method to notify all members in the affected area immediately by any effective means including audible warning devices, visual signals, and radio signals.

3.10. Equipment.

3.10.a. Operational Equipment. - - The fire department shall ensure that equipment commensurate with the respective operational capabilities for safe and effective operations at technical rescue incidents and training exercises is provided.

3.10.b. Training. -- Training shall be provided to ensure that all equipment is used and maintained in accordance with the manufacturers' instructions.

3.10.c. Personal Protective Equipment (PPE). -- The fire department shall ensure that the appropriate protective clothing and equipment to provide protection from those hazards to which personnel are exposed or could be exposed is provided. Such protective equipment shall be appropriate to the tasks that are expected to be performed during technical rescue incidents and training exercises.

3.10.c.1. Personnel shall be trained in the care, use, inspection, maintenance, and limitations of the protective clothing and equipment assigned or available for their use.

3.10.c.2. The fire department shall ensure that all personnel wear and use appropriate personal protective equipment while working in known or suspected hazardous areas during technical rescue incidents and training exercises.

3.10.c.3. The fire department shall ensure that fresh-air breathing apparatus in the form of supplied air respirators or self-contained breathing apparatus (SCBA) are available when required for technical rescue operations. All apparatus shall be worn in accordance with the manufacturer's recommendations. An adequate supply source providing a minimum of Grade D breathing air shall be provided for all fresh-air breathing apparatus. Supplied air respirators shall be used in conjunction with a self-contained breathing air supply capable of providing enough air for egress in the event of a primary air supply failure.

3.11. Safety.

3.11.a. All personnel shall receive training related to the hazards and risks associated with technical rescue operations.

3.11.b. All personnel shall receive training for conducting rescue operations in a safe and effective manner while using appropriate PPE.

3.11.c. Where members are operating in positions or performing functions at an incident or training exercise that pose a high potential risk for injury, members qualified in basic life support shall be standing by.

3.11.d. Safety Officer. -- At technical rescue training exercises and in actual operations, the incident commander shall assign a safety officer with the specific knowledge and responsibility for the identification, the evaluation, and, when possible, the correction of hazardous conditions and unsafe practices. The safety officer shall be readily identifiable at all incidents.

3.12. Incident Management System.

3.12.a. The fire department shall utilize an incident management system when involved in emergency operations. All members involved in emergency operations shall be familiar with the system.

3.12.b. The fire department shall utilize an incident personnel accountability system.

§ 4. Rescue Categories and Operational Levels.

4.1. Structural Collapse. -- Organizations operating at structural collapse incidents shall meet all the requirements specified in section 3 of this rule.

4.1.a. Awareness-level functions at structural collapse incidents. -- Functions at this level shall include the following:

4.1.a.1. Size-up of existing and potential conditions at structural collapse incidents;

4.1.a.2. Identification of the resources necessary to conduct safe and effective structural collapse search and rescue operations;

4.1.a.3. Development and implementation of procedures for carrying out the emergency response system for structural collapse incidents;

4.1.a.4. Development and implementation of procedures for carrying out site control and scene management;

4.1.a.5. Recognition of general hazards associated with structural collapse incidents including the recognition of applicable construction types and categories and the expected behaviors of components and materials in a structural collapse;

4.1.a.6. Identification of five types of collapse patterns and potential victim locations;

4.1.a.7. Recognition of the potential for secondary collapse;

4.1.a.8. Development and implementation of procedures for conducting visual and verbal searches at structural collapse incidents, while using appropriate methods for the specific type of collapse;

4.1.a.9. Development and implementation of procedures for the recognition and implementation of the FEMA Task Force Search and Rescue Marking System, Building Marking System (structure/hazard evaluation), and Structure Marking System (structure identification within a geographic area); and

4.1.a.10. Development and implementation of procedures for the removal of readily accessible victims from structural collapse incidents;

4.1.b. Operations. -- Organizations operating at the operations level shall meet all awareness-level requirements specified in section 4.1.a. Additionally, members shall be capable of hazard recognition, equipment use, and techniques necessary to operate safely and effectively at structural collapse incidents involving the collapse or failure of light-frame ordinary construction and unreinforced and reinforced masonry construction.

4.1.b.1. Operations-level functions at structural collapse incidents for light-frame ordinary construction and reinforced and unreinforced masonry construction shall include the development and implementation of the following:

4.1.b.1.a. Procedures for recognizing unique collapse or failure hazards;

4.1.b.1.b. Procedures for search operations intended to locate victims trapped inside and beneath collapse debris;

4.1.b.1.c. Procedures for accessing victims trapped inside and beneath collapse debris;

4.1.b.1.d. Procedures for performing extrication operations involving packaging, treating, and removing victims trapped within and beneath collapse debris; and

4.1.b.1.e. Procedures for stabilizing the structure.

