

MISSION READY PACKAGE (MRP) HANDBOOK



**A Component of the National Response Framework
ESF 3 Public Works, ESF 4 Firefighting, ESF 5 Information and Planning,
ESF 7 Logistics, ESF 8 Public Health and Medical Services, ESF 9 Search
and Rescue and ESF 10 Hazardous Materials**

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INTRODUCTION

Purpose

The purpose of this document is to describe the Michigan Mutual Aid Box Alarm System (MI-MABAS) response system's utilization of Mission Ready Packages (MRPs) from Fire, Rescue, Special Operations, and Special Equipment, as well as resources available from Michigan Task Force 1. This document details the types of **intra-state** MRPs available, mission capabilities, components of the package, required equipment, logistical requirements, and integration into existing command and control structures.

Background

The ability to deploy validated resources to a large-scale emergency **intra-state** has been a goal of MI-MABAS since its inception. The term "Mission Ready Package" is consistent with National Incident Management System descriptive terminology. The use of MRPs is also consistent with Emergency Management Assistance Compact (EMAC) terminology. EMAC has developed an outline to assist agencies with pre-deployment activities for a component of a response package that facilitates a faster response to a specific **in-state** request. [Emergency Management Assistance Compact](#)

Organizational Design

Mission Ready Packages are specially created resource bundles utilized for emergency and disaster response. MRPs are defined as "specific response resource capabilities that are organized, developed, trained, and exercised prior to an emergency or disaster". These MRPs are designed to provide additional support and/or to augment a needed capability to resources already operating at an incident or event.

- MRPs may also be deployed to provide specific mission capabilities to a requesting agency in support of the Authority Having Jurisdiction (AHJ).
- MRPs are designed for rapid deployment and can be requested, ordered, and tracked effectively during an emergency, when time is of the essence.

MI-MABAS and Agency Requirements

Each Responding Agency ensures that deployed members meet all the requirements for being fully deployable with the personal protective equipment necessary to perform in the environment expected. Each Responding Agency must also ensure that all fire apparatus they send conforms to laws and regulations of the United States, the State of Michigan, and their home municipalities.

LOGISTICS

Deployment

In order to maintain proper notification and resource tracking, all MI-MABAS MRP's must be requested by the Incident Commander or their liaison to either a Divisional Dispatch Center or the RED Center. In addition, the Michigan State Police Special Operations Desk, or a Michigan State Police EMHSD Representative (SEOC or District Coordinator) may request a MI-MABAS MRP through the RED Center. For activations through the RED Center, the MI-MABAS Activation Group will be notified after obtaining the required information and the appropriate MRP will be selected based on the requested capability, location of the request, and availability of resources.

The Activation Group will identify a Deployment Coordinator (DC) who will act remotely as a liaison between the Incident Commander and the responding MRP. The Deployment Coordinator is responsible for communicating all necessary information to the Team Leader (aka Strike Team or Task Force Leader) of the MRP while they are enroute to the incident.

The DC will maintain radio communications with the MRP Team Leaders on the assigned MABAS channel. The DC will maintain a 214 Activity Log of the incident along with all necessary incident documentation. The MRP Team Leaders will also maintain a 214a Personal/Team Activity Log and all responding units and personnel will complete a 211a Unit Check-In form provided by the DC.

The coordination of responding MRPs, routing, and updated SITREPs while enroute are additional responsibilities of the DC. The DC will remain in contact with deployed Team Leaders through any assigned operational period and coordinate any future resource requests by the local IC/AHJ.

Mobilization

MI-MABAS has an Emergency Response Plan [MI-MABAS EMERGENCY RESPONSE PLAN V14 - Update 2025](#) that describes the actions that must occur from receipt of an alert or activation until the MRP has reached the designated reporting location. Detailed planning is required to ensure an efficient response.

Arrival at the Assigned Locality/Jurisdiction

Upon arrival of the MRP at the staging location or the Incident, the MRP Leader should attend a briefing with the Incident Commander or their representative to determine the current situation status and planned assignment.

This briefing should include the following information:

- Chain of Command
- Reporting chain & requirements
- Communications Plan
- Past and Current Operations
- MRP Operational Expectations
- MRP Operational Period
- Logistical Support for the MRP
- Media Management Procedures

Work Period Scheduling and Rotations

The Incident Commander will need to determine how MRPs will be deployed at the onset of mission operations. MRPs are designed to engage in single operational periods typically not exceeding 12-hours. If the MRP is required to operate for multiple operational periods, a MI-TF1 Logistical Incident Support MRP may be deployed.

Cost Recovery

MI-MABAS MRPs will follow MI-MABAS-MEMAC Reimbursement [MI-MABAS MEMAC Reimbursement Form 09142022.xlsx](#) and Guidelines [MI-MABAS-MEMAC Reimbursement Guidance 2022 \(1\).pdf](#).

Non-MABAS entities or Divisions without a signed Amended (2016) MI-MABAS Agreement that are requesting a MABAS Special Operations MRP will be required to sign the MABAS [NON MABAS Agreement.pdf](#).

EQUIPMENT/TRAINING COMPETENCIES/PHYSICAL REQUIREMENTS

All participating agencies shall be responsible for obtaining and maintaining, all licenses, permits, certificates, and governmental authorizations for its participating personnel, vehicles & equipment to perform all of their obligations under any response. All personnel and agencies participating in the Plan shall comply with all federal and state laws, rules, regulations and orders applicable to participation in the Plan.

All participating agencies agree that they shall only deploy responders that are in acceptable physical condition to safely perform the duties of their position (fit for duty).

PERSONNEL RESOURCE	MINIMUM TRAINING CREDENTIALS
Fire Officer	<ul style="list-style-type: none"> • MFFTC Firefighter II Certification • MFFTC Fire Officer I Certification • ICS 100, 200, 700, 800 • HazMat Operations
Fire Apparatus Operator	<ul style="list-style-type: none"> • MFFTC Firefighter I or II Certification • ICS 100, 200, 700, 800 • HazMat Operations • PA 300 Driver/Operator Signoff
Firefighter	<ul style="list-style-type: none"> • MFFTC Firefighter I or II Certification • ICS 100, 200, 700, 800 • HazMat Operations
Fire Strike Team/Task Force Leader	<ul style="list-style-type: none"> • MFFTC Firefighter II Certification • MFFTC Fire Officer II Certification • ICS 100, 200, 300, 700, 800 • HazMat Operations

Note: In addition to the minimum training credentials listed, all personnel shall comply with the minimum requirements in the MIOSHA General Industry Standards Part 74 Firefighting.

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CATEGORY I FIRE, RESCUE, EMS BASED MISSION READY PACKAGES

MI-MABAS Engine Strike Team Mission Ready Package

RESOURCE:	Engine Strike Team		
RESOURCE CATEGORY:	Firefighting (ESF #4); Hazmat (ESF #10)	KIND:	Team
DESCRIPTION:	The Engine Strike Team is a specialized collection of five (5) engines of the same type with common communications and a leader. This team provides a collection of engines complete with a supervisory element for organization command and control.		
OVERALL FUNCTION:	The Engine Strike Team provides fire management and suppression support in structural firefighting situations and other emergency operations	COMPOSITION & ORDERING SPECIFICATIONS:	5 - Fire Engines, each staffed with an Officer, Apparatus Operator and a minimum of 1 Firefighter (2 FF's Preferred) 1 - Command Officer in Command Vehicle 1 - Command Support Personnel (recommended) 16-22 Personnel

CAPABILITIES:			NOTES:
COMPONENT:	METRIC:	DETAILS:	
Personnel	Strike Team Leader	1 - Strike Team Leader	Fire Officer II
Personnel	Per Engine	1 - Company Officer 1 - Fire Apparatus Operator 1 to 2 - FireFighters (Structural)	Fire Officer I All Fire Fighter II Certified
Vehicle	Transportation	1 Command Vehicle	
Vehicle	Firefighting Apparatus	5 – Type I Fire Engines with minimum of; <ul style="list-style-type: none"> • Pump Capacity \geq 1000 GPM • Tank Capacity \geq 400 Gallons • Hose 2.5" or Larger \geq 1200' • Hose 1.5" or 1.75" \geq 400' 	
Equipment	Materials and Supplies	Discipline specific equipment to accomplish the mission objectives to include: Structural Firefighting PPE SCBA Communications-Ability to communicate on the State 800mhz system (strongly recommend added MABAS Talkgroups) Incidents with multiple operational periods may require the deployment of MI-TF1's Logistical Incident Support MRP that includes a trailer and two support personnel for 72 hour self-sustainment to include PPE, food, water, shelter and fuel.	Deploying personnel should be prepared for an incident that extends past one operational period and should consider items such as medication, person hygiene items and extra clothing,

MI-MABAS Ambulance Strike Team Mission Ready Package

RESOURCE:	Ambulance Strike Team		
RESOURCE CATEGORY:	Public Health and Medical Services (ESF #8)	KIND:	Team
DESCRIPTION:	The Ambulance Strike Team is a group of five (5) ambulances, with common communications and a leader in a separate command vehicle. This team provides an operational group of ambulances complete with a supervisory element for organization command and control.		
OVERALL FUNCTION:	The Ambulance Strike Team comprises EMS personnel that provide out-of-hospital emergency medical care, evacuation, and transportation services	COMPOSITION & ORDERING SPECIFICATIONS:	5 - Ambulances State Licensed to BLS or ALS 1- Command Officer in Command Vehicle 11 Personnel

