



# National US&R Response System Operations Manual

## Annex D – Mission Ready Packages Concept of Operations

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# FEMA

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**Mission Ready Packages – Concept of Operations**

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### CHAPTER 1: INTRODUCTION

#### 1-1. Purpose

The purpose of this document is to describe the Federal Emergency Management Agency (FEMA) National Urban Search and Rescue (US&R) Response System’s (the System) Mission Ready Packages (MRPs) Concept of Operations (CONOP). This CONOP details the types of MRPs available, mission capabilities, components of the package, required equipment, logistical requirements, and integration into existing command and control structures.

#### 1-2. Background

The ability to deploy “modular” resources has been a goal of the System since early in its inception. The System’s Operations Manual states that “Cache loading plans must reflect the ability for loading and unloading of equipment necessary to allow effective task force operations including modular deployment, reconnaissance, or advanced teams”.

While historically the System has utilized the term “modular deployment” to describe the mobilization of specialized or discipline specific resources, the term “Mission Ready Packages” is more consistent with National Guard Bureau descriptive terminology. The use of MRPs also brings the System in line with Emergency Management Assistance Compact (EMAC) terminology. EMAC has developed an outline to assist agencies with pre-deployment activities and are a component of a response package that facilitate a faster response to a specific request.

#### 1-3. Organizational Design

System MRPs are specially created resource bundles utilized for disaster response. MRPs are defined as a “specific response resource capabilities that are organized, developed, trained, and exercised prior to an emergency or disaster”. These MRPs are designed to provide additional support and/or to augment a needed capability to System resources already operating at an incident or event. The organizational design of an MRP is set-up to be mobile and can be operationally independent. All MRPs will be supported from a command structure either under an IST or MRP Command Package (abridged with AHJ).

Given the robust capabilities of many states and local government’s urban search and rescue capabilities, System MRPs may also be deployed to provide specific mission capabilities to a requesting agency in support of the Authority Having Jurisdiction (AHJ).

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The System MRPs are intended to support both internal and external requests for assistance. An MRP configuration could consist of personnel only (without an equipment package) or personnel and an equipment package. The System would have the option to activate personnel and/or equipment packages from a single task force or multiple task forces to configure a requested MRP. While it is preferred that all members of each MRP be from the same task force, it is not required. They are designed for rapid deployment and can be requested, identified within the System, ordered, and tracked effectively during an emergency, when time is of the essence.

#### **1-4. Task Force Requirements**

Any System task force providing personnel for an MRP must ensure that each deployed member meets all the requirements for being fully deployable. Each member must be furnished with all personal protective equipment necessary to perform in the environment expected.

#### **1-5. Deployment**

The US&R Branch will maintain a list of MRPs which are available. The appropriate MRP will be selected by the US&R Branch based on the requested capability, location of the request, and availability. When an MRP is requested the US&R Branch will contact the task force(s) from which the MRP will be deployed.

#### **1-6. Mobilization**

The task force(s) providing the MRP should have a specific mobilization plan in place for the MRP. This plan should describe the actions that must occur from receipt of an alert or activation order until the MRP has reached the designated reporting location. Detailed planning is required to ensure that the MRP can meet the four-hour time frame for departure by ground transportation or the six-hour time frame for an Aerial Port of Embarkation (APOE). While enroute the MRP will be responsible for providing updates on their status to the NRCC and the deploying task force(s) point-of-contact.

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**CHAPTER 2: MRP MOBILIZATION & IN-TRANSIT ACTIVITIES**

**2-1. MRP Transportation Requirements**

Task force logistics personnel are trained to prepare, package, palletize, and document the equipment cache for commercial and/or military airlift. Task forces train with their local commercial air cargo carrier and/or military aerial port to facilitate air transportation capabilities for equipment personnel.

DoD has been the primary provider of air transportation for the System due to its robust airlift capability. Civilian carriers may provide air transportation, but their capability is limited, and civil aviation rules are much more restrictive. Due to commercial aircraft regulations concerning hazardous cargo, multiple aircraft may be required to move a System resource and movement by civilian carrier may require that caches and pallets be reconfigured for loading.

The US&R Branch is responsible for determining the appropriate mode of transportation for all activated System resources. During most activations within the continental United States (CONUS), the primary mode of transportation for task force personnel and equipment is ground transportation. Because a deployed MRP using ground transportation may deplete part of the task force's rolling stock and effect the team's ability to deploy additional configurations, the use of rental vehicles and/or other supplemental means of transporting personnel should be considered when appropriate. FEMA coordinates the airlift of System resources to an affected area for responses outside the CONUS.