4.1.c. Technician. -- Organizations operating at the technician level shall meet the requirements of Sections 4.1.a and 4.1.b. Additionally, members shall be capable of hazard recognition, equipment use, and techniques necessary to operate safely and effectively at structural collapse incidents involving the collapse or failure of concrete tilt-up, reinforced concrete, and steel construction.

4.1.c.1. Technician-level functions at structural collapse incidents for concrete tilt-up, reinforced concrete, and steel construction shall include the development and implementation of the following:

4.1.c.1.a. Procedures for recognizing unique collapse or failure hazards;

4.1.c.1.b. Procedures for search operations intended to locate victims trapped inside and beneath collapse debris;

4.1.c.1.c. Procedures for accessing victims trapped inside and beneath collapse debris;

4.1.c.1.d. Procedures for performing extrication operations involving packaging, treating, and removing victims trapped within and beneath collapse debris; and

4.1.c.1.e. Procedures for stabilizing the structure.

4.2. Rope Rescue. -- Organizations operating at rope rescue incidents shall meet all the requirements specified in section 3 of this regulation.

4.2.1. Awareness. -- Awareness-level functions shall include the following:

4.2.1.a. Size-up of existing and potential conditions where rope rescue operations will be performed;

4.2.1.b. Identification of the resources necessary to conduct safe and effective rope rescue operations;

4.2.1.c. Development and implementation of procedures for carrying out the emergency response system where rescue is required;

4.2.1.d. Development and implementation of procedures for carrying out site control and scene management;

4.2.1.e. Recognition of general hazards associated with rope rescue and the procedures necessary to mitigate these hazards within the general rescue area; and

4.2.1.f. Development and implementation of procedures for the identification and utilization of personal protective equipment assigned for use at a rope rescue incident.

4.2.2. Operations. -- Organizations operating at the operations level shall meet all requirements specified in sections 4.2.1.

4.2.2.a. Operations-level functions shall include the development and implementation of the following:

4.2.2.a.1. Procedures for the selection, construction, and use of rope-based mechanical advantage systems;

4.2.2.a.2. Procedures for establishing the need, selecting the proper equipment, and placing edge protection;

4.2.2.a.3. Procedures for the safe construction and use of single-point and multipoint anchor systems within the scope of the organization=s training;

4.2.2.a.4. Procedures for the safe selection, construction, and use of an appropriate belay system;

4.2.2.a.5. Procedures for selection, construction, and use of a lowering system within the scope of the organization=s training;

4.2.2.a.6. Procedures for properly tying any knots used by the rope rescue team;

4.2.2.a.7. Procedures for assuring safety in rope rescue operations;

4.2.2.a.8. Procedures for appropriately packaging a patient in a litter;

4.2.2.a.9. Procedures for the selection, use, and maintenance of proper rope rescue equipment and rope rescue systems;

4.2.2.a.10. Procedures for selection, construction, and use of a raising system in the low-angle environment;

4.2.2.a.11. Procedures for safely ascending and descending a fixed rope within the scope of the organization=s training; and

4.2.2.a.12. Procedures for using litter attendants in the low-angle environment.

4.2.3. Technician. -- Organizations operating at the technician level shall meet all requirements specified in sections 4.2.1 and 4.2.2. Technician-level functions shall include the development and implementation of the following:

4.2.3.a. Procedures for the safe construction and use of load distributing anchor systems;

4.2.3.b. Procedures for the selection, construction, and use of a high-line rope system within the scope of the organization=s training;

4.2.3.c. Procedures for the selection, construction, and use of a rope-based raising system in a high-angle environment within the scope of the organization=s training;

4.2.3.d. Procedures for passing knots through a rope rescue system; and

4.2.3.e. Procedures for using litter attendants in the high-angle environment.

4.3. Confined Space. -- Organizations operating at confined space incidents shall meet all the requirements specified in section 3 of this regulation.

4.3.1. Awareness. -- Organizations operating at the awareness level shall be responsible for performing certain nonentry rescue (retrieval) operations. Awareness-level functions for confined space rescue incidents shall include the following:

4.3.1.a. Size-up of existing and potential conditions;

4.3.1.b. Initiation of contact and establishment of communications with victims where possible;

4.3.1.c. Recognition and identification of the hazards associated with nonentry confined space emergencies;

4.3.1.d. Recognition of confined spaces;

4.3.1.e. Procedures to perform a nonentry retrieval;

4.3.1.f. Procedures for implementing the emergency response system for confined space emergencies; and

4.3.1.g. Procedures for implementing site control and scene management.

