

Texas Division of Emergency Management State Operations Center

Texas RACES

CCG
AUXCOMM
Guadelupe River Response

Texans Serving Texans



Texas Division of Emergency Managemen t Administers Texas RACES

- The mission of Texas RACES is to support communications for the *Continuity of Government*
- The Amateur Radio Regulations, Part 97, Subpart E, §97.407, were created by the FCC to describe RACES operations in detail.
- **K5SOC** is the State Texas RACES Station Callsign in Austin.
- Kevin Lemon (KD5KL) is TDEM Administrator of Texas RACES, ESF-2 for Texas and Unit Chief - CCG
- Over 400 Texas RACES Volunteer Ham Radio Operators Stand Ready to Support Cities and Counties Across the State of Texas
- 8 Regions and 24 Districts

Radio Amateur Civil Emergency Service (RACES)

Texas Division of Emergency Management Response Preparation

- •Hurricane
- •Tornado
- •Flood/Flash Flood
- •Winter Storm
- Power Outage
- •Water Shortage
- •Wildfire
- •Mass Fatality
- •HazMat or Chemical
- Terrorist Act
- •Hostage/Stand-off



ADDITIONAL POTENTIAL THREATS TO TEXANS TDEM WILL RESPOND TO

Earthquake
Oil Spill

Economic Loss

Communications

Urban Fire

Building Collapse

Utility Outages

Drought

Disease (Human/Animal

Rail/Pipeline

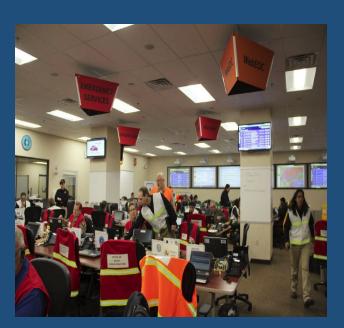
Pandemic Flu

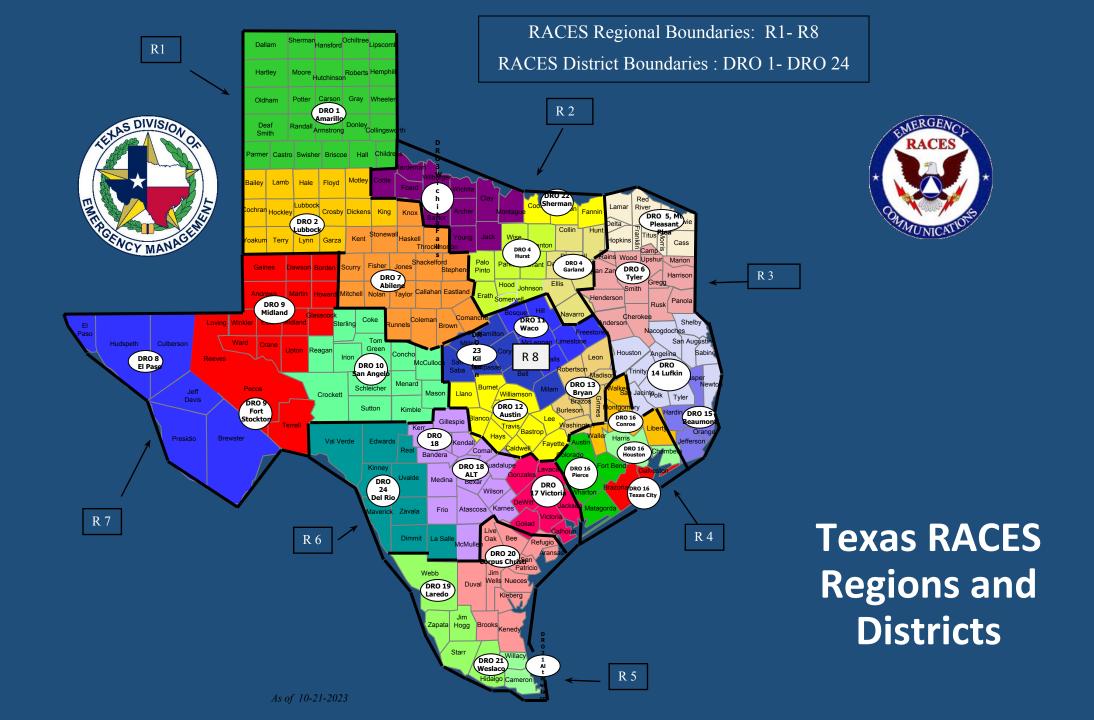
Border Security



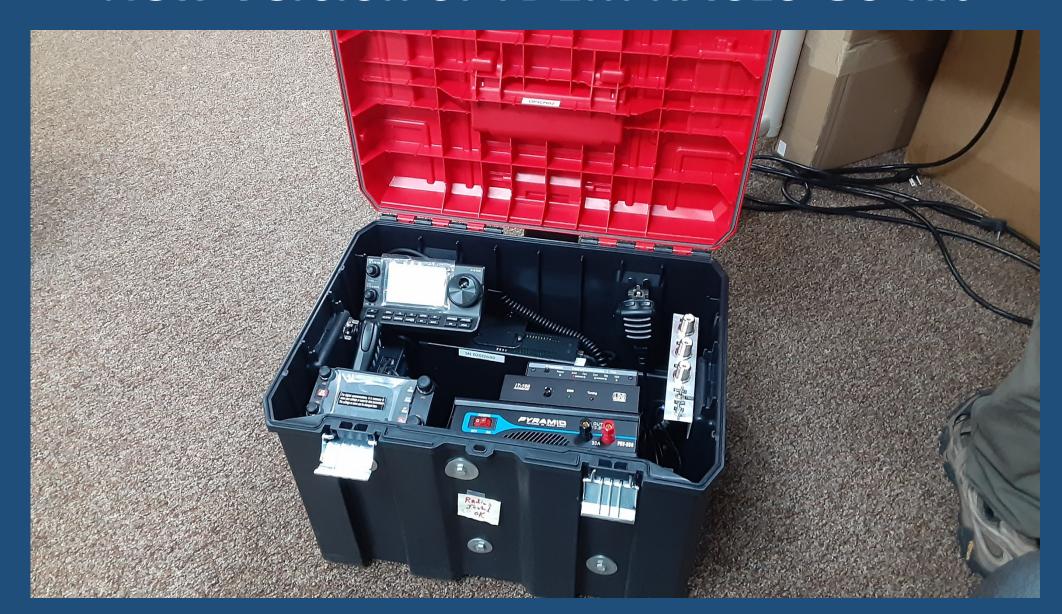
SOC DAILY OPERATIONS ACTIVITIES

- 'The WATCH' Operates 24/7, 365 days a year soc@tdem.texas.gov
- State warning point
- Coordinates assistance to local governments
- Maintains situational awareness
- Situation Reports
- Spot Reports
- STAR Processing





