



Urban Search and Rescue Standard by EMAP

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2016 National US&R Standard

The Urban Search and Rescue Standard by EMAP has been developed through a series of working group meetings with stakeholders from government, business and other sectors. Scalable yet rigorous, the Urban Search and Rescue Standard establishes criteria for the administration, operational, and logistics readiness of Urban Search and Rescue Teams (US&R) in support of the National Urban Search and Rescue Response System.

Publication Note

The *Urban Search and Rescue (US&R) Standard* by Emergency Management Accreditation Program (EMAP) is designed as a tool for continuous improvement as part of a voluntary certification process for US&R Resources. The Emergency Management Accreditation Program (EMAP) makes no representation or guarantee as to the efficacy of any program as a result of use of or compliance with the standards contained herein. EMAP makes no guaranty or warranty as to the completeness of information in this document, and EMAP expressly disclaims liability for any personal injury or damages of any nature resulting from the publication, use of, or reliance on this document. Standard language has been developed through federal financial assistance and through a series of collaborative workshops and committee and commission meetings.

The *Urban Search and Rescue Standard* by EMAP is reviewed on a three-year review cycle. For more information on the standards review cycle and when public comment periods are open, please see the appendix or the EMAP web site at www.emap.org.

Urban Search and Rescue Standard

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FOREWORD

The Emergency Management Accreditation Program (EMAP), as an independent non-profit organization, fosters excellence and accountability in emergency management and homeland security programs by establishing credible standards applied in a peer review accreditation and certification.

Because of concerns about catastrophic disasters and the impact on urban environments, the nation's leaders and citizens acknowledge a need to efficiently and effectively strengthen the disaster response capabilities for US&R Resources. The *Urban Search and Rescue Standard* by EMAP has been collaboratively developed, serving as a compendium of national standards for administration, operations, and logistical readiness. The standard provides a means for strategic and operational improvement of US&R Resources, culminating in safer, enhanced capabilities required for an efficient and effective response.

The *Urban Search and Rescue Standard* by EMAP is a scalable yet rigorous national standard for local, tribal, territorial, regional, state, national, non-governmental, private sector and international US&R Resources. It has been collaboratively developed through a series of work group meetings with stakeholders from all levels of government, business, and other sectors. The *Urban Search and Rescue Standard* by EMAP is dynamic and will continue to evolve to represent the best-combined knowledge, skills and abilities of US&R Resources nationwide.

Key terminology is addressed within the *Urban Search and Rescue Standard* by EMAP. When a word or phrase is not specifically provided in the definitions, the common terminology applies.

This edition of the *Urban Search and Rescue Standard* by EMAP incorporates revisions recommended to the EMAP Commission by the Technical Committee, based on public comments and proposals pursuant to ANSI Standards, as well as user input. EMAP acknowledges that federal financial assistance was provided for the development of this Standard.

Collaboration from all stakeholders is desired and encouraged by the EMAP Commission to keep the *Urban Search and Rescue Standard* by EMAP current as it serves as a standard of excellence for all US&R Resource.

Urban Search and Rescue Standard

Chapter 1: Administration

1.1: Purpose

The *Urban Search and Rescue Standard* establishes the minimum acceptable performance criteria for the management, operations and logistical readiness elements required of a US&R Resource. These standards are intended to provide a foundation of sound practices in the performance of the US&R mission.

1.2: Application

This document applies to any organization having a US&R capability seeking alignment with the National US&R Response System readiness requirements and those US&R Resources seeking enhancements through the application of a recognized assessment standard for certification and validation.

Chapter 2: Definitions

2.1 Activated or Activation. The status of the US&R Resource placed at the direction, control and funding of the requesting authority in response to, or in anticipation of a response.

2.2 Activation Order. The Authority Having Jurisdiction communication placing the US&R Resources under the direction, control, and funding of the requesting authority.

2.3 Advisory. An Advisory Notification is issued for information purposes only and does not require formal action. It provides a means for sharing information concerning events that could develop into a disaster situation.

2.4 Alert (Alert Order). The Alert or Alert Order is issued when an event has occurred or is imminent, and that may require the response of US&R assets. Additionally, US&R Resources may be notified/advised to standby for deployment, in a timely manner.

2.5 Applicant. An US&R Resource that seeks to fulfill the requirements for certification and has submitted a certification application.

2.6 Authority Having Jurisdiction (AHJ). An organization, office, or individual having statutory responsibility for enforcing the requirements of a code or standard or for approving equipment, materials, and installation or a procedure (NFPA 1600). For the specific purposes of this standard, the relevant AHJ is the Federal, State, or a jurisdiction within the State having responsibility for preparedness, response, and recovery based upon law, statute, or ordinance.

2.7 Cooperative Agreement. A legal instrument between local, state, tribal, or federal agencies and the Sponsoring Agency that provides funds to accomplish a public purpose.

2.8 Disaster Search Canine. A dog that has successfully completed the FEMA US&R Canine Search Team Certification Evaluation (CSTCE) or equivalent certification.

2.9 Disaster Canine Search Team. A disaster search canine and handler who have successfully completed the FEMA US&R CSTCE or equivalent certification.

2.10 Deployable personnel. Rostered members of the US&R Resource who have completed all general and position-specific required training, according to the Annex of the Standard, and are administratively deployable.

2.11 Enabling Authority. Governmental and/or organizational documentation providing and establishing the formal creation of management, administration, operation, and sustainment of a US&R resource. Enabling authorities for the US&R Resource may be established at any level of government or organizational entity and include multi-jurisdiction structures. Enabling authorities may be vested in documentation including, but not limited to, laws, rules, regulations, policy, contractual and/or governmental agreements, etc.

2.12 Fully qualified. Rostered members of the US&R Resource who have completed all general and position-specific training and are administratively fully qualified.

2.13 Management process. May include human resources, information technology, facilities and other support functions (i.e. legal, medical, public affairs).

2.14 Memorandum of Agreement/Understanding (MOA/MOU). Is a document written between parties to cooperate on an agreed upon project or meet an agreed objective. The purpose of an MOA/MOU is to have a written understanding of the agreement between parties.

2.15 Sponsoring Agency (SA). A State, Local Government or other entity empowered through enabling authority that administers a US&R Resource.

2.16 Succession Development Policies. An established policy that includes administrative procedures and guidelines for the identification, training, and development of supervisory and management level personnel for the purposes of maintaining the long term sustainability of the administrative and operational readiness of the Task Force.

2.17 Training and Exercise Plan. A training and exercise plan to include continuing education covering each of the functional areas, as well as certification training for new members, succession training for supervisory and managerial levels, and the maintenance of expiring certifications. The training plan will include annual mobilization exercises and operational readiness exercises. All currency related certificated program or Technical/Specialist training that seeks regular retention skills sets requires exercise of continuing education.

2.18 Urban Search and Rescue (US&R). US&R Resources provide coordinated, all-hazards capability for locating, extricating, and providing initial medical stabilization of survivors of structural collapse, and conduct other life-saving operations.

Chapter 3: Urban Search and Rescue

3.1: Program Management.

Standard 3.1.1

The Sponsoring Agency and/or Authority Having Jurisdiction (SA/AHJ) has documented management processes delivered through enabling authorities that establishes and provides for the readiness and response capabilities of the US&R Resource. The US&R Resource shall define or describe who/what gives the Task Force the authority.

Standard 3.1.2

The enabling authorities of the SA and/or AHJ have identified the agency, department, organization or office with the authority to manage the operations, maintenance and sustainment of the US&R Resource and shall meet all applicable reporting deadlines. If enabling authorities are established through multi-jurisdictional and/or multi-authority administrative structure; must meet the requirements of standards for Program Management 3.1.1 through 3.1.4.

Standard 3.1.2.1

The SA and/or AHJ shall have personnel identified who are assigned for the management and administration of the US&R Resource that conducts supervisory, administrative, training, and logistical duties. The SA and/or AHJ shall determine personnel resources necessary for management and administrative duties outlined above.

Standard 3.1.3

The enabling authorities of the SA and/or AHJ establish and implement methods for management, evaluation, and revision or corrective action utilized for/by the US&R Resource.

Standard 3.1.4

The US&R Resource has an established and current multi-year strategic plan. The US&R Resource has a documented schedule and an evaluation process that incorporates criteria established in 3.2 through 3.7.

Standard 3.1.5

The management structure shall have an established and ongoing process that provides for coordinated input into the sustainment of the US&R Resource.

Standard 3.1.6

The US&R Resource shall have a promulgated policy document detailing US&R Resource membership and establish a routine schedule and methodology to ensure membership rosters are current, status of members is continuously reviewed, training requirements are met, and members are removed from resource rosters when warranted and appropriate.

Standard 3.1.6.1

The US&R Resource shall provide complete medical evaluations and provide supporting documentation of required immunizations. Medical evaluations shall be conducted for each task force member based on requirements of the SA and/or AHJ. Each task force member must have a current Fit for Deployment form dated and signed by the examining physician on file.

Standard 3.1.6.2

The US&R Resource shall have a process in accordance with the SA and/or AHJ policies for verifying task force members meet the necessary license, certification, or other professional qualification requirements of their assigned position at time of deployment. The US&R Resource shall ensure that the documentation for certifications and licenses is on file to verify currency.

Standard 3.1.6.3

Records are maintained on a retention schedule established by the US&R Resource.

Standard 3.1.6.4

The US&R Resource shall maintain a roster of fully qualified personnel that is two deep in each functional position in accordance with the appropriate position descriptions. A Type I and II US&R Resource may reduce staffing to 1.5 deep in the following functional positions; Medical Team Manager (minimum of 3), Structural Specialist (minimum of 3), Heavy Equipment Rigging Specialist (minimum of 3), and Canine Search Team (minimum of 6).

