

FLORIDA FIRE CHIEFS' ASSOCIATION

Statewide Emergency Response Plan (SERP)



Typed Resource Guidance Document
Updated: January 20, 2014

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REVISION LOG

DATE	PAGE/SECTION	REVISION
July 11, 2013	New Document	Distributed for Review & Comment
January 18, 2014	Pages 90-93	Updated typing definitions for Bulk Foam

OVERVIEW

PURPOSE

This document will serve as the guidance document for the typing of all resources tracked and available for deployment, utilizing the Florida Fire Chiefs' Associations, Statewide Emergency Response Plan (SERP). Additional Resources, managed and deployed through other disciplines, may also be included to provide an improved awareness of all related resources, and to support any request for assistance from other disciplines.

All resources identified in this document will be typed in a manor consistent with the FEMA/NIMS national resource typing protocol.

DOCUMENT REVISIONS & ACCESS

The maintenance of this document will be the responsibility of the FFCA Emergency Response Committee Chair. The Chair will work with the Emergency Response Committee members and other disciplines, in gathering the initial data needed to document all existing typed resources, and approved changes.

The current version of this document will be available on the FFCA website, with an "Updated" Date clearly listed on the cover page.

This document can be accessed at: www.ffca.org

RESOURCE TYPING

TERMINOLOGY

Resources are personnel and major items of equipment, supplies, and facilities available or potentially available for assignment to incident operations and for which status is maintained. Resources are described by kind and type and may be used in operational support or supervisory capacities at an incident or at an EOC.

RESOURCE MANAGEMENT OVERVIEW (FEMA-NIC)

Emergency management and incident response activities require carefully managed resources (personnel, teams, facilities, equipment and/or supplies) to meet incident needs. Utilization of the standardized resource management concepts such as typing, inventorying, organizing and tracking will facilitate the dispatch, deployment and recovery of resources before, during and after an incident.

Resource management should be flexible and scalable in order to support any incident and be adaptable to changes. Efficient and effective deployment of resources requires that resource management concepts and principles be used in all phases of emergency management and incident response.

The resource management process can be separated into two parts: resource management as an element of preparedness and resource management during an incident. The preparedness activities (resource typing, credentialing and inventorying) are conducted on a continual basis to help ensure that resources are ready to be mobilized when called to an incident. Resource management during an incident is a finite process with a distinct beginning and ending specific to the needs of the particular incident.

RESOURCE TYPING (FEMA-NIC)

Resource Typing is categorizing, by capability, the resources requested, deployed and used in incidents. Measurable standards identifying resource capabilities and performance levels serve as the basis for categories. Resource users at all levels use these standards to identify and inventory resources. Resource kinds may be divided into subcategories to define more precisely the capabilities needed to meet specific requirements.

ELEMENTS USED IN TYPING RESOURCES

Category- this is the function for which a resource would be most useful. Table 2 lists examples of categories used in a national resource-typing protocol

- Transportation
- Communications
- Public Works & Engineering
- Firefighting
- Information & Planning
- Law Enforcement & Security
- Mass Care
- Resource Management
- Health & Medical
- Search & Rescue
- Hazardous Materials
- Food & Water
- Energy
- Public Information
- Animals & Agricultural Issues
- Volunteers & Donations

Kind- refers to broad classes that characterize like resources, such as teams, personnel, equipment, supplies, vehicles, and aircraft.

Components- are the elements that make up a resource. For example, an engine company may be listed as having the five components shown below:

- Personnel
- Hose 2 ½”
- Hose 1”
- Water Tank
- Pump

Measures (Metrics)- are standards that identify capability and/or capacity. The specific measures used will depend on the kind of resource being typed and the mission envisioned. Measures must be useful in describing a resource’s capability to support the mission. As an example, one measure for a disaster medical assistance team is the number of patients it can care for per day.

Type- refers to the level of resource capability. Assigning the Type 1 label to a resource implies that it has a greater level of capability than a Type 2 of the same resource. Typing provides managers with additional information to aid in the selection and best use of resources. In some cases, a resource may have fewer than or more than four types; in such cases, either additional types will be identified, or the type will be described as “not applicable.” The type assigned to a

resource or a component is based on a minimum level of capability described by the identified measure(s) for that resource.

Additional Information- The national resource-typing protocol will also provide the capability to use additional information that is pertinent to resource decision making. For example, if a particular set of resources can be released to support an incident only under particular authorities or laws, the protocol should alert responsible parties to such limitations.

NATIONAL AND STATE SPECIFIC RESOURCE TYPING

The National NIMS Resource Typing Criteria recognizes “Tier One” and “Tier Two” resource typing definitions:

- **Tier One:** Resources that are national in scope and consist of the current NIMS 120 resource typing definitions.
- **Tier Two:** Resources defined and inventoried by the states, tribal, and local jurisdictions that are not “Tier One” resources, but rather those that are specific and limited to intra-state mutual aid request.

Resources included in this document will be identified as either “Tier One” or “Tier Two” resources, and will be noted by including an entry of **Tier-I** or **Tier-II** in the resource definition. Some **Tier-II** resources may also meet or exceed **Tier-I** resource capabilities, which can be noted within the resource definition.

COMMAND / OVERHEAD RESOURCE DEFINITIONS

EOC FINANCE/ADMINISTRATION SECTION CHIEF/COORDINATOR

Resource:	ADMIN SECTION CHIEF				TIER-I
CATEGORY:	Resource Management			KIND:	Personnel
MINIMUM CAPABILITIES:		Type I	Type II	Type III	Type IV
COMPONENT	METRIC				
Personnel	Experience, Training and Comprehension	Supervisory role in Finance/Admin in 3 or more federally declared disaster situations in different State. Has organized and supervised subunits of Section in a federally and/or non-federally declared disaster. Has extensive experience and training in IC system.	Supervisory role in Finance/Admin in a federally declared disaster situation in home and/or other State. Has organized and supervised subunits of Section in a non-federally declared disaster in home State. Has experience and training in IC system.	Training and/or experience in Finance/Admin for non-federally declared disaster situations in home State. Has training in IC system.	
Equipment		Laptop with wireless Internet capabilities; Satellite/cell phone; Standardized forms commonly used in the execution of this function	Laptop with Internet capabilities; Satellite/cell phone; Standardized forms commonly used in the execution of this function.	Equipment provided by requesting State. Laptop, comm., and standardized forms commonly used in the execution of this function.	

<p>COMMENTS:</p>	<p>Individual at the EOC responsible for tracking incident costs and reimbursement accounting, and coordination/administering support for EOC personnel during disaster operations. This function is part of the standardized ICS structure per the National Incident Management System. If situation warrants, chief/coordinator oversees subunits of this function to include Compensation/Claims, Procurement, Cost, and Time. (See Figure 1.) When there is a specific need for financial reimbursement (individual and agency or department), and/or administrative services to support incident management activities, a Finance/Administration Section is established. Under the ICS, not all agencies will require such assistance. In large, complex scenarios involving significant funding from multiple sources, the Finance/Administration Section is an essential part of the ICS. In addition to monitoring multiple sources of funds, the Section Chief must track and report to the IC the financial “burn rate” as the incident progresses. This allows the IC to forecast the need for additional funds before operations are affected negatively. This is particularly important if significant operational assets are under contract from the private sector. The Section Chief may also need to monitor costs expenditures to ensure statutory rules that apply are met. Close coordination with the Planning Section and Logistics Section is also essential so that operational records can be reconciled with financial documents. Note that, in some cases, only one specific function may be required (e.g., cost analysis), which a technical specialist in the Planning Section could provide. The Finance/Administration Section Chief will determine, given current and anticipated future requirements, the need for establishing specific subordinate units. In some of the functional areas (e.g., procurement), an actual unit need not be established if it would consist of only one person. In such a case, a procurement technical specialist would be assigned in the Planning Section instead. Because of the specialized nature of finance functions, the Section Chief should come from the agency that has the greatest requirement for this support. The Section Chief may have a deputy.</p> <p>Source: National Incident Management System, March 2004</p>				
<p>EXAMPLE</p>					

INCIDENT MANAGEMENT TEAM (IMT)

Resource:		INCIDENT MANAGEMENT TEAM (IMT)			TIER-I
CATEGORY:	Resource Management			KIND:	Team
MINIMUM CAPABILITIES:		Type I	Type II	Type III	Type IV
COMPONENT	METRIC				
Personnel	Incident Commander	Yes	Yes	Yes	Yes
Personnel	Operations Section Chief	Yes	Yes	Yes	Yes
Personnel	Planning Section Chief	Yes	Yes		
Personnel	Logistics Section Chief	Yes	Yes	Yes	
Personnel	Finance/ Admin Section Chief	Yes	Yes	Yes	Yes
Personnel	Specialized Functions (i.e., HazMat, Insurance, etc.)	Yes	Optional	Optional	Optional

COMMENTS:	<p>A command team comprised of the Incident Commander, and appropriate command and general staff personnel assigned to an incident. (Source: FIRESCOPE)</p> <p>Components and Capabilities: Variations may also be based on level and type of disaster experience. (i.e., local event experience vs. national event experience).</p> <p>Incident Commander- responsibility is the overall management of the incident (to which they are assigned). On most incidents, the command activity is carried out by a single Incident Commander. The Incident Commander is selected by qualifications and experience. The Incident Commander may have a deputy, who may be from the same agency, or from an assisting agency. Deputies may also be used at section and branch levels of the ICS organization. Deputies must have the same qualifications as the person for whom they work, as they must be ready to take over that position at any time. Depending on the extent of the Incident Management team needed, this area of management may also have under its purview an Information Officer, Liaison Officer, Agency Representative(s), and Safety Officer.</p> <p>Operations Section Chief- A member of the General Staff, is responsible for the management of all operations directly applicable to the primary mission. The Operations Chief activates and supervises organizational elements in accordance with the Incident Action Plan (IAP) and directs its execution. The Operations Chef also directs the preparation of unit operational plans; requests or releases resources; makes expedient changes to the IAP as necessary; and reports such to the Incident Commander. Depending on the extent of the Incident Management team needed, this area of management may also have under its purview a Branch Director, Division/Group Supervisor, Strike Team/Task Force Leader, Single Resource Coordinator, and Staging Unit Manager.</p> <p>Panning Section Chief- Responsible for the collection, evaluation, dissemination, and use of information about the development of the incident and status of resources. Information is needed to: (1) understand the current situation, (2) predict probable course of incident events, and (3) prepare alternative strategies and control operations for the incident. This section serves as the Incident Commander’s “clearing house” for information. The Section Chief’s goal is to plan ahead of current events and to identify the need for resources before they are needed. Depending on the extent of the Incident Management team needed, this area of management may also have under its purview a Resources Unit Leader, Situation Unit Leader, Document Unit Leader, Demobilization Unit Leader, and Technical Specialists.</p> <p>Logistics Section Chief- Responsible for providing facilities, services, and support of the incident, and is accountable for all personnel working in the hazard zone of the incident. The Section Chief participates in development and implementation of the IAP and activates and supervises the Branches and Units within the Logistics Section. Depending on the extent of the Incident Management team needed, this area of management may also have under its purview a Service Branch Director, Support Branch Director, Facilities Unit Leader, and Ground Support Unit Leader.</p> <p>Finance/Administration Section Chief- Responsible for all financial, administrative, and cost analysis aspects of the</p>
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EXAMPLE					
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LOGISTICS SECTION CHIEF

Resource:		LOGISTICS SECTION CHIEF			TIER-I
Category:					Kind:
Minimum Capabilities:		Type I	Type II	Type III	Type IV
Component	Metric				
Comments:					
Example					

MOBILE COMMUNICATIONS CENTER

Resource:		Mobile Communications Center				Tier-I
Category:	Communications (ESF-2)			Kind:	Vehicle	
Minimum Capabilities:		Type I	Type II	Type III	Type IV	
Component	Metric					
Vehicle	Chassis	48'-53' custom trailer, bus chassis, conventional cab/van chassis, or diesel motorhome chassis with or without slide-out room	35'-40' motorhome chassis with or without slide-out room	25'-35' Gas or diesel motorhome chassis, or custom trailer (trailer does require additional tow vehicle)	Converted SUV or Travel Trailer, or 25'-40' custom built trailer (trailer does require additional tow vehicle)	
Equipment	Interior	6-10 workstations, with private meeting area for Command personnel	4-6 workstations, with private meeting area for Command personnel	2-4 workstations	1-2 workstations	
Equipment	Radio Frequency Transceivers	RF Communications with adjoining agencies, State agencies through mutual aid transceiver and any other frequencies	RF Communications with adjoining agencies, State agencies through mutual aid transceiver and any other frequencies	RF Communications with adjoining agencies, State agencies through mutual aid	RF Communications with adjoining agencies, State agencies	
Equipment	Internet Access Speed High-Speed Fax Speed	High bandwidth capabilities via satellite such as INMARSAT or V-Sat	High bandwidth capabilities via satellite such as INMARSAT or V-Sat; Faxing through cell or satellite system (4,800 bps)	Cellular system; Faxing through cell or satellite system (4,800 bps)	Via cellular system (portable)	
Equipment	Type of system. See Note-1	PBX office-style telephone system & Cellular PBX System (ML500 or similar)	PBX office-style telephone system & Cellular PBX System (ML500 or similar)	PBX office-style telephone system	Through individual cell phones only	

Equipment	On-Scene Video Monitoring	Through camera/video system	Through camera/video system		
Equipment	Computer Assisted Dispatch	Yes	Yes	Yes	
Equipment	Computer/Server Capabilities	Same as Type III	Same as Type III	Hardwired and wireless LAN. Workstations should have Ethernet connection and 120 vac protected. All computer based software packages pre-installed	Basic computer systems only (power source must be provided from outside vehicle)
Personnel	Function	Same as Type II except: Driver/Operator with CDL certification	Same as Type III plus: IT Support Communications Support		

Comments:	<p>Radio Frequency Transceivers- Every agency has their assigned RF equipment in use. These frequencies should be distributed throughout the unit along with the most used adjoining agency transceivers. A central Communications rack should be built near the Communications Officer position. This rack should contain less used adjoining agency radios and programmable radios, giving the unit the ability to communicate with as many agencies as possible. Type I & II units should have an Interoperability Module installed in addition to the central rack. This module will allow for different frequency transceivers to communicate commonly.</p> <p>Satellite Systems- NMARSAT system can be utilized for telecommunications and DOD secure data transfer. For a MCC the unit should be roof mounted and auto-tracking. Useful for video-teleconferencing, high quality voice transmission, faxing, and dial-up Internet access. V-Sat systems use roof-mounted auto-deploy, auto-tracking dishes, and allow large downloads of bandwidth. This bandwidth can be managed to provide Internet access, voice communications, and video transfer for sending live on-scene video back to an EOC or other location. The FCC continues to approve new technology for this system. Iridium, Global Star, or other Sat-phones are ideal for in-the-field communications.</p> <p>Microwave Units- Some States and jurisdictions have microwave-capable facilities and equipment installed for quality video transfer.</p> <p>Server Computers- A rack-mounted Server should be installed in Type I, II, and III units. This Server can be designed to mimic many of the operations and software in use at the EOC. A hard-wired LAN and a wireless LAN should also be installed to enable all workstations access to the Server.</p> <p>Telephone System- An office-style PBX system should be installed in Type I, II, and III units. This system can be integrated with landlines, cell lines, and satellite telephones. Each workstation should have a telephone unit as well as units on-hand for exterior operations.</p> <p>Cellular PBX System (ML500 or similar)- This unit is used for multiple cell lines (suggest 5). It is tied into the main PBX for distribution throughout unit. The unit has auto-detect sensors that check for landline first and then switch to cell if landline is not available.</p> <p>Camera and Video Systems- The unit should have an installed mast (no taller than 30' without exterior supports) and camera system with monitors in both the conference and communications area. The video system controls the multiple inputs and distributes them to the monitors. The system should support the mast and camera, display Server Computer programs, helicopter downlink, DSS, and have the capability to receive signals from additional units by plugging into exterior console.</p> <p>Video Teleconferencing N/A</p> <p>Note 1: Voice Communications through Landlines, Cell Lines, and Satellite. Note 2: All types should be capable of:</p>
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Example					
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MOBILE COMMUNICATIONS UNIT