New Version of TDEM RACES Go-Kit

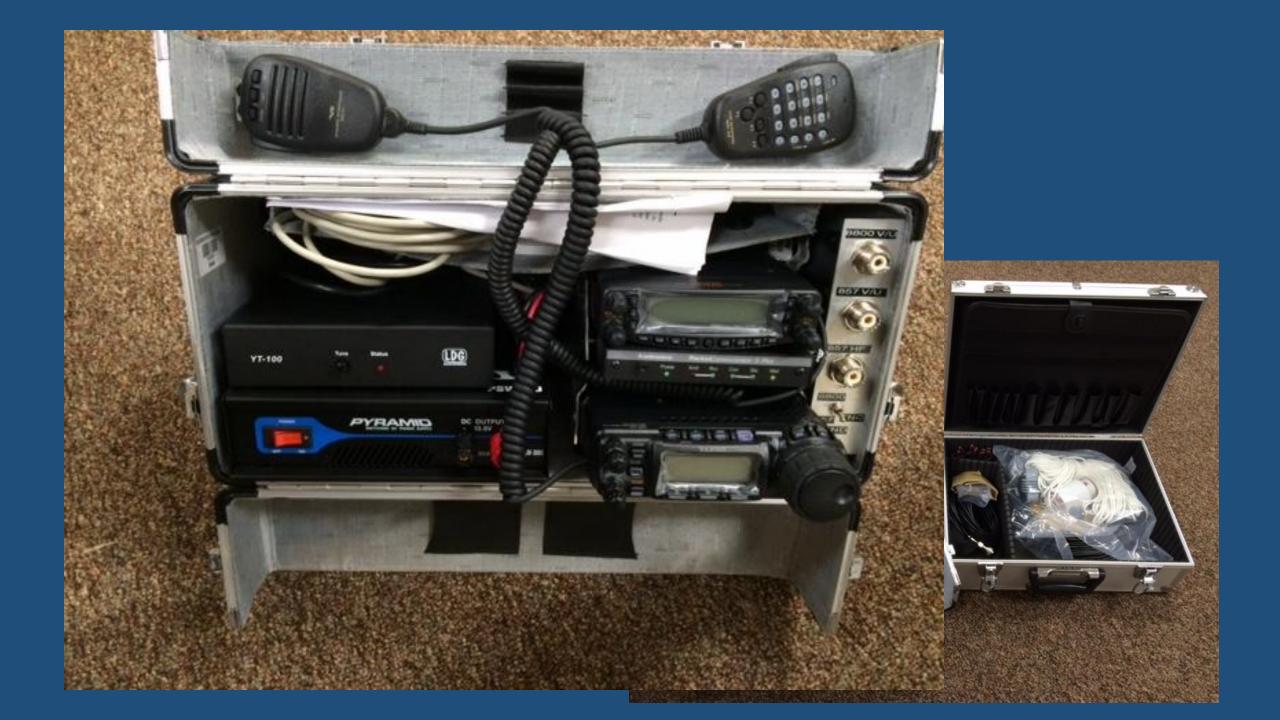


Antennas and Coax for Go-Kit





Older Version of RACES Go-Kits



The EMERGENCY MANAGEMENT COUNCIL AT THE SOC

Consists of:

32 State Agencies

2 Volunteer Organizations

TDEM staff

Private Sector Partners







State Operations Center (SOC) Communications



- Redundant communications systems:
 - ☐ Traditional Land Lines and VoIP Lines from agency's network
 - ☐ Cellular
 - Mobile Satellite
 - ☐ HF Radio FEMA, SHARES
 - ☐ Amateur Radio STATE RACES (HF,VHF,UHF,SHF)
 - ☐ HF, Pactor, Winlink, VHF/UHF, D-Star, Packet, 900Mhz)
 - ☐ Stand alone IT network with voice, data, and video teleconferencing
 - Texas Law Enforcement Telecommunication System (TLETS)
 - ☐ Secure Voice
- Texas Warning System (TEWAS)
- ERCOT Text Link Satellite
- National Warning System (NAWAS)
- Emergency Alert System (EAS)
- WebEOC Serves as our Common Operating Picture (COP)
- Social media monitoring and other information gathering tools

Created by State Statue

Coordinates Entities with Public and Private Communications Systems

Communications Coordination Group (CCG)

Under the Management of Emergency Support Function Two (ESF-2)

Amateur Radio Operations (ARES, RACES, Baptist Men, Salvation Army –SATERN, Army Mars)

AUXCOMM

Wireless (Cellular) Carriers

All State and Local Government Agencies Operating Radio Systems

Cable Service Providers

Texas Military

Broadcast Stations

Amateur Radio

MARS

Members of the CCG

AUXCOM M

Program Developed to Provide Skilled Volunteers for Emergency Management Organizations