3.2: Finance.

Standard 3.2.1

The SA and/or AHJ shall develop and implement financial and management procedures for day-to-day readiness support and response operations for the US&R Resource.

Standard 3.2.2

Financial and management procedures shall provide for the request, receipt, management, and application of funds available to/for the US&R Resource.

Standard 3.2.3

US&R Resource must include processes and coordinating instructions necessary for the utilization of federal, state, local, tribal, organizational and/or private sector funds and ensure prioritized application of available funding defined by the goals, objectives and milestones established in the enabling authorities and strategic plan.

3.3 Planning and Procedures.

Standard 3.3.1

The US&R Resource shall have a formal planning process that incorporates key stakeholder engagement in the development of a Strategic Plan, Mobilization Plan, Administrative Manual, Operations Manual, Training Plan, and Equipment Management Plan. The review/update process is recorded and documented on a schedule established by the US&R Resource.

Standard 3.3.2

The Strategic Plan shall be a multi-year plan, utilizing national, state, local and/or tribal objectives and milestones. The plan shall include the following items:

- 1) Mission and Vision of the US&R Resource;
- 2) Core sustaining values;
- 3) Strategic Readiness Objectives;
- 4) Training/deployment standards, field exercises, readiness evaluations;

- 5) Cache equipment, maintenance, storage and accountability;
- 6) Member's health, safety, security, succession development policies; and
- 7) Financial considerations of the US&R Resource.

Standard 3.3.3

The Administrative Manual shall identify the US&R Resource's policies and procedures and include information on or reference to the following items:

- 1) Member recruitment, appointment, assignment, and separation policies;
- 2) Reimbursement policies including time and payroll reporting for intra and inter state deployments;
- 3) Travel policies and procedures;
- 4) Position descriptions for program manager and staff;
- 5) Organization charts;
- 6) Issuance and turn-in of personal clothing/protective equipment procedures;
- 7) Worker's compensation procedures;
- 8) Ethics' policies/code of conduct;
- 9) Administrative files to include SA and/or AHJ reports, budgets, grant applications, enabling authority documents (Directives and Memorandums), personnel files, MOA/MOU;
- 10) Audit/inspection policies and procedures;
- 11) Public Relations Activities procedures;
- 12) Family support procedures during deployments;
- 13) Process to request support from SA and/or AHJ functions;
- 14) Federal, State, and local Equal Employment Opportunity policies;
- 15) Return to Readiness procedures;
- 16) Post mission medical screening processes including canines and worker compensation claims; and
- 17) After Action Report/Corrective Action Plan Reporting requirements established by the enabling authority.

Standard 3.3.4

The US&R Resource's Operations Manual shall include information on or reference to the following items:

- 1) Describe the composition and capabilities of the US&R Resource;
- 2) Describe the process through which the US&R Resource will be alerted, activated, and deployed;
- 3) Delineate organizational responsibilities and roles;
- 4) Describe the relationship between the US&R Resource and Federal, State, and local resources and other supporting organizations;
- 5) Provide procedures and guidelines for transporting task forces;
- 6) Describe the purpose of the mobilization center, staging areas, and activities related to the task force's occupation of these facilities; and
- 7) Identify the procedures for on-site operations, task force reassignment, and demobilization.

3.4 Incident Management.

Standard 3.4.1

The US&R Resource formally adopts the National Incident Management System (NIMS).

Standard 3.4.1.1

The US&R Resource shall have procedures for implementation of the NIMS elements specified in Standard 3.4.1. SA and/or AHJ must report NIMS compliance activities in accordance with state and local NIMS guidance. A certificate of completion or official student transcript for each required course in accordance with current position descriptions must be located in each US&R member's personnel file.

Standard 3.4.2

The US&R Resource shall have procedures for implementation and operation of the NIMS to include enabling authorities for those specific to inter- and intra-agency coordination, integration into existing on-scene command structures, coordination with other higher, lateral and subordinate coordination and command structures, and interoperable communications.

3.5 Alert and Mobilization.

Standard 3.5.1

The Mobilization Plan shall identify and assign specific actions for activating a US&R Resource for deployment. The plan shall include the following items:

- 1) 24-hour points of contact;
- 2) Team notification procedures for advisories, alerts, and activations;
- 3) Call-out procedures and methodologies;
- 4) Canine health and authorization procedures;
- 5) Safety and security procedures while enroute;
- 6) Point of assembly and check-in procedures;
- 7) Personnel health and authorization procedures;
- 8) PPE Issuance/Check-in procedure to ensure self-sufficiency for 72 hours;
- 9) Load plans for ground and air deployment;
- 10) Scheduled events to be at Point of Departure within assigned timeframes;
- 11) Convoy plan with appropriate vehicles;
- 12) Deployment plan for cache movement vehicles, command vehicles, and equipment cache;
- 13) Communications procedures with Incident Command and Control Organization and the SA and/or AHJ; and
- 14) Set-up procedures for Base of Operations, including environmental protection measures.

Standard 3.5.2

The US&R Resource has developed and maintains a plan to initiate, receive, and/or relay notifications to alert key decision makers and emergency personnel. This capacity has been designed for the requirements of the jurisdiction's potential operating environments, and includes redundancy to provide alternative means of notification in case of failure in primary system(s).

Standard 3.5.3

Primary and alternate notification systems are regularly tested on an established schedule under operational conditions and results documented and addressed. Repair, maintenance, and testing logs are maintained on a retention schedule established by the US&R Resource.

Standard 3.5.4

The US&R Resource has developed and maintains formal written procedures to ensure personnel familiarity with and the effective operation capabilities and utilization of the notification systems and equipment. Procedures address requirements of the US&R's potential operating environments, clearly delineate any decision making processes or triggering events, and are reviewed and updated regularly on an established schedule. The review/update process is recorded and documented on a schedule established by the US&R Resource.

3.6 Training and Exercises.

Standard 3.6.1

The Training and Exercise Plan shall describe planned training and scheduled events to include the following:

- 1) A calendar of national, regional, state, tribal, and local events of relevance to the US&R Resource;
- 2) Periodic training sessions and drills including topics applicable to US&R position functions, dates/times, duration, frequency; and
- 3) Exercises to include equipment deployment.

Standard 3.6.2

The US&R Resource shall ensure personnel are trained in accordance with established US&R position descriptions as provided in Annex A-1.

Standard 3.6.3

The US&R Resource shall have a policy for the security of personnel records and maintain a centrally located filing system for General and Position Specific functional training/certification records (completion certificates) for all rostered members.

Standard 3.6.4

The US&R Resource shall maintain the readiness training records of resource members in terms of attendance at meetings, completion of continuing education training including certifications, re-certifications and licensures.

Standard 3.6.5

The US&R Resource shall conduct training and exercises to maintain readiness including but not limited to deployment exercises, mobilization exercises, and training sessions/drills. US&R Resource will ensure training and exercise activities meet national standards, requirements, and certifications to operate within a US&R environment.

Standard 3.6.5.1

The US&R Resource shall employ cache equipment in training and mobilization exercises to:

- 1) Implement cache load plans;
- 2) Utilize personal protective equipment (PPE);
- 3) Set up and utilize communication equipment;

- 4) Qualify in the operation, maintenance, and repair of all equipment; and
- 5) Rehabilitate the cache and return to the readiness state.

Standard 3.6.6

A process for after action reporting shall be established and implemented to submit reports within 90 days of completion of the exercise. The process shall track lessons learned and prioritize resolutions of deficiencies within exercise and training events. The products of after action reporting are documented and disseminated within the US&R Resource to include stakeholders and selected partners.

3.7 Resource Management and Logistics.

Standard 3.7.1

The SA and/or AHJ shall develop and implement an Equipment Management Plan for day-to-day support and response operations for the US&R Resource.

Standard 3.7.1.1

The US&R Resource Equipment Management Plan shall include a documented process for the regular testing, maintenance, repair, and replacement of equipment on an established schedule and results are documented. The US&R Resource Equipment Management Plan includes a documented process for the retention of logs and records established by the US&R Resource. As appropriate, the US&R Resource utilizes and/or incorporates industry standard practices.

Standard 3.7.2

The US&R Resource shall have a documented process to ensure the equipment cache is consistent with the Equipment and Commodities listed in the annex section of this standard. The US&R Resource shall maintain equipment, commodities, and material consistent with the types and quantities established through the US&R resource type approved equipment and commodities list.

Standard 3.7.2.1

The US&R Resource shall have and maintain documented inventory of resources and commodities consistent with the Equipment and Commodities listed in the annex section of this standard. At a minimum, the US&R Resource will have an inventory that includes resources and commodities that provide for the operational capabilities of the NIMS resource type as defined in the annex section of the standard.

Standard 3.7.2.2

The US&R Resource shall have and utilize a documented inventory management system to identify, receive, issue, store, kit, track, ship and dispose of items in the cache. This system includes:

- 1) Support maintenance, replacement, certification, and upgrade of cache items;
- 2) Report usage and support periodic physical inventory accounting and reconciliation;
- 3) Provide property tracking and recording and accurate SA and/or AHJ reporting;
- 4) Established methodology to show different categories of cache equipment;
- 5) Provide access control and physical security for cache items;
- 6) Identify hazardous materials;
- 7) Track the history of assets and equipment including the funding source, ownership, and maintenance through disposition; and

- 8) Manage and maintain inventories, and/or agreements to obtain medical and pharmaceutical cache for human and canine.

