

Program Year

Deliverable Report July 1, 2023 – June 30, 2024



Texas Emergency Medical Task Force

State Coordinating Office



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Achievements described in the following Program Year Deliverable Report are made possible by all the EMTF teams, HPP Providers, and Regional Advisory Councils, joining as a team and encouraging their emergency medical responders, hospitals, physicians, and countless others to combine assets and to selflessly support the eight Emergency Medical Task Force (EMTFs) that are organized and led by the State Coordinating Office. Individually and collectively each stand ready to help their neighbors and anywhere in Texas.

Special appreciation is extended to every member of each task force, along with the all the Regional Advisory Councils in Texas, the Texas Department of State Health Services and the Texas Division of Emergency Management, since all enable our eight EMTF's to unite in advance, during, and following disasters as "one team, one fight". #TXEMTF

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Summary

The purpose of this document is to provide a summary of the Program Year's activities, accomplishments, goals, and projects. The 2024 Program Year had an increased operational tempo from previous years as the State of TX increased operational preparedness and prepositioning. The TX EMTF has continued to refine operations and build upon lessons learned from all activations while capturing best practices and improvement points from continued operations. TX EMTF continues to focus on membership to expand roster depth and increase capabilities. [Please note, the Program Year is defined as July 1st, 2023, to June 30th, 2024]

TX EMTF by the Numbers:

8 EMTFs and a State Coordinating Office

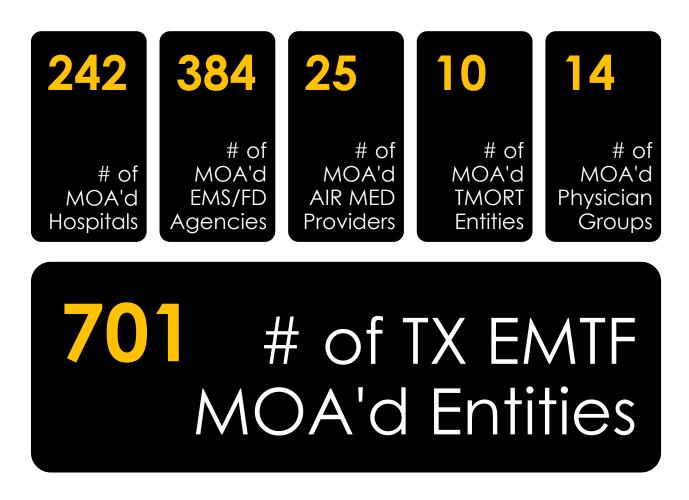
27 State Mission Assignment Activations

2 State Exercises

12 Components

6 Courses conducted

Over 1,428 members participated in training





Program Highlights and Accomplishments for the 2024 Program Year

- Continued refurbishing and replenishing our assets and caches using General Revenue dollars
- Maintained regularly scheduled Work Group Meetings
- Continued to update online resource library to include component documents and just-in-time training videos
- Implementation of Pulsara and TX Wristbands into EMTF Operations
- Maintained an increased operational tempo during the 2023 & 2024 Wildland Fire Seasons and 2024 Severe Weather season
- Completion of the AMBUS upgrade project
- Increased participation in Statewide exercises
- Began formalizing documentation with component specific Standard Operating Guidelines.

Looking ahead to the 2025 Program Year

Core goals for each Work group:

- Evaluate Typing, Position Descriptions, and Job Action Sheets and update as needed
- Continue to build and update Acivated Member Resource Folders
- Continue quality assurance initiatives through after action reviews and best practices
- Continue to share and communicate best practices
- Continue to encourage member participation in Workgroups and meetings

Additional 2025 Work Group Goals:

- Expand on information sharing on TX EMTF website
- Develop a Program Manual with position descriptions, typing for all deployable components, reimbursement parameters, etc.
- Implement standardized EMTF courses focusing on introduction to EMTF, deployment basics and systems and technology training.
- Continue to increase interoperable communications across all EMTF communications platforms
- Continue to replenish rosters and build roster depth and training for all components
- Continue to educate, train, and increase roster depth to support all mission profiles
- Implement inventory management systems for EMTF assets and caches



Committees and Workgroups Working

The TX EMTF State Coordinating Office facilitates many workgroups, committees, and advisory councils, bringing together key stakeholders, task force leadership, EMTF Coordination teams, and members to ensure the program continues to improve and grow while maintaining consensus throughout. Below are the highlights and accomplishments from this Program Year's Workgroups, Committees, and Advisory Councils.

IDRU Workgroup

Chairs: Toby Hatton; Joshua Frandsen Ascension Health, EMTF 7; San Antonio FD, EMTF 8

Highlights and Accomplishments

Identified and procured gowns to replace aprons in all the IDRU caches

<u>Goal</u>: Continue to evaluate PPE ensembles based on industry standards and best practices.

<u>Goal</u>: Continue to maintain rosters for Pre-hospital and Hospital Augmentation teams

AMBUS Workgroup

Chairs: Sean Conley; Brett Joiner Atascocita FD, EMTF 6, MPV 6-01; San Antonio FD, EMTF 8, MPV 8-02

Highlights and Accomplishments

Continued development of AMBUS Driver Training in collaboration with TEEX.

Goal: Developed AMBUS Driver Course for the AMBUS 2.0 Goal: Develop Minimum Equipment Reference list Goal: Develop Quarterly Capability report





MMU & RNST Workgroup

Chair: Chillon Montgomery Methodist Healthcare, EMTF 8, MMU Group Supervisor

Highlights and Accomplishments

Finalized MMU supply cache updates in collaboration with Medical Director Work Group.

Selected and purchased replacement equipment for the iSTAT blood analyzers and IV Pumps for the MMU.

<u>Goal</u>: Identify and expand on regional and statewide training opportunities <u>Goal</u>: Evaluate mechanism to efficiently rotate supply cache inventory

Wildland Fire Support Workgroup

Chairs: Kenneth Erben, Joshua Todd Corpus Christi FD, EMTF 11, MEDL; Austin Travis County EMS, EMTF 7, MEDL

Highlights and Accomplishments

Expanded roster depth through training and recruiting Continued to increase VHF radio communications capabilities

<u>Goal</u>: Develop performance rating for personnel and teams based on ICS forms 224 & 225 and process for distributing documentation <u>Goal</u>: Collaborate with Texas A&M Forest Service on regional training opportunities

Operations Workgroup

Chair: Chillon Montgomery Methodist Healthcare, EMTF 8, MIST

Highlights and Accomplishments

<u>Goal</u>: Continue to evaluate and adjust EMTF Operations Organization Structure <u>Goal</u>: Develop standardized EMTF 101 and Deployment Basics Training processes



Medical Directors Workgroup

Chair: Dr. Emily Kidd Acadian Ambulance Service, TX EMTF Medical Director

Highlights and Accomplishments

Assess the durable medical equipment capabilities to maintain standards of care and made recommendations for the replacement of ISTAT blood analyzer and IV pumps.