When System resources are transported via airlift, information essential to the resource's deployment is provided by the US&R Branch or NRCC ESF #9 SAR Unit Leader to the NRCC Movement Coordination Center (MCC) when the request for deployment is submitted. Some of the information that is necessary to coordinate airlift transportation includes the following:

- A resource POC and telephone number
- Ready-to-load date and time
- Available-to-load date and time
- Earliest and latest arrival date and time
- Required delivery date and time

When System resources are transported by air, transportation to the mobilization center and to the worksite is the responsibility of the IST. If the IST is not co-located or operational, the responsibility will fall to the IMAT/JFO, Region, or the NRCC ESF #9 SAR Unit.

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### 2-2. MRP Mobilization Guidelines

#### I. Departure Time Frames

Upon activation, the MRP will either depart its POD via ground within four hours of activation or arrive at the APOE within six hours. The MRP's Sponsoring Agency is expected to perform the following tasks within this time:

- Assess the level of readiness of the MRP
- Receive approval from government officials to mobilize
- Assemble MRP personnel at the task force POD (or the APOE)
- Assemble all elements of the MRP equipment cache at the task force POD (or the APOE)

Task Forces must meet the targeted timeframe for departure. The inability of a jurisdiction to mobilize its MRP within the required timeframe could prevent it from being considered for mobilization.

#### II. Personnel and Equipment

MRP mobilization policies and procedures must be pre-established, well-planned, and exercised for a task force to accomplish the required MRP mobilization tasks in a short period of time. Task force personnel should have all necessary personal equipment load planned for efficient and timely deployment. The operational scope and capability of each MRP is outlined in the Appendices of this Handbook.

A recommended minimum cache list has been developed that is appropriate for each MRP and may be found in the current *FEMA MRP Equipment Cache List*. The equipment listed for each MRP is selected from the *FEMA Approved Equipment Cache List* unless otherwise noted. The cache list is a minimum recommendation for equipment and is based on the number of personnel deployed with an MRP, not on the type of MRP. The two exceptions to this are the MRP-Water Rescue and the MRP- Tunnel Rescue, both have specific minimum level cache lists included in the *FEMA MRP Equipment Cache List*. A task force may choose to add items based on the MRP mission and/or the impact on the sending task force's ability to deploy.

At the assembly point, the task force must have a pre-established system in place, which includes the following procedures, to process personnel for an MRP activation:

- Gear inspection and weighing
- Medical screening of deploying personnel and canines
- Personal information checks



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- The issuing of equipment

The medical screening must cover the specified criteria adopted by the System for the task force physicians and veterinarians to designate personnel and canines as deployable or non-deployable. A process to quickly assemble all MRP cache items required for deployment should be established.

Procedures to procure specific cache items such as water, controlled pharmaceuticals, and batteries must be in place prior to a mobilization. Procedures that allow for the procurement of these supplies outside of normal business hours must also be established. MRP load plans that document where specific items are placed on military aircraft pallets, with pallet weights and cubic feet already calculated, should be in place. Additionally, load plans for ground transport that show similar placement of cache items on over-the-road trucks should also be in place.

Cache load plans must reflect priority loading and unloading of equipment to ensure that effective MRP operations can begin as soon as an MRP arrives at its assignment. These plans should include equipment for various MRP configurations.

### **III. MRP Briefing**

After accepting a mission, the Task Force should assemble all necessary personnel according to the agency's policies and procedures. A formal personnel briefing involving all MRP team members should be conducted and should include the following:

- MRP organizational structure
- Chain of command
- Latest event information
- Environmental conditions
- Media issues and procedures
- Safety issues
- Communications procedures
- Other information provided by specific specialists
- Transportation mode, estimated departure time, POA, etc.

Supervisors should also brief the MRP personnel about expectations, distribute and review operational checklists, and review the readiness of personnel for mission operations.

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#### **2-3. Point of Departure Activities**

Ground transportation during mobilization to a site may require manual handling and loose loading of cache containers or mechanized loading of palletized material. Adherence to the container weight and size limitations ensures overall manageability of the cache.

The Task Force is responsible for the assembly, management, and movement of the cache from its home jurisdiction to the POD during mobilization. This requirement should be fully defined, preplanned, and exercised prior to any actual Federal deployment. The following processes should be addressed:

- Assembling and packaging all cache tools, equipment, and supplies (if the items are not maintained as a "stand alone" cache)
- Identifying, procuring, and packaging perishable or short shelf-life items (e.g., batteries, food supplies, water, fuels, etc.)
- Generating an inventory of all cache items as the cache is assembled

The air transportation from an APOE to the mobilization center and back may be provided by either military or civilian contract aircraft. While civilian aircraft may need to be manually loaded using lower height cargo holds, military aircraft require the cache and personal equipment be set on the appropriate military aircraft pallets.