The CCG Recommends Local Jurisdictions Make Use of AUXCOMM Volunteers

Texas RACES Volunteers are Background Checked

Amateur Operators with Skills

State Operations Center (SOC) 2025 Radio Systems

1KW FNARS Collins G2 HF Radio

2 Broadband Dipoles

1 HF Log Periodic

P-25 Portables and Mobiles

2 Icom IC 746 Pros

Icom IC 880H D-Star – FM U/V

Yaesu FT 8800 U/V

Kenwood TK 941 900 MHz

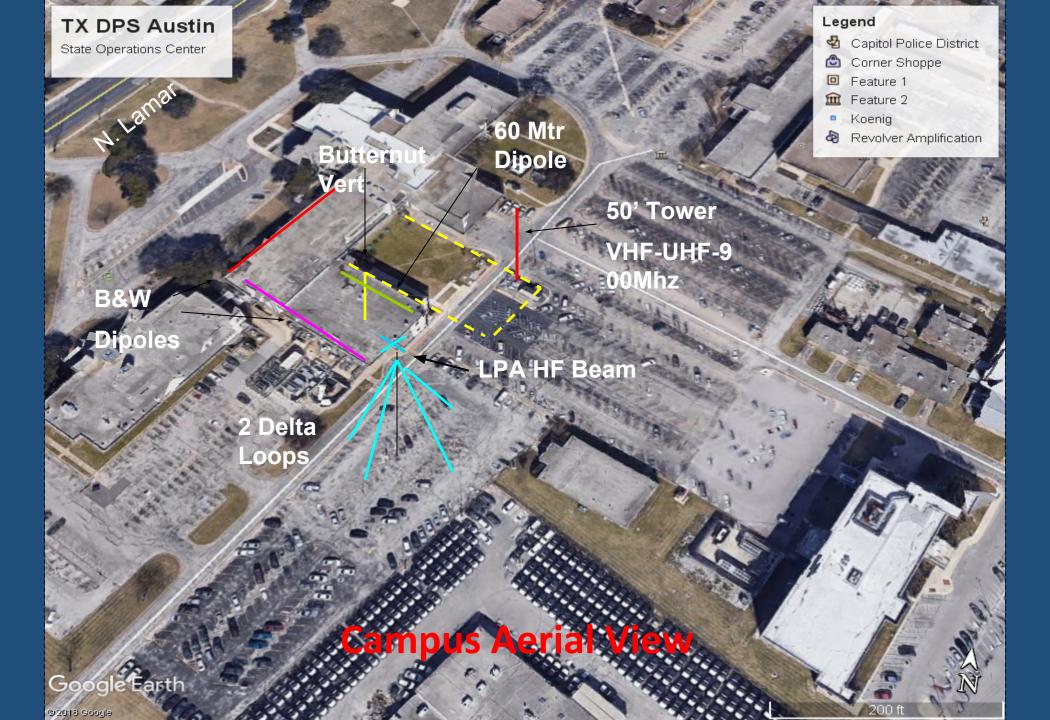
(Texas and Nationwide 900 MHz Network)