CAPABILITIES:			NOTES:
COMPONENT:	METRIC:	DETAILS:	
Personnel	Strike Team Leader	1 - Strike Team Leader	Fire Officer II
Personnel	Per Ambulance	2 - State Licensed EMT or Higher	Deploying personnel should be prepared for an incident that extends past one operational period and should consider items such as medication, person hygiene items and extra clothing,
Vehicle	Transportation	1 - Command Vehicle	
Vehicle	Transportation	5 - State Licensed BLS or higher Ambulances (ALS preferred)	Ambulance licensed and equipped as required by the State of Michigan and OSHA
Equipment	Materials and Supplies	Requisite equipment to meet the requirements of licensure from the State of Michigan	
Equipment	Communications	Communications-Ability to communicate on the State 800mhz system (strongly recommend added MABAS Talkgroups)	

MI-MABAS Water Tender (Tanker) Strike Team Mission Ready Package

RESOURCE:	Water Tender Strike Team		
RESOURCE CATEGORY:	Firefighting (ESF #4); Hazmat (ESF #10)	KIND:	Team
DESCRIPTION:	The Water Tender Strike Team is a specialized collection of five (5) Type I Water Tenders with common communications and a leader in a separate command vehicle. This team provides a collection of Water Tenders complete with a supervisory element for organization command and control.		
OVERALL FUNCTION:	The Water Tender Strike Team provides fire management and suppression support in structural firefighting situations and other emergency operations through water supply.	COMPOSITION & ORDERING SPECIFICATIONS:	5 - Type I Water Tenders, each staffed with 1 Fire Apparatus Operator and 1 Firefighter 1 - Command Officer in Command Vehicle 11 Personnel

CAPABILITIES:			NOTES:
COMPONENT:	METRIC:	DETAILS:	
Personnel	Strike Team Leader	1 - Strike Team Leader	Fire Officer II
Personnel	Per Water Tender	1 - Fire Apparatus Operator 1 - Firefighter	Apparatus Operator meets MFFTC Emergency Driving requirements and all Fire Fighter II Certified
Vehicle	Transportation	1 Command Vehicle	
Vehicle	Firefighting Apparatus	5 - Type I Water Tenders with minimum of; <ul style="list-style-type: none"> Tank Capacity \geq 2000 Gallons Pump Capacity \geq 250 GPM 	
Equipment	Materials and Supplies	Discipline specific equipment to accomplish the mission objectives to include: Structural Firefighting PPE Communications -Ability to communicate on the State 800mhz system (strongly recommend MABAS Talkgroups) Incidents with multiple operational periods may require the deployment of MI-TF1's Logistical Incident Support MRP that includes a trailer and two support personnel for 72 hour self-sustainment to include personal protective equipment, food, water, shelter and fuel.	Deploying personnel should be prepared for an incident that extends past one operational period and should consider items such as medication, person hygiene items and extra clothing,

MI-MABAS Fire Task Force Mission Ready Package

RESOURCE:	Fire Task Force		
RESOURCE CATEGORY:	Firefighting (ESF #4); Hazmat (ESF #10)	KIND:	Team
DESCRIPTION:	The Fire Task Force Team is a specialized collection of 3 Engines, 1 Aerial, 1 Ambulance, and 1 Command Officer, with common communications and a leader in a separate command vehicle.		
OVERALL FUNCTION:	The Fire Task Force provides fire management and suppression support in structural firefighting situations and other emergency operations	COMPOSITION & ORDERING SPECIFICATIONS:	3 - Type I Fire Engines, each staffed with a Fire Officer I, Apparatus Operator and 1 or 2 Firefighters. 1 - Type I Aerial staffed with an Officer, Apparatus Operator and 1 or 2 Firefighters 1 - State Licensed Ambulance BLS or higher (ALS Preferred) 1 - Command Officer in Command Vehicle 1 - Command Support is suggested (Recommended) 15-20 Personnel

CAPABILITIES:			NOTES:
COMPONENT:	METRIC:	DETAILS:	
Personnel	Strike Team Leader	1 - Strike Team Leader	Fire Officer II
Personnel	Per Engine/Aerial	1 - Company Officer 1 - Fire Apparatus Operator 1 to 2 - FireFighters (Structural)	Fire Officer I Apparatus Operator meets MFFTC Emergency Driving requirements and all Fire Fighter II Certified
Personnel	Per Ambulance	2 - State Licensed EMT or higher	Staffing based on ambulance state licensure level
Vehicle	Transportation	1 - Command Vehicle	
Vehicle	Firefighting Apparatus	3 - Type I Fire Engines with minimum of; <ul style="list-style-type: none"> • Pump Capacity \geq 1000 GPM • Tank Capacity \geq 400 Gallons • Hose 2.5" or Larger \geq 1200' • Hose 1.5" or 1.75" \geq 400' 	*At least one apparatus within the Fire Task Force must be equipped with a complement of extrication equipment, including but not limited to 1 – Spreader, 1 - Cutter and vehicle stabilization equipment
Vehicle	Firefighting Apparatus	1 - Type I Fire Aerial with minimum of; <ul style="list-style-type: none"> • Platform or Straight Ladder \geq 75' • Pump Capacity \geq 500 GPM • Ground Ladders \geq 115' 	
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Equipment	Materials and Supplies	<p>Discipline specific equipment to accomplish the mission objectives to include:</p> <p>Structural Firefighting PPE</p> <p>SCBA</p> <p>Communications</p> <p>Incidents with multiple operational periods may require the deployment of Logistical Incident Support MRP that includes a trailer and two support personnel for 72 hour self-sustainment to include personal protective equipment, food, water, shelter and fuel.</p>	Deploying personnel should be prepared for an incident that extends past one operational period and should consider items such as medication, person hygiene items and extra clothing,
Equipment	Communications	The ability to communicate on the State of Michigan 800mhz system (strongly recommend MABAS Talkgroups)	

MI-MABAS Brush Strike Team Mission Ready Package

RESOURCE:	Brush Strike Team		
RESOURCE CATEGORY:	Firefighting (ESF #4); Hazmat (ESF #10)	KIND:	Team
DESCRIPTION:	The Brush Truck Strike Team is a specialized collection of five (5) Type I Brush Trucks with common communications and a leader in a separate command vehicle. This team provides a collection of Brush trucks complete with a supervisory element for organization command and control.		
OVERALL FUNCTION:	The Brush Truck Strike Team provides fire management and suppression support in wildland firefighting situations and other emergency operations.	COMPOSITION & ORDERING SPECIFICATIONS:	5 - Type I Brush Trucks, each staffed with an Officer, Apparatus Operator. 1 - Command Officer in Command Vehicle 11 Personnel

CAPABILITIES:			NOTES:
COMPONENT:	METRIC:	DETAILS:	
Personnel	Strike Team Leader	1 - Strike Team Leader	NIMS Type 2 Fire Officer or Strike Team Leader
Personnel	Per Brush Truck	1 - Firefighter 1 - Fire Apparatus Operator	All Fire Fighter I Minimum Apparatus Operator meets MFFTC Emergency Driving requirements
Vehicle	Transportation	1 - Command Vehicle	
Vehicle	Firefighting Apparatus	5 - Type I Brush Trucks with minimum of; <ul style="list-style-type: none"> • Pump Capacity \geq 15 GPM • Tank Capacity \geq 75 Gallons • Hose 1" \geq 150' 	
Equipment	Materials and Supplies	Discipline specific equipment to accomplish the mission objectives to include: Structural Firefighting PPE SCBA Communications Incidents with multiple operational periods may require the deployment of Logistical Incident Support MRP that includes a trailer and two support personnel for 72 hour self-sustainment to include personal protective equipment, food, water, shelter and fuel.	Deploying personnel should be prepared for an incident that extends past one operational period and should consider items such as medication, person hygiene items and extra clothing,
Equipment	Communications	The ability to communicate on the State of Michigan 800mhz system (strongly recommend MABAS Talkgroups)	

MI-MABAS 10 Member Crew Transport Mission Ready Package

RESOURCE:	Crew Transport (Firefighting Crew)		
RESOURCE CATEGORY:	Firefighting (ESF #4); Hazmat (ESF #10)	KIND:	Special Equipment
DESCRIPTION:	Crew Transport MRP provides transportation only for at least 10 Firefighter II personnel with structural PPE and required equipment.		
OVERALL FUNCTION:	The Crew Transport MRP is designed to provide the transportation of at least 10 Firefighters and all the required PPE and gear.	COMPOSITION & ORDERING SPECIFICATIONS:	1 - Vehicle(s) capable of transporting 10 Firefighters and all the required PPE and gear.

CAPABILITIES:			NOTES:
COMPONENT:	METRIC:	DETAILS:	
Personnel	Vehicle Driver	1 - Crew Transport Driver(s)	
Vehicle	Transportation	1 - Crew Transport Vehicle(s)	
Equipment	Communications	The ability to communicate on the State of Michigan 800mhz system (strongly recommend MABAS Talkgroups)	

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CATEGORY II

MICHIGAN TASK FORCE 1 MISSION READY PACKAGES

MI-TF1 Type III Urban Search and Rescue Task Force Mission Ready Package

RESOURCE:	Type III Urban Search and Rescue Task Force (NIMS Resource Typing 8-508-1160)		
RESOURCE CATEGORY:	Search and Rescue (ESF #9)	KIND:	Type III USAR Task Force
DESCRIPTION:			
OVERALL FUNCTION:	Coordinate and conduct search and rescue response efforts for all hazards, including locating, accessing, medically stabilizing, and extricating survivors from the damaged structures of heavy frame, reinforced concrete, high-angle rope rescue, permit required confined space, trench/excavation, wide area search, HASTY Search and damage assessments.	COMPOSITION & ORDERING SPECIFICATIONS:	35 - personnel with elements of Command, Search, Rescue, HazMat, Medical, Support and Specialty functions 10 - additional support personnel assigned for drivers and mission support

CAPABILITIES:			NOTES:
COMPONENT:	METRIC:	DETAILS:	
Personnel	Team Leader	1 - Task Force Leader 1 - Safety Officer	
Personnel	Search Team	1 - Search Team Manager 2 - Certified Canine - Live Find with Certified Canine Handler 1 - Technical Search Specialist	Ensure the requesting agency is capable of providing 24-hour emergency veterinary care.
Personnel	Medical Specialist	1 - Medical Team Manager 2 - Medical Specialist	ALS Capable
Personnel	Rescue Specialist	1 - Rescue Team Manager 2 - Rescue Squad Officers 10 - Rescue Specialists 1 - HazMat Team Manager 4 - HazMat Specialist 1 - Heavy Rigging Specialist	GPS and Mapping Decontamination Technical Rescue
Personnel	Support	1 - Logistics Team Manager 2 - Logistics Specialist 1 - Plans Team Manager 1 - COMMST 1 - Technical Information Specialist 1 - Structure Specialist	
Vehicle	Transportation	Vehicle(s) capable of transporting equipment and personnel.	
Equipment	Materials and supplies	Self-sustaining for 72 hours to include personal protective equipment, food, water, shelter to accomplish the mission objectives.	