Resource:		MOBILE COMMUNICATIONS UNIT			TIER-I
CATEGORY:		Communications		KIND:	Vehicle
MINIMUM CAPABILITIES:		Type I	Type II	Type III	Type IV
COMPONENT	METRIC				
Equipment	Console/ Workstation	2	2		
Equipment	Frequency Cap.	Multi Range	Multi Range		
Equipment	Power Source	Internal	Internal		
Equipment	Telephone System	6 Trunk 16 Extensions			
Personnel	Personnel	2	2		
COMMENTS:	Multi Range: 150-174 MHz, 450-470 MHz, 800 MHz (Simplex or Repeated), Single Range: 150-174 MHz only				
EXAMPLE					

MOBILE FIELD KITCHEN

Resource:		MOBILE FIELD KITCHEN			TIER-I
CATEGORY:	Food & Water (ESF-11)		KIND:		Equipment
MINIMUM CAPABILITIES:		Type I	Type II	Type III	Type IV
COMPONENT	METRIC				
Personnel	Number of people unit is capable of feeding	Feeds up to 1,000 twice daily	Feeds up to 650 twice daily	Feeds up to 300 twice daily	Feeds up to 100 twice daily
Equipment	1 Mobile Kitchen Trailer (MKT-1)	45-53' trailer	36-42' trailer	20-30' trailer	16-18' trailer (concession type)
Vehicle	See Note 1	Yes	Yes	Yes	Yes
Personnel	Number of Kitchen Support Personnel	4, including kitchen supervisor	3, including kitchen supervisor	2	2

<p>COMMENTS:</p>	<p>The Mobile Feeding Kitchen (Mobile Field Kitchen or Rapid Deployment Kitchen) is a containerized kitchen that can be positioned forward in fulfillment of ESF #11. The units are used to support feeding operations at emergency incidents. It should be capable of providing hot meals twice daily to 650 to 1,000 individuals, either those providing the emergency response or those displaced by the disaster.</p> <p>Note 1: 2 1/2-Ton or 5-Ton Truck and Driver for Transport (1 Truck + Driver).</p> <p>The system should be equipped to provide storage, refrigeration, sanitation, and other essentials for all types of meal preparation. The units may be fitted with convection and conventional ovens, steam and tilt skillets, and modern burner units.</p> <p>The kitchens may come with a support trailer that carries tables, chairs, additional implements, tents or dining hall facilities as requested. The kitchen should provide a minimum of 360 square feet of food preparation and serving areas protected from natural elements of the environment.</p> <p>All food preparation equipment, the electrical supply, the environmental control system, and all related controls should be included. Setup and tear down should be accomplished in approximately 45 minutes.</p>				
<p>EXAMPLE</p>					

EOC OPERATIONS SECTION CHIEF

Resource:		OPERATIONS SECTION CHIEF			TIER-I
CATEGORY:	Resource Management			KIND:	Personnel
MINIMUM CAPABILITIES:		Type I	Type II	Type III	Type IV
COMPONENT	METRIC				
Personnel	Experience, Training, and Comprehension	Supervisory role in Operations Section in 3 or more federally declared disaster situations in different States., Has organized and supervised subunits of Section in a federally and/or non-federally declared disaster., Has extensive experience and training in IC system.	Supervisory role in Operations Section in a federally declared disaster situation in home and/or other State. Has organized and supervised subunits of Section in a non-federally declared disaster in home State. Has experience and training in IC system.	Training and/or experience in Operations for non-federally declared disaster situations in home State. Has training in IC system.	
Equipment		Same as Type II except: Laptop with wireless Internet capabilities	Same as Type III except: Laptop with Internet capabilities, Satellite/cell phone	Equipment provided by requesting State: Laptop, Communications, Standardized forms commonly used in the execution of this function	

<p>COMMENTS:</p>	<p>COMMENTS: Individual at the EOC responsible for managing tactical operations at the incident site directed toward reducing the immediate hazard, saving lives and property, establishing situation control, and restoring normal conditions; responsible for the delivery and coordination of disaster assistance programs and services, including emergency assistance, human services assistance, and infrastructure assistance; and oversight of subunits of Operations Section, including Branches, Division/Groups and Resources as warranted. The Operations Section Chief directly manages all incident tactical activities and implements the IAP. The Operations Section Chief may have one or more deputies (preferably from other agencies in multijurisdictional incidents). Deputies will be qualified to a similar level as the Operations Section Chief. An Operations Section Chief should be designated fir each operational</p> <p>Source: National Incident Management System, March 2004</p>				
<p>EXAMPLE</p>					

PLANNING SECTION CHIEF

Resource:		PLANNING SECTION CHIEF			TIER-I
CATEGORY:	Resource Management			KIND:	Personnel
MINIMUM CAPABILITIES:		Type I	Type II	Type III	Type IV
COMPONENT	METRIC				
Personnel	Experience, Training, and Comprehension	Supervisory role in Planning Section in 3 or more federally declared disaster situations in different States., Has organized and supervised subunits of Section in a federally and/or non-federally declared disaster. Has extensive experience and training in IC system	Supervisory role in Planning Section in a federally declared disaster situation in home and/or other State. Has organized and supervised subunits of Section in a non-federally declared disaster in home State. Has experience and training in IC system	Training and/or experience in Planning for non-federally declared disaster situations in home State. Has training in IC system	

Equipment		Laptop with wireless Internet capabilities Satellite/cell phone Standardized forms commonly	Laptop with Internet capabilities Satellite/cell phone Standardized forms commonly used in the execution of this function	Equipment provided by requesting State: Laptop, Communications, Standardized forms commonly used in the execution of this function	
COMMENTS:	<p>Individual at the EOC who oversees all incident-related data gathering and analysis regarding incident operations and assigned resources, develops alternatives for tactical operations, conducts planning meetings, and prepares the IAP for each operational period. The Planning Section is responsible for collecting, evaluating, and disseminating tactical information pertaining to the incident. The Planning Section prepares and documents IAPs and incident maps and gathers and disseminates information and intelligence critical to the incident. The Planning Section has four primary units (Resources, Situation, Demobilization, and Documentation) and may include a number of technical specialists to assist in evaluating the situation and forecasting requirements for additional personnel and equipment.</p> <p><i>Source: National Incident Management System, March 2004</i></p>				
EXAMPLE					

SERP EMS FIELD LIAISON, FIRE

Resource:		SERP EMS FIELD LIAISON, FIRE			TIER- II
CATEGORY:	Resource Management			KIND:	
MINIMUM CAPABILITIES:		Type I	Type II	Type III	Type IV
COMPONENT	METRIC				
Training					
Training	Completed NIMS IS Courses	100, 200, 300, 400, 402, 800			
COMMENTS:					
EXAMPLE					

SERP EMS FIELD LIAISON, NON-FIRE

Resource:	SERP EMS FIELD LIAISON, NON-FIRE				TIER- II
CATEGORY:	Resource Management			KIND:	
MINIMUM CAPABILITIES:		Type I	Type II	Type III	Type IV
COMPONENT	METRIC				
COMMENTS:					
EXAMPLE					

SERP FIELD LIAISON

Resource:		SERP FIELD LIAISON			TIER- II
CATEGORY:	Resource Management			KIND:	
MINIMUM CAPABILITIES:		Type I	Type II	Type III	Type IV
COMPONENT	METRIC				
COMMENTS:					
EXAMPLE					

SERP SEOC LOGISTICS SPECIALIST

Resource:		SERP SEOC LOGISTICS SPECIALIST			TIER- II
CATEGORY:	Resource Management			KIND:	
MINIMUM CAPABILITIES:		Type I	Type II	Type III	Type IV
COMPONENT	METRIC				
Training		Attended SEOC Training session			
Training	Completed NIMS IS Courses	Same as Type II	100, 200, 300, 400, 402, 800		
COMMENTS:					
EXAMPLE					

SERP SEOC PLANNING SPECIALIST

Resource:		SERP SEOC PLANNING SPECIALIST			TIER- II
CATEGORY:	Resource Management			KIND:	
MINIMUM CAPABILITIES:		Type I	Type II	Type III	Type IV
COMPONENT	METRIC				
Training		Attended SEOC Training session			
Training	Completed NIMS IS Courses	Same as Type II	100, 200, 300, 400, 402, 800		
COMMENTS:					
EXAMPLE					

SERP SEOC US&R SPECIALIST

Resource:		SERP SEOC US&R SPECIALIST			TIER- II
CATEGORY:	Resource Management			KIND:	
MINIMUM CAPABILITIES:		Type I	Type II	Type III	Type IV
COMPONENT	METRIC				
Training		Attended SEOC Training session			
Training	Completed NIMS IS Courses	Same as Type II	100, 200, 300, 400, 402, 800		
COMMENTS:					
EXAMPLE					

COMMUNICATIONS RESOURCE DEFINITIONS

RADIO TECHNICIAN

Resource:	RADIO TECHNICIAN				TIER- II
CATEGORY:	Communications Resources (ESF-2)			KIND:	
MINIMUM CAPABILITIES:		Type I	Type II	Type III	Type IV
COMPONENT	METRIC				
COMMENTS:					
EXAMPLE					

TELECOMMUNICATOR

Resource:		TELECOMMUNICATOR			TIER- II
CATEGORY:	Communications Resources (ESF-2)			KIND:	
MINIMUM CAPABILITIES:		Type I	Type II	Type III	Type IV
COMPONENT	METRIC				
COMMENTS:					
EXAMPLE					

TELECOMMUNICATOR EMERGENCY RESPONSE TASKFORCE (TERT)

RESOURCE:		TELECOMMUNICATOR EMERGENCY RESPONSE TASKFORCE (TERT)				TIER-I		
CATEGORY:		Communications Resources (ESF-2)				KIND:		Taskforce
MINIMUM CAPABILITIES:		Type I	Type II	Type III	Type IV	Other		
COMPONENT	METRIC							
Personnel	Team Leader	1	1	1	1	1		
Personnel	Supervisor	6	6	4	2	0		
Personnel	Telecommunicator	42	36	28	14	7		
Personnel	EMD Certified (see note 1)	Same as Type II	25% of Telecommunicators	See Note 2	See Note 2	See Note 2		
Taskforce	Duration of Operations	Same as Type II	Long; Greater than 1 week	Same as Type IV	Same as Type IV	Short; up to 1 week		
Equipment	Laptop Computer w/ wireless internet connection	Same as Type II	1 Laptop	None Specified	None Specified	None Specified		

<p>COMMENTS:</p>	<p>Note 1: During out-of-state Emergency Management Assistance Compact (EMAC) requests at the Type I and Type II levels, the request will automatically include a 25% contingent of EMD certified Telecommunicators. TERT State Coordinators are responsible for identifying such members. A multi-state response may be requires to fill this requirement.</p> <p>Note 2: EMD certification is not a requirement for TERT team membership. However, if a requesting agency specifies that they wish to have EMD qualified TERT members respond, the TERT State Coordinator should make every effort to fulfill the request by identifying EMD qualified team members.</p> <p>Note 3: Requests for special certifications or qualifications, such as EMD, Incident Dispatchers, law enforcement dispatchers, fire service/EMS dispatchers, call takers, familiarity with a specific CAD system, etc., can be specified during the request process, however increasing the specific requirements may slow the deployment process and/or may not be able to be accommodated.</p> <p>Note 4: The default configuration calls for public safety telecommunicators. Requests for public safety call takers and/or public safety radio dispatchers must be specified when making the request.</p>					
<p>EXAMPLE</p>						

EMERGENCY MEDICAL SERVICES RESOURCE DEFINITIONS

AIR AMBULANCE (FIXED-WING)

Resource:	AIR AMBULANCE (FIXED-WING)				TIER-I	TIER-I
CATEGORY:	Emergency Medical Services (ESF-8)				KIND:	Aircraft/Team
MINIMUM CAPABILITIES:		Type I	Type II	Type III	Type IV	Other
COMPONENT	METRIC					
Overall Function	Provides emergency medical care, and transportation services via fixed wing aircraft. May also be utilized to import personnel and or equipment/ supplies into the area of need.	Capable of providing clinical and transportation services to a range of patient conditions, includes aircraft, staff, equipment, and supplies.	Capable of providing clinical and transportation services to a range of patient conditions, includes aircraft, staff, equipment, and supplies.	Capable of providing clinical and transportation services to a range of patient conditions, includes aircraft, staff, equipment, and supplies.	Capable of providing clinical and transportation services in the range of basic life support patient conditions, includes aircraft, staff, equipment, and supplies.	Capable of transporting a patient who needs unique, specialty care support enroute, e.g. neonatal intensive care, heart-lung bypass support, critical/intensive care (usually one patient is transported but can be more depending upon support capabilities and lift of aircraft)
Team	Team experienced and activity involved in the care and transportation of air medical patients.	Advanced Life Support	Advanced Life Support	Advanced Life Support	Basic Life Support	Specialty transport trained and qualified to care for the specific patient and associated supporting equipment
Request for Mutual Aid should specify specialty care services as needed.						
Personnel	Minimum Staff	3 (pilot and 2 paramedics or 1 paramedic and 1 nurse or physician)	3 (pilot and 2 paramedics or 1 paramedic and 1 nurse or physician)	3 (pilot and 2 paramedics or 1 paramedic and 1 nurse or physician)	2 (pilot and 1 paramedic)	As required for the mission and to meet the standards of care for the specific patient

Capability	Patient Care and Transport	2 or more litter patients	1 litter patient	2 or more litter patients	1 litter patient	Inverter for specialized medical equipment (such as intra-aortic balloon pump or neonatal isolette)
Aircraft	Fixed-wing capabilities	Day and night operations plus IFR	Day and night operations plus IFR	Day and night operations VFR only	Day and night operations VFR only	As required by mission
Equipment and Supplies	Equipment and supplies needed to meet mission objectives	Range of equipment and supplies commensurate with the mission assignment PPE consistent with OSHA 1910.134 and 1910.1030 requirements	Range of equipment and supplies commensurate with the mission assignment PPE consistent with OSHA 1910.134 and 1910.1030 requirements	Range of equipment and supplies commensurate with the mission assignment PPE consistent with OSHA 1910.134 and 1910.1030 requirements	Range of equipment and supplies commensurate with the mission assignment PPE consistent with OSHA 1910.134 and 1910.1030 requirements	Range of equipment and supplies commensurate with the mission assignment PPE consistent with OSHA 1910.134 and 1910.1030 requirements