4.3.2. Operations. -- Organizations operating at the operations level shall meet the requirements of Sections 4.3.1. The organization at this level shall be responsible for the development and training of a confined space rescue team consistent with the requirements of this section. Operations-level functions for confined space rescue operations shall include the following:

4.3.2.a. Procedures for protecting personnel from hazards within the confined space;

4.3.2.b. Continued size-up of existing and potential conditions;

4.3.2.c. Procedures for assuring that personnel are capable of appropriately managing the physical and psychological challenges that effect rescuers entering confined spaces;

4.3.2.d. Identification of the duties of the rescue entrant(s) and back-up rescue entrant(s), rescue attendant, and rescue team leader;

4.3.2.e. Procedures to monitor continuously, or at frequent intervals, the atmosphere in all parts of the space to be entered and to monitor for, in the following order, oxygen content, flammability (LEL/LFL), and toxicity;

4.3.2.f. Procedures for entry-type rescues into confined spaces meeting all of the following specific qualifying characteristics:

4.3.2.f.1. The internal configuration of the space is clear and unobstructed so retrieval systems can be utilized for rescuers without possibility of entanglement;

4.3.2.f.2. The victim can be easily seen from the outside of the space=s primary access opening;

4.3.2.f.3. Rescuers can pass easily through the access/egress opening(s) with room to spare when PPE is worn in the manner recommended by the manufacturer;

4.3.2.f.4. The space can accommodate two or more rescuers in addition to the victim; and

4.3.2.f.5. All hazards in and around the confined space have been identified, isolated, and controlled.

4.3.2.g. Procedures for the safe and effective use of victim packaging devices that could be employed in confined space rescue;

4.3.2.h. Procedures for the transfer of victim information including location, surroundings, condition when found, present condition, and other information pertinent to emergency medical services ;

4.3.2.i. Procedures for planning and implementing an appropriate confined space rescue operation; and

4.3.2.j. Procedures for selection, construction, and use of a rope lowering and raising system in the high-angle environment.

4.3.3. Technician. Organizations operating at the technician level shall meet the requirements of Sections 4.3.1 and 4.3.2. The organization at this level shall be responsible for the development and training of a confined space rescue team consistent with the requirements of this section. Technician-level functions for confined space rescue operations shall include the following:

4.3.3.a. Continued size-up of existing and potential conditions;

4.3.3.b. Procedures to assure that rescue team members shall take part in a medical surveillance program;

4.3.3.c. Planning response for entry-type confined space rescues in hazardous environments; and

4.3.3.d. Implementation of the planned response.

4.4. Vehicle and Machinery. -- Organizations operating at vehicle and/or machinery rescue incidents shall meet all the requirements specified in section 3 of this regulation.

4.4.1. Awareness. -- Awareness-level functions at vehicle and machinery rescue incidents shall include the development and implementation of the following:

4.4.1.a. Procedures to conduct a size-up of existing and potential conditions;

- 4.4.1.b. Procedures for the identification of the resources necessary to conduct safe and effective operations;
- 4.4.1.c. Procedures for implementing the emergency response system for vehicle and/or machinery rescue incidents;
- 4.4.1.d. Procedures for implementing site control and scene management;
- 4.4.1.e. Recognition of general hazards associated with vehicle and/or machinery rescue incidents;
- and

****4.4.1.f. Procedures for the initiation of traffic control.**

4.4.2. Operations. -- Organizations operating at the operations level shall meet all the requirements specified in sections 4.4.1. Additionally, members shall be capable of hazard recognition, equipment use, and techniques necessary to operate safely and effectively at incidents involving persons injured or entrapped in a vehicle or machinery. Operations-level functions at vehicle and/or machinery rescue incidents shall include the development and implementation of the following:

- 4.4.2.a. Procedures to identify probable victim locations and survivability;
- 4.4.2.b. Procedures for making the rescue area safe, including the stabilization and isolation (e.g., lockout/tagout) of all vehicles and/or machinery;
- 4.4.2.c. Procedures to identify, contain, and stop fuel release;
- 4.4.2.d. Procedures for the protection of a victim during extrication/disentanglement;
- 4.4.2.e. Procedures for the packaging of a victim prior to extrication and/or disentanglement;
- 4.4.2.f. Procedures for accessing victims trapped in a vehicle and/or machinery;
- 4.4.2.g. Procedures for performing extrication and disentanglement operations involving packaging, treating, and removing victims trapped in vehicles and/or machinery through the use of hand tools;
- 4.4.2.h. Procedures for the mitigation and management of general and specific hazards (i.e., fires and explosions) associated with vehicle and/or machinery rescue incidents;
- 4.4.2.i. Procedures for the procurement and utilization of the resources necessary to conduct safe and effective vehicle and/or machinery rescue operations; and

****4.4.2.j. Procedures for maintaining control of traffic at the scene of vehicle and/or machinery rescue incidents.**

4.4.3. Technician. -- Organizations operating at the technician level shall meet all the requirements specified in sections 4.4.1 and 4.4.2. Additionally, members shall be capable of hazard recognition, equipment use, and techniques necessary to operate and effectively supervise at vehicle and/or machinery rescue incidents. Technician-level functions at vehicle and/or machinery rescue incidents shall include the development and implementation of the following:

4.4.3.a. Procedures for performing extrication and disentanglement operations involving packaging, treating, and removing victims injured and/or trapped in large/heavy vehicles and/or machinery;

4.4.3.b. Procedures for the advanced stabilization of unusual vehicle and machinery rescue situations;
and

4.4.3.c. Procedures for the use of all specialized rescue equipment immediately available and in use by the organization.