Standard 3.7.2.3

The US&R Resource shall have a documented process for identifying shortfalls against the US&R resource type Equipment and Commodities list, and prioritizing and addressing identified deficiencies through a variety of initiatives.

Standard 3.7.3

The US&R Resource's communications systems and equipment have been designed for the requirements of an all hazards environment and include redundancy to provide alternate means of communications in case of failure in primary system(s) and are maintained at a state of readiness for response.

Standard 3.7.3.1

The US&R Resource shall ensure that the Communications capability for resource type (satellite, radio, cellular and information technology systems) is maintained in a state of readiness. Service agreements, as required, shall be in place for immediate use of equipment upon activation.

Standard 3.7.4

Primary and alternate communications systems are regularly tested on an established schedule. Repair, maintenance, and testing logs are maintained on a retention schedule established by the US&R Resource.

Standard 3.7.5

The US&R Resource shall have access to transportation resources capable of deploying all available personnel, caches, and assets during both routine and emergency situations.

Standard 3.7.5.1

The US&R Resource shall provide documentation that outlines processes or systems for determining that:

- 1) All vehicles are maintained and insured in accordance with enabling authorities requirements;
- 2) All vehicles are stored in a safe, secure environment; and
- 3) Transportation plans and cache load plans have been developed for all possible deployment configurations.
- 4) The US&R Resource has trained drivers required through the enabling authority.
- 5) The US&R Resource meets applicable laws, regulations and standards for the proper transportation for personnel and resources.

Standard 3.7.6

The US&R Resource shall have storage facilities capable of managing the equipment cache in a safe, secure, and controlled condition adequate to support the maintenance and inventory of all equipment and in a manner necessary to meet the mobilization requirements.

Annex A US&R Resource Supplemental Guidance

**Annex A-1 National Urban Search and Rescue System
Position Descriptions**

Urban Search & Rescue Position Descriptions

These Position Descriptions (PD's) provide detailed information to be used in order to maintain the operational capability of urban search and rescue participants. Individuals, as well as jurisdictions shall review the information herein and make any changes necessary to their current training doctrine in order to maintain compliance with the specific PD.

This section details:

- General Training Requirements
- Position Specific Training Requirements

References

References used to develop these Position Descriptions include the following:

- National Fire Protection Association, NFPA 1006, Standard for Technical Rescuer Professional Qualifications 2008 Edition
- National Fire Protection Association NFPA 1670, Standard on Operations and Training for Technical Search and Rescue Incidents 2009 Edition
- Federal Emergency Management Agency (FEMA), Task Force Position Descriptions June, 2011
- Occupational Safety and Health Administration (OSHA) Standard 29 CFR Part 1910 Subpart H, 120 – Hazardous Waste Operations and Emergency Response
- Occupational Safety and Health Administration (OSHA) Standard 29 CFR Part 1910 Subpart I, 134 – Respiratory Protection
- Occupational Safety and Health Administration (OSHA) Standard 29 CFR Part 1910 Subpart J, 146 – Permit Required Confined Spaces
- Occupational Safety and Health Administration (OSHA) Standard 29 CFR Part 1910 Subpart Z, 1030 – Blood borne Pathogens
- Federal Emergency Management Agency (FEMA) 509-8, Search & Rescue Job Titles, August 2007
- National Incident Management System (NIMS) – Training Program, September 2011

GENERAL TRAINING REQUIREMENTS

General Training Requirements:

Each individual participating in Urban Search & Rescue Resource shall:

1. Complete Critical Incident Stress awareness training.
2. Complete IS-100, IS-200, IS-700 and IS-800B online training courses
3. Complete their jurisdictional US&R Response System/Team Orientation
4. Complete training at the First Responder Operations Level for Hazardous Materials (OSHA 29 CFR, 1910.120)
 - a. Complete annual refresher training as required for First Responder Operations Level for Hazardous Materials (OSHA 29 CFR, 1910.120).
5. Be currently certified in Cardiopulmonary Resuscitation (persons currently licensed or certified as EMT (all levels) and licensed Board Certified Emergency Physicians inherently meet this requirement).
6. Complete respiratory protection training per OSHA 29 CFR 1910.134 (k)
 - a. Complete refresher training as required for respiratory protection training per OSHA 29 CFR 1910.134 (k)
 - b. Have successfully completed an annual quantitative respiratory protection fit test required per 29 CFR 1910.134 App. A
7. Complete NFPA 1670 Awareness Level training for:
 - a. Confined space rescue operations
 - b. Water rescue operations
 - c. Structural collapse operations
8. Complete Blood-borne Pathogen training in accordance with OSHA 29 CFR 1910.1030.
9. US&R WMD Enhanced Operations course or equivalent.

CANINE SEARCH SPECIALIST

POSITION DESCRIPTION

Position Specific Requirements:

The Canine Search Specialist is primarily responsible for supporting the Search function with the canine resource. They are responsible for the care and welfare of the canine during mission deployment. The Canine Search Specialist reports to the Search Team Manager.

Description of Duties:

The Canine Search Specialist is responsible for:

- Searching disaster environments and locations indicated in the mission assignment, using appropriate canine search equipment and techniques
- Documenting results of the canine search, including locations of alerts, and routing them appropriately
- Understanding and accurately interpreting canine's behavior, including knowledge of the capabilities and limitations of search canines
- Care and welfare of their canine, including assisting the Medical Team in the canine's medical care
- Performing additional tasks or duties as assigned

Position Requirements and Criteria:

Individuals who meet the following requirements and criteria will be eligible to deploy as a Canine Search Specialist in support of Resource's activities. The intent of these requirements is to provide canine teams capable of using the search techniques and tactics required to support the Search function with the canine resource in various disaster environments.

Required Training:

The Canine Search Specialist shall:

1. Complete all General Training requirements.
2. Have current certification as a FEMA National US&R Response System Canine Search Specialist Team member, SUSAR Type I canine certification standard, or equivalent certification.
3. Complete the FEMA National US&R Response System Canine Search Specialist course, or equivalent.
4. Complete the FEMA National US&R Response System GPS Awareness Level course, or equivalent.
5. Complete the required Technical Rescue Skill Sets.

Recommended Training:

The Canine Search Specialist should:

1. Complete the FEMA National US&R Response System Technical Search Specialist course or equivalent.
2. Complete FEMA National US&R Response System GPS Operations Level course or equivalent
3. Complete a canine emergency field care course
4. Complete a wide area search course

COMMUNICATIONS SPECIALIST

POSITION DESCRIPTION

Position Specific Requirements:

The Communications Specialist is responsible for managing, and maintaining, all communications and communications systems for the task force. The Communications Specialist reports directly to the Logistics Team Manager.

Description of Duties:

The Communications Specialist is responsible for:

- Keeping the Task Force Leader and Logistics Manager informed of the capabilities and/or limitations of incident communications
- Assessing overall communications needs, obtaining frequencies, and developing the Task Force Incident Communications Plan
- The installation, operation, and maintenance of the task force communications systems, including: radio, satellite, telephone, internet, GPS's and networks during incidents
- Coordinating communications with other entities
- Adhering to all safety procedures
- Accountability, preventive maintenance, and minor repairs of communications equipment
- Maintaining appropriate records and reports
- Maintaining the communications cache in an operational state at all times
- Developing requests for replacement, or repair, for consumable, inoperative, lost, damaged, or destroyed communications items
- Develop a Task Force Communications Plan (ICS 205) as part of Tactical Action Plan
- Performing additional tasks or duties as assigned

Position Requirements and Criteria:

Individuals who meet the following requirements and criteria will be eligible to deploy as a Communications Specialist in support of Resource's activities. The intent of these requirements is to select personnel capable of managing the communications needs of the task force in the disaster environment.

Required Training:

The Communication Specialist shall:

1. Complete all General Training requirements.
2. Complete FEMA National US&R Response System GPS Awareness Level course, or equivalent
3. Complete FEMA National US&R Response System Communications Specialist course or equivalent

Recommended Training:

The Communications Specialist should:

1. Complete the DHS/OEC All Hazards Communications Unit Leader course
2. Complete the DHS/OEC All Hazards Communications Technician course
3. Complete ICS-300 in accordance with the NIMS Training Program
4. Complete ICS-400 in accordance with the NIMS Training Program
5. Advanced Communications Specialist Qualification (ACOM US&R)

HAZARDOUS MATERIALS SPECIALIST POSITION DESCRIPTION

Position Specific Requirements:

The Hazardous Materials (HazMat) Specialist is responsible for performing the various hazardous materials functions for the task force during incident operations. The Hazardous Materials Specialist reports directly to the Hazardous Materials Team Manager.

Description of Duties:

The Hazardous Materials Specialist is responsible for:

- Providing an initial and ongoing survey (detection, monitoring and sampling) for, and identification of, the presence of hazardous materials at search and rescue sites
- Proficiency with the set up and use of the decontamination system and equipment
- Directing decontamination procedures for any task force member victim, canine, or equipment
- Performing minor mitigation operations
- Utilizing their technical expertise to advise Team Managers regarding all hazardous material issues in order to plan for tactical operations
- Document all related information regarding the incident
- Adhering to all safety procedures
- Properly utilizing the detection monitors and devices in the US&R cache
- Proficiency in donning and doffing all personnel protective equipment in the US&R cache
- Proficiency in building triage and US&R marking systems
- Working with Logistics Team personnel to establish and maintain a regular maintenance scheduled for hazmat cache items requiring some, including calibration, battery charging, function tests, and field repair
- Performing regular assessments of the base of operations for hazardous conditions, such as carbon monoxide from generators, or any other contaminants
- Establishing and maintaining a liaison with hazmat personnel from other task forces
- Performing additional tasks or duties as assigned

Position Requirements and Criteria:

Individuals who meet the following requirements and criteria will be eligible to deploy as a Hazardous Materials Specialist in support of Resource's activities. The intent of these requirements is to select personnel fully capable of providing competent hazardous materials assessments and advice to Task Force personnel in the urban disaster environment.