#### **2-4 In-Transit Activities**

Once the MRP is enroute to the incident, the MRP leader or designee must consider issues such as communications, law enforcement support, and transportation safety.

##### **I. In-Transit Communications**

While traveling to/from an incident, each MRP is required to contact the NRCC every two hours while traveling by ground and before and after a flight when traveling by air. The telephone number for the ESF #9 desk in the NRCC is located on the 18-002 Activation Orders. Check-ins allows the NRCC to receive updates on the MRP's travel and, in return, for the MRP to receive incident updates.

The MRP reports to the IST upon reaching their assigned destination. The IST may communicate with the MRP prior to arrival and advise them of any changes to the expected reporting location. In some cases, the MRP may commence operations immediately; at other times, the IST may request the MRP report to the IST Base or stage at a location outside of the incident. If the MRP is requested to stage outside of the incident site, the safety and security of the personnel and cache is a consideration and may involve posting sentries to guard sleeping quarters and the equipment cache using law enforcement support.

Upon arrival, the MRP normally meets with the IST POA/Mob Specialist. This

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individual works under the Logistics Section of the IST and may be located at an airfield, a mobilization center, the IST Base or other appropriate location. The POA/Mob Specialist provides an overview of the site and current situation and assists the MRP in getting to its assigned location. In some instances, that assistance could be in the form of providing a reporting location; at other times, it might mean obtaining additional transportation assets.

#### **II. Safety During Transportation**

Regardless of the mode of transportation used during an incident, the safety of personnel is a constant consideration. FEMA authorizes (and reimburses for) up to thirty Support Specialists to prepare the MRP for deployment.

Prior to departure, a personnel roster (e.g., organizational chart, flight manifest, FEMA Form 18-001 Deployment Verification) must be completed to ensure all responding members are present and accounted for.

#### **III. Ground Transportation**

If the MRP is travelling by ground, special consideration must be given to the work-rest cycle for the drivers. All members of the MRP should ensure that loads are properly secured for over-the road driving and pre-departure inspections have been performed.

Personal accountability reports (PAR) must be completed prior to departure and again after every stop. This action ensures that no one is left behind and sets the tone for the importance of regular PARs throughout the deployment.

MRP security is an important issue when traveling. Vehicles should travel in convoys and have good communications between them. When making stops for fuel, food, or rest, procedures for the security of personnel and equipment should be identified.

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**CHAPTER 3: ON-SITE OPERATIONS**

**3-1. Arrival at the Assigned Location with an Incident Support Team**

While on site with an IST, (in-System response) the formal lines of authority for MRPs will be determined by the current Operational Action Plan (OAP) developed by the IST. Depending upon the type of MRP, they may be assigned to work under the supervision of a Branch Director, Division or Group Supervisor.

Upon arrival of the MRP at the assigned location the MRP Leader will be briefed by the IST personnel. This briefing should include the following information:

- Current situation and conditions
- Past and current operations
- Planned assigned work location
- Chain of Command and reporting requirements
- Communications Plan
- Logistical Support for the MRP:
  - Billeting arrangements
  - Available food and water
  - Medical facilities
  - Transportation for personnel, and equipment
  - Shelters and locations of refuge
  - Resupply

**3-2. Arrival at the Assigned Location/Jurisdiction Interaction with an AHJ Command Structure**

For circumstance where the MRP has been directly assigned to an AHJ (out-of-System response), the reporting relationship will be determined by the current Incident Action Plan (IAP). Depending upon the type of MRP utilized, they may be assigned to work under the supervision of a Branch Director, Division or Group Supervisor.

All deployed MRPs will be supported by the System and this support shall consist of at a minimum an IST Liaison Officer. The IST Liaison shall be assigned and respond with the MRPs to act as a representative on behalf of the MRPs.

For circumstances requiring additional support, an MRP Command from the System may be activated to respond with the MRP(s). Additional System resources such as a Communications Specialist may also be requested in support of the MRP response.