Cost Recovery Estimate	Type III USAR Task Force	<p>Hourly rate: \$1,594.75 for 35 personnel</p> <p>All equipment is grant purchased so only lost, stolen or damaged equipment will be charged plus consumables.</p> <p>Travel time will not be charged for cost recovery.</p>	<p>All hourly rates are based on FEMA rates, plus 15% for fringe benefits.</p> <p>Support Personnel = 10</p> <p>Eight hour on scene estimate: \$12,758.00</p>
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MI-TF1 Search Mission Ready Package

RESOURCE:	MI-TF1 Search Team		
RESOURCE CATEGORY:	Search and Rescue (ESF #9)	KIND:	Search
OVERALL FUNCTION:	A team that performs multiple, simultaneous canine and technical searches (detection and location) for survivors and/or human remains. Can assist with search management and documentation of searched areas.	COMPOSITION & ORDERING SPECIFICATIONS:	<p>8 - Personnel with elements of Command, Search, Structural Specialists and Support.</p> <p>Law enforcement and Medical support, re-supply and shelter for the team must be provided by the requesting agency for the first day of operations.</p>

CAPABILITIES:			NOTES:
COMPONENT:	METRIC:	DETAILS:	
Personnel	Team Leader	1 - US&R Search Team Manager	
Personnel	Search Technician	2 - US&R Technical Search Technicians	
Personnel	Canine Search	2 - US&R Canine Search Specialists	
Personal	Structural Specialist	1 - US&R Structures Specialist	
Personnel	Support	2 - Support Personnel	Should have certifications to include, but not limited to: STM, TSS, TIS, CSST, Rescue Spec. Shall have ability to use GPS and manage GPS data including mapping skills.
Vehicles	Transportation	Vehicle(s) capable of transporting personnel and equipment.	2 - 4WD pickup trucks or 1 - 4WD pickup and 1 other type vehicle with closed trailer preferred.
Equipment	Materials and supplies	<p>Discipline specific equipment to accomplish the mission objectives to include:</p> <p>GPS</p> <p>Laptop with wireless internet capability and air card for connectivity</p> <p>Mapping software</p> <p>Visual search (cameras)</p> <p>Listening devices (search)</p> <p>Search marking capability (stickers/paint)</p> <p>Incidents with multiple day operations will require the deployment of Logistical Incident Support MRP that includes a trailer and two support personnel for 72 hour self-sustainment to include personal protective equipment, food, water, shelter and fuel.</p>	Basic communications equipment for communications with the command element to be provided by the Requesting Agency.

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Cost Recovery Estimate	Search Team Manager Tech Search Specialist x 2 Canine Search Specialist x2 Structure Specialist	Hourly rate: \$51.75 Hourly rate: \$40.25 Hourly rate: \$40.25 Hourly rate \$57.50 Travel time will not be charged for cost recovery.	All hourly rates are based on FEMA rates, plus 15% for fringe benefits. Eight hour on scene estimate: \$2,486 No cost – one (1) additional support person for driver/mission support and one (1) MRP Team Leader
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MI-TF1 Logistics Support Mission Ready Package

RESOURCE:	MI-TF1 Logistics Support Team		
RESOURCE CATEGORY:	Search and Rescue (ESF #9)	KIND:	Logistics
OVERALL FUNCTION:	A team that performs incident logistics support provides self-sustainment for 72 hours to include personal protective equipment, shelter, food, water, and fuel.	COMPOSITION & ORDERING SPECIFICATIONS:	1 Logistics Team Manager 1 Logistics Specialists Law enforcement and Medical support, re-supply and shelter for the team must be provided by the requesting agency for the first day of operations.

CAPABILITIES:			NOTES:
COMPONENT:	METRIC:	DETAILS:	
Personnel	Team Leader	1 - FEMA Logistics Team Manager	
Personnel	Logistics Specialist	1 - FEMA Logistics Specialist	
Vehicle	Transportation	Vehicle(s) capable of transporting personnel and equipment.	4WD Pickup capable of pickup and delivery of supply resources preferred.
Equipment	Materials and supplies	Discipline specific equipment to support incidents with multiple day operations for 72 hour self-sustainment to include: <ul style="list-style-type: none"> • personal protective equipment • food • water • shelter • fuel 	Basic communications equipment for communications with the command element to be provided by the Requesting Agency.
Cost Recovery Estimate	Logistics Team Manager Logistics Specialist	Hourly rate: \$51.75 Hourly rate: \$40.25 Travel time will not be charged for cost recovery.	All hourly rates are based on FEMA rates, plus 15% for fringe benefits. Eight hour on scene estimate: \$736 No cost –one (1) MRP Team Leader

MI-TF1 Medical Support Mission Ready Package

RESOURCE:	MI-TF1 Medical Support Team		
RESOURCE CATEGORY:	Search and Rescue (ESF #9)	KIND:	Medical
OVERALL FUNCTION:	Medical support for System task force(s) or Mission Ready Package(s) already in place or being deployed.	COMPOSITION & ORDERING SPECIFICATIONS:	<p>1 - Medical Team Manager 2 - Medical Specialist</p> <p>The medical support team will need accurate task information in order to determine the medical equipment required to be on hand.</p> <p>Under whose license the medical support team will operate must be pre- identified.</p> <p>Law enforcement and Medical support, re-supply and shelter for the team must be provided by the requesting agency for the first day of operations.</p>

CAPABILITIES:			NOTES:
COMPONENT:	METRIC:	DETAILS:	
Personnel	Team Leader	1 - US&R Medical Team Manager	
Personnel	Support Personnel	2 - US&R Medical Specialists	
Vehicle	Transportation	Vehicle(s) capable of transporting personnel and equipment.	
Equipment	Materials and supplies	<p>Discipline specific equipment to accomplish the mission objectives to include:</p> <ul style="list-style-type: none"> • Medical BLS/Specialized US&R medication • ALS combination bag with O2 and monitor • Other supplies such as essential BLS equipment (e.g., immobilization / splinting material) depend on local resources provided. <p>Incidents with multiple day operations will require the deployment of Logistical Incident Support MRP that includes a trailer and two support personnel for 72 hour self-sustainment to include personal protective equipment, food, water, shelter and fuel.</p>	<p>If a medical support team is requested to support an existing response, a significant portion of a task force medical cache may also be required.</p> <p>Basic communications equipment for communications with the command element to be provided by the Requesting Agency.</p>
Cost Recovery Estimate	Medical Team Manager Medical Specialist x 2	<p>Hourly rate: \$97.75</p> <p>Hourly rate: \$40.25</p> <p>Travel time will not be charged for cost recovery.</p>	<p>All hourly rates are based on FEMA rates, plus 15% for fringe benefits</p> <p>Eight hour on scene estimate: \$1,426</p> <p>No cost - one (1) additional support person for driver/mission support and one (1) MRP Team Leader</p>

MI-TF1 Structures Specialist Mission Ready Package

RESOURCE:	MI-TF1 Structural Specialist Advisory Module		
RESOURCE CATEGORY:	Search and Rescue (ESF #9)	KIND:	Structural
OVERALL FUNCTION:	<p>Resource provides engineering input for a host agency which either does not have its own integrated structural engineering capability or needs additional support.</p> <p>Provide build collapse, damage and/or stability assessment.</p> <p>Provide trench collapse assessment.</p>	COMPOSITION & ORDERING SPECIFICATIONS:	<p>2 - Structures Specialists</p> <p>The primary mission for this module is engineering advice and liaison services for an Incident Support Team or an Incident Management Team.</p> <p>Law enforcement and Medical support, re-supply and shelter for the team must be provided by the requesting agency for the first day of operations.</p>

CAPABILITIES:			NOTES:
COMPONENT:	METRIC:	DETAILS:	
Personnel	Structural Specialist	2 - US&R Structures Specialists or 2 - USACE US&R Structures Specialists	Depending on incident needs, only one structural specialist may be needed.
Vehicles	Transportation	Vehicle capable of transporting personnel and equipment.	
Equipment	Materials and supplies	<p>Engineering tools suitable for assignment.</p> <p>Incidents with multiple day operations will require the deployment of Logistical Incident Support MRP that includes a trailer and two support personnel for 72 hour self-sustainment to include personal protective equipment, food, water, shelter and fuel.</p>	Basic communications equipment for communications with the command element to be provided by the Requesting Agency.
Cost Recovery Estimate	Structures Specialist x 2	<p>Hourly rate: \$57.50</p> <p>Travel time will not be charged for cost recovery.</p>	<p>All hourly rates are based on FEMA rates, plus 15% for fringe benefits.</p> <p>Eight hour on scene estimate: \$920</p> <p>No cost - one (1) additional support person for driver/mission support and one (1) MRP Team Leader</p>

MI-TF1 Technical Rescue Mission Ready Package

RESOURCE:	MI-TF1 Technical Rescue Team		
RESOURCE CATEGORY:	Search and Rescue (ESF #9)	KIND:	Technical Rescue
OVERALL FUNCTION:	A team that performs rescue for survivors. Can assist with technical rescues.	COMPOSITION & ORDERING SPECIFICATIONS:	1 - Rescue Team Mgr 1 - Rescue Squad Officer 5 - Rescue Specialists Law enforcement and Medical support, re-supply and shelter for the team must be provided by the requesting agency for the first day of operations.