<u>Goal</u>: Develop Wildland Fire Support 'Rehab. Guideline Recommendations' <u>Goal</u>: Establish CLIA Lab Director for the EMTF in coordination with the SCO

Texas Mass-Fatality Operations Response Team Workgroup

Chair: Dr. Jason Wiersma Harris County Institute of Forensic Sciences; EMTF 6

Highlights and Accomplishments

Completed TMORT General Orientation. Completed updates of Position Descriptions. Participation in statewide exercises 10 TMORT MOAs fully executed, working with several jurisdictions to execute MOAs

<u>Goal</u>: Continue recruitment and education about TMORT and its capabilities <u>Goal</u>: Update Typing and JAS as needed. <u>Goal</u>: Expand Information sharing on the TX EMTF website



Radiological Response Unit (RRU) Advisory Group

Based on a request from DSHS, the twelfth (12th) TX EMTF Component, the Radiological Response Unit (RRU), was formed. This component was created to support local jurisdictions with decontamination, detection, and dosimetry for the care of individuals impacted by a radiological event.

TX EMTF held two advisory group meetings focusing on equipment identification and core mission capabilities. Further development of the RRU will take place in PY 2025 focusing on caches of supplies and equipment distribution, training, and implementation.

Equipment identification

- Cache Inventories and Distribution
- 8 Primary RRU Caches
 - o [located in each of the 8 EMTFs]
- 4 Secondary RRU Caches
 - o [located in EMTFs 2,6,7,8]

Scenario based development of

- Mission Parameters ["Swim Lanes"]
- Team Composition [19 Personnel/OP]
 - Group Supervisor, MIST, Logistics Technicians, HAZMAT Technicians, RNST, Paramedics, Nuclear Medicine Technicians/Radiation Safety Specialists
- Training Courses Identified

Next Steps:

- Build and distribute caches
- Develop a Survey, Identify Resources, Reference Guides, POCs
- Recruit, Roster SMEs
- ID Potential Gaps: Training, Medical Counter Measures Cache, Additional Equipment/Supplies,
- Advisory Committee Meeting Cadence; Development of a RRU WG



Regional Workgroup Activities

In addition to State workgroup activity, regional member workgroups met to conduct many essential functions to maintain readiness. The regional workgroups train, develop, and conduct exercises, work on regional plans, participate in state workgroup projects, while also providing a forum to pass on new or developing action items from state meetings. We also take advantage of existing membership meetings across each region to help programmatic updates.





State Mission Assignments

This program year there were 27 State Mission Assignment (SMA) Activations issued by DSHS. The program year saw an increase in Wildland Fire Support (WLFS) missions, both for prepositioning in advance due to wildfire risk and for mission assignments to existing fires supporting state fighting resources within a Texas A&M Forest Service Region. TX EMTF also received its first EMAC mission for WLFS to the State of Louisiana. Along with the increase in WLFS missions there was also an increase in prepositioning for severe weather and other weather-related activations. <u>TX EMTF was activated on a State</u> Mission Assignment for 53% of the calendar year.

TX EMTF continued to evaluate data collection during activations and refined processes to capture reportable metrics. The use of Pulsara and the TX Wristband continued throughout EMTF Operations along with just-in-time training.

149

AWARENESS

47

Days on

STANDBY

194 Total Calendar Days Activated 38

Patient

Transports

280

Total

Mission

Days

Activated

In addition to the SMA Activations, the EMTF increased its readiness posture on 196 calendar days due to severe weather, fire danger forecasts, and or other events of significance.

These were AWARENESS or

STANDBY operational level changes each EMTF participates in with their members to match threat and risks that are assessed daily.

16,928 Patient Encounters



Storage Fire

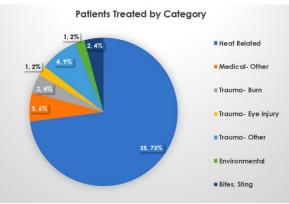
Dates: July 1 to July 5, 2023 Location: Palo Pinto County (EMTF 2) Components Activated: 2 MEDL, 2 AST Unit, 2 WPU Number of Personnel: 10 Number of Assets: 6 EMTFs Participating: EMTFs 2, 7, 8 Number of Encounters: 129 Number of Patients Treated: 0 Number of EMS Transports: 0

Incident Summary

TX EMTF resources were activated to provide medical support to wildland firefighting operations of the Storage Fire.

2023 Statewide WLFS Response

Dates: July 14 to September 16, 2023 Location: Statewide Peak Components Activated: 10 MEDL, 8 AST Unit, 8 WPU, 2 REM Total Number of Personnel: 199 EMTFs Participating: All EMTF's and the SCO Total Fires Responded to: 82 Number of Encounters: 11,524 Number of Patients Treated: 50 Number of EMS Transports: 5



Incident Summary

TX EMTF resources were activated and paired with wildland firefighting assets to respond to wildland fires across the State due to drought conditions and excessive heat. These combined resources were strategically placed based on needs identified by the TAMFS to rapidly respond to reported wildfires.





LA WLFS EMAC

Dates: August 25 to September 6, 2023 Location: State of LA Peak Components Activated: 1 TFL, 4 MEDL, 3 AST Unit, 3 WPU Total Number of Personnel: 20 EMTFs Participating: EMTFs 2, 4, 6, 7, 8, 11 and the SCO Total Fires Responded to: 4 Number of Encounters: 1,174 Number of Patients Treated: 1 Number of EMS Transports: 0

Incident Summary



TX EMTF resources were activated and paired with TX wildland firefighting assets to respond to wildland fires across southern LA due to drought conditions and excessive heat. These combined resources were assigned to rapidly respond to reported wildfires with LA and Federal assets. <u>This was the TX EMTF's first EMAC Mission!</u>



2024 Statewide Fire Response

Dates: February 27 to June 21, 2024 Location: Western Third of the State of TX (EMTFs 1,2,9) Peak Components Activated: 5 MIST, 9 MEDL, 11 AST Units, 11 WPU, 2 REM Number of Personnel: 185 EMTFs Participating: All EMTFs and the SCO Number of Encounters: 4,180 Number of Patients Treated: 4 Number of EMS Transports: 0

Incident Summary

TX EMTF resources were activated for a wildland fire outbreak and assigned to the Smoke House Creek, Windy Deuce, Grape Vine Creek fires in EMTF 1 to provide medical support to wildland firefighting operations. Once released from these fires EMTF assets were paired with wildland firefighting assets to respond to wildland fires across the State due to increased fire weather conditions. These combined resources were strategically placed based on needs identified by the TAMFS to rapidly respond to reported wildfires.





Stephens County Bridge Damage

Dates: December 23 to December 29, 2023 Location: Stephens County, TX (EMTF 2) Components Activated: 2 AST Units Number of Personnel: 4 Number of Assets: 2 EMTFs Participating: EMTF 2 Number of Encounters: 1 Number of Patients Treated: 1 Number of EMS Transports: 1



Incident Summary

TX EMTF resources were activated to provide EMS response to a portion of Stephens County that was separated by a bridge determined to be structurally unsafe. This bridge created excessive response and transport times with EMTF assets utilized to provide response until the jurisdiction could appropriately plan to resume serve.