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Upon arrival of the MRP at the assigned location, the MRP Leader in addition with an IST or MRP Command will be briefed by the Local Incident Commander or their designee. This briefing should include the following information:

- Current situation and conditions
- Past and current operations
- Planned assigned work location
- Chain of Command and reporting requirements
- Communications Plan
- Logistical Support for the MRP:
  - Billeting arrangements
  - Available food and water
  - Medical facilities
  - Transportation for personnel, and equipment
  - Shelters and locations of refuge
  - Resupply

For the duration of the out-of-System assignment, the IST/MRP Command will ensure that the needs of the MRPs are met. In this circumstance, the IST/MRP Command will provide regular updates to the NRCC ESF #9 Desk and the deploying task force(s) point-of-contact.

#### **3-3. Media Procedures**

Media management procedures must be identified during the initial briefing. All MRP personnel must clearly understand appropriate procedures when interacting with different forms of media. The local Public Information Officer (PIO) is responsible for the release of information regarding the incident. FEMA has established guidelines pertaining to media interaction and release of information involving task force activities at the local and national levels. All MRP members should adhere to these guidelines when dealing with media matters.

#### **3-4. Work Period Scheduling and Rotations**

The IST/MRP Command or AHJ Command will need to determine how MRPs will be employed at the onset of mission operations. MRPs are designed to engage in single operational periods typically not exceeding 12-hours. If 24-hour operations are desired additional MRPs will be required.

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#### **3-5. Medical Considerations**

System members are provided Federal Employees Compensation Act and Federal Tort Claims Act protection in 44 CFR 208 and Public Law 114-326 – *National US&R Response System Act of 2016*. A System resource such as an MRP-Water includes paramedic level care and the Federal status of System members permits these personnel to provide medical care outside of the State in which they are licensed.

On the System’s current NIMS type I and III US&R task force models the US&R Medical Specialists practice in accordance to their local protocols and under the guidance/licensure of the deployed physicians. MRP Water Rescue and NIMS type 4 US&R task force deployments shall have, at a minimum, one US&R Medical Specialist (paramedic) that deploys with the resource. MRPs that do not deploy with a US&R Medical Specialist may only operate at the Basic Life Support/EMT level.

##### **I. Medical Control**

When an MRP is deployed with an IST, the IST US&R Medical Officer will provide direct medical control for the paramedics. If an IST is not deployed, the US&R Branch shall deploy an IST US&R Medical Officer to provide medical control for the MRP Medical Specialists (paramedics).

In situations where no IST is deployed, and no IST US&R Medical Officer is available during the activation of an MRP the US&R Branch shall activate a task force physician from the Task Force of the MRP to provide medical control over the MRP Medical Specialists (paramedics).

- The activation of the task force physician is initiated to provide federal tort liability protection to that physician while providing medical control to deployed MRP Medical Specialist(s).
- The activation of the physician would not require deployment.
- In most instances, it is anticipated the medical control will be off-line through MRP Medical Specialist to home unit protocols.

#### **3-6. Health Considerations**

The MRP Leader will maintain communications with the IST Medical Officer or local Medical Unit Leader and keep that individual (and the System US&R Liaison Officer for out-of-System responses) updated on medical issues. The need for additional medical assistance for civilian injuries will be directed through the AHJ Command or IST to local authorities if available.

In addition to health considerations the MRP Leader should request information pertaining to “industrial hygiene” oversight to minimize exposure to hazardous agents/products and confirm that a site safety plan is communicated among MRP members.

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**Appendix A: Mission Ready Package – Canine Search**

<b>RESOURCE:</b>	Canine Search Support Team		
<b>RESOURCE CATEGORY:</b>	Search and Rescue (ESF #9)	<b>KIND:</b>	Canine Search
<b>OVERALL FUNCTION:</b>	A team that performs multiple, simultaneous searches for survivors or human remains, using discipline– specific canines.  1 MRP is capable of continuous 12-hour operations, for 24-hour operations, order two or more MRPs.	<b>COMPOSITION &amp; ORDERING SPECIFICATIONS:</b>	1 Search Team Manager 2 Canine Search Teams 1 Logistics Specialist 1 Support Personnel  Each package will include either two Canine Search Teams – Live Find (CST-LF) or two Human Remains Detection (CST-HRD) search canines and handlers. The LF or HRD capabilities are ordered as separate packages.  Re-supply and shelter for the team must be provided by the requesting agency. Law enforcement support will be provided by the local agency or ESF-13 response.