CAPABILITIES:			NOTES:
COMPONENT:	METRIC:	DETAILS:	
Personnel	Rescue Manager	1 - US&R Rescue Team Manager	
Personnel	Squad Officer	1 - US&R Rescue Squad Officer	
Personnel	Rescue Technicians	5 - US&R Rescue Specialist	
Personnel	Support	2 - US&R Support Personnel	Should have certifications to include, but not limited to: Rigger and Logistics. Should be cross-trained but could deploy with (1) each Rigger and Logistics.
Vehicles	Transportation	Vehicle(s) capable of transporting personnel and equipment.	2 - 4WD pick-up trucks, with extended cab, or 1 - 4WD pickup and 1 other type vehicle with closed trailer preferred.
Equipment	Materials and supplies	Discipline specific equipment to accomplish the mission objectives to include: <ul style="list-style-type: none"> • GPS • Laptop with wireless internet capability and air card for connectivity • Assorted forcible entry hand tools • Hand lights • Small portable generator(s) Incidents with multiple day operations will require the deployment of Logistical Incident Support MRP that includes a trailer and two support personnel for 72 hour self-sustainment to include personal protective equipment, food, water, shelter and fuel.	Basic communications equipment for communications with the command element to be provided by the Requesting Agency.
Cost Recovery Estimate	Rescue Team Manager Rescue Squad Officer Rescue Specialist x 5	Hourly rate: \$51.75 Hourly rate: \$46.00 Hourly rate: \$40.25 Travel time will not be charged for cost recovery.	All hourly rates are based on FEMA rates, plus 15% for fringe benefits. Eight hour on scene estimate: \$2,392 No cost - (2) additional support person for driver/mission support and one (1) MRP Team Leader

MI-TF1 Type I Swiftwater/Flood Search and Rescue Team Mission Ready Package

RESOURCE:	Swiftwater/Flood Search and Rescue Team (NIMS Resource Typing 8-508-1020)		
RESOURCE CATEGORY:	Search and Rescue (ESF #9)	KIND:	Water Rescue
OVERALL FUNCTION:	<p>The Swiftwater/Flood SAR team:</p> <ol style="list-style-type: none"> 1. Search and rescue individuals who may be injured or in need of medical attention 2. Provides Advanced Life Support (ALS) 3. Transports humans and animals to the nearest safe location 4. Provides shore-based and water-based rescue 5. Provides companion animal rescue 6. Supports helicopter rescue operations 7. Operates in environments with or without infrastructure with limited availability of shelter, food, and water 	COMPOSITION & ORDERING SPECIFICATIONS:	<p>2 - Task Force Leaders</p> <p>4 - Rescue Boat Operators</p> <p>4 - Rescue Boat Bowmen</p> <p>1 - Companion Animal</p> <p>Rescue</p> <p>1 - Logistics Specialist</p> <p>1 - Communications Specialist</p> <p>1 - Medical Specialist</p> <p>Law enforcement and Medical support, re-supply and shelter for the team must be provided by the requesting agency.</p>

CAPABILITIES:			NOTES:
COMPONENT:	METRIC:	DETAILS:	
Personnel	Team Leader	2 - Task Force Leaders - Swiftwater SAR Leader	
Personnel	Rescue Boat Operator	4 - Boat Operator - Swiftwater Technician	
Personnel	Rescue Boat Bowman	4 - Boat Bowman - Swiftwater Technician	
Personnel	Companion Animal Rescue Technicians	1 - Animal Rescue - Swiftwater Technician	
Personnel	Logistics Specialist	1 - Logistics Specialists - Swiftwater Technician	
Personnel	Communications Specialist	1 - Comms - Swiftwater Technician	
Personnel	Medical Specialist	3 - Paramedic - Swiftwater Technician	
Vehicles	Transportation	4 - Rescue Boats (minimum) and vehicles to transport personnel and equipment.	Boat type selected should be based on anticipated mission assignment.
Equipment	Materials and supplies	<p>Discipline specific equipment to accomplish the mission objectives to include:</p> <ul style="list-style-type: none"> • GPS • Decontamination Equipment • Rescue Equipment • Rope Equipment • Patient Care Equipment <p>Incidents with multiple day operations will require the deployment of Logistical Incident Support MRP that includes a trailer and two support personnel for 72 hour self-sustainment to include personal protective equipment, food, water, shelter and fuel.</p>	Basic communications equipment for communications with the command element to be provided by the Requesting Agency.

Cost Recovery Estimate	Task Force Leader x 2 Rescue Boat Operator x 4 Rescue Boat Bowmen x 4 Animal Rescue Specs x 1 Logistics Specialist x 1 Comms Specialist x 1 Medical Specialists x 1	Hourly rate: \$57.50 Hourly rate: \$46.00 Hourly rate: \$40.25 Hourly rate: \$40.25 Hourly rate: \$40.25 Hourly rate: \$40.25 Hourly rate: \$40.25 Hourly rate: \$40.25 Total hr rate: \$621.00	All hourly rates are based on FEMA rates, plus 15% for fringe benefits. Eight hour on scene estimate: \$4,968 No cost - four (4) additional support personnel for driver/mission support
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MI-TF1 Type III Swiftwater/Flood Search and Rescue Team Mission Ready Package

RESOURCE:	Swiftwater/Flood Search and Rescue Team (NIMS Resource Typing 8-508-1020)		
RESOURCE CATEGORY:	Search and Rescue (ESF #9)	KIND:	Water Rescue
OVERALL FUNCTION:	The Swiftwater/Flood SAR team: 1. Search and rescue individuals who may be injured or in need of medical attention 2. Provides Basic Life Support (BLS) 3. Transports humans and animals to the nearest safe location 4. Provides shore-based and water-based rescue 5. Provides companion animal rescue 6. Supports helicopter rescue operations 7. Operates in environments with or without infrastructure with limited availability of shelter, food, and water	COMPOSITION & ORDERING SPECIFICATIONS:	1 - Task Force Leaders 2 - Rescue Boat Operators 2 - Rescue Boat Bowmen 1 - Swiftwater Tech-Logistics Specialist 2 - Swiftwater Tech/EMT Law enforcement and Medical support, re-supply and shelter for the team must be provided by the requesting agency.

CAPABILITIES:			NOTES:
COMPONENT:	METRIC:	DETAILS:	
Personnel	Team Leader	1 - Task Force Leader - Swiftwater SAR Leader	
Personnel	Rescue Boat Operator	2 - Boat Operator - Swiftwater Technician	
Personnel	Rescue Boat Bowman	2 - Boat Bowman - Swiftwater Technician	
Personnel	Logistics Specialist	1 - Logistics Specialists - Swiftwater Technician	
Personnel	Emergency Medical Technician	2 - EMT - Swiftwater Technician	
Vehicles	Transportation	2 - Rescue Boats (minimum) and vehicles to transport personnel and equipment.	Boat type selected should be based on anticipated mission assignment.
Equipment	Materials and supplies	Discipline specific equipment to accomplish the mission objectives to include: <ul style="list-style-type: none"> GPS Decontamination Equipment Rescue Equipment Rope Equipment Patient Care Equipment Incidents with multiple day operations will require the deployment of Logistical Incident Support MRP that includes a trailer and two support personnel for 72 hour self-sustainment to include personal protective equipment, food, water, shelter and fuel.	Basic communications equipment for communications with the command element to be provided by the Requesting Agency.

Cost Recovery Estimate	Task Force Leader x 1 Rescue Boat Operator x 2 Rescue Boat Bowmen x 2 Logistics Specialist x 1 Swiftwater Tech/EMT - x 2	Hourly rate: \$57.50 Hourly rate: \$46.00 Hourly rate: \$40.25 Hourly rate: \$40.25 Hourly rate: \$40.25 Total hourly rate: \$350.75	All hourly rates are based on FEMA rates, plus 15% for fringe benefits. Eight hour on scene estimate: \$2,806 No cost - four (4) additional support personnel for driver/mission support
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MI-TF1 Incident Technical Support Mission Ready Package

RESOURCE:	MI-TF1 Incident Technical Support Team		
RESOURCE CATEGORY:	Search and Rescue (ESF #9)	KIND:	Technical Rescue
OVERALL FUNCTION:	<p>A team that assists with complex technical incidents in an advisory capacity.</p> <p>The Command Section of the Advance Team (TFL, PTM, LTM and Liaison) will meet with the Authority Having Jurisdiction and Incident Commander to obtain a situational status report.</p> <p>The RTM and STM shall make a Search and Rescue assessment.</p> <p>The SO, StS and HMTM shall develop an all hazards assessment.</p> <p>They will complete an all-hazards assessment of the scene or a specific element if requested and advise the Incident Commander.</p>	COMPOSITION & ORDERING SPECIFICATIONS:	<p>Law enforcement and Medical support, re-supply and shelter for the team must be provided by the requesting agency for the first day of operations.</p>

CAPABILITIES:			NOTES:
COMPONENT:	METRIC:	DETAILS:	
Personnel	Task Force Leader	1 Task Force Leader	\$57.50 – FEMA rate +15%
Personnel	Planning Team Manager	1 Planning Team Manager	51.75
Personnel	Logistics Team Manager	1 Logistics Team Manager	51.75
Personnel	Liaison Officer	1 Liaison Officer	57.50
Personnel	Rescue Team Manager	1 Rescue Team Manager	51.75
Personnel	Search Team Manager	1 Search Team Manager	51.75
Personnel	Safety Officer	1 Safety Officer	46.00
Personnel	Structural Specialist	1 Structural Specialist	57.50
Personnel	Hazmat Team Manager	1 Hazmat Team Manager	51.75
Personnel	Incident Specific	Specific Personnel(s) Request	Depends on specific request
Vehicles	Transportation	Vehicle(s) capable of transporting personnel and equipment.	