<p>COMMENTS:</p>	<p>Fixed-Wing service in a disaster is primarily for moving injured or sick people located in the disaster area to medical facilities located outside the disaster area. Fixed-Wing service providers may also be utilized to import personnel and or equipment/supplies into the area of need. Fixed-Wing services require the use of an airport of sufficient length and access to a sufficient quantity of proper fuel type for the type of aircraft requested. Backup supplies and some equipment may be required depending upon number of patients and type of event.</p> <ol style="list-style-type: none"> 1. Security, transportation (including patient care crew to and from LZ for the sending and receiving medical facilities), food, and/or rest facilities will be provided by the requesting jurisdiction unless other arrangements have been made 2. In complex air operations with multiple aircraft, additional staff are recommended to ensure the ongoing availability of resources required to safely and effectively support the mission assignment. 3. Ground safety assurance and traffic control are important support requirements for injury and crash prevention. This support may be significant depending upon the size and location of the incident. 4. Each team/unit can work a maximum of 12-hour shifts, depending upon individual policies and procedures. 5. The estimation of the quantity of air ambulance resources needed is based on many factors such as the nature of the mission, logistics, intensity of demand, duration of service activity, and allowance for rest periods. 6. Aircraft maintenance requirements may occur during deployment. Aviation maintenance must be planned. Hangar facilities should be planned for all extended operations. 7. Aircraft communication equipment may be programmable for interoperability but this capability must be verified. Plan for augmenting existing communication equipment to allow Fixed-Wing aircraft to communicate with air operations coordination center. Coordination with ground ambulance service required. 8. A minimum of Td toxoid or Tdap (receipt of primary series and booster within the past 10 years) and a complete Hepatitis B Vaccination Series OR a waiver of liability. Also refer to immunization recommendations for emergency responders by Centers for Disease Control for additional guidance for specific responses. 					
<p>EXAMPLE</p>						

AIR AMBULANCE (ROTARY-WING)

Resource:		AIR AMBULANCE (ROTARY-WING)				TIER-I
CATEGORY:		Emergency Medical Services (ESF-8)			KIND:	Aircraft/Team
MINIMUM CAPABILITIES:		Type I	Type II	Type III	Type IV	Other
COMPONENT	METRIC					
Overall Function	Provides emergency medical care, evacuation, and transportation services via rotary wing aircraft. May also be utilized to import personnel and or equipment/ supplies into the area of need.	Capable of providing clinical and transportation services to a range of patient conditions, includes aircraft, staff, equipment, and supplies.	Capable of providing clinical and transportation services to a range of patient conditions, includes aircraft, staff, equipment, and supplies.	Capable of providing clinical and transportation services to a range of patient conditions, includes aircraft, staff, equipment, and supplies.	Capable of providing clinical and transportation services to a range of patient conditions, includes aircraft, staff, equipment, and supplies.	Capable of transporting a patient who needs unique, specialty care support enroute, e.g. neonatal intensive care, heart-lung bypass support, critical/intensive care (usually one patient is transported but can be more depending upon support capabilities and lift of aircraft)
Team Request for Mutual Aid should specify care specialty services as needed.	Team experienced and actively involved in the care and transportation of air medical patients.	Advanced Life Support	Advanced Life Support	Advanced Life Support	Advanced Life Support	Specialty transport trained and qualified to care for the specific patient and associated supporting equipment

Personnel	Minimum staff	3 (pilot and 2 paramedics or 1 paramedic and 1 nurse or physician)	3 (pilot and 2 paramedics or 1 paramedic and 1 nurse or physician)	3 (pilot and 2 paramedics or 1 paramedic and 1 nurse or physician)	2 (pilot and 1 paramedic)	Appropriate level and number of staff/ specialists required for the mission and to meet the standards of care for the specific patient
Capability	Patient Care and Transport	2 or more litter patients	2 or more litter patients	1 litter patient	1 litter patient	Unique to the patient(s) being transported
Aircraft	Rotary-wing with these capabilities	Day and night operations IFR and Full SAR including hoist capabilities NOTE: NVG capability must be requested specifically	Day and night operations Plus IFR NOTE: NVG capability must be requested specifically	Day and night operations VFR only NOTE: NVG capability must be requested specifically	Day and night operations VFR only NOTE: NVG capability must be requested specifically	Tailored to fit the mission
Equipment and Supplies	Equipment needed to meet mission objectives	Range of equipment and supplies commensurate with the mission assignment PPE consistent with OSHA 1910.134 and 1910.1030 requirements	Range of equipment and supplies commensurate with the mission assignment PPE consistent with OSHA 1910.134 and 1910.1030 requirements	Range of equipment and supplies commensurate with the mission assignment PPE consistent with OSHA 1910.134 and 1910.1030 requirements		

<p>COMMENTS:</p>	<ol style="list-style-type: none"> 1. Security, transportation (including patient care crew to and from LZ of the sending and receiving medical facilities), requesting jurisdiction unless other arrangements have been made 2. Additional staff, e.g., administrative, logistics, maintenance, is recommended to ensure the ongoing availability of resources required to safely and effectively support the mission assignment. 3. Ground safety assurance and traffic control are important support requirements for injury and crash prevention. This support may be significant depending upon the size and location of the incident. 4. Each team/unit can work a maximum of 12-hour shifts, depending upon individual policies and procedures. 5. The estimation of the quantity of air ambulance resources needed is based on many factors such as the nature of the mission, logistics, intensity of demand, duration of service activity, and allowance for rest periods. 6. Aircraft maintenance requirements may occur during deployment. Aviation maintenance must be planned. Hangar facilities should be planned for all extended operations. Fuel tankers or other supply points must be identified. Backup supplies and some equipment may be required depending upon number of patients and type of event. 7. Aircraft communication equipment may be programmable for interoperability but this capability must be verified. Provide communication frequencies of ground incident command and air operations coordination center. Plan for augmenting existing communication equipment. 8. Landing zones (space, clearance, and weight restrictions) must be considered. The typical civilian air ambulance requires an LZ of 150' x 150'. 9. A minimum of Td toxoid or Tdap (receipt of primary series and booster within the past 10 years) and a complete Hepatitis B Vaccination Series OR a waiver of liability. Also refer to immunization recommendations for emergency responders by Centers for Disease Control for additional guidance for specific responses.
<p>EXAMPLE</p>	Empty cells for example content

AMBULANCE (GROUND)

Resource:		AMBULANCE (GROUND)				TIER-I
CATEGORY:		Emergency Medical Services (ESF-8)		KIND:		Vehicle/Team
MINIMUM CAPABILITIES:		Type I	Type II	Type III	Type IV	
COMPONENT	METRIC					
Overall Function	Provides out-of-hospital emergency medical care, evacuation, and transportation services via licensed EMS service	Capable of providing clinical and transportation services in hazardous material environments to a range of patient conditions, includes vehicle, staff, equipment, and supplies.	Capable of providing clinical and transportation services to a range of patient conditions, includes vehicle, staff, equipment, and supplies.	Capable of providing clinical and transportation services in hazardous material environments to a range of patient conditions, includes vehicle, staff, equipment, and supplies.	Capable of providing clinical and transportation services to a range of patient conditions, includes vehicle, staff, equipment, and supplies.	
Team Request for Mutual Aid should specify specialty services as needed.	Team experienced and actively involved in the care and transportation of EMS patients. Specialty care provided based on assessment of patient needs by the requesting state	Advanced Life Support	Advanced Life Support	Basic Life Support	Basic Life Support	

<p>Personnel</p>	<p>Minimum staff See Notes 3, 4.</p> <p>One of the ambulance staff may also meet the requirements as a qualified EVO but the highest level of credentialed caregiver MUST be physically located in the patient compartment</p>	<p>1 ALS practitioner and 1 EMT</p> <p>Meets or exceeds standards as addressed by EPA, OSHA and NFPA 471, 472, 473 and 29 CFR 1910, 120 ETA 3-11 to work in HazMat Level B and specific threat conditions All immunized in accordance with CDC core adult immunizations and specific threat as commensurate with the mission assignment.</p>	<p>1 ALS practitioner and 1 EMT</p>	<p>2(1EMT and1EMR)</p> <p>Meets or exceeds standards as addressed by EPA, OSHA and NFPA 471, 472, 473 and 29 CFR 1910, 120 ETA 3-11 to work in HazMat Level B and specific threat conditions All immunized in accordance with CDC core adult immunizations and specific threat as commensurate with the mission assignment.</p>	<p>2(1EMT and1EMR)</p>
<p>Capability</p>	<p>Patient Care and Transport</p>	<p>2-litter patients</p>	<p>2-litter patients</p>	<p>2-litter patients</p>	<p>2-litter patients</p>
<p>Equipment & Supplies</p>	<p>Equipment needed to meet mission objectives</p>	<p>Range of equipment and supplies commensurate with the mission assignment including personnel protective equipment appropriate to the hazardous material threat. Meets or exceeds standards as addressed by EPA, OSHA and NFPA 471, 472, 473 and 29 CFR 1910, 120 ETA 3-11 to work in HazMat Level B and specific threat conditions</p>	<p>Range of equipment and supplies commensurate with the mission assignment PPE consistent with OSHA 1910.134 and 1910.1030 requirements</p>	<p>Range of equipment and supplies commensurate with the mission assignment including personnel protective equipment appropriate to the hazardous material threat. Meets or exceeds standards as addressed by EPA, OSHA and NFPA 471, 472, 473 and 29 CFR 1910, 120 ETA 3-11 to work in HazMat Level B and specific threat conditions</p>	<p>Range of equipment and supplies commensurate with the mission assignment PPE consistent with OSHA 1910.134 and 1910.1030 requirements</p>

COMMENTS:	<p>Emergency medical services team with equipment, supplies, and vehicle for patient transport (Type I-IV) and out-of-hospital emergency medical care.</p> <ol style="list-style-type: none"> 1. Security, housing, and food will be provided by the requesting jurisdiction unless other arrangements have been made 2. Recommend additional staff to ensure the ongoing availability of resources required to safely and effectively support the mission assignment. 3. Each team unit can work 12-hour shifts. If the ambulance is to be operational 24/7 for >5 days, a minimum of 6 persons will be required for staffing to meet 2 personnel minimum and to provide for crew rest. Backup supply and some equipment required according to number of patients and type of event. 4. The estimation of the quantity of ground ambulance resources needed is based on many factors such as the nature of the mission, logistics, intensity of demand, duration of service activity, and allowance for rest periods. 5. Ambulance communication equipment may be programmable for interoperability but this capability must be verified. Plan for augmenting existing communication equipment. 6. Any person driving must be qualified to operate an emergency vehicle. 7. Environmental considerations related to temperature control in patient care compartment and pharmaceutical storage may be necessary for locations with excessive ranges in temperature. 8. Security of vehicle support required for periods of standby without crew in attendance. Fuel supply and maintenance support must be available. 9. Decontamination supplies and support required for responses to incidents with potential threat to responding services or transport of infectious patients. 10. A minimum of Td toxoid or Tdap (receipt of primary series and booster within the past 10 years) and a complete Hepatitis B Vaccination Series OR a waiver of liability. Also refer to immunization recommendations for emergency responders by Centers for Disease Control for additional guidance for specific responses. 			
EXAMPLE				

AMBULANCE STRIKE TEAM

Resource:		AMBULANCE STRIKE TEAM			TIER-I
CATEGORY:		Emergency Medical Services (ESF-8)		KIND:	Vehicles/Team
MINIMUM CAPABILITIES:		Type I	Type II	Type III	Type IV
COMPONENT	METRIC				
Overall Function	An operational grouping of 5 ambulances of the same type (ALS or BLS) with common communications and a leader, in a separate command vehicle, capable of out-of-hospital emergency medical care, evacuation, and transportation services	Capable of providing clinical and transportation services to a range of patient conditions, includes vehicles, staff, equipment, and supplies.	Capable of providing clinical and transportation services to a range of patient conditions, includes vehicle, staff, equipment, and supplies.	Capable of providing clinical and transportation services to a range of patient conditions, includes vehicles, staff, equipment, and supplies.	Capable of providing clinical and transportation services to a range of patient conditions, includes vehicles, staff, equipment, and supplies.
Team	Team experienced and actively involved in the care and transportation of EMS patients.	Advanced Life Support	Advanced Life Support	Basic Life Support	Basic Life Support

Personnel	Minimum staff One of the ambulance staff may also meet the requirements as a qualified EVO but the highest level of credentialed caregiver MUST be physically located in the patient compartment	2 (minimum of 1 paramedic and 1 EMT) per ambulance/per shift 1 Strike Team Leader per team (5 ambulances), in a separate command vehicle.	2 (minimum of 1 paramedic and 1 EMT) per ambulance/per shift 1 Strike Team Leader per team (5 ambulances), in a separate command vehicle.	2 (1EMTand1EMR) per ambulance/per shift 1 Strike Team Leader per team (5 ambulances) in a separate command vehicle.	2 (1EMTand1EMR) per ambulance/per shift 1 Strike Team Leader per team (5 ambulances) in a separate command vehicle.
Capability		5 Type I Ambulances; Capable of transporting minimum of 10 litter patients total (2 per ambulance)	5 Type II Ambulances; Minimum capability of 10 litter patients	5 Type III Ambulances; Minimum capability of 10 litter patients	5 Type IV Ambulances; Minimum capability of 10 litter patients
Equipment and Supplies	Equipment needed to meet mission objectives	Range of equipment and supplies commensurate with the mission assignment including personnel protective equipment appropriate to the hazardous material threat. Meets or exceeds standards as addressed by EPA, OSHA and NFPA 471, 472, 473 and 29 CFR 1910, 120 ETA 3-11 to work in HazMat Level B and specific threat conditions	Range of equipment and supplies commensurate with the mission assignment PPE consistent with OSHA 1910.134 and 1910.1030 requirements	Range of equipment and supplies commensurate with the mission assignment including personnel protective equipment appropriate to the hazardous material threat. Meets or exceeds standards as addressed by EPA, OSHA and NFPA 471, 472, 473 and 29 CFR 1910, 120 ETA 3-11 to work in HazMat Level B and specific threat conditions	Range of equipment and supplies commensurate with the mission assignment PPE consistent with OSHA 1910.134 and 1910.1030 requirements