<b>CAPABILITIES:</b>			<b>NOTES:</b>
<b>COMPONENT:</b>	<b>METRIC:</b>	<b>DETAILS:</b>	
Personnel	Team Leader	1 FEMA US&R Search Team Manager	
Personnel	Canine Search Team	1 FEMA US&R Certified Canine (LF or HRD) 1 FEMA US&R Certified Canine Handler	
Personnel	Canine Search Team	1 FEMA US&R Certified Canine (LF or HRD) 1 FEMA US&R Certified Canine Handler	
Personnel	Logistics	1 FEMA US&R Logistics Specialist	
Personnel	Support Personnel	1 FEMA US&R Support Personnel	Mission-driven based on need
Vehicle	Transportation	Vehicle(s) capable of transporting CSTs	
Equipment	Materials and supplies	Self-sustaining for 72 hours to include personal protective equipment, food, water, and fuel. Basic first aid for human and canine at BLS level. Basic communications equipment for communications with the command element. Discipline specific equipment to accomplish the mission objectives, see <i>FEMA Mission Ready Package Equipment Cache List</i> for equipment details,	Ensure requesting agency is capable of providing 24-hour emergency veterinary care. If not, a System Doctor of Veterinary Medicine should be added to the Package.

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**Appendix B: Mission Ready Package – Communications**

<b>RESOURCE:</b>	Communications Support Team		
<b>RESOURCE CATEGORY:</b>	Search and Rescue (ESF #9)	<b>KIND:</b>	Communications
<b>OVERALL FUNCTION:</b>	<p>A team that supports a 24-hour operation full communications capability for an entity similar to an IST.</p> <p>1 MRP is capable of continuous 12-hour operations, for 24-hour operations, order two or more MRPs.</p>	<b>COMPOSITION &amp; ORDERING SPECIFICATIONS:</b>	<p>1 Communications Unit Leader                  2 Communications Specialists                  1 Communications Specialist (Networking)                  2 Radio Operators</p> <p>Re-supply and shelter for the team must be provided by the requesting agency. Law enforcement support will be provided by the local agency or ESF-13 response.</p>

<b>CAPABILITIES:</b>			<b>NOTES:</b>
<b>COMPONENT:</b>	<b>METRIC:</b>	<b>DETAILS:</b>	
Personnel	Team Leader	1 FEMA US&R Communications Unit Leader*	
Personnel	Communications Specialist (Networking)	1 FEMA US&R Communications Specialist (Networking)	
Personnel	Communications Specialist	2 FEMA US&R Communications Specialists	
Personnel	Radio Operators	2 FEMA US&R Radio Operators**	
Vehicle	Transportation	Vehicle(s) capable of transporting team and equipment	
Equipment	Materials and supplies	<p>Self-sustaining for 72 hours to include personal protective equipment, food, water, and fuel.</p> <p>Basic first aid resources at the BLS level.</p> <p>Discipline specific equipment to accomplish the mission objectives, see <i>FEMA Mission Ready Package Equipment Cache List</i> for equipment details.</p>	<p>May also bring communications equipment specified by requesting agency</p> <p>Re-supply and shelter for the team must be provided by the requesting agency. Law enforcement support will be provided by the local agency or ESF-13 response.</p>

\* The Communications Unit Leader should have a background and experience in Information Technology.

\*\* The primary responsibility of the Radio Operator is to pass accurate and timely information from the sender to the receiver and follow through with an accurate and timely response to the sender if needed. Other duties that may be required are documentation of all communications, filing of documentation, radio check-out/in, equipment checks, etc. The position may be filled by any member who possesses these skills.

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**Appendix C: Mission Ready Package – Command**

<b>RESOURCE:</b>	Command Support Team		
<b>RESOURCE CATEGORY:</b>	Search and Rescue (ESF #9)	<b>KIND:</b>	Command
<b>OVERALL FUNCTION:</b>	<p>A team that supports the Incident Commander(s) and/or Incident Management Team(s).</p> <p>1 MRP is capable of continuous 12-hour operations, for 24-hour operations, order two or more MRPs.</p>	<b>COMPOSITION &amp; ORDERING SPECIFICATIONS:</b>	<p>1 IST Leader  1 Operations Section Chief  1 Planning Section Chief  1 Logistics Section Chief  1 Medical Officer</p> <p>May order to assist State and Local Incident Management Teams.</p> <p>Re-supply and shelter for the team must be provided by the requesting agency. Law enforcement support will be provided by the local agency or ESF-13 response.</p>

