

Typed Resource Definitions

Emergency Medical Services Resources



FEMA 508-3
(March 2009)



- Background** The National Mutual Aid and Resource Management Initiative supports the National Incident Management System (NIMS) by establishing a comprehensive, integrated national mutual aid and resource management system that provides the basis to type, order, and track all (Federal, State, and local) response assets.
- Resource Typing** For ease of ordering and tracking, response assets need to be categorized via resource typing. Resource typing is the categorization and description of resources that are commonly exchanged in disasters via mutual aid, by capacity and/or capability. Through resource typing, disciplines examine resources and identify the capabilities of a resource's components (i.e., personnel, equipment, training). During a disaster, an emergency manager knows what capability a resource needs to have to respond efficiently and effectively. Resource typing definitions will help define resource capabilities for ease of ordering and mobilization during a disaster. As a result of the resource typing process, a resource's capability is readily defined and an emergency manager is able to effectively and efficiently request and receive resources through mutual aid during times of disaster.
- Web Site** For more information, you can also refer to the National Mutual Aid and Resource Management Web site located at:
http://www.fema.gov/nims/mutual_aid.shtm.
- Supersedure** This document replaces the Emergency Medical Services resource definition section in *Resource Definitions*, dated May 2005.
- Changes** Document is reformatted. The document has been modified to include definitions and provide clarification on expectations regarding deployment. The description for a "Multi-Patient Medical Transport Vehicle" has been added.



Definitions

Actively involved- Ongoing, active participation with an air medical or EMS-providing entity, organization, or agency.

AEMT- Advanced Emergency Medical Technician

ALS- Advanced Life Support

Ambulance Strike Team- a group of 5 ambulances of the same type with common communications and a leader. It provides an operational grouping of ambulances complete with supervisory element for organization command and control. The strike team may be all ALS or all BLS.

Ambulance Task Force- Any combination of 5 ambulances of different types (can be ALS and BLS), with common communications and a task force leader. This resource typing is used to distinguish between a Task Force of Ambulances and an Emergency Medical Task Force.

BLS- Basic Life Support

EMR- Emergency Medical Responder

EMS Practitioner An individual who is provided the legal authority to function as a certified or licensed EMR, EMT, AEMT, paramedic, nurse or physician by a state or territory

EMT – Emergency Medical Technician

Emergency Medical Task Force- Any combination (within span of control) of resources (e.g., Ambulances, Rescues, Engines, Squads) assembled for a medical mission, with common communications and a leader (supervisor).

EVO- Emergency Vehicle Operator

IFR (Instrument Flight Rules) IFR exists when the pilot, due to meteorological conditions or darkness, is utilizing instrumentation as the sole reference for maintaining flight.

Licensed EMS service—an agency or service that has been inspected and/or verified by the state and granted the legal authority to function as a licensed service providing emergency medical and/or transportation services.

LZ- Landing Zone

NVG- Night Vision Goggles

PPE-Personal Protective Equipment

OSHA 1910.1030- Occupational Safety and Health Administration Standard on Blood Borne Pathogens. The requesting entity should verify potentially hazardous conditions that exist and the responding agency shall provide PPE which are applicable and suitable for the anticipated purpose.

OSHA 1910.134- Occupational Safety and Health Administration Standard on Respiratory



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Protection. The requesting entity should verify potentially hazardous conditions that exist and the responding agency shall provide respiratory PPE which are applicable and suitable for the anticipated purpose.

(Single) Resource— Personnel and major items of equipment, supplies, and facilities available or potentially available for assignment to incident operations and for which status is maintained.

VFR—Visual Flight Rules



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RESOURCE: Air Ambulance (Fixed-Wing)							
CATEGORY:		Health & Medical (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 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 actively involved in the care and transportation of air medical patients. Request for Mutual Aid should specify specialty care services as needed.	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	
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	



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RESOURCE: Air Ambulance (Fixed-Wing)						
CATEGORY: Health & Medical (ESF #8)				KIND: Aircraft/Team		
MINIMUM CAPABILITIES:		TYPE I	TYPE II	TYPE III	TYPE IV	OTHER
COMPONENT	METRIC					
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
COMMENTS:	<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. 					



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RESOURCE: Air Ambulance (Rotary-Wing)						
CATEGORY: Health & Medical (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



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RESOURCE: Air Ambulance (Rotary-Wing)						
CATEGORY: Health & Medical (ESF #8)		KIND: Aircraft/Team				
MINIMUM CAPABILITIES:		TYPE I	TYPE II	TYPE III	TYPE IV	OTHER
COMPONENT	METRIC					
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		
COMMENTS:	<ol style="list-style-type: none"> 1. Security, transportation (including patient care crew to and from LZ of 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. 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. 					