Required Training:

The Hazardous Material Specialist shall:

1. Complete all General Training requirements.
2. Meet and maintain the requirements as a certified Hazardous Materials Technician as per OSHA Standard 29 CFR 1910.120 Hazardous Waste Operations and Emergency Response or
 - a. Complete annual refresher training as required for Hazardous Materials Technician (OSHA 29 CFR,1910.120).
3. Meet and maintain the AHJ competencies in accordance with National Fire Protection Association standard 472 Standard for Professional Competence of Responders to Hazardous Materials Incidents to the level of Hazardous Materials Technician

- a. Complete annual refresher training as required for Hazardous Materials Technician (NFPA 472).
4. Complete a WMD - Considerations for Hazardous Materials Specialist course or the FEMA US&R Hazardous Materials Specialist course.
5. Complete all Technical Rescue Skill Set

Recommended Training:

The Hazardous Materials Specialist should:

1. Complete the Weapons of Mass Destruction Radiological/Nuclear for Hazardous Materials Technician (Course PER-241), U.S. Department of Energy National Security Administration Nevada Test Site.
2. Complete the WMD Hazardous Materials Technician Training (HT) (Course PER-261) Centers for Domestic Preparedness, Anniston Alabama.
3. Complete Task Force water purification system training
4. Complete ICS-300 in accordance with the NIMS Training Program

HAZARDOUS MATERIALS TEAM MANAGER

POSITION DESCRIPTION

Position Specific Requirements:

The Hazardous Materials (HazMat) Team Manager is responsible for managing the Hazmat functions of the task force and supervising the Hazardous Materials Specialists of the Task Force. The Hazardous Materials Team Manager reports directly to the Task Force Leader.

Description of Duties:

The Hazardous Materials Team Manager is responsible for:

- Developing and implementing the HazMat component of the Task Force Tactical Action Plan
- Coordinating, managing, and supervising all HazMat activities
- Providing input in the development of the site safety plan in cooperation with Medical Team Manager and Safety Officers
- Determining HazMat organizational and logistical needs
- Receiving briefings and situation reports and ensuring that all HazMat personnel are kept informed of mission objectives and status changes
- Providing situation updates and maintaining records and reports
- Providing accountability, maintenance, and minor repairs for all issued equipment
- Possessing knowledge of the practical application of available (detection, PPE and decontamination) technology used to support US&R missions and objectives

Position Requirements and Criteria:

Individuals who meet the following requirements and criteria will be eligible to deploy as a Hazardous Materials Managers in support of Resource's activities. The intent of these requirements is to select functional managers capable of effectively managing and supervising the HazMat component in the urban disaster environment.

Required Training:

The Hazardous Material Team Manager shall:

1. Complete all General Training requirements.
2. Meet and maintain the requirements as a certified Hazardous Materials Technician as per OSHA Standard 29 CFR 1910.120 Hazardous Waste Operations and Emergency Response or
 - a. Complete annual refresher training as required for Hazardous Materials Technician (OSHA 29 CFR,1910.120).
3. Meet and maintain the AHJ competencies in accordance with National Fire Protection Association standard 472 Standard for Professional Competence of Responders to Hazardous Materials Incidents to the level of Hazardous Materials Technician
 - a. Complete annual refresher training as required for Hazardous Materials Technician (NFPA 472).
4. Complete a WMD - Considerations for Hazardous Materials Specialist course or the FEMA US&R Hazardous Materials Specialist course.
5. Complete FEMA National US&R Response System GPS Awareness Level course or equivalent
6. Complete all Technical Rescue Skill Sets.

Recommended Training:

The Hazardous Material Team Manager should:

1. Complete the Weapons of Mass Destruction Radiological/Nuclear for Hazardous Materials Technician (Course PER-241), U.S. Department of Energy National Security Administration Nevada Test Site.
2. Complete the WMD Hazardous Materials Technician Training (HT) (Course PER- 261), Centers for Domestic Preparedness, Anniston Alabama.
3. Complete FEMA National US&R Response System GPS Operations Level course or equivalent
4. Complete ICS-300 in accordance with the NIMS Training Program
5. Complete ICS 400 in accordance with the NIMS Training Program.
6. Complete NIMS IS-703 Resource Management course in accordance with the NIMS Training Program

HEAVY EQUIPMENT & RIGGING SPECIALIST POSITION DESCRIPTION

Position Specific Requirements:

The Heavy Equipment and Rigging Specialist is responsible for performing various assessments and construction-related liaison for the task force during incident operations. The Heavy Equipment and Rigging Specialist reports directly to the Rescue Team Manager.

Description of Duties:

The Heavy Equipment and Rigging Specialist is responsible for:

- Ensuring the safety of Task Force members by assessing hazards at disaster sites pertaining to the positioning and operations of cranes and other heavy equipment
- Assessing the need for and capabilities of various types of construction-related equipment to assist task force personnel in US&R activities
- Preparing site for and assisting with positioning and setup of cranes and other heavy equipment
- Identifying various rigging techniques to assist in the rescue of victims or stabilization of collapsed buildings, including the development of rigging plans and procedures
- Interacting with and coordinating efforts between the task force personnel and heavy equipment operators, contractors and organized labor
- Adhering to all safety procedures
- Providing documentation to assist Task Force in procuring cranes and other heavy equipment, as well as maintaining daily logs
- Providing accountability, maintenance, and minor repairs for all issued equipment
- Performing additional tasks or duties as assigned

Position Requirements and Criteria:

Individuals who meet the following requirements and criteria will be eligible to deploy as a Heavy Equipment & Rigging Specialist in support of Resource's activities. The intent of these requirements is to select personnel fully capable of providing competent assessments and advice to task force personnel in the urban disaster environment.

Required Training:

The Heavy Equipment and Rigging Specialist shall:

1. Complete all General Training requirements.
2. Complete the FEMA National US&R Response System Heavy Equipment and Rigging Specialist course or equivalent

Additional Specific Requirements:

The Heavy Equipment and Rigging Specialist shall have:

1. Experience in the heavy construction field, such as heavy equipment operator, crane operator, iron worker, rigger, or other applicable field

– OR –

2. A minimum of three years experience as a Rescue Specialist on a Task Force

Recommended Training:

The Heavy Equipment Rigging Specialist should:

1. Complete all Technical Rescue Skill Sets as defined on page 41 unless qualified as a Rescue Specialist
2. Complete FEMA National US&R Response System Structural Collapse Technician training course or equivalent

LOGISTICS SPECIALIST POSITION DESCRIPTION

Position Specific Requirements:

The Logistics Specialist is responsible for ensuring the preparation and maintenance of the task force equipment cache. The Logistics Specialist reports directly to the Logistics Team Manager.

Description of Duties:

The Logistics Specialist is responsible for:

- Coordinating the packaging, transporting, distribution, and maintenance of the Task Force equipment cache prior, during, and subsequent to mission assignments
- Coordinating with military and/or civilian officials for transportation needs
- Procuring equipment as directed by the Logistics Team Manager
- Ensuring accountability and security of the task force equipment cache
- Maintaining accurate and timely records and reports
- Adhering to all safety procedures
- Maintains and repairs the task force equipment cache
- Assist with over-all management of task force facilities and fleet
- Coordinate and direct Support Specialists (when staffed)
- Performing additional tasks or duties as assigned

Position Requirements and Criteria:

Individuals who meet the following requirements and criteria will be eligible to deploy as a Logistics Specialist in support of Resource's activities. The intent of these requirements is to select personnel capable of managing the logistics needs of the Task Force in the urban disaster environment.

Required Training:

The Logistics Specialist shall:

1. Complete all General Training requirements.
2. Complete FEMA National US&R Response System GPS Awareness Level course or equivalent
3. Complete the FEMA National US&R Response System Logistics Specialist course, or equivalent
4. Complete OSHA 29 CFR 1910.178 (forklift training) course
 - a. Complete refresher training as required for OSHA 29 CFR, 1910.178.
5. Complete a DOT Hazardous Materials Handler/Packer/Labeler course as established by 49 CFR, Part 172.704

Recommended Training:

The Logistics Specialist should:

1. Complete Ordering Manager course (J-252)
2. Complete Receiving and Distribution Manager course (J-253)
3. Complete Base Camp Manager course (J-254)
4. Complete Equipment Manager course (J-255)
5. Complete Security Manager course (J-259)
6. Complete and maintain certification as a Certifying Official for Transportation Requirements and Regulations – Air and Ground
 - a. IATA
 - b. Title 49 CFR
 - c. AFMAN 24-204

LOGISTICS TEAM MANAGER

POSITION DESCRIPTION

Position Specific Requirements:

The Logistics Team Manager is responsible for the logistics function of the Urban Search and Rescue Task Force and supervising the Task Force Logistics Specialist, Communications Specialist, Support Specialist, and other personnel as assigned. The Logistics Team Manager reports directly to the Task Force Leader.