<p>COMMENTS:</p>	<p>An Ambulance Strike Team is a group of five ambulances of the same type with common communications and a leader, in a separate command vehicle. It provides an operational grouping of ambulances complete with supervisory element for organization command and control. The strike teams may be all ALS or all BLS.</p> <ol style="list-style-type: none"> 1. Security, housing, and food will be provided by the requesting jurisdiction unless other arrangements have been made 2. Support elements needed include fuel, security, resupply of medical supplies, and support for a minimum of 11 personnel (e.g., if 2 crew per ambulance and only 1 personnel for lead responsibilities) or 17 (e.g. if 3 crew per ambulance and 2 personnel for lead responsibilities for 24 hour shift). If assigned for > 5 days, additional staff will be needed to provide for crew rest. See ALS and BLS Air or Ground Ambulance resources for staffing of individual ambulances. Temperature control support may be required for medical supplies in some environments. Vehicle maintenance support required. 3. Additional staff, e.g., administrative, logistics, maintenance, may be needed to ensure the ongoing availability of resources required to safely and effectively support the mission assignment. 4. Can be deployed to cover 12-hour periods or 24-hour ops depending on number of ambulances needed at one time. Should be self-sufficient for 72 hours. 5. The estimation of the quantity of ground ambulance resources needed is based on many factors such as the nature of the mission, logistics, intensity of demand, duration of service activity, and allowance for rest periods. 6. Any person driving must be qualified to operate an emergency vehicle. 7. Equipment and supplies to address out-of-hospital patient needs as defined by the deploying State agency that provides regulation. 8. Supervisor/leader must meet or exceed criteria for Ambulance Strike Team Leader. Communications capabilities must support communications, both enroute and at scene, with all other units under the leader's supervision. Mobility and coordination of tactical support of the Ambulance Task Force necessitates a separate command vehicle for the leader. 9. A minimum of Td toxoid or Tdap (receipt of primary series and booster within the past 10 years) and a complete Hepatitis B Vaccination Series OR a waiver of liability. Also refer to immunization recommendations for emergency responders by Centers for Disease Control for additional guidance for specific responses. 				
<p>EXAMPLE</p>					

AMBULANCE STRIKE TEAM LEADER

Resource:	AMBULANCE STRIKE TEAM LEADER				TIER-II
CATEGORY:	Emergency Medical Services (ESF-8)			KIND:	
MINIMUM CAPABILITIES:		Type I	Type II	Type III	Type IV
COMPONENT	METRIC				
COMMENTS:					
EXAMPLE					

AMBULANCE TASK FORCE

Resource:		AMBULANCE TASK FORCE			TIER-I
CATEGORY:		Emergency Medical Services (ESF-8)		KIND:	Vehicles/Teams
MINIMUM CAPABILITIES:		Type I	Type II	Type III	Type IV
COMPONENT	METRIC				
Overall Function	Any combination of 5 ambulances of different types (ALS and BLS) with common communications and a leader, in a separate command vehicle. This resource typing is used to distinguish between a Task Force of Ambulances and an Emergency Medical Task Force (any combination of resources).	Capable of providing clinical and transportation services to a range of patient conditions, includes vehicles, staff, equipment, and supplies.			

Personnel	Team experienced and actively involved in the care and transportation of EMS patients.	EMS Staff (2 per vehicle) AND Supervisor/ Leader, in a separate command vehicle. (1 per 5 ambulances) See Note 6			
Vehicle	5 Ambulances See Note 8	Any combination of 5 ambulances			
COMMENTS:	<p>1. Security, housing, and food will be provided by the requesting jurisdiction unless other arrangements have been made</p> <p>2. Support elements needed include fuel, security, resupply of medical supplies, and support for a minimum of 11 personnel (e.g., if 2 crew per ambulance only 1 personnel for lead responsibilities) or 17 (e.g., if 3 crew per ambulance and 2 personnel for lead responsibilities for 24 hour shift). If assigned for > 5 days, additional staff will be needed to provide for crew rest. See ALS and BLS Air or Ground Ambulance resources for staffing of individual ambulances. Temperature control support may be required for medical supplies in some environments. Vehicle maintenance support required.</p> <p>3. Additional staff, e.g., administrative, maintenance, logistic, may be needed to ensure the ongoing availability of resources required to safely and effectively support the mission assignment.</p> <p>4. Can be deployed to cover 12-hour periods or 24-hour ops depending on number of ambulances needed at one time. Should be self-sufficient for 72 hours.</p> <p>5. The estimation of the quantity of ground ambulance resources needed is based on many factors such as the nature of the mission, logistics, intensity of demand, duration of service activity, and allowance for rest periods.</p> <p>6. Supervisor/leader must meet or exceed criteria for Ambulance Task Force Leader. Communications capabilities must support communications, both enroute and at scene, with all other units under the leader's supervision. Mobility and coordination of tactical support of the Ambulance Task Force necessitates a separate command vehicle for the leader.</p> <p>7. Any person driving must be qualified to operate an emergency vehicle.</p> <p>8. A minimum of Td toxoid or Tdap (receipt of primary series and booster within the past 10 years) and a complete Hepatitis B Vaccination Series OR a waiver of liability. Also refer to immunization recommendations for emergency responders by Centers for Disease Control for additional guidance for specific responses.</p>				

EXAMPLE					
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EMERGENCY MEDICAL TASK FORCE

Resource:		EMERGENCY MEDICAL TASK FORCE			TIER-I
CATEGORY:	Emergency Medical Services (ESF-8)			KIND:	Vehicles/Team
MINIMUM CAPABILITIES:		Type I	Type II	Type III	Type IV
COMPONENT	METRIC				
Overall Function	An operational grouping of 5 different EMS resource teams for a medical mission with common communications and a leader	Capable of providing a range of EMS services, includes vehicles, staff, equipment, and supplies.			
Personnel	Supervisor See Note 2	1 Supervisor/leader per 5 teams Emergency medical services staff specific to the mission/ commensurate with the mission assignment			
Vehicle	Supervisor/ Leader	Supervisor/Task Force Leader must have separate vehicle with enroute and at scene communications capabilities with all other units under the leader's supervision.			
Equipment	Resources	Range of equipment and supplies commensurate with the mission assignment			

<p>COMMENTS:</p>	<ol style="list-style-type: none"> 1. Examples of resources include: ALS Ambulances, BLS Ambulances, Air Ambulances, or other EMS response vehicles or teams. 2. Supervisor/leader must meet or exceed criteria for an Ambulance Task Force Leader. Communications capabilities must support communications, both enroute and at scene, with all other units under the leader's supervision. 3. Self-sufficient for 12-hour operational periods, although may be deployed longer, depending on need. 4. Support elements needed include fuel, security, resupply of medical supplies, and support for a minimum of all personnel (depending on staffing of individual units). If assigned for > 5 days, additional staff will be needed to provide for crew rest. See ALS and BLS Air or Ground Ambulance resources for staffing of individual ambulances. 5. Temperature control support may be required for medical supplies in some environments. 6. Vehicle maintenance support required. 7. The estimation of the quantity of EMS resources needed is based on many factors such as the nature of the mission, logistics, intensity of demand, duration of service activity, and allowance for rest periods. 8. Any person driving must be qualified to operate an emergency vehicle. 9. A minimum of Td toxoid or Tdap (receipt of primary series and booster within the past 10 years) and a complete Hepatitis B Vaccination Series OR a waiver of liability. Also refer to immunization recommendations for emergency responders by Centers for Disease Control for additional guidance for specific responses. 				
<p>EXAMPLE</p>					

MASS CASUALTY SUPPORT VEHICLE

Resource:		MASS CASUALTY SUPPORT VEHICLE			TIER-I
CATEGORY:		Emergency Medical Services (ESF-8)		KIND:	
MINIMUM CAPABILITIES:		Type I	Type II	Type III	Type IV
COMPONENT	METRIC				
Personnel	Personnel deemed capable by the AHJ to perform medical supply support	4 (includes one designated lead)	Same as Type I	2 (includes one designated lead)	
Equipment to treat/triage patients	Number of patients	100	50	25	
COMMENTS:	<p>1. Recommended standard for equipment inventory is the Washington Metropolitan Council of Governments Mass Casualty Support Unit inventory list or the Baltimore Metro Fire Chiefs Mass Casualty Support Unit inventory list.</p> <p>2. Self-sufficient for 12-hour operational periods, although may be deployed longer, depending on need.</p> <p>3. Support elements needed include fuel, security, re-supply of medical supplies, and support for personnel (depending on staffing of individual units). If assigned for > 5 days, additional staff will be needed to provide for crew rest.</p> <p>4. Temperature control support may be required for medical supplies in some environments.</p> <p>5. Vehicle maintenance support required.</p> <p>6. Any person driving must be qualified to operate the vehicle.</p> <p>7. A minimum of Td toxoid or Tdap (receipt of primary series and booster within the past 10 years) and a complete Hepatitis B Vaccination Series OR a waiver of liability. Also refer to immunization recommendations for emergency responders by Centers for Disease Control for additional guidance for specific responses.</p>				
EXAMPLE					

MULTI-PATIENT MEDICAL TRANSPORT VEHICLE

Resource:		MULTI-PATIENT MEDICAL TRANSPORT VEHICLE			TIER-I
CATEGORY:		Emergency Medical Services (ESF-8)		KIND:	Vehicles/Team
MINIMUM CAPABILITIES:		Type I	Type II	Type III	Type IV
COMPONENT	METRIC				
Overall Function	Provides basic medical support, evacuation, and transportation services via multi-passenger vehicle. May also be utilized to import personnel and or equipment/ supplies into the area of need.	Capable of providing basic medical transportation services during large scale evacuation.	Capable of providing basic medical transportation services during large scale evacuation.	Capable of providing basic medical transportation services during large scale evacuation.	
Team	Team experienced in the care and transportation of ambulatory patients.	Basic Life Support	Basic Life Support	Basic Life Support	
Personnel	Minimum Staffing	Driver (licensed and able to operate vehicle) and certified as an EMT Emergency medical staff specific to the mission/ commensurate with the mission assignment	Driver (licensed and able to operate vehicle) and certified as an EMT Emergency medical staff specific to the mission/ commensurate with the mission assignment	Driver (licensed and able to operate vehicle) and certified as an EMT Emergency medical staff specific to the mission/ commensurate with the mission assignment	

Capacity	Patient Transport	Climate controlled Minimum of 10 seated patients AND 1 wheeled ambulance cot	Climate controlled Minimum of 10 seated patients	Climate controlled Minimum of 6 seated patients	
Equipment and Supplies	Equipment and supplies needed to meet mission objectives	Oxygen Compressed air Minimum of equipment and supplies commensurate with the mission assignment PPE consistent with OSHA 1910.134 and 1910.1030 requirements	Oxygen Compressed air Minimum of equipment and supplies commensurate with the mission assignment PPE consistent with OSHA 1910.134 and 1910.1030 requirements	Oxygen Compressed air Minimum of equipment and supplies commensurate with the mission assignment PPE consistent with OSHA 1910.134 and 1910.1030 requirements	
COMMENTS:	<ol style="list-style-type: none"> 1. Security, fuel, vehicle maintenance support, transportation, food, and/or rest facilities will be provided by the requesting jurisdiction unless other arrangements have been made. 2. Additional staff, e.g., administrative, logistics, maintenance, are recommend to ensure the ongoing availability of resources required to safely and effectively support the mission assignment. 3. Ground safety assurance and traffic control are important support requirements. This support may be significant depending upon the size and location of the incident. 4. Each team/unit can work a maximum of 12-hour shifts, depending upon individual policies and procedures. If assigned for > 5 days, additional staff will be needed to provide for crew rest. See ALS and BLS Air or Ground Ambulance resources for staffing of individual ambulances. 5. The estimation of the quantity of medical transportation resources needed is based on many factors such as the nature of the mission, logistics, intensity of demand, duration of service activity, and allowance for rest periods. 6. A minimum of Td toxoid or Tdap (receipt of primary series and booster within the past 10 years) and a complete Hepatitis B Vaccination Series OR a waiver of liability. Also refer to immunization recommendations for emergency responders by Centers for Disease Control for additional guidance for specific responses. 				
EXAMPLE					

RESCUE (EMS)

Resource:		RESCUE (AMBULANCE-GROUND W/FFS)				TIER-II
CATEGORY:		Emergency Medical Services (ESF-8)		KIND:		Vehicle/Team
MINIMUM CAPABILITIES:		Type I	Type II	Type III	Type IV	
COMPONENT	METRIC					
Capability	Patient Care and Transport	2-litter patients	2-litter patients	2-litter patients	2-litter patients	
Capability	Level of patient Treatment	Advanced Life Support (ALS)	Advanced Life Support (ALS)	Basic Life Support (BLS)	Basic Life Support (BLS)	
Personnel	Staffing	2-Total 1-Firefighter/PM 1-Firefighter/EMT Meets or exceeds standards as addressed by EPA, OSHA and NFPA 471, 472, 473 and 29 CFR 1910, 120 ETA 3-11 to work in HazMat Level B and specific threat conditions All immunized in accordance with CDC core adult immunizations and specific threat as commensurate with the mission assignment.	2-Total 1-Firefighter/PM 1-Firefighter/EMT	2-Total 2-Firefighter/EMT Meets or exceeds standards as addressed by EPA, OSHA and NFPA 471, 472, 473 and 29 CFR 1910, 120 ETA 3-11 to work in HazMat Level B and specific threat conditions All immunized in accordance with CDC core adult immunizations and specific threat as commensurate with the mission assignment.	2-Total 2-Firefighter/EMT	

Equipment & Supplies	Equipment and supplies as required by Florida Administrative Code	Rule 64J-1.002 Basic Life Support Service License - Ground Rule 64J-1.003 Advanced Life Support Service License – Ground.	Rule 64J-1.002 Basic Life Support Service License - Ground Rule 64J-1.003 Advanced Life Support Service License – Ground.	Rule 64J-1.002 Basic Life Support Service License - Ground.	Rule 64J-1.002 Basic Life Support Service License - Ground.
COMMENTS:					
EXAMPLE					

RESCUE (EMS) STRIKE TEAM

Resource:		RESCUE (EMS) STRIKE TEAM			TIER-II
CATEGORY:		Emergency Medical Services (ESF-8)		KIND:	
MINIMUM CAPABILITIES:		Type I	Type II	Type III	Type IV
COMPONENT	METRIC				
COMMENTS:					
EXAMPLE					

RESCUE (EMS) STRIKE TEAM LEADER

Resource:		RESCUE (EMS) STRIKE TEAM LEADER			TIER- II
CATEGORY:		Emergency Medical Services (ESF-8)		KIND:	
MINIMUM CAPABILITIES:		Type I	Type II	Type III	Type IV
COMPONENT	METRIC				
COMMENTS:					
EXAMPLE					

FIREFIGHTING RESOURCE DEFINITIONS

AERIAL APPARATUS, FIRE

RESOURCE NAME		TIER I
DESCRIPTION	A specialized fire apparatus equipped with an aerial ladder or elevated platform. If necessary, specifications for pumping capacity and/or flow rates and tip load requirements above minimums described in NFPA 1901 should be specified at the time of request.	
RESOURCE CATEGORY	Firefighting	RESOURCE KIND Equipment
OVERALL FUNCTION	Provides elevated stream capacity and/or a working platform from which rescue or other firefighting related tasks can be performed.	COMPOSITION AND ORDERING SPECIFICATIONS 1.If necessary, requester should specify ladder or platform when ordering 2.If specific flow and/or tip load requirements are needed, specify when ordering 3. If specific pumping capability or specialized equipment is needed, in addition to the minimums listed in NFPA 1901 Chapter 8, specify when ordering

RESOURCE TYPES			TYPE 1	TYPE 2	TYPE 3	TYPE 4
COMPONENT	METRIC/MEASURE	CAPABILITY				
Equipment	Meets NFPA Standard	Not Specified	Same as Type-4	Same as Type-4	Same as Type-4	1901
NOTES:			Apparatus will meet NFPA 1901 requirements at time of manufacture and will be tested and maintained in accordance with NFPA 1911			
Equipment	Not Specified	Aerial	Same as Type-2	76-100 ft. or greater Aerial Platform/ Straight Ladder	Same as Type-4	55-75 ft. Aerial Platform/Straight Ladder
NOTES:			Not Specified			
Equipment	Not Specified	Pump	750-1250 GPM	No Pump	750-1250 GPM	No Pump
NOTES:			Not Specified			
Equipment	Not Specified	Ground Ladders	Same as Type-4	Same as Type-4	Same as Type-4	115 ft.
NOTES:			Not Specified			

Personnel	Staffing per equipment	Out of State Deployment	Same as Type-4	Same as Type-4	Same as Type-4	4 Personnel: <ul style="list-style-type: none"> • 1 NIMS Type-4 Fire Officer • 1 NIMS Type-1 Fire Apparatus Driver/Operator • 2 NIMS Type-2 Firefighters
NOTES:						
Personnel	Staffing per equipment	Florida In State Deployment	Same as Type-4	Same as Type-4	Same as Type-4	4-Personnel: <ul style="list-style-type: none"> • 1-FL Fire Officer • 1-FL Fire Apparatus Pump Operator • 2-FL Certified Firefighters
NOTES:						

COMMENTS

Not Specified

REFERENCES

- 1.NFPA 1901: Standard for Automotive Fire Apparatus
- 2.NFPA 1911: Standard for the Inspection, Maintenance, Testing, and Retirement of In-Service Automotive Fire Apparatus
- 3.NIMS 509-2: Fire Officer
- 4.NIMS 509-2: Fire Apparatus Driver Operator
- 5.NIMS 509-2: Firefighter

NOTE

Nationally typed resources represent the minimum criteria for the associated component and capability.