Equipment	Materials and supplies	<p>Discipline specific equipment to accomplish the mission objectives to include:</p> <ul style="list-style-type: none"> • GPS • Laptop with wireless internet capability and air card for connectivity • Assorted forcible entry hand tools • Hand lights • Small portable generator(s) <p>Incidents with multiple day operations will require the deployment of Logistical Incident Support MRP.</p>	Basic communications equipment for communications with the command element to be provided by the Requesting Agency.
Cost Recovery Estimate		<p>Hourly wages Noted above</p> <p>Complete Nine Personnel Team</p> <p>Hourly - \$477.25</p>	<p>Eight hour on scene estimate: \$3,818.00</p> <p>No cost - two+ (2+) additional support personnel for driver/mission support</p>

MI-TF1 Heavy Equipment and Rigging Specialist Mission Ready Package

RESOURCE:	MI-TF1 Heavy Equipment and Rigging Specialist Team		
RESOURCE CATEGORY:	Search and Rescue (ESF #9)	KIND:	HERS
OVERALL FUNCTION:	<p>Resource provides Heavy Equipment Operators and Leadership trained in the use of multiple types of heavy equipment and rigging systems used in multiple technical rescue disciplines.</p> <p>Resource brings a cache of rigging equipment developed to provide rigging capabilities to use with multiple types of heavy equipment.</p>	COMPOSITION & ORDERING SPECIFICATIONS:	2 - Heavy Equipment and Rigging Specialists

CAPABILITIES:			NOTES:
COMPONENT:	METRIC:	DETAILS:	
Personnel	Heavy Equipment and Rigging	2 - Heavy Equipment and Rigging Specialists	
Vehicles	Transportation	Vehicle capable of transporting personnel and equipment.	
Equipment	Materials and supplies	Chains, cables, come-a-longs, binders and various attachment connections.	Basic communications equipment for communications with the command element to be provided by the Requesting Agency.

Cost Recovery Estimate	Heavy Equipment and Rigging Specialists x 2	Hourly rate: \$51.50 Total Hourly Rate: \$103.00 Travel time will not be charged for cost recovery.	All hourly rates are based on FEMA rates, plus 15% for fringe benefits. Eight hour on scene estimate: \$824.00 No cost - one (1) additional support person for driver/mission support and one (1) MRP Team Leader
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Placeholder MI-TF1 UAS Team MRP

CATEGORY III VALIDATED SPECIAL OPERATIONS RESOURCE MRPs

MI-MABAS Confined Space Rescue Team Mission Ready Package

RESOURCE:	MABAS Confined Space Rescue Team Mission Ready Package		
RESOURCE CATEGORY:	Search and Rescue (ESF #9)	KIND:	Teams
DESCRIPTION:	The Confined Space Rescue Team is a MI-MABAS Validated Resource comprised of 16-20 Members trained and equipped to respond to incidents involving trapped persons in confined spaces. A confined space that requires rescue personnel to enter areas out of direct sight, has hazards that can not be controlled or contains entanglement hazards are considered technician level confined spaces, and require a technician level response.		
OVERALL FUNCTION:	Identify and isolate or remove hazards. Develop an Incident Action Plan to first determine rescue or recovery mode. Develop and work under a confined space entry permit to enter the space and remove any trapped occupant(s) while providing ventilation to the space and breathing air to rescuers. Finally, working with the AHJ to render the scene safe.	COMPOSITION & ORDERING SPECIFICATIONS:	16-20 personnel with elements of Command, Safety, Rescue, and Support.

CAPABILITIES:			NOTES:
COMPONENT:	METRIC:	DETAILS:	
Personnel	Team Leader	1 US&R Rescue Team Manager 1 Safety Officer	
Personnel	Rescue Specialist	1-2 Rescue Squad Officer 10-12 Rescue Specialists	
Personnel	Rescue Specialist/Paramedic	2 Rescue Specialist/ Paramedics (ALS)	
Personnel	Support	1-2 Support Personnel	
Vehicle	Transportation	Vehicle(s) capable of transporting equipment and personnel.	
Equipment	Materials and supplies	*Self-sustaining for one 12 hour operational period.	
Cost Recovery Estimate	Trench Rescue Team	**Hourly rate: \$1,100 for 20 personnel	All hourly rates are based on FEMA rates, plus 15% for fringe benefits. Eight hour on scene estimate: \$8,800

ADDITIONAL NOTES:

*Consideration must be given to the length of time the overall need for these resources will be. If the Team needs to travel over 1 hour, the need for lodging must be considered.

**Cost recovery amount is estimated and will follow MEMAC Guidelines for both personnel and vehicle/equipment costs.

MI-MABAS Confined Space Rescue Company Mission Ready Package

RESOURCE:	MABAS Confined Space Rescue Team Mission Ready Package		
RESOURCE CATEGORY:	Search and Rescue (ESF #9)	KIND:	Company
DESCRIPTION:	The Confined Space Rescue Company is a MI-MABAS Validated Resource composed of 7-10 Members trained and equipped to respond to incidents involving trapped persons in confined spaces. A confined space that requires rescue personnel to enter areas out of direct sight, has hazards that can not be controlled or contains entanglement hazards are considered technician level confined spaces, and require a technician level response. This 7-10 Member resource is designed to augment existing trained local resources or to pair with an additional Company to provide the proper minimal number of trained personnel.		
OVERALL FUNCTION:	Identify and isolate or remove hazards. Develop an Incident Action Plan to first determine rescue or recovery mode. Develop and work under a confined space entry permit to enter the space and remove any trapped occupant(s) while providing ventilation to the space and breathing air to rescuers. Finally, working with the AHJ to render the scene safe.	COMPOSITION & ORDERING SPECIFICATIONS:	7-10 personnel with elements of Command, Safety, Rescue, and Support.

CAPABILITIES:			NOTES:
COMPONENT:	METRIC:	DETAILS:	
Personnel	Team Leader	1 US&R Rescue Team Manager	
Personnel	Rescue Specialist	1 Rescue Squad Officer 5-7 Rescue Specialists	
Personnel	Support	1 Support personnel (optional)	
Vehicle	Transportation	Vehicle(s) capable of transporting equipment and personnel.	
Equipment	Materials and supplies	*Self-sustaining for one 12 hour operational period.	
Cost Recovery Estimate	Trench Rescue Team	**Hourly rate: \$550 for 10 personnel	All hourly rates are based on FEMA rates, plus 15% for fringe benefits. Eight hour on scene estimate: \$4,400
ADDITIONAL NOTES:			
In addition to these resources, the AHJ must ensure that a USAR Safety Officer is present.			
*Consideration must be given to the length of time the overall need for these resources will be. If the Team needs to travel over 1 hour, the need for lodging must be considered.			
**Cost recovery amount is estimated and will follow MEMAC Guidelines for both personnel and vehicle/equipment costs.			

MI-MABAS Rope Rescue Team Mission Ready Package

RESOURCE:	MABAS Rope Rescue Team Mission Ready Package		
RESOURCE CATEGORY:	Search and Rescue (ESF #9)	KIND:	Teams
DESCRIPTION:	The Rope Rescue Team is a MI-MABAS Validated Resource composed of 12-18 Members trained and equipped to respond to incidents involving the need to rescue victims using ropes. A rope rescue incident that requires the use of a high line be used, or where the victim needs to be packaged in a litter with a rescuer as an attendant are considered technician level responses, and require a technician level response.		
OVERALL FUNCTION:	Identify and isolate or remove hazards. Develop an Incident Action Plan to first determine rescue or recovery mode. Once the mode is determined, further develop and execute the Incident Action Plan to safely mitigate the situation, protecting both rescuers and victims. Work with the AHJ to render the scene safe.	COMPOSITION & ORDERING SPECIFICATIONS:	12-18 personnel with elements of Command, Safety Rescue and Support.

CAPABILITIES:			NOTES:
COMPONENT:	METRIC:	DETAILS:	
Personnel	Team Leader	1 US&R Rescue Team Manager 1 Safety Officer	
Personnel	Rescue Specialist	1-2 Rescue Squad Officer 7-10 Rescue Specialists	
Personnel	Rescue Specialist/Paramedic	2 Rescue Specialist/ Paramedics (ALS)	
Personnel	Support	1-2 Support Personnel (optional)	
Vehicle	Transportation	Vehicle(s) capable of transporting equipment and personnel.	
Equipment	Materials and supplies	*Self-sustaining for one 12 hour operational period.	
Cost Recovery Estimate	Trench Rescue Team	**Hourly rate: \$990 for 18 personnel	All hourly rates are based on FEMA rates, plus 15% for fringe benefits. Eight hour on scene estimate: \$7,920
ADDITIONAL NOTES:			
*Consideration must be given to the length of time the overall need for these resources will be. If the Team needs to travel over 1 hour, the need for lodging must be considered.			
**Cost recovery amount is estimated and will follow MEMAC Guidelines for both personnel and vehicle/equipment costs.			