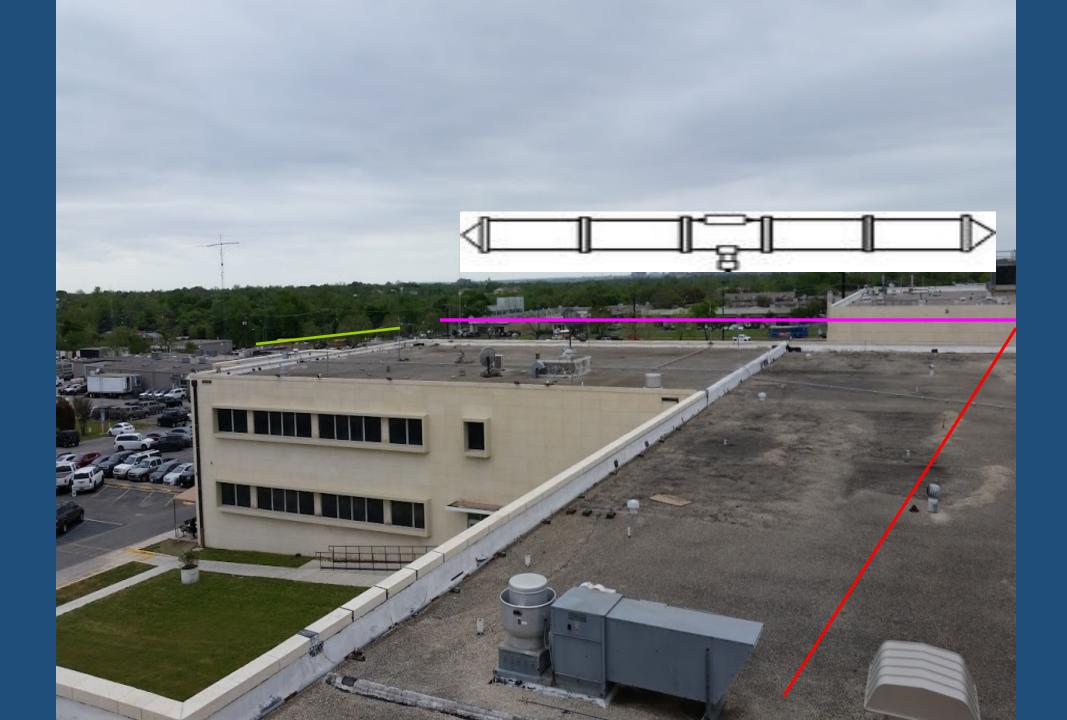
Hardline to All Antennas

12 M-SAT Systems Patchable

Rapid Radio







Antennas on Roof of DPS HQ Building in Austin



Transmission Lines Serves HF and M-SAT Systems



Amateur Radio Response to July 4th Guadelupe Flood

- •Amateurs from Kerr, Kendle, Bexar, Gillespie and Travis Counties
- •Volunteers assisted in Search and Recovery
- •Took the Load Off Of Land Line Telephone Service for Kendle County
- •Unified Command for Four Incident Commands Located at Youth Center in Kerrville Next to the Hill Country Amateur Radio Clubhouse



Local Kerr, Gillespie, Travis, Bexar and Kendall County Hams volunteer for the jobs that are needed to support the response to the Hill Country flood. **SAR Teams now supported by State and Local Communications Providers** Amateur Radio Support Kerr and Kendal County