AIR SUPPLY TRUCK

Resource:		AIR SUPPLY TRUCK			TIER-II
CATEGORY:	Firefighting (ESF #4)			KIND:	Equipment
MINIMUM CAPABILITIES:		Type I	Type II	Type III	Type IV
COMPONENT	METRIC				
Equipment	Compressor	25 CFM @ 5000 PSI	20 CFM @ 3000 PSI	15 CFM @ 2200 PSI	
Equipment	Storage Tank	2000 Cu Ft	1000 Cu Ft	1000 Cu Ft	
COMMENTS:					
EXAMPLE					

ALL TERRAIN VEHICLE (ATV)

Resource:		ALL TERRAIN VEHICLE (ATV)			TIER-II
CATEGORY:	Firefighting (ESF #4)			KIND:	Equipment
MINIMUM CAPABILITIES:		Type I	Type II	Type III	Type IV
COMPONENT	METRIC				
Equipment	Pump	50 GPM	50 GPM		
Equipment	Water Tank	500 Gal	300 Gal		
Equipment	Hose- 1"	100 Feet	100 Feet		
Equipment	Seating			6-Seats	2-Seats
Personnel	Staffing	1-Driver Operator	1-Driver/Operator		
COMMENTS:					
EXAMPLE					

BRUSH/WOODS TRUCK

Resource:	BRUSH / WOODS TRUCK (SAME AS TYPE IV- VII ENGINES)				TIER-I
CATEGORY:	Firefighting (ESF #4)			KIND:	Equipment
MINIMUM CAPABILITIES:		Type I	Type II	Type III	Type IV
COMPONENT	METRIC				
Equipment	Meets NFPA	1906	1906	1906	1906
Equipment	Pump	50 GPM	50 GPM	50 GPM	10 GPM
Equipment	Tank Capacity	750 Gal.	400 Gal.	150 Gal.	50 Gal.
Equipment	Hose, 1.5 inch	300 ft.	300 ft.	300 ft.	
Equipment	Hose, 1 inch	300 ft.	300 ft.	300 ft.	200 ft.
Equipment	Pump and Roll Capability	Yes	Yes	Yes	Yes
Equipment	Wheels X Drive	4X4	4X4	4X4	4X2
Personnel	Staffing	2-Total 1-FL Fire Officer I /ENGL 1-FL Certified Firefighter /SFFT	2-Total 1-FL Fire Officer I /ENGL 1-FL Certified Firefighter /SFFT	2-Total 1-FL Fire Officer I /ENGL 1-FL Certified Firefighter /SFFT	2-Total 1-FL Fire Officer I /ENGL 1-FL Certified Firefighter /SFFT
NIMS Compatible		Type IV Engine, Fire	Type V Engine, Fire	Type VI Engine, Fire	Type VII Engine, Fire
COMMENTS:	FFCA/FFS Wildland qualifications as identified in FFCA SERP will be required for all personnel deployed to wildfires as part of a SERP deployment.				
EXAMPLE					

BRUSH/WOODS TRUCK STRIKE TEAM

Resource:		BRUSH/WOODS TRUCK STRIKE TEAM			TIER- II
CATEGORY:		Firefighting (ESF #4)		KIND:	Team
MINIMUM CAPABILITIES:		Type I	Type II	Type III	Type IV
COMPONENT	METRIC				
Equipment	STL Vehicle	1	1	1	1
Equipment	Brush Trucks	5-Type I	5-Type II	5- Type III	5-Type-IV
Personnel	STL Regional	1	1	1	1
	STL Statewide or EMAC	2	2	2	2
Personnel	Brush Truck Crew	10	10	10	10
Total Staffing	Regional	11	11	11	11
	Statewide or EMAC	12	12	12	12
COMMENTS:	See Brush/Woods Truck Typing Definition for specific Crew staffing requirements				
EXAMPLE					

BRUSH/WOODS TRUCK STRIKE TEAM LEADER

Resource:		BRUSH/WOODS TRUCK STRIKE TEAM LEADER			TIER- II
CATEGORY:	Firefighting (ESF #4)			KIND:	
MINIMUM CAPABILITIES:		Type I	Type II	Type III	Type IV
COMPONENT	METRIC				
Equipment	Vehicle	1	1		
Personnel	Regional	1	1		
	Statewide or EMAC	2	2		
COMMENTS:	See Training & Credential Section in the SERP Plan for STL credentialing requirements				
EXAMPLE					

CRASH FIRE RESCUE (AIRPORT)

Resource:		CRASH FIRE RESCUE (AIRPORT)			TIER- II
CATEGORY:	Firefighting (ESF #4)			KIND:	Equipment
MINIMUM CAPABILITIES:		Type I	Type II	Type III	Type IV
COMPONENT	METRIC				
Equipment	Water	3,000 gal	1,500 gal		
Equipment	Foam	400 gal	200 gal		
Equipment	Turret Gun	1,200 GPM			
Equipment	Bumper Turret	300 GPM	300 GPM		
Equipment	Purple-K Pre-mixed Foam		500 Lbs	500 Lbs	
Personnel	Staffing				
COMMENTS:					
EXAMPLE					

CREW TRANSPORT

Resource:	CREW TRANSPORT (FIREFIGHTING CREW)				TIER-I
CATEGORY:	Firefighting (ESF #4)			KIND:	Equipment
MINIMUM CAPABILITIES:		Type I	Type II	Type III	Type IV
COMPONENT	METRIC				
Personnel	Passengers	30	20	10	
COMMENTS:	Vehicles may be buses, vans, and special crew carrying vehicles (CCV), and may be equipped to carry firefighting tools				
EXAMPLE					

FIELD MOBILE MECHANIC

Resource:		FIELD MOBILE MECHANIC		Florida Specific	
CATEGORY:		Firefighting (ESF #4)		KIND:	Equipment
MINIMUM CAPABILITIES:		Type I	Type II	Type III	Type IV
COMPONENT	METRIC				
Equipment	Vehicle	Heavy Equipment Support	Light Equipment Support		
Personnel	Staffing	1-Experienced Mechanic	1-Experienced Mechanic		
COMMENTS:					
EXAMPLE					

FIRE BOAT

Resource:	FIRE BOAT				TIER-I
CATEGORY:	Firefighting (ESF-4)			KIND:	Equipment
MINIMUM CAPABILITIES:		Type I	Type II	Type III	Type IV
COMPONENT	METRIC				
Equipment	Pump Capacity	5,000 GPM	1,000 GPM	250 GPM	
COMMENTS:	Fire boats vary in length, draft and related firefighting equipment				
EXAMPLE					

FIREFIGHTER REHAB UNIT

Resource:	FIREFIGHTER REHAB UNIT				TIER-II
CATEGORY:	Firefighting (ESF #4)			KIND:	
MINIMUM CAPABILITIES:		Type I	Type II	Type III	Type IV
COMPONENT	METRIC				
COMMENTS:					
EXAMPLE					

FIRE ENGINE (PUMPER)

Resource:		ENGINE, FIRE (PUMPER)						TIER-I (APRIL 2009 DRAFT)	
Category:	Firefighting (ESF #4)				Kind:	Equipment			
Minimum Capabilities:		Type I	Type II	Type III	Type IV	Type V	Type VI	Type VII	
Component	Metric								
Equipment	Meets NFPA	1901	1901	1906	1906	1906	1906	1906	
Equipment	Pump Capacity	1,000 GPM	500 GPM	150 GPM	50 GPM	50 GPM	50 GPM	10 GPM	
Equipment	Tank Capacity	300 Gal.	300 Gal.	500 Gal.	750 Gal.	400 Gal.	150 Gal.	50 Gal.	
Equipment	Hose, 2.5 inch	800 ft.	800 ft.						
Equipment	Hose, 1.5 inch	400 ft.	400 ft.	1,000 ft.	300 ft.	300 ft.	300 ft.		
Equipment	Hose, 1 inch	200 ft.	200 ft.	500 ft.	300 ft.	300 ft.	300 ft.	200 ft.	
Equipment	Pump and Roll Capability	No	No	Yes	Yes	Yes	Yes	Yes	
Personnel	Staffing	4-Total 1-FL Fire Officer I 1-FL Fire Apparatus Pump Operator 2-FL Certified Firefighter	3-Total 1-FL Fire Officer I 1-FL Fire Apparatus Pump Operator 1-FL Certified Firefighter	3-Total 1-FL Fire Officer I & ENGL 2-FL Certified Firefighter & SFFT	2-Total 1-FL Fire Officer I & ENGL 1-FL Certified Firefighter & SFFT	2-Total 1-FL Fire Officer I & ENGL 1-FL Certified Firefighter & SFFT	2-Total 1-FL Fire Officer I & ENGL 1-FL Certified Firefighter & SFFT	2-Total 1-FL Fire Officer I & ENGL 1-FL Certified Firefighter & SFFT	
Personnel	Wildland Deployment Requirements	4-Total 1-FL Fire Officer I/ENGL 1-FL Fire Apparatus Pump Operator/SFFT 2-FL Certified Firefighter/SFFT	3-Total 1-FL Fire Officer I/ENGL 1-FL Fire Apparatus Pump Operator/SFFT 1-FL Certified Firefighter/SFFT		See Brush/Woods Truck	See Brush/Woods Truck	See Brush/Woods Truck	See Brush/Woods Truck	

<p>COMMENTS:</p>	<ul style="list-style-type: none"> •Typically Type I and II engines apply to structural engines. Type III-VII engines apply to wildland engines. •Type I-II engines must meet NFPA 1901 requirement at time of manufacture and tested and maintained in accordance with NFPA 1911. •Type III –VII engines must meet NFPA 1906 requirements at time of manufacture or applicable NWCG standards. •When thread patterns do not meet NFPA 1906, adapters shall be provided. •Personal protective equipment and other safety equipment will be determined by the AHJ consistent with existing standards and regulations. •FFCA/FFS Wildland qualifications as identified in FFCA SERP will be required for all personnel deployed to wildfires as part of a SERP deployment. 							
<p>EXAMPLE</p>								

FIRE ENGINE STRIKE TEAM

Resource:	FIRE ENGINE STRIKE TEAM					TIER-I
CATEGORY:	Firefighting (ESF #4)				Kind:	Team
MINIMUM CAPABILITIES:		Type I	Type II	Type III	Type IV	Other
COMPONENT	METRIC					
Equipment	STL Vehicle	1	1			
Equipment	Engine, Fire	5	5			See Engine, Fire for details
Personnel	STL-Regional Deployment	1	1			
	STL-Statewide Deployment	2	2			
Personnel	Engine	4	3			
Personnel	Total Crew-Regional Deployment	21	16			
	Total Crew-Statewide or EMAC Deployment	22	17			
COMMENTS:	<ul style="list-style-type: none"> •Strike Team defined as like number of resources, with common communications, and a leader in a separate vehicle. •Engine Strike Team Typing is based on individual Engine Typing. 					
EXAMPLE						

FIRE ENGINE STRIKE TEAM LEADER

Resource:		FIRE ENGINE STRIKE TEAM LEADER			TIER-II
CATEGORY:	Firefighting (ESF #4)			KIND:	
MINIMUM CAPABILITIES:		Type I	Type II	Type III	Type IV
COMPONENT	METRIC				
Equipment	Vehicle	1	1		
Personnel	Regional	1	1		
	Statewide or EMAC	2	2		
COMMENTS:	See Training & Credential Section in the SERP Plan for STL credentialing requirements				
EXAMPLE					

FIRE ENGINE STRIKE TEAM LEADER-WILDLAND

Resource:		FIRE ENGINE STRIKE TEAM LEADER-WILDLAND			TIER-II
CATEGORY:	Firefighting (ESF #4)			KIND:	
MINIMUM CAPABILITIES:		Type I	Type II	Type III	Type IV
COMPONENT	METRIC				
COMMENTS:					
EXAMPLE					

FIRE INVESTIGATOR

Resource:		FIRE INVESTIGATOR			TIER-II
CATEGORY:	Firefighting (ESF #4)			KIND:	
MINIMUM CAPABILITIES:		Type I	Type II	Type III	Type IV
COMPONENT	METRIC				
COMMENTS:					
EXAMPLE					

FUEL TENDER

Resource:	FUEL TENDER (GASOLINE, DIESEL, AVGAS, AKA GAS TANKER)				TIER-I
CATEGORY:	Transportation (ESF-1); Public Works (ESF-3)			KIND:	Equipment
MINIMUM CAPABILITIES:		Type I	Type II	Type III	Type IV
COMPONENT	METRIC				
Supply	Fuel	1.000 gallons	100 gallons		
COMMENTS:	These vehicles vary widely. May be gasoline, Diesel, Jet Fuel, AvGas, or combinations. Specify: Gas Diesel, AvGas, etc.				
EXAMPLE					

HELICOPTERS, FIREFIGHTING

Resource:		HELICOPTERS, FIREFIGHTING			TIER-I
CATEGORY:	Firefighting (ESF #4)			KIND:	Aircraft
MINIMUM CAPABILITIES:		Type I	Type II	Type III	Type IV
COMPONENT	METRIC				
Personnel	Seats, Including Pilot	16	10	5	3
Equipment	Card Weight Capacity	5,000 lbs	2,500 lbs	1,200 lbs	600 lbs
Vehicle	Gallons	700	300	100	75
Supply	Example	Bell 214	Bell 205	Bell 206	Bell 47
COMMENTS:	Firefighting Helicopters may be equipped with rescue, medical, or other equipment.				
EXAMPLE					