<b>CAPABILITIES:</b>			<b>NOTES:</b>
<b>COMPONENT:</b>	<b>METRIC:</b>	<b>DETAILS:</b>	
Personnel	Team Leader	1 FEMA US&R IST Leader	
Personnel	Operation Section Chief	1 FEMA US&R IST Operations Section Chief	
Personnel	Planning Section Chief	1 FEMA US&R IST Planning Section Chief	
Personnel	Logistics Section Chief	1 FEMA US&R IST Logistics Section Chief	
Personnel	Medical Officer	1 FEMA US&R IST Medical Officer	
Vehicle	Transportation	Vehicle(s) capable of transporting personnel and equipment.	
Equipment	Materials and supplies	<p>Self-sustaining for 72 hours to include personal protective equipment, food, water, and fuel.</p> <p>Basic first aid resources at the BLS level.</p> <p>Basic communications equipment for communications with the command element</p> <p>Discipline specific equipment to accomplish the mission objectives, see <i>FEMA Mission Ready Package Equipment Cache List</i> for equipment details.</p>	

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**Appendix D: Mission Ready Package – Logistics Support**

<b>RESOURCE:</b>	Logistics Support Team		
<b>RESOURCE CATEGORY:</b>	Search and Rescue (ESF #9)	<b>KIND:</b>	Logistics
<b>OVERALL FUNCTION:</b>	A team that performs incident logistics support. This can include resource ordering, supply and resource receiving, distribution and transportation support. 1 MRP is capable of continuous 12-hour operations, for 24-hour operations, order two or more MRPs.	<b>COMPOSITION &amp; ORDERING SPECIFICATIONS:</b>	1 Logistics Team Manager 2 Logistics Specialists Re-supply and shelter for the team must be provided by the requesting agency. Law enforcement support will be provided by the local agency or ESF-13 response.

<b>CAPABILITIES:</b>			<b>NOTES:</b>
<b>COMPONENT:</b>	<b>METRIC:</b>	<b>DETAILS:</b>	
Personnel	Team Leader	1 FEMA US&R Logistics Team Manager	
Personnel	Logistics Specialist	1 FEMA US&R Logistics Specialist	Receiving/Distribution/Facilities
Personnel	Logistics Specialist	1 FEMA US&R Logistics Specialist	Transportation Support
Vehicle	Transportation	Vehicle(s) capable of transporting personnel and equipment.	4WD Pickup capable of pickup and delivery of supply resources preferred.
Equipment	Materials and supplies	Self-sustaining for 72 hours to include personal protective equipment, food, water, and fuel. Basic first aid for human and canine at BLS level. Basic communications equipment for communications with the command element. Discipline specific equipment to accomplish the mission objectives, see <i>FEMA Mission Ready Package Equipment Cache List</i> for equipment details.	

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**Appendix E: Mission Ready Package – Search**

<b>RESOURCE:</b>	Search Team		
<b>RESOURCE CATEGORY:</b>	Search and Rescue (ESF #9)	<b>KIND:</b>	Search
<b>OVERALL FUNCTION:</b>	A team that performs multiple, simultaneous canine and technical searches (detection and location) for survivors and/or human remains. Can assist with search management and documentation of searched areas.  1 MRP is capable of continuous 12-hour operations, for 24-hour operations, order two or more MRPs.	<b>COMPOSITION &amp; ORDERING SPECIFICATIONS:</b>	1 Search Team Manager 2 Technical Search Specialists 2 Canine Search Specialists (Both Live-Find or HRD) 1 Logistics Specialist 1 Support Personnel  Re-supply and shelter for the team must be provided by the requesting agency. Law enforcement support will be provided by the local agency or ESF-13 response.

<b>CAPABILITIES:</b>			<b>NOTES:</b>
<b>COMPONENT:</b>	<b>METRIC:</b>	<b>DETAILS:</b>	
Personnel	Team Leader	1 FEMA US&R Search Team Manager	
Personnel	Search Technician	2 FEMA US&R Technical Search Technicians	
Personnel	Canine Search	2 FEMA US&R Canine Search Specialists	
Personnel	Logistics	1 FEMA US&R Logistics Specialist	
Personnel	Support	1 FEMA US&R Support Personnel	Should have certifications to include, but not limited to: STM, TSS, TIS, CSST, Rescue Spec. Shall have ability to use GPS and manage GPS data including mapping skills.
Vehicles	Transportation	Vehicle(s) capable of transporting personnel and equipment.	2 4WD pickup trucks or 1 4WD pickup and 1 other type vehicle with closed trailer preferred.
Equipment	Materials and supplies	Self-sustaining for 72 hours to include personal protective equipment, food, water, and fuel. Basic first aid for human and canine at BLS level. Basic communications equipment for communications with the command element. Discipline specific equipment to accomplish the mission objectives, see <i>FEMA Mission Ready Package Equipment Cache List</i> for equipment details.	