4.5. Water Rescue. -- Organizations operating at water incidents shall meet all the requirements specified in section 3 of this regulation.

4.5.1. Awareness. -- Organizations operating at the awareness level shall meet all the requirements in section 4.5.1. Awareness-level functions at water incidents shall include the development and implementation of the following:

4.5.1.a. Procedures for implementing the assessment phase;

4.5.1.b. Procedures for size-up of existing and potential conditions;

4.5.1.c. Procedures for the identification of the resources necessary to conduct safe and effective water operations;

4.5.1.d. Procedures for implementing the emergency response system for water incidents;

4.5.1.e. Procedures for implementing site control and scene management;

4.5.1.f. Procedures for recognition of general hazards associated with water incidents and the procedures necessary to mitigate these hazards within the general rescue area; and

4.5.1.g. Procedures to determine rescue versus body recovery.

4.5.2. Operations. -- Organizations operating at the operations level shall meet all the requirements specified in section 4.5.1. For the purposes of this regulation, there shall be three separate water-related disciplines for the operations level: dive, ice, and swift water. Organizations operating at the operations level of one or more specific disciplines shall meet the appropriate requirements of this regulation as they relate to the specific discipline as well as the specific requirements of that discipline.

4.5.2.a. For personnel operating in the hazard zone, the minimum personal protective equipment (PPE) provided shall include the following:

4.5.2.a.1. Personal flotation device (PFD);

4.5.2.a.2. Thermal protection;

4.5.2.a.3. Helmet appropriate for water rescue;

4.5.2.a.4. Cutting device;

4.5.2.a.5. Whistle; and

4.5.2.a.6. Contamination protection (as needed).

4.5.2.b. Operations-level functions at all water incidents shall include the development and implementation of the following:

4.5.2.b.1. Procedures to insure personal safety at water operations;

4.5.2.b.2. Procedures to assess water conditions in terms of hazards to the victim and rescuer;

4.5.2.b.3. Procedures to separate, isolate, secure, and interview witnesses;

4.5.2.b.4. Procedures to determine the method of victim entrapment;

4.5.2.b.5. Procedures to evaluate the progress of the planned response to ensure the objectives are being met safely, effectively, and efficiently;

4.5.2.b.6. Procedures to safely and effectively conduct shore-based rescue operations;

4.5.2.b.7. Procedures using throw bags;

4.5.2.b.8. Procedures to supply assistance with rigging and mechanical advantage systems to technician-level personnel;

4.5.2.b.9. Procedures to deploy, operate, and recover any watercraft used by the organization;

4.5.2.b.10. Procedures for survival swimming and self-rescue;

4.5.2.b.11. Procedures for identifying and managing heat and cold stress to the rescuer while utilizing PPE;

4.5.2.b.12. Procedures for the safe and effective use of victim packaging devices that could be employed by the organization for water rescue;

4.5.2.b.13. Procedures for the transfer of victim information including location, surroundings, condition when found, present condition, and other information pertinent to emergency medical services;

4.5.2.b.14. Procedures for boat-assisted and boat-based operations if boats are used by the organization;

4.5.2.b.15. A plan to meet operational objectives;

4.5.2.b.16. Procedures for rapid extrication of accessible victims; and

4.5.2.b.17. Procedures for surface water-based search operations.

4.5.2.c. Dive. Operations-level functions at dive incidents shall include the development and implementation of the following:

4.5.2.c.1. Procedures for the recognition of the unique hazards associated with dive operations;

4.5.2.c.2. Procedures for serving as surface support personnel;

4.5.2.c.3. Procedures for the identification of water characteristics;

4.5.2.c.4. Procedures for the operation of surface support equipment used in water operations;

4.5.2.c.5. Procedures for procuring the necessary equipment to perform dive operations;

4.5.2.c.6. Procedures for the safe entry and recovery of divers from the water; and

4.5.2.c.7. Procedures for participating in safe dive operations in any climate the organization can encounter.

4.5.2.d. Ice. Operations-level functions at ice rescue incidents shall include the development and implementation of the following:

4.5.2.d.1. Procedures for the recognition of the unique hazards associated with ice rescue operations;

4.5.2.d.2. Procedures for the identification of water and ice characteristics;

4.5.2.d.3. Procedures for the operation of surface support equipment used in water/ice rescue operations;

4.5.2.d.4. Procedures for procuring the necessary equipment to perform ice rescue operations;

4.5.2.d.5. Procedures to recognize and deal with a victim=s hypothermia; and

4.5.2.d.6. Procedures for the safe entry of divers into the water through an ice hole, if ice diving is performed by the organization.