LIGHT TRUCK

Resource:		LIGHT TRUCK (ILLUMINATION)			Tier-II
CATEGORY:	Firefighting (ESF-4)			KIND:	Equipment
MINIMUM CAPABILITIES:		Type I	Type II	Type III	Type IV
COMPONENT	METRIC				
Equipment	Transport	Tuck	Trailer		
Equipment	Lights	Light Tower & Portable Lights	Portable Lights		
Equipment	Generator				
Personnel	Staffing	1-Qualified Driver/Operator			
COMMENTS:					
EXAMPLE					

PORTABLE FIRE PUMP

Resource:	PORTABLE FIRE PUMP				TIER-II
CATEGORY:	Firefighting (ESF-4)			KIND:	Equipment
MINIMUM CAPABILITIES:		Type I	Type II	Type III	Type IV
COMPONENT	METRIC				
Equipment	Pump Capacity	500 GPM	250 GPM	100 GPM	50 GPM
	NIMS Equivalent	Type-I	Type-II		Type-III
COMMENTS:	These are normally trailer mounted units				
EXAMPLE					

STRUCTURAL TASK FORCE

Resource:	STRUCTURAL TASK FORCE				TIER-II
CATEGORY:	Firefighting (ESF #4)			KIND:	
MINIMUM CAPABILITIES:		Type I	Type II	Type III	Type IV
COMPONENT	METRIC				
COMMENTS:					
EXAMPLE					

WATER TENDER

Resource:		WATER TENDER			TIER-II
CATEGORY:	Firefighting (ESF-4)			KIND:	Equipment
MINIMUM CAPABILITIES:		Type I	Type II	Type III	Type IV
COMPONENT	METRIC				
Equipment	Water Tank	5,000 gal	2,500 gal	1,000 gal	1,000 gal
Equipment	Pump	300 gpm	300 gpm	100 gpm	0 gpm
Personnel	Staffing: Regional Deployment	1-FL Fire Apparatus Pump Operator	1-FL Fire Apparatus Pump Operator	1-FL Fire Apparatus Pump Operator	1-FL Fire Apparatus Pump Operator
Personnel	Staffing: Wildland Deployment Requirements	1-FL Fire Apparatus Pump Operator/SFFT	1-FL Fire Apparatus Pump Operator/SFFT	1-FL Fire Apparatus Pump Operator/SFFT	1-FL Fire Apparatus Pump Operator/SFFT
Personnel	Staffing: Statewide & EMAC Deployments	2-FL Fire Apparatus Pump Operator	2-FL Fire Apparatus Pump Operator	2-FL Fire Apparatus Pump Operator	2-FL Fire Apparatus Pump Operator
Mets or exceeds NIMS Typing		Type-I	Type-I	Type-III	
COMMENTS:	FFCA/FFS Wildland qualifications as identified in FFCA SERP will be required for all personnel deployed to wildfires as part of a SERP deployment.				
EXAMPLE					

WATER TENDER STRIKE TEAM LEADER

Resource:		WATER TENDER STRIKE TEAM LEADER			TIER-II
CATEGORY:	Firefighting (ESF #4)			KIND:	
MINIMUM CAPABILITIES:		Type I	Type II	Type III	Type IV
COMPONENT	METRIC				
COMMENTS:					
EXAMPLE					

HAZARDOUS MATERIALS RESOURCE DEFINITIONS

FOAM BULK, AFFF

Resource:	FOAM BULK, AFFF				TIER-II
CATEGORY:	Hazardous Materials (ESF-10)			KIND:	Product
MINIMUM CAPABILITIES:		265 Gal Tote	55-Gal Drum	5-Gal Pal	Other
COMPONENT	METRIC				
Foam	Minimum Number to Report	1	2	20	
COMMENTS:	Foam must be transportable, and may be contained in one or more size containers (ex: 265-Gal Tote, 55-Gal Drum, 5-Gal Pal).				
EXAMPLE					

FOAM BULK, AR-AFFF

Resource:		FOAM BULK, AR-AFFF			TIER-II
CATEGORY:		Hazardous Materials (ESF-10)		KIND:	
MINIMUM CAPABILITIES:		265 Gal Tote	55-Gal Drum	5-Gal Pal	Other
COMPONENT	METRIC				
Foam	Minimum number to report	1	2	20	
COMMENTS:	Foam must be transportable, and may be contained in one or more size containers (ex: 265-Gal Tote, 55-Gal Drum, 5-Gal Pal).				
EXAMPLE					

FOAM BULK, CLASS-A

Resource:		FOAM BULK, CLASS-A			TIER-II
CATEGORY:		Hazardous Materials (ESF-10)		KIND:	
MINIMUM CAPABILITIES:		265 Gal Tote	55-Gal Drum	5-Gal Pal	Other
COMPONENT	METRIC				
Foam	Minimum number to report	1	2	20	
COMMENTS:	Foam must be transportable, and may be contained in one or more size containers (ex: 265-Gal Tote, 55-Gal Drum, 5-Gal Pal).				
EXAMPLE					

FOAM BULK, HIGH-EXPANSION

Resource:		FOAM BULK HIGH-EXPANSION			TIER-II
CATEGORY:		Hazardous Materials (ESF-10)		KIND:	Product
MINIMUM CAPABILITIES:		265 Gal Tote	55-Gal Drum	5-Gal Pal	Other
COMPONENT	METRIC				
Foam	Minimum number to report	1	2	20	
COMMENTS:	Foam must be transportable, and may be contained in one or more size containers (ex: 265-Gal Tote, 55-Gal Drum, 5-Gal Pal).				
EXAMPLE					

FOAM TENDER

Resource:		FOAM TENDER, FIREFIGHTING			TIER-I
CATEGORY:	Firefighting (ESF-4); Hazardous Materials (ESF-10)			KIND:	Equipment
MINIMUM CAPABILITIES:		Type I	Type II	Type III	Type IV
COMPONENT	METRIC				
Equipment	CLASS B FOAM	500 Gallons	250 Galloons		
COMMENTS:	Specify percent of Concentrate (1%, 3%, etc.)				
EXAMPLE					

HAZMAT RESPONSE TEAM

Resource:	HAZMAT RESPONSE TEAM				TIER-I
CATEGORY:	Hazardous Materials (ESF-10)			KIND:	
MINIMUM CAPABILITIES:		Type I	Type II	Type III	Type IV
COMPONENT	METRIC				
COMMENTS:					
EXAMPLE					

HEALTH RESOURCE DEFINITIONS

CRITICAL INCIDENT STRESS MANAGEMENT TEAM (CISM)

Resource:	CRITICAL INCIDENT STRESS MANAGEMENT TEAM (CISM)				TIER-I
CATEGORY:	Health & Medical (ESF-8)			KIND:	Team
MINIMUM CAPABILITIES:		Type I	Type II	Type III	Type IV
COMPONENT	METRIC				
Personnel	Number of Team Coordinators	1-2	1	1	
Personnel	Team Coordinator Experience and Comprehension	Experience as supervisor of CISM Team in large-scale disaster situations in home and other states. Has extensive experience in CISM team administration and knowledge of ICISF standards.	Experience as supervisor of CISM Team in medium-to large-scale disaster situations in home state. Has extensive experience in CISM team administration and knowledge of ICISF standards.	Experience as supervisor of CISM Team in small-scale disaster situations in home State. Has experience in CISM team administration and knowledge of ICISF standards.	
Personnel	Team Coordinator Training	Complete certification from the ICISF. Participated in training approved by the ICISF	Complete certification from the ICISF. Participated in training approved by the ICISF	Participated in training approved by the ICISF	
Personnel	Team member experience. See Note 1	10-15	2-4	1	

Personnel	Team member experience and comprehension	Experience as part of CISM Team in large-scale disaster situations in home and other States. Has extensive experience in CISM administration and knowledge of ICISF standards.	Experience as part of CISM Team in large-scale disaster situations in home and other States. Has extensive experience in CISM administration and knowledge of ICISF standards.	Experience as part of CISM Team in small-scale disaster situations in home State.	
Personnel	Team member training	Completed certification from the ICISF. Participated in training approved by the ICISF.	Completed certification from the ICISF. Participated in training approved by the ICISF.	Participated in training approved by the ICISF.	
Equipment		Laptop with wireless Internet capabilities. Satellite/cell phone	Laptop with wireless Internet capabilities. cell phone		
COMMENTS:	<p>•Note 1: Number of team members based on size of incident and effects of emergency responders; experience, training, and comprehension.</p> <p>•Team is responsible for the prevention and mitigation of disabling stress among emergency responders in accordance with the standards of International Critical Incident Stress Foundation (ICISF).</p> <p>•Team composition, management, membership and governance varies, but can include psychologists, psychiatrists, social workers, and licensed professional counselors.</p> <p>•Source: International Critical Incident Stress Foundation</p>				
EXAMPLE					

PUBLIC SAFETY DIVE TEAM

Resource:	PUBLIC SAFETY DIVE TEAM				TIER-I
CATEGORY:	Law Enforcement (ESF-16)			KIND:	
MINIMUM CAPABILITIES:		Type I	Type II	Type III	Type IV
COMPONENT	METRIC				
COMMENTS:					
EXAMPLE					

PUBLIC INFORMATION RESOURCE DEFINITIONS

PUBLIC INFORMATION OFFICER

Resource:	PUBLIC INFORMATION OFFICER				TIER-I
CATEGORY:	Public Information Resources			KIND:	Personnel
MINIMUM CAPABILITIES:		Type I	Type II	Type III	Type IV
COMPONENT	METRIC				
Personnel	Staffing	1-PIO Officer	1-PIO Officer	1-PIO Officer	
Training		Basic & Advanced PIO training class or equivalent	Basic PIO training class		
Experience		5-Years plus 1-deployment	2-Years		
Team Assignment		Lead PIO; Team Leader	Team Leader	Local JIC Only	
Membership		Same as Type III	Same as Type III	Must hold current membership in the Florida Association of Public Information Officers (FAPIO) or the Florida Law Enforcement Public Information Officers Association (FLEPIOA)	
Documentation		Same as Type III	Same as Type III	Have on file with FAPIO a Letter of Agreement (LOA) for participation authorization from their Authority Having Jurisdiction (AHJ)	

COMMENTS:	All PIOs must have attended at least one Deployment Team sponsored training program each year.				
EXAMPLE					

SEARCH & RESCUE RESOURCE DEFINITIONS

AIR SEARCH TEAM (FIXED-WING)

Resource:	AIR SEARCH TEAM (FIXED-WING)				TIER-I
CATEGORY:	Search & Rescue (ESF-9)			KIND:	Team
MINIMUM CAPABILITIES:		Type I	Type II	Type III	Type IV
COMPONENT	METRIC				
Vehicle	Fixed-Wing Aircraft	Same as Type II	IFR Capable Fixed-Wing Observation Aircraft	Same as Type IV	Fixed-Wing Observation Aircraft
Vehicle	Capacity	4-8 passengers with cargo not to exceed design specification of aircraft	Same as Type III	Same as Type IV	2-4 passenger with cargo not to exceed design specification of aircraft
Equipment	Flight Suit	Same as Type II	Same as Type III	Same as Type IV	Appropriate level of PPE
Equipment	Communications	Same as Type II except: Satellite Phone	Same as Type III	Same as Type IV except: VHF Radios	Standard FAA FM Radio
Equipment	Video/Electronic	Same as Type III except: Capable of Airborne Video Transmission	Same as Type III except: Capable of flying or still imagery	Electronic Direction Finding Capable	None
Aircrews	Training & Ratings	Pilot – Commercial (instrument) or higher certificate and complete unit certification program Observer – Complete unit certification program	Pilot – Private Pilot (instrument) or higher certificate and complete unit certification program Observer – Complete unit certification program	Same as Type IV	Pilot – Private Pilot or higher certificate and complete unit certification program Observer – Complete unit certification program
Aircrews	Crew Availability	Aircrew(s) available for extended operations	Aircrew(s) available for 8 to 14 days of operations	Aircrew(s) available for 3 to 7 days of operations	Aircrew(s) available for at least 2 days of operations
Management Support	Overhead Incident Management	Full incident command staff capable of managing all phases of air search operations	Incident staff capable of managing air operations branch	Incident staff capable of supporting independent flight release	Unit level flight release; No search management capabilities

COMMENTS:	<p>Aircrews can work a maximum of 12-hour shifts, depending on individual unit policies and procedures. Aircraft will be maintained in accordance with Federal Aviation Administration Regulations. Aircraft will be expected to operate out of established airfield with paved runways. Aircrews will indicate fueling and runway requirements for the aircraft provided. Crew availability does not require continuous availability of specific personnel, only that crews are available to those specifications</p>				
EXAMPLE					

AIRBORNE RECONNAISSANCE (FIXED-WING)

Resource:		AIRBORNE RECON (FIXED-WING)			TIER-I
CATEGORY:	Search & Rescue (ESF-9)			KIND:	Team
MINIMUM CAPABILITIES:		Type I	Type II	Type III	Type IV
COMPONENT	METRIC				
Vehicle	Fixed-Wing Aircraft	Same as Type II	IFR Capable Fixed-Wing Observation Aircraft	Same as Type IV	Fixed-Wing Observation Aircraft
Vehicle	Capacity	4-8 passengers with cargo not to exceed design specification of aircraft	Same as Type III	Same as Type IV	2-4 passengers with cargo not to exceed design specification of aircraft
Equipment	Flight Suit	Same as Type II	Same as Type III	Same as Type IV	Appropriate level of PPE
Equipment	Communications	Same as Type II except: Satellite Phone	Same as Type III	Same as Type IV except: VHF Radios	Standard FAA FM Radio
Equipment	Video/Electronic	Capable of flying back video or still imagery Desired: FLIR or other infrared capabilities Desired: Capable of supporting Hyperspectral Imaging Requests	Same as Type III except: Capable of Low resolution Airborne Video Transmission Desired: FLIR or other infrared capabilities	Capable of flying back video or still imagery	None
Personnel	Training & Rating	Pilot – Commercial (instrument) or higher certificate and complete unit certification program Observer – Complete unit certification program	Pilot – Private Pilot (instrument) or higher certificate and complete unit certification program Observer – Complete unit certification program	Same as Type IV	Pilot – Private Pilot or higher certificate and complete unit certification program Observer – Complete unit certification program

Personnel	Crew Availability	Aircrew(s) available for extended operations	Aircrew(s) available for 8 to 14 days of operations	Aircrew(s) available for 3 to 7 days of operations	Aircrew(s) available for at least 2 days of operations
Management Support	Overhead Incident Management	Full Incident Command staff capable of managing all phases of air search operations	Incident staff capable of managing air operations branch	Incident staff capable of supporting independent flight release	Unit level flight release; no incident management capabilities
COMMENTS:	Aircrews can work a maximum of 12-hour shifts, depending on individual unit policies and procedures. Aircraft will be maintained in accordance with Federal Aviation Administration Regulations. Aircraft will be expected to operate out of established airfield with paved runways. Aircrews will indicate fueling and runway requirements for the aircraft provided. Crew availability does not require continuous availability of specific personnel, only that crews are available to those specifications.				
EXAMPLE					