Description of Duties:

The Logistics Team Manager is responsible for:

- All duties and responsibilities of the Logistics Specialist
- Completion of all Task Force Transportation documents (cargo manifests, shipping declarations, bills of lading, etc.)
- Coordinating, managing, and supervising all logistical activities
- Maintaining accurate and timely records and reports
- Preparing performance evaluations for assigned personnel
- Ensuring accountability, maintenance, and repairs for all task force equipment
- Provide for operation and maintenance for all facilities and associated equipment
- Coordinate with IST Logistics Section on task force issues
- Management of task force transportation fleet
- Performing additional tasks or duties as assigned

Position Requirements and Criteria:

Individuals who meet the following requirements and criteria will be eligible to deploy as a Logistics Team Manager in support of Resource's activities. The intent of these requirements is to select functional managers capable of effectively managing and supervising the logistical component in the urban disaster environment.

Required Training:

The Logistics Team Manager shall:

1. Complete all General Training requirements.
2. Complete FEMA National US&R Response System GPS Awareness Level course or equivalent
3. Complete the FEMA National US&R Response System Logistics Specialist course or equivalent
4. Complete OSHA 29 CFR 1910.178 (forklift training) course
 - a. Complete refresher training as required for OSHA 29 CFR, 1910.178.
5. Complete a DOT Hazardous Materials Handler/Packer/Labeler course as established by 49 CFR, Part 172.704
6. Complete and maintain certification, as appropriate or required by the AHJ, as a Certifying Official for Transportation Requirements and Regulations – Air and Ground.
 - a. IATA
 - b. Title 49 CFR
 - c. AFMAN 24 – 204

Recommended Training:

The Logistics Team Manager should:

1. Complete Ordering Manager course (J-252)
2. Complete Receiving and Distribution Manager course (J-253)

3. Complete Base Camp Manager course (J-254)
4. Complete Equipment Manager course (J-255)
5. Complete Security Manager course (J-259)
6. Complete Facility Unit Leader (S-354)
7. Complete Ground Support Unit Leader (S-355)
8. Complete Supply Unit Leader (S-356)
9. Complete Food Unit Leader (S-357)
10. Complete Federal Property Custodial Officer
11. Complete NWCG All-Hazards Logistics Section Chief course or equivalent
12. Complete ICS 300 in accordance with the NIMS Training Program

MEDICAL SPECIALIST POSITION DESCRIPTION

Position Specific Requirements

The Medical Specialist is responsible for performing the medical function of the task force incident operation. The Medical Specialist reports directly to the Medical Team Manager.

The Medical Specialist is responsible for:

- The general health considerations of and delivery of medical care to all task force personnel, victims, and search dogs, while under the supervision of the Medical Team Manger, during disaster events
- Implementing the medical action plans specified by the Medical Team Manger
- Accountability, maintenance, and minor repairs for all issued equipment
- Performing additional tasks or duties as assigned

Position Requirements and Criteria:

Individuals who meet the following requirements and criteria will be eligible to deploy as a Medical Specialist in support of Resource's activities. The intent of these requirements is to select personnel fully capable of providing medical care required by the task force in the urban disaster environment.

Required Training:

The Medical Specialist shall:

1. Complete all General Training requirements.
2. Be currently certified / licensed as an EMT-Paramedic and have met all the requirements in their local jurisdiction. Must be actively participating in pre-hospital care.

– OR –

Be currently certified / licensed as a Physician Assistant, Registered Nurse-Practitioner or Registered Nurse who is currently certified / licensed as a Physician Assistant, Registered Nurse-Practitioner or Registered Nurse – certified within an accredited organization or municipality and meets the National Registry of Emergency Medical Technician – Paramedic Standards or State certification requirements and actively practices advanced pre-hospital life support. Must be certified and maintain the following, BTLS, ACLS, and PALS regimens (or equivalent).

3. Complete the FEMA National US&R Response System Medical Team Training course or equivalent
4. Complete the FEMA National US&R Response System WMD Considerations for The Medical Team course or equivalent
5. Complete the Technical Rescue Skill Sets.

Recommended Training:

1. Completed a canine emergency medical course

MEDICAL TEAM MANAGER

POSITION DESCRIPTION

Position Specific Requirements:

The Medical Team Manager has overall responsibility for the management and supervision of the medical function of the task force during incident operations. The Medical Team Manager reports directly to the Task Force Leader.

Description of Duties:

The Medical Team Manager is responsible for:

- Developing and implementing the medical component of the Task Force Tactical Action Plan
- Directly supervising the Medical Specialists
- Assisting in the development of the safety plan in coordination with the Task Force Safety Officer and Task Force Hazardous Materials Manager
- Coordinating, managing, and supervising of all medical activities
- Determining the medical organizational and logistics needs
- Receiving briefings and situation reports and ensuring that all medical personnel are kept informed of status changes
- Responsible for providing situation reports and maintaining records and reports
- Directing medical care delivery to task force personnel, search dogs, and victims
- Ensuring a continuum of medical care and coordinating interaction with all appropriate outside medical entities
- Ensuring accountability, maintenance, and minor repairs for all issued equipment
- Performing additional tasks or duties as assigned

Position Requirements and Criteria:

Individuals who meet the following requirements and criteria will be eligible to deploy as a Medical Team Manager in support of Resource's activities. The intent of these requirements is to select functional managers capable of effectively managing, coordinating, and supervising the medical component in the urban disaster environment.

Required Training:

The Medical Team Manager shall;

1. Complete all General Training requirements.
2. Must be a licensed physician who is emergency medicine residency-trained and/or Board-certified in emergency medicine and actively practicing clinical emergency medicine and having experience with pre-hospital medical care
 - OR –
 - Must be currently licensed Physician with current ACLS, ATLS and PALS certification (or equivalent) whose medical activities include clinical medicine and or pre-hospital care
3. Complete the FEMA National US&R Response System Medical Team Training course or equivalent

Recommended Training:

1. Complete the FEMA National US&R Response System WMD considerations for The Medical Team course
2. Completed a canine emergency medicine course

3. Complete Technical Rescue Skill Sets.
4. Complete ICS-300 in accordance with the NIMS Training Program
5. Complete ICS- 400 in accordance with the NIMS Training Program

PLANNING TEAM MANAGER

POSITION DESCRIPTION

Position Specific Requirements:

The Task Force Planning Team Manager is responsible for planning aspects of the Task Force during incident operations. The Planning Team Manager supervises the Structures Specialist and Technical Information Specialist. The Planning Team Manager reports directly to the Task Force Leader.

Description of Duties:

The Planning Team Manager is responsible for:

- Developing and implementing the planning components of the Task Force Tactical Action Plan
- Coordinating, managing, and supervising all planning component activities
- Determining the planning component organizational and logistics needs
- Receiving briefings and situation reports and ensures that all planning personnel are kept informed of status changes
- Providing situation reports and maintaining records and reports
- Preparing performance evaluations for assigned personnel
- Providing accountability, maintenance, and minor repairs for all Planning Team equipment
- Performing additional tasks or duties as assigned

Position Requirements and Criteria:

Individuals who meet the following requirements and criteria will be eligible to deploy as a Planning Team Manager in support of Resource's activities. The intent of these requirements is to select functional managers capable of effectively managing and supervising the planning component in the urban disaster environment.

Required Training:

The Planning Team Manager shall:

1. Complete all General Training requirements.
2. Complete ICS-300 in accordance with the NIMS Training Program
3. Complete FEMA National US&R Response System Planning Team Training course or equivalent

Recommended Training:

1. Complete FEMA National US&R Task Force Leaders Training course or equivalent
2. Complete the NWCG All-Hazards Planning Section Chief course or equivalent
3. Complete Wide Area Search course
4. Complete Situation Unit Leader course
5. Complete Resource Unit Leader course
6. Complete Documentation Unit Leader course
7. Complete and Demobilization Unit Leader course.
8. Complete ICS-400 in accordance with the NIMS Training Program

RESCUE SPECIALIST

POSITION DESCRIPTION

Position Specific Requirements:

The Rescue Specialist is responsible for performing the rescue function of the Task Force incident operation. The Rescue Specialist reports directly to a Rescue Squad Officer.

Description of Duties:

The Rescue Specialist is responsible for:

- Implementing technical skills and operating equipment necessary for completing the rescue portion of the action plan
- Performing rescue operations under the direct supervision of a Rescue Squad Officer and providing periodic progress reports as needed
- The operation and routine field maintenance of rescue tools and equipment
- Ensuring accountability and maintenance for all issued equipment
- Evaluating and modifying rescue tactics as needed
- Performing additional tasks or duties as assigned

Position Requirements and Criteria:

Individuals who meet the following requirements and criteria will be eligible to deploy as a Rescue Specialist in support of Resource's activities. The intent of these requirements is to select personnel fully capable of providing the rescue tactics and techniques required in a disaster environment.

Required Training:

The Rescue Specialist shall:

1. Complete all General Training requirements.
2. Complete FEMA National US&R Response System GPS Awareness Level course, or equivalent
3. Meet requirements of NFPA 1006 Rescue Technician Level 1 & 2 (Excluding Chapter 1 Administration: Section 1.3.3):
 - Job Performance Requirements – Chapter 5
 - Rope Rescue Level 1 & 2 – Chapter 6
 - Confined Space Rescue Level 1 & 2 – Chapter 7
 - Trench Rescue Level 1 & 2 – Chapter 8
 - Vehicle and Machinery Rescue – Chapter 10
 - a. Complete refresher training as required by the AHJ in accordance with Rescue Technician (NFPA 1006).
4. Complete the FEMA National US&R Response System Structural Collapse Technician course or equivalent
5. Current Certification in Basic First aid for First Responder or equivalent

RESCUE SQUAD OFFICER POSITION DESCRIPTION

Position Specific Requirements:

The Rescue Squad Officer is responsible for supervising one or more Task Force Rescue Squad(s). The Rescue Squad Officer reports directly to the Rescue Team Manager.