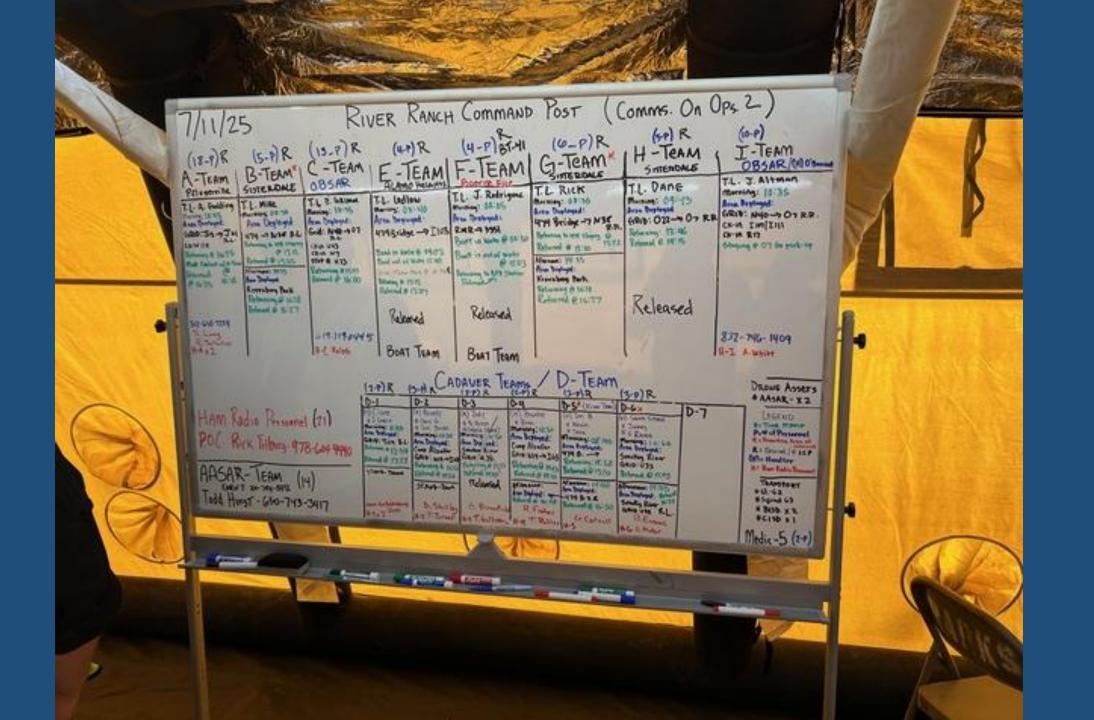


	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun
Date	2-Jul	3-Jul	4-Jul	5-Jul	6-Jul	7-Jul	8-Jul	9-Jul	10-Jul	11-Jul	12-Jul	13-Jul
Total Number Personnel				2	15	18	16	20	18	28		
County Supported												
Kendall					11	11	13	11	14	25		
Kerr					2							
County of Origin												
Bexar						5		6	3	8		
Kendall					11	7	3	6	4	6		
Kerr					2							
Lee						1	1	1	3	3		
Travis				1	1	3	2	4	4	7		
Williamson								1	3	3		
Wilson						2						
Bandera								1	1	1		
Brazoria								1				
Other TX Counties						4	10	5	10	19		