2024 Lunar Eclipse and Severe Weather

Dates: April 6 to April 11, 2024 Locations: Brazos, Brown and Sutton Counties, TX (EMTF 2) Components Activated: 6 TFL, 18 MIST, 3 AST, 3 AMBUS Number of Personnel: 79 Number of Assets: 48 EMTFs Participating: EMTFs 1, 2, 4, 6, 7, 8, 11 and SCO Number of Encounters: 0 Number of Patients Treated: 0 Number of EMS Transports: 0

Incident Summary

TX EMTF resources were activated to provide EMS response to jurisdictions identifying potential impacts due to increased population for viewing the Eclipse. EMTF assets were assigned to preposition to Sutton, Brazos and Brown Counties with MIST assigned to provide LNO support to potentially impacted jurisdictions and Regional Medical Operations Centers. TX EMTF assets remained activated and prepositioned due to forecasted high impactful severe weather.



Civil Unrest

Dates: April 24 to May 21, 2024 Location: Austin, TX Travis County (EMTF 7) Components Activated: 2 MIST, 1 AST with TAC MED capabilities and 1 AMBUS Number of Personnel: 49 Number of Assets: 10 EMTFs Participating: EMTFs 4, 7, 8, 11 and SCO Number of Encounters: 5 Number of Patients Treated: 0 Number of EMS Transports: 0

Incident Summary

TX EMTF resources were activated to provide medical support to Law Enforcement in a tactical response setting due to protest and civil unrest. EMTF assets coordinated prepositioning and response with the City of Austin, University of TX and TX DPS assets with MIST assigned to provide LNO support to the Authority having Jurisdiction.











Severe Weather Support

Dates: May 1 to June 1, 2024 Location: Austin, TX Travis County (EMTF 7) Peak Components Activated: 6 TFL, 19 MIST, 3 AST, 3 AMBUS Number of Personnel: 142 EMTFs Participating: EMTFs 2, 4, 6, 7, 8, 11 and SCO Number of Encounters: 234+ Number of Patients Treated: 54+ Number of EMS Transports: 35

Incident Summary

TX EMTF resources were activated to preposition for Severe Weather to SE TX and assigned to areas impacted by excessive rainfall and severe weather. This timeframe also includes the no-notice activation of EMTF assets from EMTF 2 to respond to the Valley View Tornado in Cooke County.



Tropical Storm Alberto

Dates: June 17 to June 25, 2024 Location: Pharr and Corpus Christi (EMTF 11) Peak Components Activated: 6 TFL, 19 MIST, 3 AST, 3 AMBUS Number of Personnel: 142 EMTFs Participating: 1, 2, 4, 9 and SCO Number of Encounters: 0 Number of Patients Treated: 0 Number of EMS Transports: 0

Incident Summary

TX EMTF resources were activated to preposition for the potential impacts from Tropical Storm Alberto. EMTF assets were released with no noted activity.



After Action Items

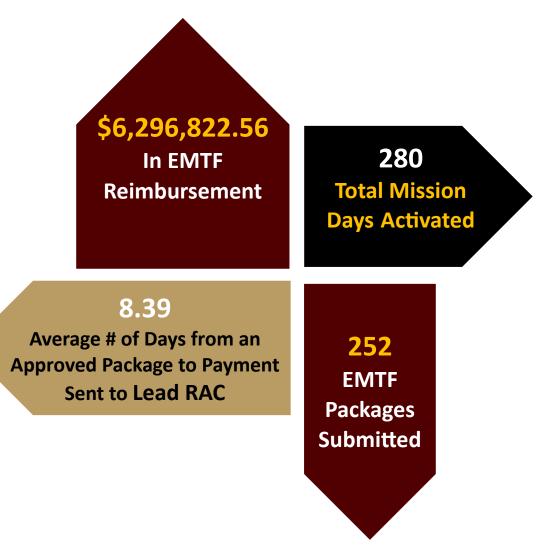
The following are 2024 Program Year After Action Items obtained by surveys and Work Group discussions:

- Training, Training, Training
 - Increase training opportunities for all components
 - Collaborate with state response partners on statewide training
 - Collaborate with regional partners on regional training
 - Develop and implement training plan designed to provide members with TX EMTF specific training and education objectives
 - TX EMTF Program Awareness
 - Basic Deployment Education
 - Packing
 - Rostering
 - Convoy Traveling
 - Mission Profiles
 - Documentation
 - Demobilization
 - Develop Component Specific Training
 - MMU Operations
 - MMU Logistics
 - TAC MED Operations
 - TX EMTF Systems and Applications
 - WAVE
 - Asset Trak
 - WebEOC
 - Pulsara
 - Star Link
 - MSAT
- Resource Management
 - Clearly define statuses and processes for tracking resources in WebEOC
- Processes
 - Continue to evaluate processes and develop plans to create efficiencies where they exist



Reimbursement

The TX EMTF reimbursement parameters and processes continues to be a best practice. The SCO and DSHS SMOC Finance Team collaborated to adapt the TDEM reimbursement forms to meet TX EMTF reimbursement parameters. The forms. processes, and parameters that were created and tested that make for clear, consistent, and timely reimbursement for our members that deployed to support the State of Texas. The EMTF Program, in conjunction with the DSHS, are committed to timely reimbursement to Sponsoring Entities that provide resources and personnel in times of disaster. Sponsoring Entities are encouraged to file their reimbursement packets through their designated RAC as guickly as possible to ensure timely reimbursement from DSHS. Reimbursement for costs associated with EMTF activities will be processed and paid within 45 days. The 45-day reimbursement timeline will begin only after a completed reimbursement packet is accepted by the DSHS. The Reimbursement Parameters are currently being updated to provide better details to support our members.





Training and Exercising

State Coordinating Office Training Activity

This program year we provided TX EMTF training opportunities for our team members. This allowed us to add to and maintain our rosters as well as maintain competencies across many disciplines. For the PY 2024 the MIST curriculum was evaluated and refreshed for future deliveries. The following provides some details regarding the courses the TX EMTF SCO offered this program year.

Medical Incident Support Team Development Type: Review & Development Number of Sessions: 2

Number Attended: 42 Locations: Austin & Grapevine

Ambulance Staging Management Team CourseType: InitialNuNumber of Courses: 1Loc



TMORT Orientation Type: Initial Number of Courses: 1



Number Trained: 32 Location: San Antonio



Number Trained: 22 Location: Houston





Infectious Disease Response Unit Training Activity

Program Year 2023 saw a declared Ebola Virus Disease outbreak declared in Africa by the World Health Organization. TX EMTF increased training to improve response capabilities and competencies.