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**Appendix F: Mission Ready Package – Structures Specialist**

<b>RESOURCE:</b>	Structural Specialist Advisory Module		
<b>RESOURCE CATEGORY:</b>	Search and Rescue (ESF #9)	<b>KIND:</b>	Structural
<b>OVERALL FUNCTION:</b>	Resource provides engineering input for a host agency which either does not have its own integrated structural engineering capability or needs additional support. 1 MRP is capable of continuous 12-hour operations, for 24-hour operations, order two or more MRPs.	<b>COMPOSITION &amp; ORDERING SPECIFICATIONS:</b>	2 Structures Specialists The primary mission for this module is engineering advice and liaison services for an IST or an IMT. Re-supply and shelter for the team must be provided by the requesting agency. Law enforcement support will be provided by the local agency or ESF-13 response.

<b>CAPABILITIES:</b>			<b>NOTES:</b>
<b>COMPONENT:</b>	<b>METRIC:</b>	<b>DETAILS:</b>	
Personnel	Structural Specialist	2 FEMA US&R Structures Specialists or 2 USACE US&R Structures Specialists	
Vehicles	Transportation	Vehicle capable of transporting personnel and equipment.	SUV type preferred
Equipment	Materials and supplies	Self-sustaining for 72 hours to include personal protective equipment, food, water, and fuel. Basic first aid for equipment at BLS level. Basic communications equipment for communications with the command element. Communications equipment suitable for assignment. Discipline specific equipment to accomplish the mission objectives, to include engineering tools suitable for assignment, see <i>FEMA Mission Ready Package Equipment Cache List</i> for equipment details.	

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**Appendix G: Mission Ready Package – Technical Rescue**

<b>RESOURCE:</b>	Technical Rescue Team		
<b>RESOURCE CATEGORY:</b>	Search and Rescue (ESF #9)	<b>KIND:</b>	Technical Rescue
<b>OVERALL FUNCTION:</b>	A team that performs rescue for survivors. Can assist with technical rescues. 1 MRP is capable of continuous 12-hour operations, for 24-hour operations, order two or more MRPs.	<b>COMPOSITION &amp; ORDERING SPECIFICATIONS:</b>	1 Rescue Team Manager 1 Rescue Squad Officer 5 Rescue Specialists 1 Logistics Specialist 1 Support Personnel  Re-supply and shelter for the team must be provided by the requesting agency. Law enforcement support will be provided by the local agency or ESF-13 response.

<b>CAPABILITIES:</b>			<b>NOTES:</b>
<b>COMPONENT:</b>	<b>METRIC:</b>	<b>DETAILS:</b>	
Personnel	Rescue Manager	1 FEMA US&R Rescue Team Manager	
Personnel	Squad Officer	1 FEMA US&R Rescue Squad Officer	
Personnel	Rescue Technicians	5 FEMA US&R Rescue Specialist	
Personnel	Logistics	1 FEMA US&R Logistics Specialist	
Personnel	Support	1 FEMA US&R Support Personnel	Should have certifications to include, but not limited to: Rigger and Logistics. Should be cross-trained but could deploy with 1 each Rigger and Logistics.
Vehicles	Transportation	Vehicle(s) capable of transporting personnel and equipment. Discipline specific equipment to accomplish the mission objectives, see <i>FEMA Mission Ready Package Equipment Cache List</i> for equipment details.	2 4WD pick-up trucks, with extended cab, or 1 4WD pickup and 1 other type vehicle with closed trailer preferred.
Equipment	Materials and supplies	Self-sustaining for 72 hours to include personal protective equipment, food, water, and fuel. Basic first aid for human and canine at BLS level. Basic communications equipment for communications with the command element. Discipline specific equipment to accomplish the mission objectives, see <i>FEMA Mission Ready Package Equipment Cache List</i> for equipment details.	

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**Appendix H: Mission Ready Package – Tunnel Rescue**

<b>RESOURCE:</b>	Tunnel Rescue Team		
<b>RESOURCE CATEGORY:</b>	Search and Rescue (ESF #9)	<b>KIND:</b>	Tunnel Rescue
<b>OVERALL FUNCTION:</b>	A team that allows US&R operations in subterranean areas with an emphasis on reconnaissance, communications, air monitoring, mapping, navigation and survivor extraction.	<b>COMPOSITION &amp; ORDERING SPECIFICATIONS:</b>	1 NIMS type 3 US&R task force 10 Support Specialists crossed trained in tunnel rescue and rebreather certified.  Re-supply and shelter for the team must be provided by the requesting agency. Law enforcement support will be provided by the local agency or ESF-13 response.