MI-MABAS Rope Rescue Company Mission Ready Package

RESOURCE:	MABAS Rope Rescue Company Mission Ready Package		
RESOURCE CATEGORY:	Search and Rescue (ESF #9)	KIND:	Company
DESCRIPTION:	The Rope Rescue Company is a MI-MABAS Validated Resource composed of 7-10 Members trained and equipped to respond to incidents involving the need to rescue victims using ropes. A rope rescue that requires the use of a high line, or where the victim needs to be packaged in a litter with a rescuer as an attendant are considered technician level responses, and require a technician level response. Depending on the complexity of the incident, the 7-10 member Company may be able to handle the incident provided there is additional manpower on the scene to assist. Consideration should be given to order an additional Rope Rescue Company if additional personnel are not available.		
OVERALL FUNCTION:	Identify and isolate or remove hazards. Develop an Incident Action Plan to first determine rescue or recovery mode. Once the mode is determined, further develop and execute the Incident Action Plan to safely mitigate the situation, protecting both rescuers and victims. Work with the AHJ to render the scene safe.	COMPOSITION & ORDERING SPECIFICATIONS:	7-10 personnel with elements of Command, Rescue and Support.

CAPABILITIES:			NOTES:
COMPONENT:	METRIC:	DETAILS:	
Personnel	Team Leader	1 US&R Rescue Team Manager	
Personnel	Rescue Specialist	1 Rescue Squad Officer 5-7 Rescue Specialists	
Personnel	Support	1 Support Personnel (optional)	
Vehicle	Transportation	Vehicle(s) capable of transporting equipment and personnel.	
Equipment	Materials and supplies	*Self-sustaining for one 12 hour operational period.	
Cost Recovery Estimate	Trench Rescue Team	**Hourly rate: \$550 for 10 personnel	All hourly rates are based on FEMA rates, plus 15% for fringe benefits. Eight hour on scene estimate: \$4,400
ADDITIONAL NOTES:			
In addition to these resources, the AHJ must ensure that a USAR Safety Officer is present. *Consideration must be given to the length of time the overall need for these resources will be. If the Team needs to travel over 1 hour, the need for lodging must be considered. **Cost recovery amount is estimated and will follow MEMAC Guidelines for both personnel and vehicle/equipment costs.			

MI-MABAS Trench Rescue Team Mission Ready Package

RESOURCE:	MABAS Trench Rescue Team Mission Ready Package		
RESOURCE CATEGORY:	Search and Rescue (ESF #9)	KIND:	Teams
DESCRIPTION:	The Trench Rescue Team is a MI-MABAS Validated Resource composed of 16-20 Members trained and equipped to respond to incidents involving trapped workers in collapsed trenches (excavations). A collapsed trench that is deeper than 8' or involves an intersecting trench is considered a Technician Level Trench and requires a Team capable of responding at the Technician Level.		
OVERALL FUNCTION:	Identify and isolate or remove hazards. Develop an Incident Action Plan to first determine rescue or recovery mode. Provide access to and stabilize the trench lip, then install primary shoring, followed by secondary shoring, installing an entry team at the correct time to begin stabilizing and removing the trapped victim(s). Finally, working with the AHJ to render the scene safe.	COMPOSITION & ORDERING SPECIFICATIONS:	16-20 personnel with elements of Command, Safety, Medical, Rescue, and Support.

CAPABILITIES:			NOTES:
COMPONENT:	METRIC:	DETAILS:	
Personnel	Team Leader	1 US&R Rescue Team Manager 1 Safety Officer	
Personnel	Rescue Specialist	2 Rescue Squad Officer 12-13 Rescue Specialists	*Including Medical Personnel capable of entering the trench to provide patient care
Personnel	Rescue Specialist/Paramedic	2 Rescue Specialist/ Paramedics (ALS)	
Personnel	Support	1 Support Personnel (optional)	
Vehicle	Transportation	Vehicle(s) capable of transporting equipment and personnel.	
Equipment	Materials and supplies	*Self-sustaining for one 12 hour operational period.	
Cost Recovery Estimate	Trench Rescue Team	**Hourly rate: \$1,100 for 20 personnel	All hourly rates are based on FEMA rates, plus 15% for fringe benefits. Eight hour on scene estimate: \$8,800
ADDITIONAL NOTES:			
<p>*If the Team does not have ALS Trained Medical Personnel capable of entering the trench, the AHJ must provide for that need.</p> <p>*Consideration must be given to the length of time the overall need for these resources will be. If the Team needs to travel over 1 hour, the need for lodging must be considered.</p> <p>**Cost recovery amount is estimated and will follow MEMAC Guidelines for both personnel and vehicle/equipment costs.</p>			

MI-MABAS Trench Rescue Company Mission Ready Package

RESOURCE:	MABAS Trench Rescue Company Mission Ready Package		
RESOURCE CATEGORY:	Search and Rescue (ESF #9)	KIND:	Company
DESCRIPTION:	The Trench Rescue Company is a MI-MABAS Validated Resource composed of 7-10 Members trained and equipped to respond to incidents involving trapped workers in collapsed trenches (excavations). A collapsed trench that is deeper than 8' or involves an intersecting trench is considered a Technician Level Trench and requires a Team capable of responding at the Technician Level. This 7-10 Member resource is designed to augment existing trained local resources or to pair with an additional Company to provide the proper minimal number of trained personnel.		
OVERALL FUNCTION:	Identify and isolate or remove hazards. Develop an Incident Action Plan to first determine rescue or recovery mode. Provide access to and stabilize the trench lip, then install primary shoring, followed by secondary shoring, installing an entry team at the correct time to begin stabilizing and removing the trapped victim(s). Finally, working with the AHJ to render the scene safe.	COMPOSITION & ORDERING SPECIFICATIONS:	7-10 personnel with elements of Command, Rescue, and Support

CAPABILITIES:			NOTES:
COMPONENT:	METRIC:	DETAILS:	
Personnel	Team Leader	1 US&R Rescue Team Manager	
Personnel	Rescue Specialist	1 Rescue Squad Officers 5-7 Rescue Specialists	
Personnel	Support	1 Support Personnel (optional)	
Vehicle	Transportation	Vehicle(s) capable of transporting equipment and personnel.	
Equipment	Materials and supplies	*Self-sustaining for one 12 hour operational period.	
Cost Recovery Estimate	Trench Rescue Company	**Hourly rate: \$550 for 10 personnel	All hourly rates are based on FEMA rates, plus 15% for fringe benefits. Eight hour on scene estimate: \$4,400

ADDITIONAL NOTES:

In addition to these resources, the AHJ must provide a US&R Safety Officer and ALS Medical Personnel capable of entering the trench to provide medical treatment to trapped victim(s)

*Consideration must be given to the length of time the overall need for these resources will be. If the Team needs to travel over 1 hour, the need for lodging must be considered.

**Cost recovery amount is estimated and will follow MEMAC Guidelines for both personnel and vehicle/equipment costs.

MI-MABAS Building Collapse Rescue Team Mission Ready Package

RESOURCE:	MABAS Building Collapse Rescue Team Mission Ready Package		
RESOURCE CATEGORY:	Search and Rescue (ESF #9)	KIND:	Teams
DESCRIPTION:	The Building Collapse Rescue Team is a MI-MABAS Validated Resource comprised of 16-20 Members trained and equipped to respond to building collapse incidents in light wall construction (Operations Level) or heavy wall construction (Technician Level) in order to provide stabilization to the structure, working with a search component to locate and remove trapped occupants.		
OVERALL FUNCTION:	Identify and mark building hazards. Develop an Incident Action Plan to address unstable structures to allow primary and secondary searches. Provide stabilization of unstable structures to allow for the safe removal of trapped victims. Work within the Incident Command system to provide assistance as needed.	COMPOSITION & ORDERING SPECIFICATIONS:	16-20 personnel with elements of Command, Safety, Medical, Rescue, and Support.

CAPABILITIES:			NOTES:
COMPONENT:	METRIC:	DETAILS:	
Personnel	Team Leader	1 US&R Rescue Team Manager 1 Safety Officer	
Personnel	Medical Specialist	2 US&R Medical Specialist	ALS Capable
Personnel	Rescue Specialist	2 Rescue Squad Officers 10-12 Rescue Specialists	
Personnel	Support	2 Support Personnel (optional)	
Vehicle	Transportation	Vehicle(s) capable of transporting equipment and personnel.	
Equipment	Materials and supplies	*Self-sustaining for one 12 hour operational period.	
Cost Recovery Estimate	Building Collapse Rescue Team	**Hourly rate: \$1,100 for 20 personnel	All hourly rates are based on FEMA rates, plus 15% for fringe benefits. Eight hour on scene estimate: \$8,800
ADDITIONAL NOTES:			
*Consideration must be given to the length of time the overall need for these resources will be. If the Team needs to travel over 1 hour, the need for lodging must be considered.			
**Cost recovery amount is estimated and will follow MEMAC Guidelines for both personnel and vehicle/equipment costs.			