CANINE SEARCH & RESCUE TEAM- DISASTER RESPONSE

Resource:		CANINE SEARCH & RESCUE TEAM- DISASTER RESPONSE			TIER-I
CATEGORY:	Search & Rescue (ESF-9)			KIND:	Team
MINIMUM CAPABILITIES:		Type I	Type II	Type III	Type IV
COMPONENT	METRIC				
Personnel	Dog Team	1-Dog 1-Handler 1-Support Person			
Personnel	Search Capabilities	A disaster search canine that has successfully completed the DHS/FEMA Disaster Search Canine Readiness Evaluation for both Type II and Capable of national and international responses	A disaster search canine that has successfully completed the DHS/FEMA Disaster Search Canine Readiness Evaluation for Type II only; Capable of national and international responses	A disaster search canine that has successfully completed Disaster Search Canine Readiness Evaluation through an organized disaster task force – non-FEMA; Capable of national and international responses	A search canine with minimal exposure to disaster search; Capable of local/regional response only; No task force participation
Team	Knowledge & Equipment	All requirements as set forth by DHS/FEMA National US&R Response System	All requirements as set forth by DHS/FEMA National US&R Response System	All requirements as set forth by organized task force for availability for national/international response	Agility; Obedience; First Aid- Human/Dog; HazMat; Disaster; Environment Exposure minimal; Initial responder readiness through local agency
COMMENTS:	Please note that many of these resources are capable of searching in a disaster environment, such as a wilderness team in outlying areas of a tornado zone, etc. It is critical that canine management personnel, knowledgeable in multiuse of canine resources, are available to Incident Command. This will not necessarily be reflected in this document.				
EXAMPLE					

CANINE SEARCH & RESCUE TEAM- LAND CADAVER AIR SCENT

Resource:		CANINE SEARCH & RESCUE TEAM- LAND CADAVER AIR SCENT			TIER-I	TIER-I
CATEGORY:		Search & Rescue (ESF-9)			KIND:	Team
Minimum CAPABILITIES:		Type I	Type II	Type III	Type IV	Other
COMPONENT	METRIC					
Personnel	Dog Team	1-Dog 1-Handler 1-Support Person	Same as Type I	Same as Type I	Same as Type I	Same as Type I
Team	Search Capabilities	Capable of locating less than 15 grams of human remains during disaster ops; Capable of self-sustaining for 24 hours	Capable of locating deceased persons (greater than 15 grams) in disaster ops; Capable of self-sustaining for 24 hours	Capable of locating less than 15 grams of human remains buried, hanging, ground level, or in vehicles, nondisaster	Capable of locating less than 15 grams of human remains buried, hanging, ground level, nondisaster	Capable of locating deceased persons (greater than 15 grams) buried, hanging, ground level, nondisaster
Team	Knowledge & Equipment	Same as Type II	Same as Type III plus: Disaster ops training and capabilities	Same as Type IV	Training and equipment for biohazard environment, including OSHA guidelines, scene preservation, documentation, collection, chain of custody, and scene security First Aid for both human and dog, personal/ dog safety, and radio communications	Same as Type IV
COMMENTS:						
EXAMPLE						

CANINE SEARCH & RESCUE TEAM- WATER AIR SCENT

Resource:		CANINE SEARCH & RESCUE TEAM- WATER AIR SCENT			TIER-I	TIER-I
CATEGORY:		Search & Rescue (ESF-9)			KIND:	Team
MINIMUM CAPABILITIES:		Type I	Type II	Type III	Type IV	Other
COMPONENT	METRIC					
Personnel	Dog Team	1-Dog 1-Handler 1-Support Person				
Team	Search Capabilities	Capable of working swiftwater/stillwater environments; Trained and equipped to perform search ops on foot and from any type of watercraft	Capable of working stillwater environments; Trained and equipped to perform search ops on foot and from any type of watercraft	Capable of working swiftwater and stillwater ops from shore only	Capable of working swiftwater ops from shore only	Type V capable of working stillwater ops from shore only Type VI capable of working salt-water and very large fresh water environments from both boat and shore Type VII capable of working salt-water and very large fresh water environments from shore only

Team	Knowledge & Equipment	Water Helmet; Class V Water Vest; Throw Rope Swiftwater lifesaving skills; Knowledge of water rescue and boat operations; First Aid for both human and dog; Personal/dog safety Radio communications	Water Helmet; Class III-V Water Vest; Throw Rope Stillwater lifesaving skills; Knowledge of water rescue operations in stillwater environment; First Aid for both human and dog; Personal/dog safety Radio communications equipment	Same as Type I	Same as Type I	Type V same as Type II Type VI, VII same as Type I
COMMENTS:	Note: Many of these resources are capable of searching in a disaster environment, such as a wilderness team in outlying areas of a tornado zone, etc. It is critical that canine management personnel, knowledgeable in multiuse of canine resources, are available to Incident Command. This will not necessarily be reflected in this document.					
EXAMPLE						

CANINE SEARCH & RESCUE TEAM- WILDERNESS AIR SCENT

Resource:		CANINE SEARCH & RESCUE TEAM- WILDERNESS AIR SCENT				TIER-I	
CATEGORY:		Search & Rescue (ESF-9)				KIND:	Team
MINIMUM CAPABILITIES:		Type I	Type II	Type III	Type IV	Other	
COMPONENT	METRIC						
Single Resource	Search Capabilities	Capable of search and self-sustaining for 72 hours in all weather and low angle wilderness terrain or larger areas of 60+ acres	Capable of searching and self-sustaining for 48 hours in all weather and low angle wilderness terrain or larger areas of 60+ acres	Capable of searching high probability local wilderness terrain for short durations (24 hours or less) or small areas 40-60 acres	Capable of searching high probability local wilderness terrain for short durations (12 hours or less) or small areas 40-60 acres	Human discriminating (scent source necessary)	
Single Resource	Search Capabilities	Capable of search and self-sustaining for 72 hours in all weather and low angle wilderness terrain or larger areas of 120+ acres	Capable of searching and self-sustaining for 48 hours in all weather and low angle wilderness terrain or larger areas of 120+ acres	Capable of searching high probability local wilderness terrain for short durations (24 hours or less) or small areas of 60-120 acres	Capable of searching high probability local wilderness terrain for short durations (12 hours or less) or small areas of 40-60 acres	Non-discriminating (locate all human indication in area)	
COMMENTS:	<p>There are significant differences in the training required for urban versus wilderness environments, both in air scent/area and trailing/tracking. Because of the vast differences, often a resource highly skilled in one environment may not function as well in the other environment because of a lack of continuous training in the environment. Teams may be cross-trained in both environments, depending on the team training criteria.</p> <p>Note: Many of these resources are capable of searching in a disaster environment, such as a wilderness team in outlying areas of a tornado zone, etc. It is critical that canine management personnel, knowledgeable in multiuse of canine resources, are available to Incident Command. This will not necessarily be reflected in this document.</p>						

EXAMPLE						
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CANINE SEARCH & RESCUE TEAM- WILDERNESS TRACKING/TRAILING

Resource:		CANINE SEARCH & RESCUE TEAM- WILDERNESS TRACKING/TRAILING					TIER-I
CATEGORY:		Search & Rescue (ESF-9)				KIND:	Team
MINIMUM CAPABILITIES:		Type I	Type II	Type III	Type IV	Other	
COMPONENT	METRIC						
Personnel	Dog Team	Same as Type IV	Same as Type IV	Same as Type IV	1-Dog 1-Handler 1-Support Person	Same as Type IV	
Team	Search Capabilities	Capable of trailing in wilderness terrain Aged 24+ hours; 1 mile or longer; Heavy contamination	Capable of trailing in wilderness terrain Aged 4-12 hours; 1 mile or longer; Heavy contamination	Capable of trailing in wilderness terrain Aged 1.5-4 hours; .5-1 mile; Heavy contamination	Capable of trailing in wilderness terrain Aged 0-1.5 hours; .25-.5 mile; Heavy contamination	Discriminating (scent source must be available)	
Personnel	Equipment	Personally equipped for 24 hours for dog/handler First Aid for both human and dog Radio communications	Same as Type I	Same as Type I	Same as Type I	N/A	

Personnel	Knowledge	Wilderness survival skills Capable of establishing and maintaining direction of travel First Aid for both human and dog Personal/ dog safety Personnel/dog safety Skill in collection of scent articles	Same as Type I	Same as Type I	Same as Type I	N/A
COMMENTS:	<p>As these dogs use scent articles, they are commonly referred to as trailing dogs. However, occasionally, a unit may refer to such dogs as tracking dogs. They do have the capability of human discrimination between sources with the aid of a provided scent source. Care should be taken to determine if a tracking dog requires the use of an article or not.</p> <p>Note: Many of these resources are capable of searching in a disaster environment, such as a wilderness team in outlying areas of a tornado zone, etc. It is critical that canine management personnel, knowledgeable in multiuse of canine resources, are available to Incident Command. This will not necessarily be reflected in this document.</p>					
EXAMPLE						

CAVE SEARCH & RESCUE TEAM

Resource:	CAVE SEARCH & RESCUE TEAM				TIER-I
CATEGORY:	Search & Rescue (ESF-9)			KIND:	Team
MINIMUM CAPABILITIES:		TYPE I	TYPE II	TYPE III	TYPE IV
COMPONENT	METRIC				
Team	Personnel	Same as Type III	Same as Type III	Same as Type IV plus Medical specialist	Field team leader Field team members

<p>Personnel</p>	<p>Cave Training</p>	<p>Same as Type II, plus: Proficiency in cave and surface search; Proficiency in high- and low-angle technical rescues and evacuations from dry, wet, and multidrop caves</p>	<p>Same as Type III, plus: Proficiency in vertical environments greater than 100 feet in depth; Ability to safely traverse multidrop caves; Ability to rapidly ascend a rope next to a litter during a litter raise</p>	<p>Same as Type IV, plus: Ability to carry additional rescue-related equipment to and through the cave</p>	<p>Basic understanding of the cave environment, including regional differences in ambient cave temperature, normal hazards such as risk of flooding, hypothermia, and potential changes in cave environment because of seasonal variations and outside weather; Proficiency in crawling, climbing and moving over uneven surfaces and breakdown areas covered in mud, sand, or water; Familiarity with chimneying, bridging, and other basic climbing techniques used in moving through caves; Ability to move comfortably and efficiently in small spaces; Ability to rappel and ascend 66' of static line using standard single rope techniques; Proficiency in changing over from ascent to rappel and rappel to ascent;</p>
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Personnel	Navigation Training	Same as Type II	Same as Type III, plus: Proficiency in back-country navigation and route finding with a map and compass, use of GPS and UTM coordinate system	Same as Type IV, plus: Knowledge of common symbols present on cave maps; Proficiency in reading cave maps; Ability to use topographic maps to locate caves	Familiar with cave maps and topographic maps
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Personnel	Basic Training	<p>Same as Type II, plus;</p> <p>Ability to plan, organize, and direct cave rescue and search missions using ICS;</p> <p>Experience with ICS Unified Command</p>	<p>Same as Type III, plus:</p> <p>Ability to direct activities according to ICS;</p> <p>Technical proficiency in single person rope rescue techniques;</p> <p>Proficiency in crack and crevice rescue;</p> <p>Proficiency in creating load distributing and artificial anchors in-cave</p>	<p>Same as Type IV, plus:</p> <p>Capable of operating within ICS;</p> <p>Proficiency in edge tending for the vertical environment;</p> <p>Proficiency in preparing and rigging basket and flexible litters for haul and lower operations;</p> <p>Proficiency in patient packaging for extrication;</p> <p>Familiarity with the basic techniques for crack and crevice rescue;</p> <p>Ability to improvise patient packaging</p>	<p>Familiarity with basic cave search techniques;</p> <p>Familiarity with the NIIMS ICS of incident management;</p> <p>Proficiency in establishing simple anchors and fixing lines for personal rappels and ascents;</p> <p>Awareness of the psychological and physical patient considerations in rescue extrications of long duration;</p> <p>Proficiency in basic in-cave litter movement techniques;</p> <p>Ability to assist in patient packaging for extrication;</p> <p>Specialized training required to safely and appropriately use communication and technical rescue equipment</p>
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<p>Personnel</p>	<p>Technical Training</p>	<p>Same as Type II, plus:</p> <p>Proficiency in the use, placement, and analysis of mechanical anchors and anchor systems;</p> <p>Proficiency in use of highlines and guiding lines;</p> <p>Proficiency in the organization and direction of technical cave rescue searches and rescues;</p> <p>For regions/caves with swiftwater:</p> <p>Proficiency in working in and around moving water underground;</p> <p>Swiftwater/flatwater technician</p> <p>For regions/caves with bad air:</p> <p>Proficiency in the use of a 3-gas monitor (oxygen, hydrogen sulfide and carbon monoxide) and ability to understand its output</p>	<p>Same as Type III, plus:</p> <p>Understanding of the mechanical forces involved in technical rescue systems;</p> <p>Proficiency in the selection and setup of rescue anchor systems;</p> <p>Proficiency at estimating component and system load ratios and assessing safety factors;</p> <p>Ability to rig and operate simple and compound 4:1, 6:1, and 9:1 mechanical advantage systems;</p> <p>Proficiency in rigging and use of counterbalance systems;</p> <p>Proficiency in technical litter evacuations and transport including litter raises and lowers on breakdown, in free-fall and other vertical environments, in narrow or waterfall situations, and in multidrop caves</p>	<p>Same as Type IV, plus:</p> <p>Proficiency in tying common knots and knowledge of their applications and strength efficiencies;</p> <p>Proficiency in establishing simple anchors for haul and lower systems;</p> <p>Ability to establish 2:1 and 3:1 haul systems, fixed brake lowering systems, and belay systems;</p> <p>Familiarity with basic search techniques and nomenclature;</p> <p>Ability to maintain scene integrity in case of crime;</p> <p>Proficiency in establishing and operating in-cave wired communications systems;</p> <p>Ability to operate a handheld radio;</p> <p>Proficiency in choosing appropriate in-cave litter movement techniques</p>	<p>Ability to serve as a member of a haul or lower team and familiarity of appropriate commands;</p> <p>Ability to serve as a member of an evacuation team;</p> <p>Other skills or abilities as identified by the team's operations leader</p>
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Personnel	Survival Training	Same as Type III	Same as Type III	Same as Type IV, plus: Experience in wet and vertical caves	Operational proficiency in the cave environment for the region
Personnel	Medical Specialist Training	National Standard EMT-B, with BTLS or PHTLS	National Standard EMT-B, or advanced wilderness first responder; BTLS	Same as Type IV	Basic First Aid/CPR
Team	Sustained Operations	48 hours or more	36 hours	24 hours	24 hours
Team	Team Search & Rescue Materials	Same as Type II with experience complex rescue environments as appropriate for region of activity	Same as Type III with experience in wet and vertical caves and crack/ crevice situations	Same as Type IV	Trained cave rescue and cave search personnel with experience in relatively dry caves with moderate vertical situations