IDRU Hospital Augmentation Team Type: Initial Number of Courses: 2

Number Trained: 15 Locations: DFW

41 SCO Led Training Opportunities Completed

Recurring Training Activity

WebEOC Training Type: Initial/Refresher Number of Courses: 22 Number Trained: 165 Locations: Statewide [virtual]

Monthly Pulsara Training Type: Initial/Refresher Number of Courses: 12 Number Training Patients entered: 803 Locations: Statewide [virtual]

Monthly MSAT Drills Type: Recurring Number of Drills: 11 Number of Positive Contacts: 405

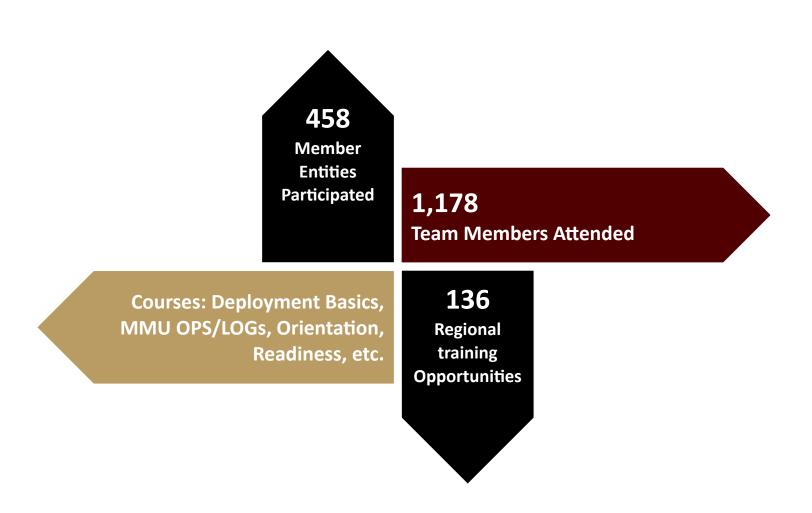
Monthly Wave Drills Type: Recurring Number of Drills: 6 Number of Participants: 93





Regional Training Activity

Regional training is ongoing from year to year and is what maintains our rosters, team members' competencies, updates the teams on new gear or processes, and makes us better and faster at responding. Every region in the EMTF program provides training, from courses on deployment basics to MMU operations to reimbursement. In addition to participating in all the above training opportunities, the regions conducted 60 training opportunities for their members this program year.



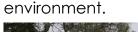


State Drill and Exercise Activity

For Program year 2024, the TX EMTF sponsored two [2] Statewide exercise opportunities as detailed below. These training opportunities were made available to all TX EMTF members and included WLFS components, Overhead teams, MMU staff and AMBUS. These [2] training events were occurring simultaneously with WLFS State Mission Assignments.

Wildland Fire Support Reveille Peak Ranch Exercise

Dates: February 27 – March 2, 2024 Location: Reveille Peak Ranch Marble Falls, TX (Burnet County) EMTF 7 Components Activated: [8] MEDL, [8] WPU, [2] REM Number of Personnel: 48 Number of Assets: 20 EMTFs Participating: EMTF 1,2,4,6,7,8,9,11 TX EMTF collaborated with the Texas A&M Forest Service on a training exercise at Reveille Peak Ranch. The exercise consisted of didactic training on communications, land navigation and helicopter operations with multiple scenarios designed to test communications, response coordination and extraction from a wildland













TEEX Disaster Day Exercise

Dates: February 29, 2024

Location: TEEX Disaster City College Station, TX (Brazos County) EMTF 7

Components Activated: [4] TFL, [6] MIST, [1] AMBUS, [1] 2.0 MMU w/ Logistics Staff and

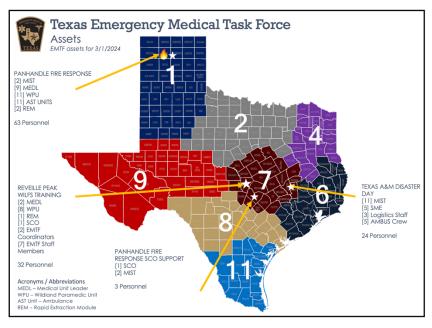
[3] TMORT Staff

Number of Personnel: 22 Number of Assets: 2

EMTFs Participating:

EMTF 2,4,6,7,8

TX EMTF collaborated with the students and planning personnel from Texas A&M University on a training exercise at TEEX Disaster City. The exercise was scenario driven from students with TX EMTF staff providing exercise support and assets for the day of the exercise.