4.5.2.e. Swift Water. Organizations operating at the operations level shall meet all the operations-level requirements specified in section 3 of this standard. Operations-level functions at swift water rescue incidents shall include the development and implementation of the following:

4.5.2.e.1. Procedures to assess moving water conditions, characteristics, and features in terms of hazards to the victim and rescuer;

4.5.2.e.2. Procedures to determine the method of victim entrapment;

4.5.2.e.3. Procedures for using tag lines and tension diagonals (zip lines); and

4.5.2.e.4. Procedures for self-rescue and survival swimming in swift water.

4.5.3. Technician. - - Organizations operating at the technician level shall meet all the requirements specified in 4.5.1 through 4.5.2. Organizations operating at the technician level of one or more specific disciplines shall meet the requirements as they relate to the specific discipline as well as the specific requirements of that discipline.

4.5.3.a. Personnel operating within an organization at the technician level shall possess a level of skill and comfort appropriate to the required task.

4.5.3.b. Technician-level functions at all water rescues shall include the development and implementation of the following:

4.5.3.b.1. Procedures required to plan a response within the capabilities of available resources;

4.5.3.b.2. Procedures to implement a planned response consistent with the organization's capabilities;

4.5.3.b.3. Procedures for conducting both boat-assisted and boat-based rescues; and

4.5.3.b.4. Procedures to conduct a Agonist rescue.

4.5.3.c. Technician level dive rescue. At the entry level and for any specialties utilized by an organization at the technician level, the department shall ensure provision of certification by a nationally recognized dive training agency. The curriculum for such certification shall be oriented toward the needs and operational requirements of public safety diving.

4.5.3.c.1. Annual fundamental SCUBA skill reviews shall be conducted to maintain public safety diver capability.

4.5.3.c.2. Technician-level functions at dive incidents shall include the development and implementation of the following:

4.5.3.c.2.a. Procedures for skin and SCUBA diving, including the use of any associated equipment;

4.5.3.c.2.b. Procedures for the application of physics and physiology as they relate to the underwater environment;

4.5.3.c.2.c. Procedures for the safe use of dive tables;

4.5.3.c.2.d. Procedures for dealing with the various underwater environments with which the rescue diver could come into contact;

4.5.3.c.2.e. Procedures for avoiding and dealing with underwater plants and animals;

4.5.3.c.2.f. Procedures for the safe conduct and supervision of dive operations;

4.5.3.c.2.g. Procedures for the use of relevant search theory and techniques;

4.5.3.c.2.h. Procedures for the identification and management of dive-related maladies including air embolism and decompression sickness;

4.5.3.c.2.i. Procedures for recognizing and managing the impact of near-drowning in cold water; and

4.5.3.c.2.j. Procedures for effective underwater communication.

4.5.3.d. Technician Level Ice Rescue. Technician-level functions at ice rescue incidents shall include the development and implementation of the following:

4.5.3.d.1. Procedures for self-rescue unique to ice rescue;

4.5.3.d.2. Procedures for reach, throw, row, and go technique rescues unique to ice rescue; and

4.5.3.d.3. Procedures for the use of watercraft, specialty craft, and specialty equipment unique to ice rescue.

4.5.3.e. Technician Level Swift Water Rescue. Technician-level functions at swift water rescues shall include the development and implementation of procedures for the application of rope rescue techniques in the swift water environment.

4.6. Lost Person Search and Rescue. Organizations operating at lost person search and rescue incidents shall meet all the requirements specified in section 3 of this rule.

4.6.1. Fire departments involved in a lost person search shall evaluate the effects of severe weather, extreme heights, difficult terrain, high-altitude operations, and other difficult conditions to determine whether their present training program has prepared the organization to operate safely.

4.6.2. Awareness. Members of organizations at the awareness level shall be permitted to assist in support functions on a lost person search and rescue operation but shall not be deployed into the wilderness.

4.6.2.a. Awareness-level functions at a lost person incident shall include the following:

4.6.2.a.1. Conducting a size-up of existing and potential conditions;

4.6.2.a.2. Developing and implementing procedures for implementing the emergency response system for search and rescue;

4.6.2.a.3. Implementing site control and scene management;

4.6.2.a.4. Recognizing the general hazards associated with lost person search and rescue incidents;

4.6.2.a.5. Recognizing the type of terrain involved in lost person search and rescue incidents;

4.6.2.a.6. Recognizing the limitations of conventional emergency response skills and equipment in various lost person environments;

4.6.2.a.7. Initiating the collection and recording of information necessary to assist operational personnel in a lost person search and rescue; and

4.6.2.a.8. Identifying and isolating the reporting party(s) and witnesses.

4.6.2.b. Operations. Organizations operating at the operations level shall meet the requirements of section 4.6.1. Additionally, organizations operating at the operations level shall meet all the requirements specified in section 3 of this rule.