MI-MABAS Building Collapse Rescue Company Mission Ready Package

RESOURCE:	MABAS Building Collapse Rescue Company Mission Ready Package		
RESOURCE CATEGORY:	Search and Rescue (ESF #9)	KIND:	Company
DESCRIPTION:	The Building Collapse Rescue Company is a MI-MABAS Validated Resource comprised of 7-10 Members trained and equipped to respond to building collapse incidents in light wall construction (Operations Level) or heavy wall construction (Technician Level) in order to provide stabilization to the structure, working with a search component to locate and remove trapped occupants. This 7-10 Member resource is designed to augment existing trained local resources or to pair with an additional Company to provide the proper minimal number of trained personnel.		
OVERALL FUNCTION:	Identify and mark building hazards. Develop an Incident Action Plan to address unstable structures to allow primary and secondary searches. Provide stabilization of unstable structures to allow for the safe removal of trapped victims. Work within the Incident Command system to provide assistance as needed.	COMPOSITION & ORDERING SPECIFICATIONS:	7-10 personnel with elements of Command, Rescue, and Support.

CAPABILITIES:			NOTES:
COMPONENT:	METRIC:	DETAILS:	
Personnel	Team Leader	1 US&R Rescue Team Manager	
Personnel	Rescue Specialist	1 Rescue Squad Officer 5-7 Rescue Specialists	
Personnel	Support	1 Support Personnel (optional)	
Vehicle	Transportation	Vehicle(s) capable of transporting equipment and personnel.	
Equipment	Materials and supplies	*Self-sustaining for one 12 hour operational period.	
Cost Recovery Estimate	Building Collapse Rescue Company	**Hourly rate: \$550 for 10 personnel	All hourly rates are based on FEMA rates, plus 15% for fringe benefits. Eight hour on scene estimate: \$4,400
ADDITIONAL NOTES:			
In addition to these resources, the AHJ must provide a US&R Safety Officer and ALS Medical Personnel capable of working in the anticipated environment. *Consideration must be given to the length of time the overall need for these resources will be. If the Company needs to travel over 1 hour, the need for lodging must be considered. **Cost recovery amount is estimated and will follow MEMAC Guidelines for both personnel and vehicle/equipment costs.			

MI-MABAS Tower Rescue Company Mission Ready Package

RESOURCE:	MABAS Rope Rescue Company Mission Ready Package		
RESOURCE CATEGORY:	Search and Rescue (ESF #9)	KIND:	Company
DESCRIPTION:	The Tower Rescue Company is a MI-MABAS Validated Resource composed of 7-10 Members trained and equipped to respond to incidents involving the need to rescue victims from various types of towers or unique high elevations. Tower Rescue incidents are unique and more complex variations of Rope Rescue incidents as they require the identification and avoidance or mitigation of associated hazards as well as difficulty in accessing the victim(s), thus all are considered Technician Level. This 7-10 Member Company is designed to augment additional first responders on scene who can assist the Company from the ground.		
OVERALL FUNCTION:	Identify and isolate, avoid or remove hazards. Develop an Incident Action Plan to first determine rescue or recovery mode. Once the mode is determined, further develop and execute the Incident Action Plan to safely mitigate the situation, protecting both rescuers and victims. Work with the AHJ to render the scene safe.	COMPOSITION & ORDERING SPECIFICATIONS:	7-10 personnel with elements of Command, Rescue, and Support.

CAPABILITIES:			NOTES:
COMPONENT:	METRIC:	DETAILS:	
Personnel	Team Leader	1 US&R Rescue Team Manager 1 US&R Safety Officer	
Personnel	Rescue Specialist	1 Rescue Squad Officer 5-7 Rescue Specialists	
Vehicle	Transportation	Vehicle(s) capable of transporting equipment and personnel.	
Equipment	Materials and supplies	*Self-sustaining for one 12 hour operational period.	
Cost Recovery Estimate	Trench Rescue Team	**Hourly rate: \$550 for 10 personnel	All hourly rates are based on FEMA rates, plus 15% for fringe benefits. Eight hour on scene estimate: \$4,400
ADDITIONAL NOTES:			

*Consideration must be given to the length of time the overall need for these resources will be. If the Team needs to travel over 1 hour, the need for lodging must be considered.

**Cost recovery amount is estimated and will follow MEMAC Guidelines for both personnel and vehicle/equipment costs.

MI-MABAS Hazardous Materials Team Mission Ready Package

RESOURCE:	MABAS Hazardous Materials Team Mission Ready Package		
RESOURCE CATEGORY:	Hazmat (ESF #10)	KIND:	Teams
DESCRIPTION:	The Hazardous Materials Team is a MI-MABAS Validated Resource composed of 16-20 Members trained and equipped to respond to incidents involving the release of known or unknown chemicals and provide for the identification and mitigation of such releases. Additionally, Type I Hazmat Teams are those who are trained and equipped to operate in CBRNE environments.		
OVERALL FUNCTION:	To identify Hot, Warm and Cold Zones and provide evacuation recommendations. Identify the chemical(s) involved and develop an Incident Action Plan to contain the leaked chemical(s). Remove contaminated victims and provide for decontamination of people or items exposed.	COMPOSITION & ORDERING SPECIFICATIONS:	16-20 personnel with elements of Command, Safety, and Hazardous Materials Operations personnel

CAPABILITIES:			NOTES:
COMPONENT:	METRIC:	DETAILS:	
Personnel	Team Leader	1 Hazardous Materials Team Leader 1 Safety Officer	
Personnel	Rescue Specialist	2 Hazardous Materials Officer 12-14 Hazardous Materials Personnel*	*Hazardous Materials Personnel can be a mix of Specialists, Technicians, or Operations level trained.
Personnel	Support	2 Support Personnel	
Vehicle	Transportation	Vehicle(s) capable of transporting equipment and personnel.	
Equipment	Materials and supplies	*Self-sustaining for one 12 hour operational period.	
Cost Recovery Estimate	Trench Rescue Team	**Hourly rate: \$1,100 for 20 personnel	All hourly rates are based on FEMA rates, plus 15% for fringe benefits. Eight hour on scene estimate: \$8,800

ADDITIONAL NOTES:

*Consideration must be given to the length of time the overall need for these resources will be. If the Team needs to travel over 1 hour, the need for lodging must be considered.

**Cost recovery amount is estimated and will follow MEMAC Guidelines for both personnel and vehicle/equipment costs.

MI-MABAS Hazardous Materials Company Mission Ready Package

RESOURCE:	MABAS Hazardous Materials Team Mission Ready Package		
RESOURCE CATEGORY:	Hazmat (ESF #10)	KIND:	Company
DESCRIPTION:	The Hazardous Materials Company is a MI-MABAS Validated Resource composed of 7-10 Members trained and equipped to respond to incidents involving the release of known or unknown chemicals and provide for the identification and mitigation of such releases. Additionally, Type I Hazmat Companies are those who are trained and equipped to operate in CBRNE environments. This 7-10 Member resource is designed to augment existing trained local resources or to pair with an additional Company to provide the proper minimal number of trained personnel.		
OVERALL FUNCTION:	To identify Hot, Warm and Cold Zones and provide evacuation recommendations. Identify the chemical(s) involved and develop an Incident Action Plan to contain the leaked chemical(s). Remove contaminated victims and provide for decontamination of people or items exposed.	COMPOSITION & ORDERING SPECIFICATIONS:	7-10 personnel with elements of Command and Hazmat Personnel.

CAPABILITIES:			NOTES:
COMPONENT:	METRIC:	DETAILS:	
Personnel	Team Leader	1 Hazardous Materials Team Leader 1 Safety Officer	
Personnel	Rescue Specialist	1 Hazardous Materials Officer 4-7 Hazardous Materials Personnel*	*Hazardous Materials Personnel can be a mix of Specialists, Technicians, or Operations level trained.
Vehicle	Transportation	Vehicle(s) capable of transporting equipment and personnel.	
Equipment	Materials and supplies	*Self-sustaining for one 12 hour operational period.	
Cost Recovery Estimate	Trench Rescue Team	**Hourly rate: \$550 for 10 personnel	All hourly rates are based on FEMA rates, plus 15% for fringe benefits. Eight hour on scene estimate: \$4,400

ADDITIONAL NOTES:

*Consideration must be given to the length of time the overall need for these resources will be. If the Team needs to travel over 1 hour, the need for lodging must be considered.

**Cost recovery amount is estimated and will follow MEMAC Guidelines for both personnel and vehicle/equipment costs.

MI-MABAS Unmanned Aircraft System (sUAS) Mission Ready Package

RESOURCE:	Type I sUAS		
RESOURCE CATEGORY:	Incident Management	KIND:	Team
DESCRIPTION:	The sUAS is a MI-MABS Validated Resource that is composed of a five (5) member team that includes licensed drone pilots, a technical information specialist, drone logistical support, with a supervisory element for organization command and control.		
OVERALL FUNCTION:	The sUAS MRP helps provide situational awareness to Incident Command by providing Photogrammetry, Live Video Feeds and Thermal Imaging, following FAA Requirements in both day and night operational periods.	COMPOSITION & ORDERING SPECIFICATIONS:	1 - Strike Team Leader 2 - FAA Licensed Drone Pilots 1 - Tech Info Specialist 1 - Drone Logistical Support Person 4-5 Personnel

CAPABILITIES:			NOTES:
COMPONENT:	METRIC:	DETAILS:	
Personnel	Strike Team Leader	1 - Strike Team Leader	Fire Officer II
Personnel	sUAS Pilot In Command (FAA Licensed)	2 - sUAS Pilots	FAA Part 107 licensed
Personnel	Technical Specialist	1 - Technical Specialist (UAS)	sUAS Tech Specialist
Personnel	Support	1 - UAS Logistical Support (optional)	
Vehicle	Transportation	Vehicles able to transport personnel and requisite equipment	
Equipment	NIMS Type I sUAS	1 - sUAS (Minimum) with Type I capabilities including batteries and accessories to meet the objectives	See NIMS Type I sUAS typing (link)
Cost Recovery Estimate	Drone Company	Personnel Cost Estimate: \$250 per hour for 3 people. Drone Costs ; \$50 per hour, per drone Vehicle costs following FEMA Reimbursement Schedule	Estimated 8 hour cost = \$2,000