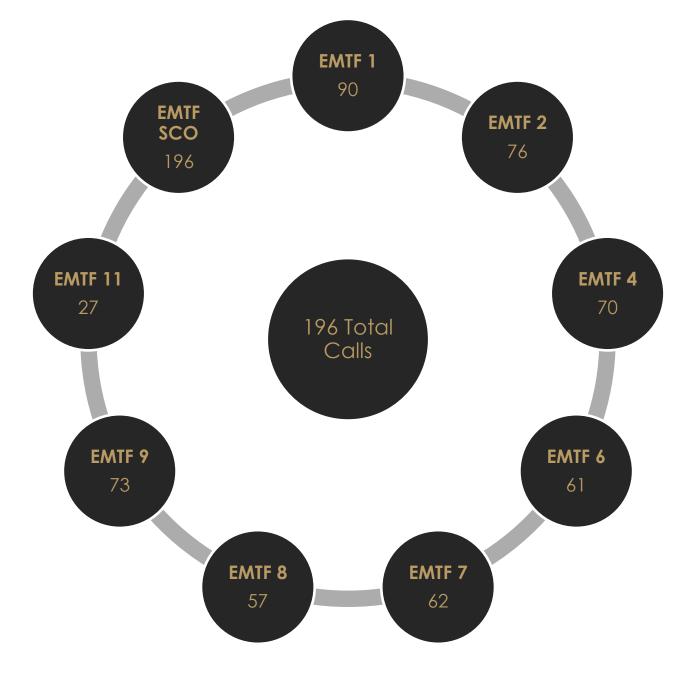






State Coordinating Office Call-Down Drills

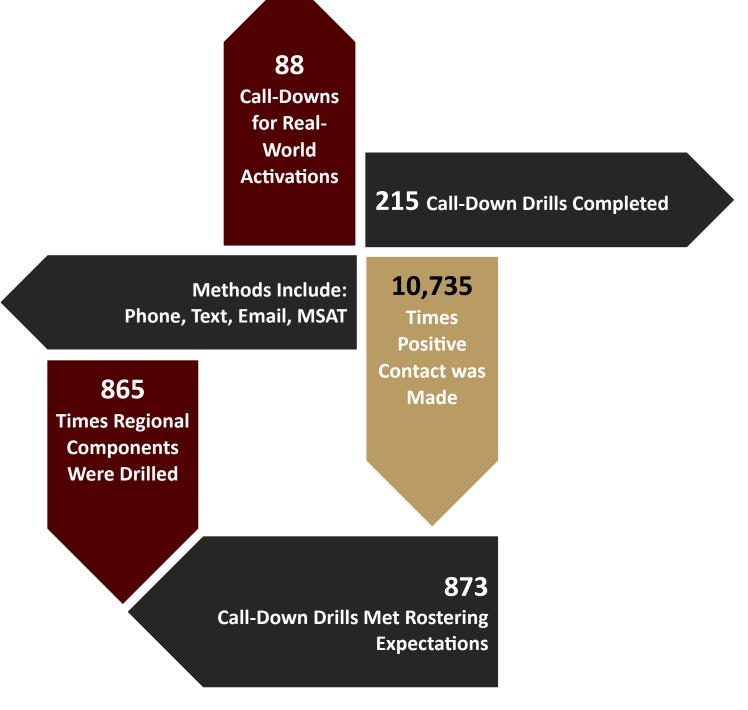
The SCO conducts unannounced call-down drills with each of the eight EMTF Coordination Centers at least quarterly. This is to test the 24/7 contacts for the Coordination Centers via phone, email, and the Regional EMTF Coordinator. Each region maintains a 24/7 contact phone number and an email distribution list address for official State Mission Assignment traffic and intelligence. At a minimum, each of these contact methods are tested twice a year however real-world call-downs are also included. Here are the results of this Program Year's tests and live call-down results.





EMTF Regional Call-Down Drills

Each EMTF Region also conducts call-down drills. These drills test notification systems and processes to verify contact information, update rosters, and ensure we can activate personnel and assets as quickly as possible. These drills are conducted unannounced and at a minimum, semi-annually. We ask that our members and points of activation provide us with 24/7 contact information so we can reach them at any time. We also capture real activation call-down information so we can track our notification system efficacy.





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Acronyms and Abbreviations

AAR – After Action Review/Report ACS – Alternate Care Site AHJ – Authority Having Jurisdiction ALS – Advanced Life Support AMBUS – Ambulance Bus AO – Area of Operations; Operational Area AOR – Area of Responsibility AMST – Air Medical Strike Team ASMT – Ambulance Staging Management Team AST – Ambulance Strike Team AST – Ambulance Strike Team

BLS – Basic Life Support

BOO – Base of Operations

CDC – Centers for Disease Control & Prevention

CERT – Community Emergency Response Team

CI/KR – Critical Infrastructure and Key Resources

CISM – Critical Incident Stress Management

DC – District Coordinator

DDC – Disaster District Committee/Chair

DHS – U.S. Department of Homeland Security

DMAT – Disaster Medical Assistance Team

DMORT – Disaster Mortuary Operational Response Team

DPMU – Disaster Portable Morgue Unit

DPS – Texas Department of Public Safety

DSHS – Texas Department of State Health Services

EM – Emergency Management

EMAC – Emergency Management Assistance Compact

EMTF – Emergency Medical Task Force

EOC – Emergency Operations Center

EOP – Emergency Operations Plan

ESF – Essential Support Function

FEMA – Federal Emergency Management Agency

FOD – Foreign Objects and Debris

FOGS – Forward Operating Group Supervisor

GRP SUP / GS – Group Supervisor

HAZMAT – Hazardous Materials

HHS – U.S. Department of Health and Human Services



HR – Human Remains HSR – Health Service Region

IAP – Incident Action Plan IC – Incident Commander

- ICP Incident Command Post
- ICS Incident Command System
- IMT Incident Management Team

JIT – Just in Time

LHA – Local Health Authority

LHD – Local Health Department

MCI – Mass Casualty Incident

MEDL – Medical Unit Leader

MERC – Mortuary Enhanced Remains Cooling System

MICU – Mobile Intensive Care Unit

MIST – Medical Incident Support Team

MISTL – Medical Incident Support Team Leader

MMU – Mobile Medical Unit

MOA – Memorandum of Agreement

MOC – Medical Operations Center

MPV - Multi-Patient Vehicle

MRP – Mission Ready Package

NDMS – National Disaster Medical System

NIMS – National Incident Management System

NRF – National Response Framework

NRP – National Response Plan

OEM – Office of Emergency Management OPS MGR – Operations Manager

PIO – Public Information Officer POA – Point of Activation POC – Point of Contact POD – Point of Distribution

QRF – Quick Response Force

RAC – Regional Advisory Council RMOC – Regional Medical Operations Center RNST – Registered Nurse Strike Team RNSTL – Registered Nurse Strike Team Leader RRU – Radiological Response Unit



SAR – Search and Rescue SCO – State Coordinating Office SMA – State Mission Assignment

SMOC – State Medical Operations Center

SO – Safety Officer

SOC – State Operations Center

SOG – Standard Operating Guidelines

SOP – Standard Operating Plan

STAR – State of Texas Assistance Request

STL – Strike Team Leader

TACMED – Tactical Medic/Medicine
TDEM – Texas Division of Emergency Management
TDMS – Texas Disaster Medical System
TDVR – Texas Disaster Volunteer Registry
TFL – Task Force Leader
TFS – Texas A&M Forest Service
TMD – Texas Military Department
TMORT – Texas Mass Fatality Operational Response Team
TSA – Trauma Service Area
TSICP - Texas Statewide Interoperability Channel Plan
TX EMTF – Texas Emergency Medical Task Force
TX ETN – Texas Emergency Tracking Network
TXMF – Texas Military Forces

WLFS – Wildland Fire Support

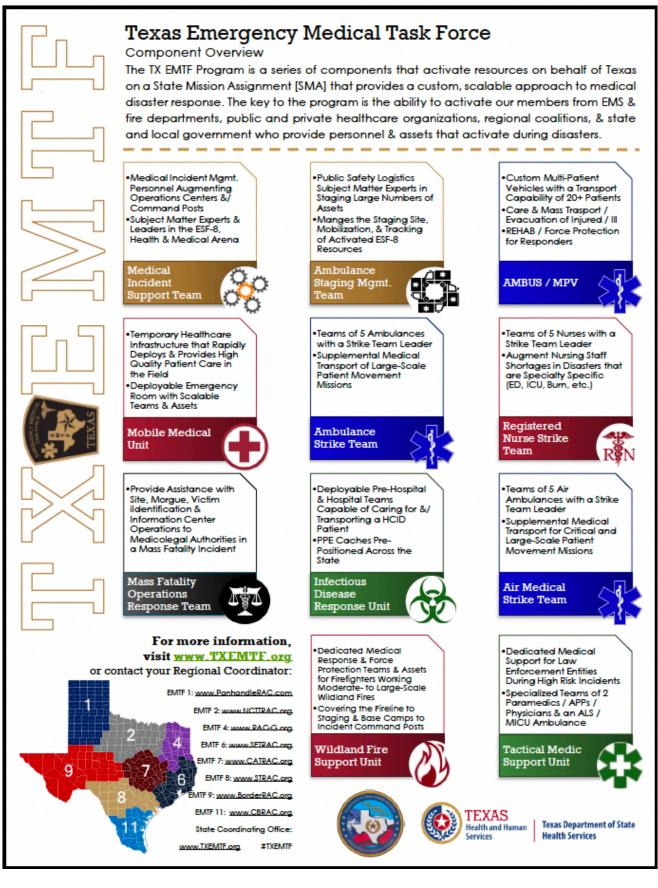
WPU – Wildland Paramedic Unit



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TX EMTF Program Flyers [1-PAGERS]