4.6.2.b.1. Operations-level functions shall be under the supervision of personnel from technician-level organizations. The fire department shall establish standard operating procedures that identify the specific environments in which operations-level personnel can safely operate. Outside of these specific environments, personnel from technician-level organizations or special resources shall be utilized.

4.6.2.b.2. Operations-level functions at a lost person incident shall include the following:

4.6.2.b.2.a. Request of and interface with lost person search and rescue resources;

4.6.2.b.2.b. Provision of the specialized medical care that is unique to the lost person environment;

4.6.2.b.2.c. Personal survival, body management, and preparedness for the specific lost person environments in which the rescuer could become involved;

4.6.2.b.2.d. Recognition of the need for, and procedures and equipment for the provision of, environmental protection through clothing systems appropriate for the specific lost person environments in which the rescuer could become involved;

4.6.2.b.2.e. Selection, care, and use of appropriately packed and carried personal medical and support equipment;

4.6.2.b.2.f. Ability to travel safely through various lost person environments in which the rescuer could become involved;

4.6.2.b.2.g. Land navigation techniques using map and compass as well as any methods of navigation and position reporting utilized by the responding organizations with which the rescuer could become involved;

4.6.2.b.2.h. Procurement of any necessary maps and navigational and topographical information;

4.6.2.b.2.i. Modification of actions and urgency appropriately for a rescue versus a body recovery;

4.6.2.b.2.j. Acquisition of information on current and forecast weather including temperature, precipitation, and winds;

4.6.2.b.2.k. Participation in and support of lost person search operations intended to locate victims whose exact location is unknown;

4.6.2.b.2.l. Access to, as well as extrication of, victims in any specific lost person environments and terrain encountered in the response area;

4.6.2.b.2.m. Utilization, recognition, and identification of all rescue hardware and software used by the responding organizations with which the rescuer could become involved;

4.6.2.b.2.n. Ability to work safely in and around any aircraft, watercraft, and special vehicles used for search and rescue operations; and

4.6.2.b.2.o. Recognition of the team's limitations regarding accessing and/or evacuating a victim.

4.6.2.c. Technician. Organizations operating at the technician level shall meet the requirements of sections 4.6.2.a. and 4.6.2.b. Additionally, organizations operating at the technician level shall meet the requirements of sections 3 of this rule.

4.6.2.c.1. Organizations operating at the technician level shall be capable of performing and supervising lost person technical rescue incidents that involve both search and rescue operations.

4.6.2.c.2. Fire department lost person search and rescue teams at the technician level shall not be required to specialize in all aspects of lost person rescue. The ability of the team to respond at the technician level in one aspect shall not imply the ability to respond at the technician level in all aspects of lost person rescue.

4.6.2.c.3. Technician-level functions at a lost person incident shall include the following:

4.6.2.c.3.a. Acquisition, utilization, and coordination of search and rescue resources with which the rescuer could become involved;

4.6.2.c.3.b. Development of or provision of input to necessary standard operating procedures for anticipated lost person responses;

4.6.2.c.3.c. Performance of search and rescue operations in all lost person search and rescue environments; and

4.6.2.c.3.d. Development of and implementation of an operational plan for search and rescue.

4.7. Trench and Excavation Rescue. Organizations operating at trench and excavation incidents shall meet all the requirements specified in section 3 of this rule.

4.7.1. The fire department shall evaluate the effects of severe weather, extremely hazardous trench or excavation situations, and other difficult conditions to determine whether their present training program has prepared the organization to operate safely.

4.7.2. Awareness. Awareness-level functions at trench and excavation emergencies shall include the following:

4.7.2.a. Size-up of existing and potential conditions;

4.7.2.b. Identification of the resources necessary to conduct safe and effective trench and excavation emergency operations;

4.7.2.c. Development and implementation of procedures for carrying out the emergency response system for trench and excavation emergency incidents;

4.7.2.d. Development and implementation of procedures for carrying out site control and scene management;

4.7.2.e. Recognition of general hazards associated with trench and excavation emergency incidents and the procedures necessary to mitigate these hazards within the general rescue area;

4.7.2.f. Recognition of typical trench and excavation collapse patterns, the reasons trenches and excavations collapse, and the potential for secondary collapse;

4.7.2.g. Development and implementation of procedures for making a rapid, nonentry extrication of noninjured or minimally injured victim(s); and

4.7.2.h. Recognition of the unique hazards associated with the weight of soil and its associated entrapping characteristics.