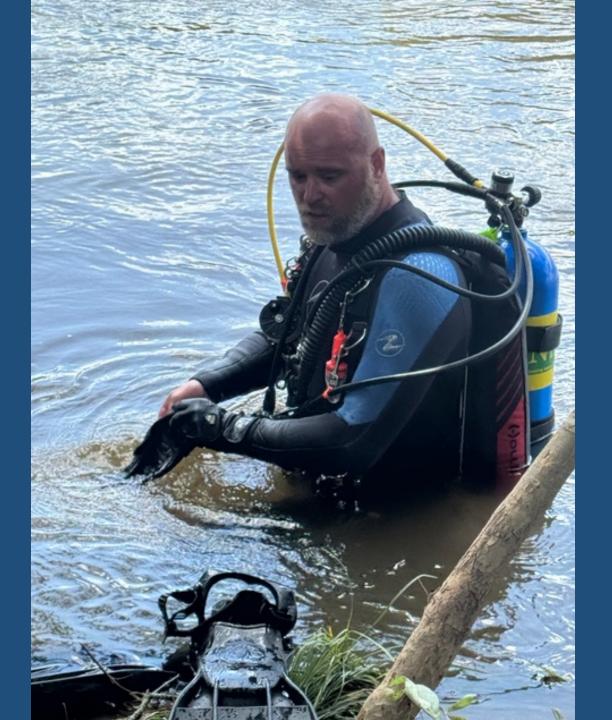


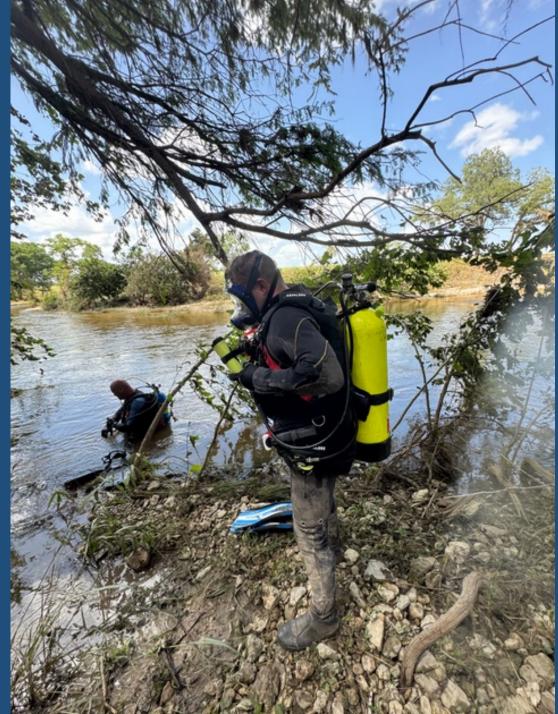


















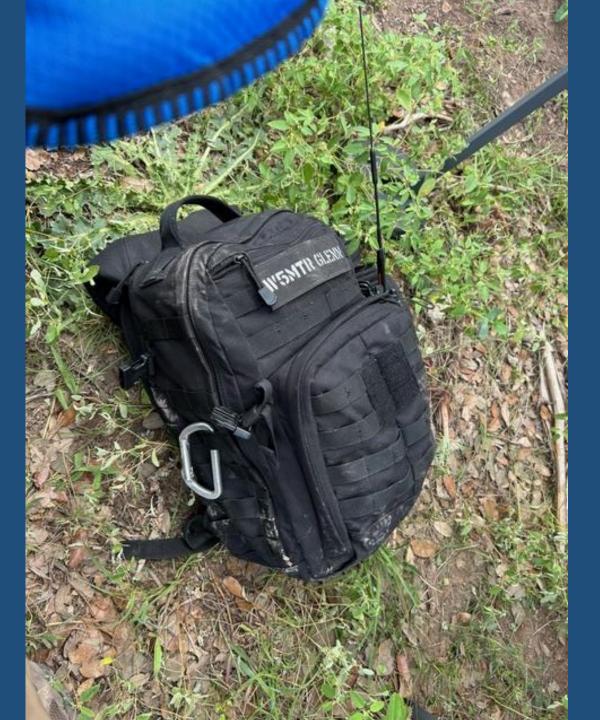








W5MTR Backpack





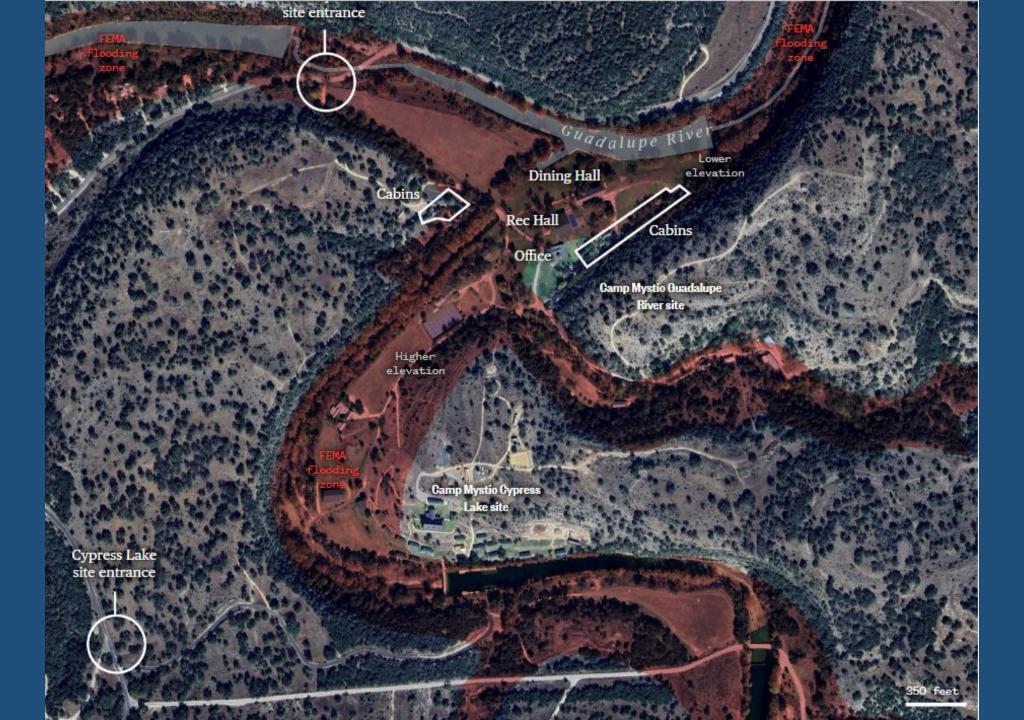
















Compact
Deployable Cell on
Wheels

Texas RACES May Be Asked to Assist





New TDEM HQ and SOC Building



Thank you!

Questions?