Component Overview

- 36 -

AMBUS / MPV

[Ambulance Bus / Multi-Patient Vehicle]

MISSION

- Primary mission is to provide advanced medical transport and evacuation services for a large-scale disaster.
- Secondary missions include responding to mass casualty incidents, incident support, firefighter rehabilitation, and other appropriate, like missions
- AMBUSs are incorporated into local & regional response plans in addition to being available for a state activation

CAPABILITIES

- 24/7 response capable, mobile intensive care capable, vehicle configurable to support up to [20-22] littered patients, or [24-30] seated patients, or a combination thereof [can support wheelchairs & isolets]
- Crew compliment is [6] with a minimum of [4] Paramedic care givers for state mission assignments.
 (Local / Regional staffing varies by host agency)
- The TX EMTF has [16] AMBUSs pre-positioned with host EMS/FD members

TYPING/STAFFING

AMBUS:

Custom ambulance, licensed Specialty Vehicle, Mobile Intensive Care Unit [MICU] with advance medical monitoring & equipment, integrated electrical, oxygen & communication systems

Personnel / Asset Counts

[7] Personnel [State Mission Assignment]

[6] AMBUS Crew: [4] Paramedic minimum

[1] Strike Team Leader

Local/regional staffing varies by mission/host agency

[2] Vehicles

[1] AMBUS/MPV [1] EMS CMD Vehicle

Component Overview

AST & AMST

[Ambulance & Air Medical Strike Teams]

MISSION

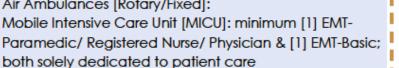
- Primary mission is to provide medical transport & evacuation services during a large-scale disaster.
- Secondary missions include responding to mass casualty incidents, firefighter rehabilitation, incident support for all hazards, & other appropriate, like missions.
- Strike teams are incorporated into regional response plans in addition to being available for a state activation

CAPABILITIES

- 24/7 response capable, mobile intensive care / advanced / basic life support ambulances (based upon license & crew credentials]
- A Strike Team is comprised of 5 [ground or air] ambulances led by a Strike Team Leader in an EMS Command vehicle
- Over 300 EMS, Fire, & Air Medical Providers are TX EMTF members, deployable on behalf of the State of Texas
- Each of the [8] EMTF Regions recruits strike teams that provide 35+ deployable teams

TYPING/STAFFING

 Ground Ambulances: Basic Life Support [BLS]: minimum [2] emergency care attendants Advanced Life Support [ALS]: minimum [1] EMT-Intermediate & [1] EMT-Basic Mobile Intensive Care Unit [MICU]: minimum [1] EMT-Paramedic & [1] EMT-Basic Air Ambulances [Rotary/Fixed]: Mobile Intensive Care Unit [MICU]: minimum [1] EMT-





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Personnel / Asset Counts

AST:

- [11] Personnel
- [2] Medics/Ambulance
- [1] Strike Team Leader
- [6] Vehicles
- [5] Ground Ambulances [1] EMS CMD Vehicle

AMST:

- [11+] Personnel [2] Medics / Aircraft [+Flight Crew*] Strike Team Leader [6] Vehicles [5] Air Ambulances
- [1] EMS CMD Vehicle
- Flight Crew is aircraft specific





Component Overview

[Mobile Medical Unit]

MMI

MISSION

- Augment & support the needs of a disaster impacted community with temporary healthcare infrastructure that is configurable to the incident.
- Primarily used for the initial triage, treatment, stabilization & transfer purposes but may be used for a variety of other missions. [the MMU is not intended for long term care]

CAPABILITIES

- 24/7 response asset providing care for a variety of acuity levels while providing triage, treatment, transfer, & or discharge.
- Physical assets to create a self-sufficient, tent & trailer based, field hospital or ER [based upon the number of beds needed].
- Medical equipment, supplies, & a pharmaceutical cache was specifically developed for the MMU.
- Over 175 Hospitals, Healthcare Systems, & Physician Groups provide the deployable team members who actively practice in an acute care setting every day.
- MMUs are pre-positioned in all [8] TX EMTF Regions.

TYPING/STAFFING

- Typing is dependent upon number of beds, mission duration, & number of patient beds.
- MMU's are typed in [6] scaled personnel & asset packages that range from a team of [5] for [4-8] beds for a single shift/day to a team of [36] for [32+] beds for multi-day, 24/7 operations.
- MMU teams are comprised of team members that are actively practicing in an acute care setting: Physicians, mid-level practitioners, nurses, paramedics, pharmacy & patient care technicians, clerks, communications/IT technicians, & logistics personnel



Personnel / Asset Counts Staffing & asset profiles are based upon the number of patient beds & duration of patient care coverage needed

[32+] Bed MMU

Type I [operational 24/7] [35-36] Personnel Team Type II [operational 1 Shift/Day]: [19] Personnel Team

 [19] Personnel learn
 Type I/II Asset Profile:
 [6-9] MMU Assets; ~40,000ft2 Site / Area MMU Tent Structure for 32+ Beds, 53' MMU Command Trailer MMU Supply, Pharmacy, & Diagnostic Equipme

- Caches [2] Generators [60-125 kW]
- Personnel Transport & Shelter

[12-16] Bed MMU

[20] Personnel Team

- Type IV [operational 1 Shift/Day]: [11] Personnel Team
- Type III/IV Asset Profile:
- [4-7] MMU Assets; ~22,500ft2 Site / Area MMU Tent Structure for 12-16 Beds 36' MMU Command Irailer
- 36' MMU Command Trailer MMU Supply, Pharmacy, & Diagnostic Equipmen Caches
- [1] Generator [60 kW] Personnel Transport & Shelter

[4-8] Bed MMU

- Type V [operational 24/7]
- [8] Personnel Team
- Type VI [operational 1 Shift/Day]: [5] Personnel Team

Type V/VI Asset Profile:

- [2-3] MMU Assets; ~15,625ft2 Site / Area MMU Tent Structure for 4-8 Beds /
- A Building of Opportunity 36' MMU Command Trailer
- MMU Supply, Pharmacy, & Diagnostic Equipment Caches
- Personnel Transport & Shelter





Component Overview

RNST [Nurse Strike Team]

MISSION

 To provide surge nursing staff for an Emergency Department or specialty area [ICU, burn unit, etc.] nursing staff, to a disaster inundated or impacted

CAPABILITIES

- Rapidly deployable, [24/7] statewide response asset
- A strike team is composed of [5] registered nurses able to augment a requesting facility's staffing with credentialed nursing staff.
 [Requested RNST will adhere to requesting facility's

disaster credentialing processes & policies]

- Over 175 Hospitals & Healthcare Systems provide the deployable team members who are actively practicing clinicians.
- RNSTs are rostered in all [8] TX EMTF Regions.