Description of Duties:

The Rescue Squad Officer is responsible for;

- Directly supervising Rescue Squad(s) and other assigned personnel
- Implementing the rescue component of the Task Force Tactical Action Plan
- Determining organizational and logistical needs for the Rescue Squad(s) and work site
- Providing periodic progress reports to the Rescue Team Manager
- Maintaining records and reports
- Preparing performance evaluations for assigned personnel
- Ensuring accountability and maintenance for all issued equipment
- Evaluating and modifying rescue tactics as needed
- Performing additional tasks or duties as assigned

Position Requirements and Criteria:

Individuals who meet the following requirements and criteria will be eligible to deploy as a Rescue Squad Officer in support of Resource's activities. The intent of these requirements is to select functional officers capable of effectively managing and supervising the Rescue Squad(s) and assigned personnel in the urban disaster environment.

Required Training:

The Rescue Squad Officer shall:

1. Complete all General Training requirements.
2. Complete FEMA National US&R Response System GPS Awareness Level course or equivalent
3. Meet requirements of NFPA 1006 (2008) Rescue Technician Level 1 & 2 (Excluding Chapter 1 Administration: Section 1.3.3):
 - Job Performance Requirements – Chapter 5
 - Rope Rescue Level 1 & 2 – Chapter 6
 - Confined Space Rescue Level 1 & 2 – Chapter 7
 - Trench Rescue Level 1 & 2 – Chapter 8
 - Vehicle and Machinery Rescue – Chapter 10
 - a. Complete refresher training as required by the AHJ in accordance with Rescue Technician (NFPA 1006).
4. Complete the FEMA National US&R Response System Structural Collapse Technician course, or equivalent
5. Current Certification in Basic First aid for First Responder or equivalent
6. Shall have experience in structural collapse operations to include participation in field exercise(s) and/or a deployment as a Rescue Specialist

Recommended Training:

The Rescue Squad Officer should:

1. Complete NWCG GPS for Fire Management and ICS course or equivalent

2. Complete Technical Search Specialist course
3. Complete ICS 300 in accordance with the NIMS Training Program

RESCUE TEAM MANAGER

POSITION DESCRIPTION

Position Specific Requirements:

The Rescue Team Manager is responsible for managing and coordinating all operational functions of the task force. The Rescue Team Manager reports directly to the Task Force Leader.

Description of Duties:

The Rescue Team Manager is responsible for:

- Assisting in the development and implementation of the Task Force Tactical Action Plan
- Coordinating, managing, and supervising all functional groups involved in rescue activities
- Determining rescue organizational and logistical needs
- Receiving briefings and situation reports and ensuring that all rescue personnel are kept informed of mission objectives and status changes
- Providing situation updates and maintaining records and reports
- Preparing performance evaluations for assigned personnel
- Ensuring accountability and maintenance for all issued equipment
- Ensuring accountability of all assigned personnel
- Provide a mission specific Rapid Intervention Plan including personnel & equipment needs
- Performing additional tasks or duties as assigned

Position Requirements and Criteria:

Individuals who meet the following requirements and criteria will be eligible to deploy as a Rescue Team Manager in support of Resource's activities. The intent of these requirements is to select functional managers capable of effectively managing and supervising rescue operations in the urban disaster environment.

Required Training:

The Rescue Team Manager shall:

1. Complete all General Training requirements.
2. Complete FEMA National US&R Response System GPS Awareness Level course, or equivalent
3. Meet requirements of NFPA 1006 Rescue Technician Level 1 & 2 (Excluding Chapter 1 Administration: Section 1.3.3):
 - Job Performance Requirements – Chapter 5
 - Rope Rescue Level 1 & 2 – Chapter 6
 - Confined Space Rescue Level 1 & 2 – Chapter 7
 - Trench Rescue Level 1 & 2 – Chapter 8
 - Vehicle and Machinery Rescue – Chapter 10
 - a. Complete refresher training as required by the AHJ in accordance with Rescue Technician (NFPA 1006).
4. Complete the FEMA National US&R Response System Structural Collapse Technician course, or equivalent
5. Current Certification in Basic First aid for First Responder or equivalent
6. Shall have experience in structural collapse operations to include participation in field exercise(s) and/or a deployment as a Rescue Specialist
7. Complete ICS-300 in accordance with the NIMS Training Program

Recommended Training:

The Rescue Team Manager should:

1. Complete ICS-400 in accordance with the NIMS Training Program
2. Complete NWCG GPS for Fire Management and ICS course or equivalent
3. Complete Heavy Equipment Rigging Specialist (HERS) course
4. Complete Task Force Leaders course
5. Complete Plans Team Manager course.

SAFETY OFFICER

POSITION DESCRIPTION

Position Specific Requirements

The Task Force Safety Officer is responsible for monitoring and assessing the safety aspects of the task force during training, exercises and incident operations. The Task Force Safety Officer reports directly to the Task Force Leader.

Description of Duties:

The (Task Force) Safety Officer is responsible for:

- Overseeing all health and safety of all task force personnel during day to day operations, training and exercises as well as on deployment
- Coordinating with task force Team Managers relative to the health, welfare and safe operations of their assigned personnel
- Preventing injuries and illness of task force members through appropriate administrative and engineering controls of hazards including enforcement of safety policies and procedures
- Conduct site safety analysis, complete required ICS documents for IAP/TAP, develop safety messages and conduct safety briefings
- Work with Task Force Team Managers to establish acceptable entry conditions and appropriate personal protective equipment to be worn by personnel entering the hazard zone
- Establish and enforce the use of a personnel accountability system to be used during training, exercises and actual disaster deployments
- Immediate intervention of activities to prevent the loss of life and prevention of injuries
- Conduct incident/accident investigations with appropriate task force personnel under the direction of the Task Force Leader. Prepare post incident injury reports and submit them to the Task Force Leader
- Preparing and maintaining entry permits, records and reports
- Performing additional tasks or duties as assigned

Position Requirements and Criteria:

Individuals who meet the following requirements and criteria will be eligible to deploy as a (Task Force) Safety Officer in support of Resource's activities. The intent of these requirements is to select functional managers capable of effectively managing and supervising the safety function in the urban disaster environment.

Required Training:

The Task Force Safety Officer shall:

1. Complete all General Training requirements.
2. Complete FEMA National US&R Response System GPS Awareness Level course, or equivalent
3. Complete ICS-300 in accordance with the NIMS Training Program
4. Complete FEMA National US&R Response System US&R Safety Officer course, or equivalent
5. Meet requirements of NFPA 1006 Rescue Technician Level 1 & 2 (Excluding Chapter 1 Administration: Section 1.3.3):
 - Job Performance Requirements – Chapter 5
 - Rope Rescue Level 1 & 2 – Chapter 6
 - Confined Space Rescue Level 1 & 2 – Chapter 7
 - Trench Rescue Level 1 & 2 – Chapter 8
 - Vehicle and Machinery Rescue – Chapter 10

- a. Complete refresher training as required by the AHJ in accordance with Rescue Technician (NFPA 1006).
6. Complete the FEMA National US&R Response System Structural Collapse Technician course or equivalent
7. Current Certification in Basic First aid for First Responder or equivalent

Recommended Training:

1. Complete ICS-400 in accordance with the NIMS Training Program.

SEARCH TEAM MANAGER

POSITION DESCRIPTION

Position Specific Requirements:

The Search Team Manager is responsible for managing the search function of the task force and supervising the Canine Search Specialists and Technical Search Specialists. The Search Team Manager reports directly to the Task Force Leader.

Description of Duties:

The Search Team Manager is responsible for:

- Developing and implementing the search component of the Task Force Tactical Action Plan
- Coordinating, managing, and supervising all search and reconnaissance activities
- Participating in the oversight, administrative and operational control of the development, implementation and operational aspects of search component training (Canine Search Specialists, Technical Search Specialists and Search Team Managers)
- Participating in the Canine Search Specialist evaluation process at the task force level
- Providing research and development input at the task force level for the implementation and evaluation of new technologies, equipment, tactics and skills as they pertain to the search component
- Land navigation and site mapping
- Determining search and reconnaissance operational, organizational and logistical needs
- Ensuring that all assigned personnel are kept informed of mission objectives and status changes to include briefings and debriefings
- Preparing performance evaluations for assigned personnel
- Providing situation updates, documenting and maintaining records and reports
- Providing oversight for accountability, maintenance, and minor repairs for all issued/assigned equipment
- Performing additional tasks or duties as assigned

Position Requirements and Criteria:

Individuals who meet the following requirements and criteria will be eligible to deploy as a Search Team Manager in support of Resource's activities. The intent of these requirements is to select functional managers, capable of effectively managing and supervising the search component, in the urban disaster environment.

Required Training:

The Search Team Manager shall:

1. Complete all General Training requirements.
2. Complete the FEMA National US&R Response System Technical Search Specialist course, or equivalent
3. Complete the FEMA National US&R Response System Canine Search Specialist course, or equivalent
4. Shall have experience in technical or canine search operations to include but not limited to participation in field exercise(s) and SAR deployments or equivalent qualification as determined by the SA/AHJ
5. Complete all Technical Rescue Skill Sets.