4.7.3. Operations. Organizations operating at the operations level shall meet all requirements specified in Section 4.7.2. Additionally, members shall be capable of hazard recognition, equipment use, and techniques necessary to operate safely and effectively at trench and excavation emergencies, including the collapse or failure of individual, nonintersecting trenches with an initial depth of 8 ft (2.44 m) or less where no severe environmental conditions exist, digging operations do not involve supplemental sheeting and shoring, and only traditional sheeting and shoring are used. Operations-level functions at trench and excavation emergencies shall include the following:

4.7.3.a. Development and implementation of procedures to make an entry into a trench or excavation rescue area;

4.7.3.b. Recognition of unstable areas associated with trench and excavation emergencies and adjacent structures;

4.7.3.c. Development and implementation of procedures to identify probable victim locations and survivability;

4.7.3.d. Development and implementation of procedures for making the rescue area safe, including the identification, construction, application, limitations, and removal of traditional sheeting and shoring using tabulated data and approved engineering practices;

4.7.3.e. Development and implementation of procedures for initiating a one-call utility location service;

4.7.3.f. Identification of soil types using accepted visual or manual tests;

4.7.3.g. Development and implementation of procedures to ventilate the trench or excavation space;

4.7.3.h. Identification and recognition of a bell-bottom excavation (pier hole) and its associated unique hazards;

4.7.3.i. Development and implementation of procedures for placing ground pads and protecting the Alip@ of a trench or excavation;

- personnel;
- 4.7.3.j. Development and implementation procedures to provide entry and egress paths for entry personnel;
 - 4.7.3.k. Development and implementation procedures for conducting a pre-entry briefing;
 - 4.7.3.l. Development and implementation procedures for record keeping and documentation during entry operations;
 - 4.7.3.m. Development and implementation of procedures for implementing and utilizing a rapid intervention team (RIT);
 - 4.7.3.n. Development and implementation of procedures for the selection, utilization, and application of shield systems;
 - 4.7.3.o. Development and implementation of procedures for the selection, utilization, and application of sloping and benching systems;
 - 4.7.3.p. Identification of the duties of panel teams, entry teams, and shoring teams;
 - 4.7.3.q. Development and implementation of procedures for assessing the mechanism of entrapment and the method of victim removal; and
 - 4.7.3.r. Development and implementation of procedures for performing extrication.

4.7.4. Technician. Organizations operating at the technician level shall meet all requirements specified in sections 4.7.2 and 4.7.3. Additionally, members shall be capable of hazard recognition, equipment use, and techniques necessary to operate safely and effectively at trench and excavation emergencies, including the collapse or failure of individual or intersecting trenches with an initial depth of more than 8 ft (2.4 m) or where severe environmental conditions exist, digging operations involve supplemental sheeting and shoring, or manufactured trench boxes and/or isolation devices would be used. Technician-level functions at trench and excavation emergencies shall include the development and implementation of the following:

- 4.7.4.a. Procedures for the identification, construction, application, limitations, and removal of manufactured protective systems using tabulated data and approved engineering practices;
- 4.7.4.b. Procedures to continuously, or at frequent intervals, monitor the atmosphere in all parts of the trench to be entered. This monitoring shall be done, in the following order, for oxygen content, flammability (LEL/LFL), and toxicity;
- 4.7.4.c. Procedures for the identification, construction, application, limitations, and removal of supplemental sheeting and shoring systems designed to create approved protective systems;
- 4.7.4.d. Procedures for the adjustment of protective systems based on digging operations and environmental conditions; and
- 4.7.4.e. Procedures for rigging and placement of isolation systems.

4.8. Cave Rescue. Organizations operating at cave rescue incidents shall meet all the requirements specified in section 3 of this rule.

4.8.1. Fire departments involved in a cave rescue shall evaluate the effects of severe weather, extreme heights, difficult terrain, high-altitude operations, and other difficult conditions to determine whether their present training program has prepared the organization to operate safely.

4.8.2. Awareness. Members of organizations operating at the awareness level shall be permitted to assist in support functions on a cave rescue but shall not be deployed into the cave. Minimal training for members of organizations at the awareness level shall be the National Cave Rescue Commission Orientation to Cave Rescue Class or equivalent. Awareness-level functions at cave rescue emergencies shall include the following:

4.8.2.a. Size-up of existing and potential conditions;

4.8.2.b. Identification of the resources necessary to conduct safe and effective cave rescue emergency operations;

4.8.2.c. Development and implementation of procedures for carrying out the emergency response system for cave rescue emergency incidents;

4.8.2.d. Development and implementation of procedures for carrying out site control and scene management;

4.8.2.e. Recognition of general hazards associated with cave rescue emergency incidents and the procedures necessary to mitigate these hazards within the general rescue area;

4.8.2.f. Establishment of command and staging areas; and

4.8.2.g. Recognition of the type of cave and of the unique hazards associated with caves so as to identify the resources that may be required to perform a cave rescue.