TYPING/STAFFING

- A strike team is staffed with 5 registered nurses of the same specialty with one team member designated as the Strike Team Leader.
- RNSTs are comprised of team members that are actively practicing in the team's designated clinical setting.
 - Current RNSTs include the following specialties: Emergency Department Internal Medicine/Surgical Pediatrics Labor & Delivery Intensive Care Unit Neonatal Intensive Care Unit Burn Unit





Personnel / Asset Counts [5] Personnel [5] Nurses [1] Designated as a Strike Team Leader [3] Vehicles







Component Overview

ASMT [Ambulance Staging Management Teams]

MISSION

- Provide management & oversight of the Ambulance Staging Area during an incident.
- The ASMT is responsible for the facilities being utilized, for the accountability of all units & personnel in staging, & logistics support for the resources on site.

CAPABILITIES

- Rapidly deployable, 24/7 statewide response asset.
- The ASMT maintains a base camp that provides all the tracking, rehabilitation, & logistics needs for staged units & support personnel to include fuel, medical supplies, medical gas, food, water, hygiene, communications, & maintenance.
- ASMT personnel are selected from our EMS, Fire, & Hospital entities & received specialized training.
- Each of the [8] EMTF Regions recruits & rosters ASMT personnel.

TYPING/STAFFING

- Typing is dependent upon the number of units to be staged & the mission duration.
- Staging sites can be set up for a single operational period for [25] or fewer units with [2] personnel / scaled up to a multi-day, [500+] unit site managed by a team of [40] personnel.
- ASMTs are composed of the following positions:
 - Ambulance Staging Managers
 - Vehicle Staging Team Leaders Vehicle Staging Technicians
 - Mission Tasking Team Leaders Mission Tasking & Accountability Technicians
 - Administrative Team Leaders Data Entry & Documentation Technicians
 - Logistics Team Leaders Communications & Logistics Technicians



Personnel / Asset Counts

[500] Unit Staging Site

- Type I [sustained 24/7 OPs]
- [40] Personnel Team Type | Asset Profile:
- [20-25] ASMT Assets; ~350,000ft2 Site / Area 53'-36' Command Traile
- 40° Staging Support Unit: Check-in/out Trailer/CONEX, Support Cache, Skid Steer, Co
- [2-4] Generators [d0-200 kW]; [8-12] Light Towers [2-4] All Terrain/Utility vehicles
- ADMIN, Parking, & COMM Packages ASMT Personnel Transport
- ~1300 Responders Shelter

[250] Unit Staging Site

- Type II [sustained 24/7 OPs]
- [26] Personnel Team Type II Asset Profile:
- [15-20] ASMT Assets; ~200,000ft2 Site / Area 53'-36' Command Trailer
- 40' Staging Support Unit: Check-in/out Trailer/CONEX, Support Cache, Skid Steer, Co
- [2] Generators (60-200 kW]; [6-8] Light Towers [2-3] All Terrain/Utility vehicles
- ADMIN, Parking, & COMM Packages ASMT Personnel Transport
- ~650 Responders Shelter

[125] Unit Staging Site

Type III [sustained 24/7 OPs] / [single OP]:

- [14] Personnel Team. / [6] Personnel Team
- Type III Asset Profile:
- [10-18] ASMT Assets; ~100,000ft2 Site / Area 53'-36' Command Trailer
- 40° Staging Support Unit: Check-in/out Trailer/CONEX, Support Cache, Skid Steer, Cone: [2] Generators (60-200 kW); [4-6] Light Towers
- [2] All Terrain/Utility vehicles ADMIN, Parking, & COMM Packages
- ASMT Personnel Transport ~330 Responders Shelter

[25] Unit Staging Site

Type IV [sustained 24/7 OPs] / [single OP]: [6] Personnel Team / [3] Personnel Team

- Type IV Asset Profile:
- [7-12] ASMT Assets; ~30,000ft2 Site / Area 36' Command Trailer
 - [1] Generators [60kW]; [2-4] Light Towers ADMIN, Parking, & COMM Packages
- ASMT Personnel Transport
- ~100 Responders Shelter





Component Overview

MISSION

MIST

 Trained acute healthcare leadership providing Health and Medical subject-matter expertise & support to local jurisdictions, healthcare facilities & local health care infrastructure during disasters.

[Medical Incident Support Teams]

CAPABILITIES

- Rapidly deployable, 24/7 statewide response asset.
- MIST deploy to impacted emergency & medical operations centers, & DDCs to provide integrated ESF-8 [Public Health & Medical] support to authorities, government agencies, hospitals, & state, regional, / local response partners during incidents.
 MIST Leader [5] MIST [3-4] Vehicles EMS CMD / SUV COMM Package Remote Office Package
- MIST personnel are selected & received specialized training. TX EMTF MIST members come from the leadership of EMS, Fire, & Hospital member entities.
- Each of the [8] EMTF Regions rosters MIST personnel.

TYPING/STAFFING

- Staffing is based upon personnel needs by location & are typed as teams of [2] or [6] personnel, [1] of which is designated as the Team Leader.
- MIST personnel come from all component & mission profiles to cover the full spectrum of ESF-8 activations the TX EMTF responds to.
 - Specialized components / mission profiles include but are not limited to:
 - TX EMTF Overhead Team staff
 - Incident command posts & emergency & medical operations center liaisons / support
 - Wildland fire support
 - Hospital, nursing home, / assisted living center evacuations
 - Infectious disease response
 - Mass fatality response, etc.



Personnel / Asset Counts Type I: [6] Personnel [1] MIST Leader [5] MIST [3-4] Vehicles EMS CMD / SUV type COMM Package Remote Office Package

Type II:

[2] Personnel
[1] MIST Leader
[1] MIST
[1-2] Vehicles
EMS CMD / SUV type
COMM Package
Remote Office Package











MISSION

Provide operational assistance to medicolegal authorities with incident site, deployable morgue, victim identification center, & victim information center operations following a mass fatality incident that overwhelms a local jurisdiction.