Recommended Training:

The Search Team Manager should:

1. Complete the FEMA National US&R Response System Structural Collapse Technician course, or equivalent
2. Complete the FEMA National US&R Response System Task Force Leaders' course, or equivalent
3. Complete the FEMA National US&R Response System Planning Team Training course, or equivalent
4. Complete NWCG GPS for Fire Management and ICS course or equivalent
5. Meet all requirements of NFPA 1670 Chapter 9 Section 9.3.5.
6. Meet requirements of NFPA 1006 Rescue Technician Level 1 & 2 (Excluding Chapter 1 Administration: Section 1.3.3):
 - Job Performance Requirements – Chapter 5
 - Rope Rescue Level 1 & 2 – Chapter 6
 - Confined Space Rescue Level 1 & 2 – Chapter 7
 - Trench Rescue Level 1 & 2– Chapter 8
 - Vehicle and Machinery Rescue – Chapter 10
 - Surface Water Rescue Level 1 & 2– Chapter 11
7. Complete ICS 300 in accordance with the NIMS Training Program
8. Complete ICS-400 in accordance with the NIMS Training Program
9. Complete all Technical Rescue Skill Sets.

STRUCTURES SPECIALIST POSITION DESCRIPTION

Position Specific Requirements:

The Structures Specialist is responsible for performing the various structural assessments for the task force during incident operations. The Structures Specialist reports directly to the Planning Team Manager.

Description of Duties:

The Structures Specialist is responsible for:

- Assessing the structural condition within the area of task force operations, which includes identifying structure types and specific damage and structural hazards
- Recommending the appropriate type and amount of structural hazard mitigation in order to minimize risks to task force personnel
- Provide input necessary to the development of task force tactical action plans
- Cooperating with and assisting other search and rescue resources
- Providing accountability, maintenance, and minor repairs for all issued equipment
- Performing additional tasks or duties as assigned during a mission
- Monitoring assigned structure for condition changes while rescue and recovery operations are proceeding
- Assuming an active role in implementing approved structural hazard mitigation as a designer, inspector, and possibly a supervisor
- Coordinating and communicating the structural related hazard mitigation
- Performing additional tasks or duties as assigned

Position Requirements and Criteria:

Individuals who meet the following requirements and criteria will be eligible to deploy as a Structures Specialist in support of Resource's activities. The intent of these requirements is to select personnel fully capable of providing competent assessments and advice to task force personnel in the urban disaster environment.

Required Training:

The Structures Specialist shall:

1. Complete all General Training requirements.
2. Complete FEMA National US&R Response System GPS Awareness Level course, or equivalent
3. Complete the FEMA USACE Structures Specialist Training (StS-1) course
4. Complete all Technical Rescue Skill Sets

Additional Specific Requirements:

The Structures Specialist shall:

1. Be currently licensed as a Professional Engineer; specialization in structures or equivalent.
– and –
2. Have a minimum five years of experience in structure design and analysis to include evaluation of existing structures, field investigation or construction observation experience, or the teaching of subject pertaining to Structures, Structural Safety, and Structural Collapse.

The criteria for qualifying as Equivalent to a P.E. are as follows:

1. Graduation with B.S. in Civil Engineering (or similar curriculum) from a College or University

recognized by a State Licensing Board.

– OR –

2. Individuals, who are licensed as Architects by any State.

Recommended Training:

The Structures Specialist should:

1. Complete FEMA National US&R Response System Structural Collapse Technician course (except for SCT01c), or equivalent
2. Complete FEMA National US&R Response System Planning Team Training course, or equivalent
3. Completion of FEMA /USACE Structures Specialist Training (StS-2) every 5 years
4. Completion of USACE StS Regional Training every 2 years

TASK FORCE LEADER

POSITION DESCRIPTION

Position Specific Requirements

The Task Force Leader is responsible for managing all aspects of a mission including operational and administrative issues from the time of activation through the return to the home jurisdiction. This includes all personnel and equipment resources as well as overseeing and directly supervising the task force management. The TFL is responsible for the development and completion of all task force tactical objectives as well as the proper reporting, record keeping, and after-action requirements. The Task Force Leader reports to the Sponsoring Agency, Incident Command or Unified Search and Rescue Command.

Description of Duties:

The Task Force Leader is responsible for:

- Developing and implementing the Task Force Tactical Action Plan
- Addressing the coordination, management, and supervision of all TF activities
- Supervising the following positions:
 - Search Team Manager
 - Rescue Team Manager
 - Medical Team Manager
 - Logistics Team Manager
 - Planning Team Manager
 - Hazardous Materials Team Manager
 - Safety Officer
- Ensuring the development of all TF organizational and logistical needs
- Receiving briefings and ensuring that all TF personnel are kept informed of mission objectives and status changes
- Providing regular situation reports to the IST, IMT or IC
- Performing additional tasks and duties, as assigned during a mission
- Ensuring the completion of all the required reports and maintenance of records
- Ensuring incident stress management activities are planned and conducted
- Ensuring resource acquisitions are properly processed
- Manage all demobilization and return to readiness issues
- Performing additional tasks or duties as assigned

Position Requirements and Criteria:

Individuals who meet the following requirements and criteria will be eligible to deploy as a Task Force Leader in support of Resource's activities. The intent of these requirements is to select functional managers capable of effectively managing and supervising all aspect of the task force in the urban disaster environment.

The requirements and criteria for the Task Force Leader are as follows:

The TFL should have and maintain:

- A comprehensive knowledge of NIMS/ICS; the NRP; and the FEMA National US&R Response System, its organizational structure, operating procedures, safety practices, terminology, and communications protocols.
- A comprehensive knowledge of the Task Force functions, and urban search and rescue operations, tactics, strategy, and safety considerations
- An understanding of other disaster response organizations

- Knowledge of available technology used in support of US&R missions and objectives
- An awareness of the hazards associated with various disaster environments
- A knowledge of supervisory and personnel management techniques

The TFL should:

- Be competent in the development and use of integrated action planning concepts and processes
- Be competent in emergency incident management
- Be competent at developing and maintaining interpersonal relations
- Possess the interpersonal skills to manage the assigned personnel and lead the task force to the accomplishment of the stated mission objectives
- Be a competent planner and organizer
- Be capable of effectively coordinating and directing multiple functions of the Task Force during mission assignment
- Be able to be flexible, to improvise, to share information, resolve conflicts, and solve problems
- Be able to effectively communicate orally and in writing
- Possess good interagency coordination skills and work well with various technical components and other organizations
- Have the ability to lead in a stressful disaster environment with limited resources
- Have the ability to follow directions and carry out assigned duties without supervision

Required Training:

The Task Force Leader shall:

1. Complete all General Training requirements.
2. Complete ICS-300 and ICS-400 in accordance with the NIMS Training Plan
3. Complete FEMA National US&R Response System Task Force Leaders' course, or equivalent

Recommended Training:

The Task Force Leader should:

1. Complete a FEMA National US&R Response System Structural Collapse Technician course, or equivalent
2. Meet all requirements of Structural Collapse Technician as per NFPA 1670
3. Complete a FEMA National US&R Response System Technical Search Specialist course, or equivalent
4. Complete a FEMA National US&R Response System Planning Team Training course, or equivalent
5. Complete the NWCG All-Hazards Incident Commander course or equivalent
6. Complete the NWCG All-Hazards Operations Section Chief course or equivalent
7. Complete the NWCG All-Hazards Planning Section Chief course or equivalent

TECHNICAL INFORMATION SPECIALIST POSITION DESCRIPTION

Position Specific Requirements:

The Technical Information Specialist is responsible for documenting, tracking, and retrieving all pertinent information for the Task Force during incident operations. The Technical Information Specialist reports directly to the Planning Team Manager.

Description of Duties:

The Technical Information Specialist is responsible for:

- Gathering requested information from all available sources and forwarding to the Planning Team Manager for incorporation in the planning function
- Creating, displaying, providing and compiling documentation for all pertinent Task Force and incident information via written, audio, and visual mediums
- Providing accountability, maintenance, and minor repairs for all Planning Team equipment
- Performing additional tasks or duties as assigned

Position Requirements and Criteria:

Individuals who meet the following requirements and criteria will be eligible to deploy as a Technical Information Specialist in support of Resource's activities. The intent of these requirements is to select personnel fully capable of providing competent information management for the task force in the urban disaster environment.

Required Training:

The Technical Information Specialist shall:

1. Complete all General Training requirements.
2. Complete the FEMA National US&R Response System Planning Team Training course, or equivalent

Recommended Training:

The Technical Information Specialist should:

1. Complete ICS-300 in accordance with the NIMS Training Plan
2. Complete the NWCG All-Hazards Situation Unit Leader course or equivalent
3. Complete the documentation unit leader course.

TECHNICAL SEARCH SPECIALIST POSITION DESCRIPTION

Position Specific Requirements:

The Technical Search Specialist is responsible for performing the technical search function of the task force incident operation. The Technical Search Specialist reports directly to the Search Team Manager.

Description of Duties:

The Technical Search Specialist is responsible for:

- Searching structures in US&R environments or other locations indicated in the mission assignment, utilizing appropriate technical search equipment and techniques
- Documenting and marking locations of victims, potential victims and hazards
- Making assessments through the use of technical search equipment
- Land navigation and site mapping
- Cooperating with and assisting other search and rescue resources
- Providing accountability, maintenance, and minor repairs of all issued equipment
- Performing additional tasks or duties as assigned

Position Requirements and Criteria:

Individuals who meet the following requirements and criteria will be eligible to deploy as a Technical Search Specialist in support of Resource's activities. The intent of these requirements is to select competent personnel, fully capable of providing state-of-the-art search techniques and tactics required, in the urban disaster environment.