4.8.3. Operations. Operations level functions shall be under the supervision of personnel from technician level organizations. The fire department shall establish standard operating procedures that identify the specific cave environments in which operations level personnel can operate safely. Outside of these specific environments, personnel from technician level organizations or special resources shall be utilized. Operations level functions shall include:

4.8.3.a. Procedures for protecting personnel from hazards within the cave;

4.8.3.b. Continued size-up of existing and potential conditions;

4.8.3.c. Request of and interface with cave rescue resources;

4.8.3.d. Provision of the specialized medical care that is unique to the cave environment;

4.8.3.e. Personal survival, body management, and preparedness for the specific cave rescue incident in which the rescuer could become involved;

4.8.3.f. Recognition of the need for, and procedures and equipment for the provision of, environmental protection through clothing systems appropriate for the specific cave rescue incident in which the rescuer could become involved;

4.8.3.g. Selection, care, and use of appropriate personal equipment specific to the cave environment such as lighting systems, helmets, and single rope techniques equipment;

4.8.3.h. Ability to travel safely through various cave environments in which the rescuer could become involved;

4.8.3.i. Procurement of any necessary maps relevant to the specific cave rescue incident;

4.8.3.j. Modifications of actions and urgency appropriate for a rescue versus a body recovery;

4.8.3.k. Acquisition of information on current and forecast weather and its potential effects on the cave rescue operations;

4.8.3.l. Participation in and support of cave rescue operations intended to locate victims whose exact location is unknown;

4.8.3.m. Utilization, recognition, and identification of all rescue hardware and software used by responding organizations with which the rescuer could become involved;

4.8.3.n. Ability to work and travel safely within a cave; and

4.8.3.o. Recognition of the team and rescuers limitations regarding accessing and/or evacuating a victim.

4.8.4. Technician. The organization at this level shall be responsible for the development and training of a cave rescue team consistent with the requirements of this section. Technician-level functions for cave rescue operations shall include the following:

4.8.4.a. Organizations operating at the technician level shall be capable of performing and supervising cave rescue incidents that involve both search and rescue operations.

4.8.4.b. Fire department cave rescue teams at the technician level shall not be required to specialize in all aspects of cave rescue. The ability of the team to respond at the technician level in one aspect shall not imply the ability to respond at the technician level in all aspects of cave rescue.

4.8.4.c. Acquisition, utilization, and coordination of cave rescue resources with which the rescuer could become involved; and

4.8.4.d. Development of and implementation of an operational plan for cave rescue incidents.

4.9. Mine Rescue. Organizations operating at mine rescue incidents shall meet all the requirements specified in section 3 of this rule.

4.9.1. Fire departments involved in a mine rescue shall evaluate the effects of severe weather, extreme heights, difficult terrain, high-altitude operations, and other difficult conditions to determine whether their present training program has prepared the organization to operate safely.

4.9.2. Awareness. Awareness-level functions at mine rescue emergencies shall include the following:

4.9.2.a. Size-up of existing and potential conditions;

4.9.2.b. Identification of the resources necessary to conduct safe and effective mine rescue emergency operations in conjunction with appropriate mining industry and state and federal regulatory agencies;

4.9.2.c. Development and implementation of procedures for carrying out the emergency response system for mine rescue emergency incidents;

4.9.2.d. Development and implementation of procedures for carrying out site control and scene management;

4.9.2.e. Recognition of general hazards associated with mine rescue emergency incidents and the procedures necessary to mitigate these hazards within the general rescue area;

4.9.2.f. Procedures to perform a nonentry retrieval; and

4.9.2.g. Recognition of the unique hazards associated with mines.

4.9.3. Operations and Technician-level functions are those in which a fire department mine rescue team would be expected to conduct any operations beyond the mine opening. Only departments trained in accordance with rules and regulations of and certified by the West Virginia department of miner health and safety and the United States mine safety and health administration may conduct interior mine rescue operations. All departments operating at these levels at mine rescue incidents may only do so after obtaining the applicable certifications issued by the appropriate agency or agencies.

§ 5. Required Training for Rescue Activities. -- Only departments receiving training offered or accredited by West Virginia University Fire Service Extension or determined by West Virginia University to be equivalent to training provided by its Fire Service Extension shall perform rescue services as envisioned by this rule.

§ 6. Implementation. The different levels of rescue operations identified by this rule shall become effective as follows:

6.1. Departments performing rescue at an Awareness level shall have two years from the effective date of this rule to fully meet the requirements of that level of operation;

6.2. Departments performing rescue at an Operations level shall have four years from the effective date of this rule to fully meet the requirements of that level of operation;

6.3. Departments performing rescue at a Technician level shall have five years from the effective date of this rule to fully meet the requirements of that level of operation; and

6.4. After the conclusion of the aforementioned phase-in periods, departments meet the training requirements of the level of operations for the type of rescue that they choose to provide at the time they begin to offer such services.

§ 7. Notification of Services Provided. -- Not more often than annually, but at an interval to be determined by the West Virginia State Fire Commission, departments shall report to the West Virginia State Fire Marshal, on forms to be prescribed by the state fire commission, those rescue services they provide. Such information shall be used to develop a statewide resource listing of special rescue resources available in times of statewide or multi-jurisdictional emergencies.