CAPABILITIES

- Available statewide as an activated, 24/7 response asset
- TMORT is composed of [4] teams that can deploy independently or all at once on behalf of the State:
 - Incident Site Team (IST): Conduct scene investigations to locate, document, & recover human remains & personal effects. Staffina: Human Remains Recovery, Mapping, & Evidence Tracking Specialists
 - Morgue Operations Team (MOT): Conduct disaster morgue operations to examine human remains. Staffing: Admitting, Triage, Storage, Personal Effects, Photographers, Radiographers, Pathologists, Autopsy Assistants, Dentists, Anthropologists, DNA & Fingerprint Specialists, & Exit Review. [Disaster Portable Morgue Unit is maintained by SETRAC in Houston]
 - Identification Review Team (IRT): Compares antemortem & postmortem data to identify human remains. Staffing: Dependent on the ID methods MOT: [41] Personnel / [8-13] Assets used, & could include Anthropologists, DNA Scientists, Fingerprint Analysts, Pathologists, Odontologists, &/or Death Investigators.
 - Victim Information Center Team (VICT): Conducts family interviews, gathers antemortem data, & collects DNA samples. Staffing: Family Interviewers, Records Collection & Management, Personal Effects, & DNA Reference Collectors.
 - TMORT will collaborate with jurisdictions in the set-up of Family Assistance Centers [FAC] however, FAC staffing & operations are the jurisdiction's responsibility.
- Medical examiners' offices, academic institutions, & private entities provide the deployable team members for the TMORT.

TYPING

Matrix for determining TMORT team requests: [scaled & typed by fatality count & incident variables]

Type I	Туре І	Type II	Type II	Multiple Locations
Type I	Туре I	Type II	Type III	Contaminated
Type I	Type I	Type II	Type III	Charred
Type I	Type I	Type II	Type IV	Fragmented, Commingled
Type I	Type II	Type III	Type IV	Intact, Visually Recognizable
Est. 100 fatalities	Est. 50 fatalities	Est. 25 fatalities	Est. 10 fatalities	





Personnel / Asset Counts Staffing & asset profiles are typing dependent. Each team has [4] scaled teams typed.

Type I Teams:

IST: [25] Personnel / [8-14] Assets IRT: [7] Personnel / [2-3] Assets VICT: [29] Personnel / [6-7] Assets

Type II Teams:

IST: [17] Personnel / [7-13] Assets MOT: [28] Personnel / [7-11] Assets IRT: [5] Personnel / [2-3] Assets VICT: [16] Personnel / [4-5] Assets

Type III Teams:

IST: [15] Personnel / [4-9] Assets MOT: [21] Personnel / [5-9] Assets IRT: [5] Personnel / [2-3] Assets VICT: [10] Personnel / [2-4] Assets

Type IV Teams: all teams [1-2] Personnel / [1] Asset



Component Overview

IDRU

Infectious Disease Response Unit]

MISSION

 Augment & support the needs of the hospital and regional emergency healthcare system with the care, transport, & or transfer of patients with a high consequence infectious disease [HCID].

CAPABILITIES

- Rapidly deployable, 24/7 statewide response asset.
- IDRU teams staffed with qualified pre-hospital & hospital providers with specific training to <u>state-wide standard</u> <u>PPE</u> caches, capable of caring for & transporting a patient with a HCID anywhere in the state.
- Caches pre-positioned in all [8] TX EMTF Regions:
 [8] Pre-Hospital Transport Caches; [1] in each TX EMTF Region
 [13] Hospital Augmentation Support Caches
 - [8] 24-HR Caches; [1] in each TX EMTF Region
 - [4] 72-HR Caches; in El Paso, Arlington, San Antonio, & Houston
 [1] 10-Day Cache; in San Antonio

TYPING/STAFFING

- IDRU Hospital Augmentation, EMS Transport, & Cache Management teams are comprised of:
 - Pre-Hospital Transport Team: Group Supervisor, Medical Incident Support Team [MIST], Physician, Paramedics, & EMTs, HAZMAT Technicians *
 - Hospital Augmentation Team: Group Supervisors, Medical Incident Support Team [MIST], Physicians, Registered Nurses, Paramedics, & Logistics Specialists *
 - Cache Management Team: Medical Incident Support Team [MIST], Logistics Specialists, & IDRU PPE Trainers
 - * Respiratory Technicians & Infectious Disease subject matter experts will be available virtually & to respond as requested
- ALL IDRU team members, at a minimum, attend TX EMTF IDRU Didactic training.



Personnel / Asset Counts

Pre-Hospital Transport Team:

- [14] Personnel / [9] Assets Nearest Transport Cache [1] HAZMAT Vehicle w/DECON
 - capability
 - [2] ALS/MICU Ambulances
- [2] EMS CMD Vehicles
- [2] Personnel Transport Vehicles [1] Box Truck

Hospital Augmentation Team:

- [16] Personnel / [7] Assets Nearest 24-HR Hospital
- Augmentation Cache; 72-HR Cache on ALERT; 10-Day Cache on STANDBY
- [1] MIST/CMD Vehicle
- [4] Personnel Transport Vehicles
- [1] Box Truck

Cache Management:

[6] Personnel / [3] Assets

- MIST/CMD Vehicle
- [1] Personnel Transport Vehicle
- Box Truck





Component Overview

WLFS*

[Wildland Fire Support Unit]

MISSION

- Provide dedicated medical response & force protection teams & assets for firefighters responding to moderate to large scale wildland fires.
 - Integrated teams & assets from the fire-line to staging & base camps to incident command posts.

CAPABILITIES

- A suite of teams & assets, both new & pre-existing, support the WLFS mission;
 - Pre-existing TX EMTF components that support this mission: AMBUSs, Ambulance Strike Teams [air (AMST) & [1-2] Vehicles ground(AST)], Medical Incident Support Teams [MIST], & Mobile Medical Units [MMU]
 - WLFS elements specific to this component: Wildland Paramedic Units [WPU]; Rapid Extraction Module [REM]
 - Medical Unit Leader [MEDL] cross-trained MIST

TYPING/STAFFING

- Wildland Paramedic Units [WPU]:
 - [2] Paramedics, mobile [4X4 SUV&/ATV], ALS capable
 - WPUs operate just behind the fire-line, in close proximity to working fire crews to provide rapid ALS level care to firefighters
 - S-130 & S-190 qualified w/ appropriate Wildland Fire PPE
- Rapid Extraction Module [REM]:
 - [4] Rescue Technician Paramedics, ALS capable, mobile [4X4 SUV&/ATV] with technical rescue gear
 - REMs operate near the fire-line, in close proximity to working fire crews in rough terrain to facilitate rapid access, extraction, & care for injured/ill firefighters
 - S-130 & S-190 qualified w/ appropriate Wildland Fire PPE, Rope Rescue Technician, & S-270 & S-271
- Medical Unit Leader [MEDL]:
 - MIST w/ wildland fire experience
 - MEDLs operate in operations centers and incident command posts assisting & coordinating the incident Medical Plan
 - S-359 Medical Unit Leader training

*WLFS is a developing component



Personnel / Asset Counts Staffing & asset profiles are based upon the number of responders, duration of the operational periods, & size, scope, & characteristics of the incident

WPU: [2] Paramedics [1-2] Vehicles [1] EMS CMD Vehicle [4X4] [1] All-Terrain Vehicle

REM: [4] Rescue Tech Paramedics [2-3] Vehicles

[1-2] EMS CMD Vehicle [4X4] [1] All-Terrain Vehicle

MEDL: [2] MIST members [1-2] EMS/SUV CMD Vehicle