Required Training:

The Technical Search Specialist shall:

1. Complete all General Training requirements.
2. Complete the FEMA National US&R Response System Technical Search Specialist course, or equivalent
3. Complete all Technical Rescue Skill Sets

Recommended Training:

The Technical Search Specialist should:

1. Complete a FEMA National US&R Response System Canine Search Specialist course, or equivalent
2. Meet requirements of NFPA 1006 Rescue Technician Level 1 & 2 (Excluding Chapter 1 Administration: Section 1.3.3):
 - Job Performance Requirements – Chapter 5
 - Rope Rescue Level 1 & 2 – Chapter 6
 - Confined Space Rescue Level 1 & 2 – Chapter 7
 - Trench Rescue Level 1 & 2 – Chapter 8
 - Vehicle and Machinery Rescue – Chapter 10
 - Surface Water Rescue Level 1 & 2 – Chapter 11
3. Complete the FEMA National US&R Response System Structural Collapse Technician course or equivalent
4. Complete the Wide Area Search course
5. Complete a canine emergency field care course

WATER RESCUE SPECIALIST POSITION DESCRIPTION

Position Specific Requirements:

The Water Rescue Specialist is responsible for performing water operations of the task force incident operation. The Water Rescue Specialist reports directly to a Rescue Squad Officer.

Description of Duties:

The Water Rescue Specialist is responsible for the following:

- Implementing technical skills and operating equipment necessary for completing the water rescue portion of the action plan in a safe manner
- Performing supervised water operations and providing periodic progress reports as needed
- Operating and performing routine field maintenance of watercraft and equipment
- Ensuring accountability and maintenance for all issued equipment
- Performing additional tasks or duties as assigned
- Evaluating and modifying water operational tactics as needed

Position Requirements and Criteria:

Individuals who meet the following requirements and criteria will be eligible to deploy as a Water Rescue Specialist in support of Resource's activities. The intent of these requirements is to select personnel who are fully capable of providing the water operational tactics and techniques required in a disaster environment.

Required Training:

The Water Rescue Specialist shall adhere to the following:

1. Complete all administrative and general training requirements
 - Complete the FEMA National US&R Response System GPS / Land Navigation Operations Course, or equivalent.
 - Meet requirements of NFPA 1006 (2008):
2. Chapter 5: Job Performance Requirements
3. Chapter 6: Rope Rescue (Levels 1 & 2)
4. Chapter 11: Surface Water Rescue (Levels 1 & 2)
 - Safe boating certificate recognized by the National Safe Boating Council
 - Boat operator requirements as outlined in FEMA National US&R Response System Water Rescue Specialist Position Task Book, or equivalent.

Technical Rescue Skill Sets:

Minimum skill set recommendations for Task Force Personnel who enter the hazard zone, i.e. forward deployment:

1. General Requirements of NFPA 1670
2. Rope Rescue awareness per NFPA 1670*
3. Trench Rescue awareness per NFPA 1670
4. Duties of the Entrant per 29 CFR 1910.146

*** Additional Required Rope Rescue skills;**

1. Safety considerations during rope rescue operations

2. Characteristics of life safety rope and webbing
3. Application of rope rescue hardware specific to a lowering operation
4. Application of rope rescue hardware and software specific to a belay line
5. Assemble and apply a Class III harness
6. Assemble and apply a "Hasty Harness"
7. Tie a Simple Figure Eight knot
8. Tie a Figure Eight follow-through knot
9. Tie an overhand follow-through with webbing
10. Attach a prusik loop to a rope
11. Be familiar with anchor systems
12. Be familiar with raising and lowering systems
13. Proficiency at attaching oneself to, and participating in a raising or lowering system
14. Proficiency at descending and ascending a fixed line, low angle

Annex A-2 US&R Resource Mission Capability Requirements

Resource shall have an equipment cache demonstrating the capability to meet the requirements specified for core capabilities outlined below and consistent with those found in EMAP US&R Standard 3.7.2.

SEARCH

The Search section is based upon supporting the wide area, technical, and canine search components of the operations. This equipment will provide the US&R Resource with the capability to perform reconnaissance, HASTY, primary, and secondary search functions necessary to the location and identification of victims and site conditions. Equipment identified in the section should be capable of providing search identification functions utilizing multiple sensory methods. Equipment in this section should also be capable of providing GPS location identification, mapping, and photographic documentation necessary to support rescue operations and situational reporting.

Equipment required for the conduct of wide area, technical and canine search.

All equipment must be capable of field calibration and adjustment.

The equipment needs of the type Resource to meet this capability include provisions for:

- Acoustic
- Optic Equipment
- Thermal Identification Equipment
- Mapping and Tracking
- Canine Search Equipment
- Marking and Identification Equipment/Supplies

RESCUE

Equipment requirements are based upon supporting the typed Resource, applicable work schedule and location(s). Rescue operations may occur in multiple locations simultaneously to support this capability will require duplication of tools kits and multiple power sources.

The Resource shall have equipment to perform all the elements specified in US&R Resource Mission.

- i. Ability to conduct operations safely and effectively in:
 - a. Flooded environments;
 - b. Structural collapse to include all applicable Types of Construction;
 - c. Confined Spaces;
 - d. Trench and Excavation;
 - e. Rope Rescue; and
 - f. Vehicle and Machinery Extrication.
- ii. The equipment needs of the type Resource to meet this capability include provisions for:
 - Powered (Pneumatic, Electric, Hydraulic, and Gasoline) Tools
 - Miscellaneous Tools and Hand Tools
 - Heavy Rigging Support Equipment
 - Technical Rope Rescue Equipment
 - Structural Specialist Equipment
 - Water Operations Equipment

MEDICAL

Medical equipment requirements are based upon the typed Resource. Provisions for the medical treatment, including advanced life support for survivors, and Resource members, and disaster search canines is required. The quantity of equipment, supplies and pharmaceuticals are based upon the capabilities of the Resource and mission.

The equipment needs of the type Resource to meet this capability include provisions for:

- Pharmaceuticals
- Medical Equipment
- Canine Support
- Airway Management
- Intravenous Access/Administration
- General Patient Assessment Care
- Patient Immobilization/Extrication Equipment
- Patient Personal Protection
- Patient Monitoring
- Skeletal and Wound Care

HAZMAT

This section was developed for Resources to allow capability to identify and/or operate safely within a contaminated environment. Resources are capable of performing limited operations in a contaminated environment subject to the type and concentration of contamination. The Resources' capabilities would include presumptive site characterization; performance of reconnaissance, search and rescue within a contaminated environment; and decontamination of personnel and a limited number of survivors.

A contaminated environment may include, but is not limited to, incidents involving the intentional or accidental release of any hazardous materials. Type I Resources are required to maintain capabilities for Chemical, Biological, Radiological, Nuclear, or Explosive (CBRNE) incidents. Resources are expected to have the requisite knowledge, skills, and abilities to develop a risk management plan that provides the highest level of services without putting members at unreasonable risk.

The equipment needs to meet this capability include:

- Hazmat Detection
- Hazmat Radiation Detection Equipment
- Hazmat Personal Protective Equipment
 - Level B and C PPE based on the Resource type in quantities sufficient to support a 12-hour operational period.
- Hazmat Decontamination

COMMUNICATIONS

The Communications equipment requirements are based upon supporting the overall communications requirements of the entire task force.

The Resource is capable of supporting the following:

- Voice communications for all members and attached personnel (force protection, liaisons, etc.).
- Voice and Data communications between management, coordination, response elements and other agencies.

- Ongoing sustainment and maintenance of the communications cache
- Wide-area communications to meet operational requirements based on Resource Type.

Voice Communications Performance:

- Portable ~1.5 mile
- Mobile ~3 miles
- Repeater ~3-5 miles
- Satellite ~Continental USA
- Cellular ~Continental USA
(Data bandwidth per second)

Communications/Satellite:

- VSAT @ 5Mbs down; or
- BGAN @ 256Kbs down

Other:

- Cellular @ 1-10Mbs down
- WiFi @ 54Mbs

RESOURCE MANAGEMENT

LOGISTICS

This section is based upon supporting and sustaining dietary, shelter, personnel support/protection, administrative, transportation or other requirements of the Resource. Components include those required for the Base of Operations. Quantities necessary meet the requirements of the Resource for a minimum of the first 72 hours of self-sufficiency. Personal protective equipment, uniform standards, and support items for individual use during a mission assignment, taking weather extremes into account, are required.

The equipment needs of the type Resource to meet this capability include provisions for:

- Shelter
- Food and water
- Sanitation Control
- Cache Transport and Support
- Base of Operation Support
- Planning Section, Technical Information, and Structural Specialist Support
- Personnel Gear and Protective Equipment
- Safety Equipment to include various forms respiratory protection
- Equipment Support and Maintenance
- Resource Support

GENERAL

PACKAGING and CONTAINERS

All equipment and supplies shall be properly packaged to facilitate transportation requirements and property accountability/protection.

Containers are constructed of durable materials, watertight and stackable. Packaging weights and cube volumes must be considered within the overall gross limitations for air and/or ground transport and

should address the “worst-case” scenario of having to move, load, and unload the cache by hand or with simple hand operated material handling equipment. Hazardous materials shall be properly prepared, marked, labeled, and documented to meet requirements for various modes of ground and airlift transport.

EMAP has provided a cache list that is typed specific and available as a recommended cache to develop the resource capabilities to. This cache list was developed by the most current FEMA approved US&R Equipment Cache List and can be accessed at <http://www.emap.org>



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