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RESOURCE: Ambulances (Ground)							
CATEGORY:		Health & Medical (ESF #8)			KIND:		Vehicle/Team
MINIMUM CAPABILITIES:		TYPE I	TYPE II	TYPE III	TYPE IV	OTHER	
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		
Personnel	Minimum staff See Notes 3, 4. 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	1 ALS practitioner and 1 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.	1 ALS practitioner and 1 EMT	2 (1 EMT and 1 EMR) 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 (1 EMT and 1 EMR)		



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RESOURCE: Ambulances (Ground)						
CATEGORY: Health & Medical (ESF #8)			KIND: Vehicle/Team			
MINIMUM CAPABILITIES:		TYPE I	TYPE II	TYPE III	TYPE IV	OTHER
COMPONENT	METRIC					
Capability	Patient Care and Transport	2-litter patients	2-litter patients	2-litter patients	2-litter patients	
Equipment and supplies	Equipment needed to meet mission objectives	<p>Range of equipment and supplies commensurate with the mission assignment including personnel protective equipment appropriate to the hazardous material threat.</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</p>	<p>Range of equipment and supplies commensurate with the mission assignment</p> <p>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.</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</p>	<p>Range of equipment and supplies commensurate with the mission assignment</p> <p>PPE consistent with OSHA 1910.134 and 1910.1030 requirements</p>	



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RESOURCE: Ambulances (Ground)							
CATEGORY:	Health & Medical (ESF #8)				KIND:	Vehicle/Team	
MINIMUM CAPABILITIES:		TYPE I	TYPE II	TYPE III	TYPE IV	OTHER	
COMPONENT	METRIC						
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. 						



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RESOURCE: Ambulance Strike Team							
CATEGORY:		Health and Medical (ESF #8)			KIND:		Vehicles/Team
MINIMUM CAPABILITIES:		TYPE I	TYPE II	TYPE III	TYPE IV	OTHER	
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 (1 EMT and 1 EMR) per ambulance/per shift 1 Strike Team Leader per team (5 ambulances) in a separate command vehicle.	2 (1 EMT and 1 EMR) 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	Range of equipment and supplies commensurate with the mission assignment PPE consistent with OSHA 1910.134 and 1910.1030	Range of equipment and supplies commensurate with the mission assignment including personnel protective equipment appropriate to the hazardous	Range of equipment and supplies commensurate with the mission assignment PPE consistent with OSHA		



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RESOURCE: Ambulance Strike Team						
CATEGORY: Health and Medical (ESF #8)				KIND: Vehicles/Team		
MINIMUM CAPABILITIES:		TYPE I	TYPE II	TYPE III	TYPE IV	OTHER
COMPONENT	METRIC					
		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	requirements	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	1910.134 and 1910.1030 requirements	
COMMENTS:	<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. 					



RESOURCE: Ambulance Task Force							
CATEGORY:		Health and Medical (ESF #8)			KIND:	Vehicles/Teams	
MINIMUM CAPABILITIES:		TYPE I	TYPE II	TYPE III	TYPE IV	OTHER	
COMPONENT	METRIC						
Overall Function	<p>Any combination of 5 ambulances of different types (ALS and BLS) with common communications and a leader, in a separate command vehicle.</p> <p>This resource typing is used to distinguish between a Task Force of Ambulances and an Emergency Medical Task Force (any combination of resources).</p>	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					



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RESOURCE: Ambulance Task Force						
CATEGORY: Health and Medical (ESF #8)			KIND: Vehicles/Teams			
MINIMUM CAPABILITIES:		TYPE I	TYPE II	TYPE III	TYPE IV	OTHER
COMPONENT	METRIC					
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>				



RESOURCE: Emergency Medical Task Force							
CATEGORY:		Health and Medical (ESF #8)			KIND:	Vehicles/Team	
MINIMUM CAPABILITIES:		TYPE I	TYPE II	TYPE III	TYPE IV	OTHER	
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					



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RESOURCE: Emergency Medical Task Force						
CATEGORY:	Health and Medical (ESF #8)			KIND:	Vehicles/Team	
MINIMUM CAPABILITIES:		TYPE I	TYPE II	TYPE III	TYPE IV	OTHER
COMPONENT	METRIC					
COMMENTS:	<p>1. Examples of resources include: ALS Ambulances, BLS Ambulances, Air Ambulances, or other EMS response vehicles or teams.</p> <p>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.</p> <p>3. Self-sufficient for 12-hour operational periods, although may be deployed longer, depending on need.</p> <p>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.</p> <p>5. Temperature control support may be required for medical supplies in some environments.</p> <p>6. Vehicle maintenance support required.</p> <p>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.</p> <p>8. Any person driving must be qualified to operate an emergency vehicle.</p> <p>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>					



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RESOURCE		Mass Casualty Support Vehicle				
CATEGORY:		Health and Medical ESF #8			KIND:	Vehicle/Team
MINIMUM CAPABILITIES:		TYPE I	TYPE II	TYPE III	TYPE IV	OTHER
Component	Metric					
Personnel	Personnel deemed capable by the AHJ to perform medical supply support	4 (includes one designated lead)	Same as Type 1	2 (includes one designated lead)		
Equipment to treat/triage patients	Number of patients	100	50	25		
COMMENTS:		<ol style="list-style-type: none"> 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. 2. Self-sufficient for 12-hour operational periods, although may be deployed longer, depending on need. 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. 4. Temperature control support may be required for medical supplies in some environments. 5. Vehicle maintenance support required. 6. Any person driving must be qualified to operate the vehicle. 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. 				



RESOURCE: Multi-Patient Medical Transport Vehicle							
CATEGORY:		Health & Medical (ESF #8)			KIND:	Vehicles/Team	
MINIMUM CAPABILITIES:		TYPE I	TYPE II	TYPE III	TYPE IV	OTHER	
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 Staff	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			



U.S. Department of Homeland Security
Federal Emergency Management Agency

RESOURCE: Multi-Patient Medical Transport Vehicle						
CATEGORY: Health & Medical (ESF #8)			KIND: Vehicles/Team			
MINIMUM CAPABILITIES:		TYPE I	TYPE II	TYPE III	TYPE IV	OTHER
COMPONENT	METRIC					
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:		<p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p>				