MABAS Type II Stillwater/Flood Company Mission Ready Package

RESOURCE:	Type II Stillwater/Flood Company Mission Ready Package		
RESOURCE CATEGORY:	Search and Rescue (ESF #9)	KIND:	Water Rescue
DESCRIPTION:	The Type II Stillwater/Flood Company is a MI-MABAS validated resource composed of 7-10 Members trained and equipped to respond to incidents involving rescues of people in flooded areas, with a supervisory element for organization command and control. Any flooded area that has the potential for the flow of water to exceed 1.15 mph (1 knot) is considered Swiftwater and will require specifically trained individuals.		
OVERALL FUNCTION:	The Stillwater/Flood Company: 1. Searches for and rescues individuals in flooded areas 2. Provides BLS medical care 3. Transports humans and companion animals to the nearest location for secondary transport.. 4. Provides shore-based and boat-based water rescue for humans and companion animals.	COMPOSITION & ORDERING SPECIFICATIONS:	1-2 Strike Team Leader (s) 4 - Stillwater/Flood Rescue Boat Operators (min) 2-4 Stillwater/Flood SAR Technicians (1 being EMT min and 1 Logistical Support Person)

CAPABILITIES:			NOTES:
COMPONENT:	METRIC:	DETAILS:	
Personnel	Strike Team Leader	1 - Strike Team Leader	NIMS Stillwater.Flood SAR Team Leader
Personnel	Rescue Boat Operator	4 - Rescue Boat Operators (2 per boat)	NIMS Stillwater/Flood Rescue Boat Operators
Personnel	Technicians	2-4 Stillwater/Flood SAR Technician (Minimum 1 EMT, 1 Logistical Support)	NIMS Stillwater/Flood SAR Technician
Vehicle	Transportation	2 - Motorized Rescue Boats, with minimally 1 an inflatable Rescue Boat. 2 - Tow Vehicles (min) Personnel and Equipment transportation as needed.	
Equipment	Materials and Supplies	3 - Throw Bags (per boat) Litter/stokes basket with adjustable bridal Ample cache rope equipment Vessel support kit Decon equipment	Ample cache rope equipment Patient harness system Throwable flotation device Paddles
Cost Recovery Estimate	Stillwater/Flood Company	**Hourly rate: \$385 for 7 Personnel	All hourly rates are based on FEMA rates, plus 15% for fringe benefits. Eight hour on scene estimate: \$2,695
ADDITIONAL NOTES:			
Companies should be prepared to be self-sustained for one 12 hour operational period. Consideration must be given to the length of time the overall need for these resources will be. If the Team needs to travel over one hour, the need for lodging must be considered. **Cost recovery amount is estimated and will follow MEMAC Guidelines for both personnel and vehicle/equipment costs.			

CATEGORY IV SPECIAL EQUIPMENT MISSION READY PACKAGES

MI-MABAS Vactor Truck Mission Ready Package

RESOURCE:	MABAS Vactor Truck Mission Ready Package		
RESOURCE CATEGORY:	Search and Rescue (ESF #9)	KIND:	Special Equipment
DESCRIPTION:	The Vactor Truck Mission Ready Package is designed to bring specialized equipment and personnel to an incident and aid in the removal of various types of soil or other grainy materials.		
OVERALL FUNCTION:	The Vactor Truck Mission Ready Package will provide additional equipment and personnel to an already active rescue scene with an established Operations Branch to augment the existing operation.	COMPOSITION & ORDERING SPECIFICATIONS:	6 - Personnel to set up, operate and maintain operation of equipment.

CAPABILITIES:			NOTES:
COMPONENT:	METRIC:	DETAILS:	
Personnel	Technicians	2 - Vactor Truck Operators	Vactor Truck Operators are trained in the operation of the Vactor Truck and the components leading to the work site.
Personnel	Technicians	4 - Support Personnel	Support personnel are trained in use of the components from the Vactor Truck to the Trench and the use of the components in the work site.
Vehicle	Transportation	1 - Vactor Truck 1 - POD Truck w/Trench Vactor POD 1 - Support Vehicle	
Equipment	Materials and supplies	Trench Rescue POD equipped with specialized equipment to work with a Vactor Truck for the removal of soil and other grainy material.	
Cost Recovery Estimate	Personnel and Equipment	*Hourly rate: \$419.00 plus consumables	All hourly rates are based on FEMA rates, plus 15% for fringe benefits. Eight hour on scene estimate: \$3,748
ADDITIONAL NOTES:			
*Cost recovery amount is estimated and will follow MEMAC Guidelines for both personnel and vehicle/equipment costs.			

MI-MABAS Power and Lighting Mission Ready Package

RESOURCE:	MABAS Power and Lighting Mission Ready Package		
RESOURCE CATEGORY:	Search and Rescue (ESF #9), Firefighting (ESF#4) Hazmat (ESF #10)	KIND:	Special Equipment
DESCRIPTION:	The Power & Lighting Mission Ready Package is designed to bring scene lighting and additional power supply to an incident.		
OVERALL FUNCTION:	The Power and Lighting Mission Ready Package will provide scene lighting with the use of four portable dual head light towers. In addition, a diesel power generator will supply power for the scene lighting and additional needs through a series of power distribution, all carried on a POD.	COMPOSITION & ORDERING SPECIFICATIONS:	2-3 personnel knowledgeable in the transportation, setup and operation of the Power and Lighting Equipment.

CAPABILITIES:			NOTES:
COMPONENT:	METRIC:	DETAILS:	
Personnel	Technicians	2-3 Person Team	Determine proper setup for required power and lighting distribution.
Vehicle	Transportation	1 - POD Truck 1 - Power and Lighting POD	
Equipment	Materials and supplies	4 - dual head light towers 1 - Diesel Generator (24 hour operation before fuel) Assorted power cables and cords Power distribution boxes.	
Cost Recovery Estimate	Power and Lighting	*Hourly rate: \$165.00 plus consumables	All hourly rates are based on FEMA rates, plus 15% for fringe benefits. Eight hour on scene estimate: \$1,518
ADDITIONAL NOTES:			
*Cost recovery amount is estimated and will follow MEMAC Guidelines for both personnel and vehicle/equipment costs.			

MI-MABAS AreaRea Mission Ready Package

RESOURCE:	MABAS AreaRea Mission Ready Package		
RESOURCE CATEGORY:	Hazardous Materials (ESF#10)	KIND:	Special Equipment
DESCRIPTION:	The AreaRae Mission Ready Package is designed to bring specialized equipment and personnel to an incident to provide for 4 gas air monitoring capabilities from multiple locations.		
OVERALL FUNCTION:	The AreaRae Mission Ready Package allows for multiple 4 gas monitors with gamma detection to be strategically placed all reporting back to a single remote computer	COMPOSITION & ORDERING SPECIFICATIONS:	2 - Personnel to set up, operate and maintain operation of equipment.

CAPABILITIES:			NOTES:
COMPONENT:	METRIC:	DETAILS:	
Personnel	Technicians	2 - Technicians	Personnel trained in the setup, use and troubleshooting of equipment.
Equipment	Materials and Supplies	12 - AreaRae Pro 1 - Computer 1 - Calibration Kit	
Vehicles	Transportation	1 - Utility Vehicle for Transportation	
Cost Recovery Estimate	Personnel and Equipment	*Hourly rate: \$419.00 plus consumables	All hourly rates are based on FEMA rates, plus 15% for fringe benefits. Eight hour on scene estimate: \$3,748
ADDITIONAL NOTES:			
*Cost recovery amount is estimated and will follow MEMAC Guidelines for both personnel and vehicle/equipment costs.			

MI-MABAS FOAM TENDER Mission Ready Package

RESOURCE:	MABAS FOAM TENDER Mission Ready Package		
RESOURCE CATEGORY:	Hazardous Materials (ESF#10)	KIND:	Special Equipment
DESCRIPTION:	A mobile foam source for suppression of fires resistant to water-based suppression operations.		
OVERALL FUNCTION:	Foam Tender - Firefighting <ul style="list-style-type: none"> - Supplies foam for fires that are resistant to traditional water-based operations - Suppresses flammable liquid fires 		
COMPOSITION & ORDERING SPECIFICATIONS:	1. Consider the logistics for this equipment such as security, transportation, maintenance and fuel, prior to deployment. 2. Requestor specifies the type of foam required (Class A or Class B) based on incident needs. 3. Requestor specifies the size of the area involved requiring foam suppression. 4. Requestor verifies that a sufficient water source and pumping/delivery capacity is available on scene to support the foam delivery.		

CAPABILITIES:			NOTES:
COMPONENT:	METRIC	DETAILS:	
Personnel	Firefighters	2 - Firefighters trained to the Haz-Mat Operations level and the specific application rates of firefighting foam.	Personnel trained in the setup, use and troubleshooting of equipment.
Vehicles	Transportation	1 - Utility Vehicle with rated capacity to safely tow the Tender (trailer)	
Foam Tender	Type I	500 gallons of foam (Type A or B)	Including foam delivery nozzles and appliances.
Foam Tender	Type II	250 gallons of foam (Type A or B)	Including foam delivery nozzles and appliances.
Cost Recovery Estimate	Personnel, Equipment and Replacement of Foam	*Hourly rate: \$165.00 plus Foam Trailer plus consumables	All hourly rates are based on FEMA rates, plus 15% for fringe benefits. Eight hour on scene estimate: \$1,320
ADDITIONAL NOTES:			
*Cost recovery amount is estimated and will follow MEMAC Guidelines for both personnel and vehicle/equipment costs.			