<b>CAPABILITIES:</b>			<b>NOTES:</b>
<b>COMPONENT:</b>	<b>METRIC:</b>	<b>DETAILS:</b>	
Personnel	Type III US&R Task Force	35 FEMA US&R personnel	
Personnel	Support Specialist	1 Additional FEMA US&R Structure Specialist	Crossed trained in tunnel rescue and rebreather certified
Personnel	Support Specialist	1 Additional FEMA US&R Communications Specialist	Crossed trained in tunnel rescue and rebreather certified
Personnel	Support Specialist	4 FEMA US&R Rebreather Logistics Specialists	Crossed trained in tunnel rescue, rebreather certified and CDL certified
Personnel	Support Specialist	4 Additional FEMA US&R Rescue Specialists	Crossed trained in tunnel rescue and rebreather certified and CDL certified
Vehicles	Transportation	Vehicles capable of transporting team and equipment. (Recommend Pick-up Trucks. 4X4, with extended cab, & 16 PAX vans)	
Equipment	Primary Cache	Type I Air Response Module (ARM)	FEMA US&R ARM, plus 2 pallets for rebreather equipment & supplies
Equipment	Materials and supplies	Self-sustaining for 72 hours to include personal protective equipment, food, water and fuel. Basic first aid resources at BLS level. Basic communications equipment for communications with command element.  Discipline specific equipment to accomplish the mission objectives, see <i>FEMA Mission Ready Package Equipment Cache List</i> for equipment details.	Some communications equipment and rebreather equipment not in standard US&R cache. Recommend an MRP-Comm if entering a tunnel from more than one location



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**Appendix I: Mission Ready Package – Water Rescue**

<b>RESOURCE:</b>	Water Rescue Team		
<b>RESOURCE CATEGORY:</b>	Search and Rescue (ESF #9)	<b>KIND:</b>	Water Rescue
<b>OVERALL FUNCTION:</b>	A team that allows US&R resources to establish or enhance US&R operations in a water environment.  1 MRP is capable of continuous 12-hour operations, for 24-hour operations, order two or more MRPs.	<b>COMPOSITION &amp; ORDERING SPECIFICATIONS:</b>	1 Water Rescue Manager 2 Water Rescue Squad Officers 4 Boat Operators 5 Water Rescue Specialist 1 Logistics Specialist 1 Medical Specialist 2 Support Specialist  Law enforcement support, re-supply and shelter for the team must be provided by the requesting agency.

<b>CAPABILITIES:</b>			<b>NOTES:</b>
<b>COMPONENT:</b>	<b>METRIC:</b>	<b>DETAILS:</b>	
Personnel	Water Rescue Manager	1 FEMA US&R Water Rescue Manager	Previous experience Must meet leadership and water rescue qualifications.
Personnel	Water Squad Officer	2 FEMA US&R Water Rescue Squad Officer	
Personnel	Boat Operators	4 FEMA US&R Boat Operators	Boat operators type selected should be based on anticipated mission assignment.
Personnel	Water Rescue Technicians	5 FEMA US&R Water Rescue Specialists	
Personnel	Logistics Specialist	1 FEMA US&R Logistics Specialists	Recommend Water Rescue Specialist qualification.
Personnel	Medical Specialist	1 FEMA US&R Medical Specialists	Recommend Water Rescue Specialist qualification.
Personnel	Support	2 FEMA US&R Personnel - TBD by filling TF deployment needs	Examples: Task Force Leader, Data collection*, COMMS. Recommend Water Rescue Specialist qualification as an option.
Vehicles	Transportation	Vehicle(s) capable of transporting personnel and equipment.	4WD pick-up trucks with extended cab preferred.
Vehicles	Transportation	4 Rescue Boats (minimum)	2 IRBs and 2 Jon Boats
Equipment	Materials and supplies	Self-sustaining for 72 hours to include personal protective equipment, food, water, and fuel. Basic first aid for human and canine at BLS level. Basic communications equipment for communications with the command element. Discipline specific equipment to accomplish the mission objectives, see <i>FEMA Mission Ready Package Equipment Cache List</i> for equipment details.	

**Note:** At least 14 of the 16 MRP-WR personnel shall be Water Rescue Specialist qualified. The two additional required Water Rescue Specialist positions can be filled by any combination of having the Logistics Specialist, Medical Specialists or the two additional Support being Water Rescue Specialist qualified.

\* Recommend one (1) Support Specialist or one (1) of the Water Rescue Specialist be qualified at a Technical Information Specialist or Plans Manager.