<p>Equipment</p>	<p>Team Supplies & Materials</p>	<p>Same as Type III, plus:</p> <p>Ability to support more than 2 patients at 2 separate incidents;</p> <p>Sufficient rope and hardware to support complex rigging, multiple drops, highline, etc.</p> <p>In regions/caves with swiftwater:</p> <p>Appropriate floatation equipment for patient(s) and other necessary swiftwater- specific rigging equipment</p> <p>In regions/caves with bad air: 3-gas monitors</p>	<p>Same as Type III, plus:</p> <p>Ability to respond to two in-cave patients simultaneously</p>	<p>Same as Type IV</p>	<p>Harnesses, Helmets;</p> <p>Basic hardware (including: 7/16 or .5” static kernmantle rope, webbing, pulleys, carabiners, lowering devices, etc.)</p> <p>Field telephones and wire</p> <p>Radio communications on a common frequency</p> <p>Patient packaging materials</p> <p>Litters appropriate for situation</p> <p>Entrance control materials;</p> <p>Edge protection</p>
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Equipment	Personal Supplies & Materials	<p>Same as Type II, plus:</p> <p>Food for 48 hours</p> <p>In regions/caves with swiftwater:</p> <p>Appropriate Swiftwater gera, PFD, personal throwbags, and waterproof light sources</p>	<p>Same as Type III, plus:</p> <p>Food for 36 hours</p>	<p>Same as Type IV, plus:</p> <p>Wetsuit where appropriate</p>	<p>Personal protective equipment including:</p> <p>Footwear, underwear, and outerwear suited to the particular cave environment</p> <p>Sewn seat harness; Personal descending and ascending equipment with 2 points of attachment above the waist</p> <p>Helmet (with 3- or 4-point chinstrap suspension system); Gloves with leather palms</p> <p>3 independent sources of light, each capable of exiting the cave; 2 of which must be helmet-mountable</p> <p>Batteries (carbide if appropriate)</p> <p>Quantity of water appropriate for the conditions</p> <p>Food for 24 hours</p> <p>Knife/multitool</p> <p>Personal first aid kit</p>
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Equipment	Medical Supplies & Materials	Same as Type IV	Same as Type IV	Same as Type IV	As appropriate for level of training, as applied in wilderness/cave environment and meeting local protocols and requirements
COMMENTS:					
EXAMPLE					

COLLAPSE S&R TEAM

Resource:		COLLAPSE SEARCH & RESCUE TEAM			TIER-I
CATEGORY:		Search & Rescue (ESF-9)		KIND:	Team
MINIMUM CAPABILITIES:		Type I	Type II	Type III	Type IV
COMPONENT	METRIC				
Personnel	Training & Certification	Trained to the HazMat Technician Level (NFPA 472) Comply with NFPA 1006 Technician Level requirements for their area of specialization or organization Operations Level for support personnel as outlined in NFPA 1670.	Trained to the HazMat First Responder Operational Level (NFPA 472) Comply with organization Operations Level for support personnel as outlined in NFPA 1670.	Trained to the HazMat First Responder Operational Level (NFPA 472) Comply with organization Operations Level for support personnel as outlined in NFPA 1670	Trained to HazMat First Responder Awareness Level (NFPA 472) Comply with organization Awareness Level for support personnel as outlined in NFPA 1670
Team	Training	Trained for Heavy Floor Construction, Pre-cast Concrete Construction, Steel Frame Construction, High Angle Rope Rescue (including highline systems), Confined Space Rescue (permit required), and Mass Transportation Rescue	Trained for Heavy Wall Construction, High Angle Rope Rescue (not including highline systems), Confined Space (no permit required) and Trench and Excavation Rescue	Trained for Light Frame Construction and Low Angle Rope Rescue	Trained for Surface Rescue and Non-Structural Entrapment in Non- Collapsed Structures

Team	Sustained Operations	Capable of sustained heavy operations for 18-24 hours	Medium operations for 12-24 hours Typically require relief for sustained 24-hour operations	Light operations for 6-12 hours Typically require assistance from additional team for sustained 12-hour operations	Basic operations for 3-6 hours Typically require assistance for sustained 6-hour operations
Team	Safe and Effective Response Operation Incidents	Conduct safe and effective search and rescue operations at incidents involving collapse or failure of heavy floor, pre-cast concrete, and steel frame construction	Conduct safe and effective search and rescue operations at structural incidents involving the collapse of failure of heavy wall construction	Conduct safe and effective search and rescue operations at structure collapse incidents involving the collapse or failure of light frame construction	Conduct safe and effective search and rescue operations at incidents involving non-structural entrapments and minimal removal of debris and building contents
Team	Specialty Search & Rescue Capabilities	Conduct High Angle Rope Rescue (including highline systems), Confined Space Rescue (permit required), and extraction of entrapped victims for Mass Transportation Rescue	Conduct High Angle Rope Rescue (not including highline systems), Confined Space Rescue, and Trench and Excavation Rescue	Conduct Low Angle Rope Rescue	
Team	Certifications	Confined Space Permit			

Equipment	Technical Search Resources	Same as Type II plus: Audible and optical search equipment to conduct technical search Visual inspection devices Listening devices (seismic and acoustic) Handheld radios	Same as Type III	Same as Type IV plus: Demolition hammers Rotary hammers Hydraulic concrete breakers Hydraulic vehicle rescue system Hammer drill Nail gun Cutting torch Hoisting slings and shackles Rope equipment (kernmantel and lifeline rope, ascenders/ descenders, pulleys, tripod hauling system, carabineers)	Shoring assortment Rebar cutters Reciprocating saws Chain saw Assorted hand tools Generator Lights Extensions cords Air blower Fire extinguishers
Equipment	Breathing Apparatus	Same as Type II plus: Self-contained (SCBA) Respiratory protection	Same as Type III	Air Bags	
Equipment	Medical Materials & Supplies	Same as Type IV	Same as Type IV	Same as Type IV	Medical aid equipment Backboards Stokes stretcher

Equipment	HazMat Materials & Supplies	Same as Type II	HazMat monitoring equipment Sampling detection kit 4-gas meters Rad monitoring Decontamination equipment 4-gas meter	4-gas meter	
COMMENTS:	A State, local, or private technical rescue team that responds to locate, rescue, and recover individuals trapped in a fallen structure or buried in structural collapse.				
EXAMPLE					

MINE AND TUNNEL S&R TEAM

Resource:		MINE AND TUNNEL SEARCH & RESCUE TEAM			TIER-I
CATEGORY:		Search & Rescue (ESF-9)		KIND:	Team
MINIMUM CAPABILITIES:		Type I	Type II	Type III	Type IV
COMPONENT	METRIC				
Team	Capability	Inactive or Abandoned Mines or Tunnels	Active mines or tunnels under construction		
Team	Personnel	Same as Type II	8 members (at least 5 qualified on breathing apparatus)		

Personnel	Training	<p>Same as Type II plus:</p> <p>Understanding forces involved in technical rope systems</p> <p>Proficiency in the selection and set up of rescue anchors</p> <p>Ability to construct and operate simple and compound mechanical advantage systems, belay systems and lowering systems</p> <p>Proficiency in technical litter evacuations in a vertical environment</p>	<p>20 hour MSHA initial training on use of breathing apparatus</p> <p>Refresher training sessions underground with breathing apparatus at least every 6 months</p> <p>Use and care of auxiliary mine rescue equipment</p> <p>Mine searching and mapping</p> <p>Mine ventilation procedures and equipment</p> <p>Mine firefighting</p> <p>Any advanced mine rescue training and procedures, as described by MSHA</p> <p>Basic First Aid/CPR</p>		
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Equipment	Breathing Apparatus	Same as Type II	<p>6 4-hour self-contained oxygen breathing apparatus and a</p> <p>Any necessary equipment for testing such breathing apparatus before putting it into service</p> <p>1 extra, fully charged, oxygen bottle</p> <p>6 spare coolant canisters compatible with the breathing apparatus</p> <p>1 oxygen pump or cascading system with portable supply of pressurized oxygen to compatible with the breathing apparatus</p>		
Equipment	Lamps	Same as Type II	10 permissible cap lamps and charging rack		
Equipment	Gas Detectors	Same as Type II	2 gas detectors capable of reading oxygen levels, and any flammable or poisonous gases encountered or anticipated at the rescue location		

Equipment	Communications	Same as Type II	1 portable mine rescue communications system at least 1,000 feet in length		
Equipment	Repair	Same as Type II	Necessary spare parts and tools for repairing the breathing apparatus or communications system		
Equipment	Rigging	Same as Type II plus: Full body harness	Head protection compatible with cap lamps Gloves Flame protective outerwear Footwear appropriate to the environment		
Transportation	Resources	Same as Type II	Transportation for all personnel and equipment to mine site		
COMMENTS:					
EXAMPLE					

SURFACE WATER RESCUE TEAM

Resource:		SURFACE WATER RESCUE TEAM			TIER-II
CATEGORY:		Search & Rescue (ESF-9)		KIND:	Team
MINIMUM CAPABILITIES:		Type I	Type II	Type III	Type IV
COMPONENT	METRIC				
COMMENTS:					
EXAMPLE					

SWIFTWATER/FLOOD S&R TEAM

Resource:		FLOOD/SWIFTWATER RESCUE TEAM			TIER-II
CATEGORY:		Search & Rescue (ESF-9)		KIND:	Team
MINIMUM CAPABILITIES:		Type I	Type II	Type III	Type IV
COMPONENT	METRIC				
Equipment					
Personnel	Staffing	22-Total 1-Strike Team Leader 1-Asst Strike Team Leader 1-Logistics Manager 1-Logistics Specialist 1-Planning Team Leader 1-Safety Officer 1-Comm Specialist 1-Tech Info Officer 2-Rescue Squad Officers 10-Flodd/Swiftwater Techs 4-Large Animal Rescue 4-Bost Ops 2-Haz-Mat Tech 2-Medical Specialist	12-Total 1-Strike Team Leader 1-Logistics Manager 1-Planning Officer 1-Safety Officer 1-Comm Specialist 1-Tech Info Officer 1-Rescue Squad Officer 5-Flodd/Swiftwater Techs 2-Large Animal Rescue 2-Bost Ops 1-Haz-Mat Tech 1-Medical Specialist		
Operations	Work Shift	Capable of running two 24-hour operational periods based upon two 12-Hour shifts	Capable of running one 12-Hour shift		
COMMENTS:					
EXAMPLE:					

TECHNICAL RESCUE TEAM (TRT)

Resource:		TECHNICAL RESCUE TEAM (TRT)			TIER-II
CATEGORY:		Search & Rescue (ESF-9)		Kind:	Team
Minimum CAPABILITIES:		Type I	Type II	Type III	Type IV
COMPONENT	METRIC				
Designation		Heavy TRT	Light TRT		
Capability	Incident Type	Heavy, Industrial, Vehicle Extrication, Life safety rope rescue, confined space, trench/excavation	Structural collapse, collapse situations including light frame, light wall, light floor and unreinforced concrete construction		
Equipment		Cache based on mission and the USAR caches	Basic cache needed for operational level		
Personnel	Staffing	8-Firefighters NFPA 1670 Technician: Structural Collapse, Rope Rescue, Confined Space, Vehicle and Machinery, Trench and Excavation *Awareness: Water, Wilderness SAR	6-Firefighters NFPA 1670 Operations: Structural Collapse, Rope Rescue, Confined Space, Vehicle and Machinery, Trench and Excavation; NFPA 1670 *Awareness: Water, Wilderness SAR		
Personnel	Staffing		When deployed as part of an Engine Strike Team, personnel will also meet "Engine, Fire (Pumper)" requirements		
COMMENTS:					
EXAMPLE					

TRENCH RESCUE TEAM

Resource:	TRENCH RESCUE TEAM				TIER-II
Category:	Search & Rescue (ESF-9)			KIND:	
Minimum Capabilities:		Type I	Type II	Type III	Type IV
Component	Metric				
Comments:					
Example					

URBAN SEARCH & RESCUE INCIDENT SUPPORT TEAM

Resource:		URBAN SEARCH & RESCUE INCIDENT SUPPORT TEAM			TIER-I
CATEGORY:		Search & Rescue (ESF-9)		KIND:	
MINIMUM CAPABILITIES:		Type I	Type II	Type III	Type IV
COMPONENT	METRIC				
COMMENTS:					
EXAMPLE					

URBAN SEARCH & RESCUE TASK FORCE

Resource:		URBAN SEARCH & RESCUE TASK FORCES			TIER-I
CATEGORY:		Search & Rescue (ESF-9)		KIND:	
MINIMUM CAPABILITIES:		Type I	Type II	Type III	Type IV
COMPONENT	METRIC				
Personnel	Number of People per Response	70-Person response			
COMMENTS:					
EXAMPLE					

WILDERNESS SEARCH & RESCUE TEAM

Resource:		WILDERNESS SEARCH & RESCUE			TIER-I
CATEGORY:		Search & Rescue (ESF-9)		KIND:	
MINIMUM CAPABILITIES:		Type I	Type II	Type III	Type IV
COMPONENT	METRIC				
COMMENTS:					
EXAMPLE					

BLANK FORMS

BLANK FORM W/OTHER

RESOURCE:						TIER-I
CATEGORY:					KIND:	
MINIMUM CAPABILITIES:		Type I	Type II	Type III	Type IV	Other
COMPONENT	METRIC					
COMMENTS:						
EXAMPLE						

BLANK FORM W/ 4 TYPE COLUMNS

Resource:					TIER-I
CATEGORY:					KIND:
MINIMUM CAPABILITIES:		Type I	Type II	Type III	Type IV
COMPONENT	METRIC				
COMMENTS:					
EXAMPLE					

BLANK FORM W/ 7 TYPE COLUMNS

Resource:							TIER-I		
CATEGORY:							KIND:		
MINIMUM CAPABILITIES:		Type I	Type II	Type III	Type IV	Type V	Type VI	Type VII	
COMPONENT	METRIC								
COMMENTS:									
EXAMPLE									

BLANK FORM W/ 4 TYPE COLUMNS (FEMA NEW STYLE)

RESOURCE NAME		TIER I
DESCRIPTION		
RESOURCE CATEGORY		RESOURCE KIND
OVERALL FUNCTION		COMPOSITION AND ORDERING SPECIFICATIONS

RESOURCE TYPES			TYPE 1	TYPE 2	TYPE 3	TYPE 4
COMPONENT	METRIC/MEASURE	CAPABILITY				
			NOTES:			
			NOTES:			
			NOTES:			
			NOTES:			
			NOTES:			

COMMENTS

REFERENCES

NOTE

BLANK FORM W/ 7 TYPE COLUMNS (FEMA NEW STYLE)

RESOURCE NAME		TIER I
DESCRIPTION		
RESOURCE CATEGORY		RESOURCE KIND
OVERALL FUNCTION		COMPOSITION AND ORDERING SPECIFICATIONS

RESOURCE TYPES			TYPE 1	TYPE 2	TYPE 3	TYPE 4	TYPE 5	TYPE 6	TYPE 7
COMPONENT	METRIC/MEASURE	CAPABILITY							
			NOTES:						
			NOTES:						
			NOTES:						
			NOTES:						

COMMENTS

REFERENCES

NOTE
