

Tennessee Task Force One

Bringing Urban Search and Rescue to the Rescue



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Overview of Tennessee Task Force 1

- TNTF-1 is 1 of 28 FEMA Urban Search and Rescue Task Forces.

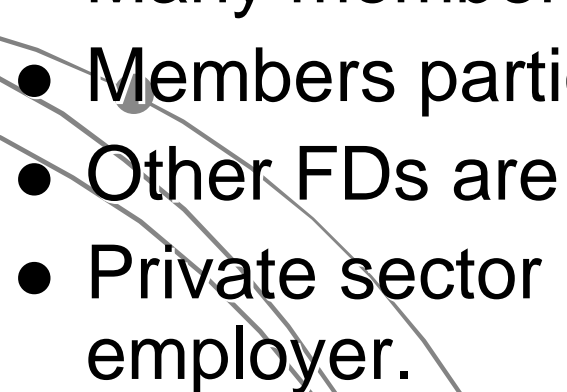
US&R Response System Task Forces



TNTF-1 Past Deployments

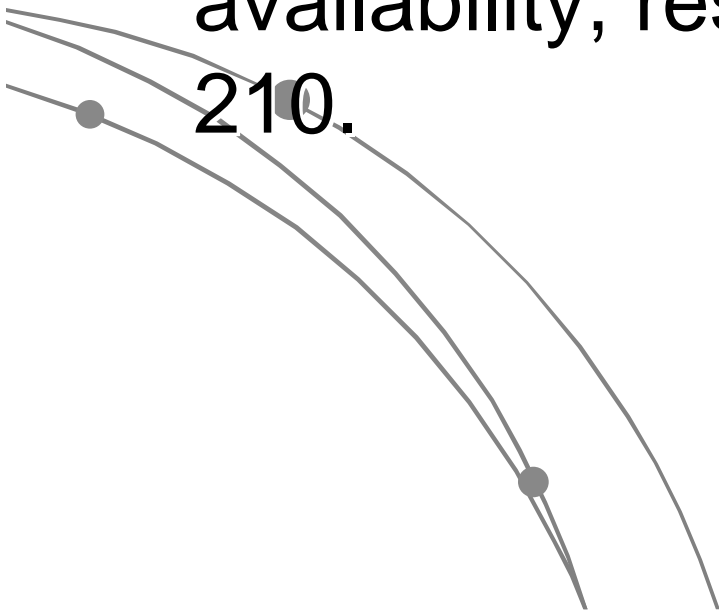
- **Hurricane George's** - September 1998, Louisiana and Mississippi, Deployed to Camp Beauregard, LA. To standby as federal asset.
- **Pentagon** - September 2001, Washington, D.C.
- **2002 Winter Olympics** — February 2002, Salt Lake City, UT, Standby as Federal Asset for Security.
- **Columbia Shuttle Recovery** – February-April 2002, Texas, Assisted with search and recovery operations.
- **Hurricane Isabel** - September 2003, Virginia, Standby at Fort A.P. Hill near Richmond, VA as Federal Asset.
- **Hurricane Charley, Francis, Ivan**, 2004
- **Hurricane Dennis**, 2005

TNTF-1

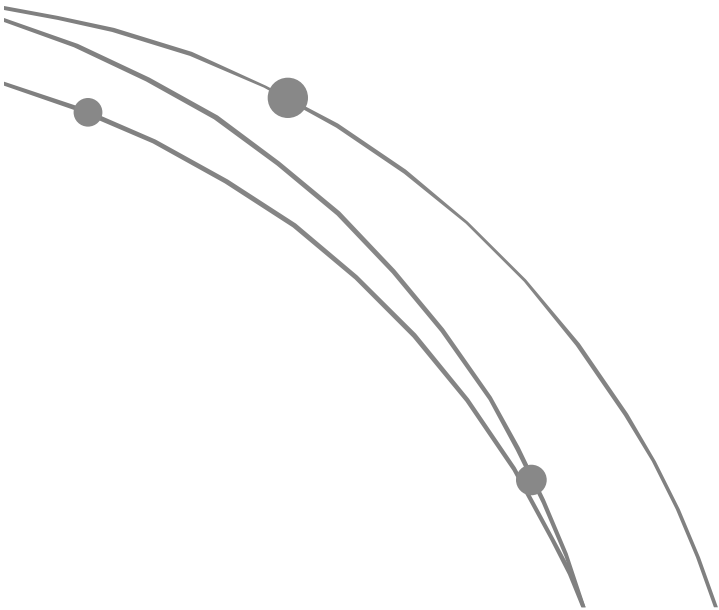
- Sponsored by Memphis Fire Dept.
 - Comprised of volunteers throughout Memphis area.
 - Most from Memphis Fire Dept. and other Fire Depts within Shelby County.
 - Many members from private sector.
 - Members participate through an MOU.
 - Other FDs are Participating Members.
 - Private sector members get MOU with their employer.
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FEMA US&R Task Force

- FEMA US&R Task Force consists of 70 members (2 teams of 35 each to allow 24 hour operations).
- Each position should be 3 deep to assure availability, resulting in team size of about 210.



STAFFING



Task Force Leaders (2)

- Responsible for managing and supervising all search and rescue activities during a mission assignment.
- Coordinates the separate disciplines of search, rescue, medical and technical personnel into an integrated response unit.
- Coordinates with the local incident command, as well as Federal, State and military assets.

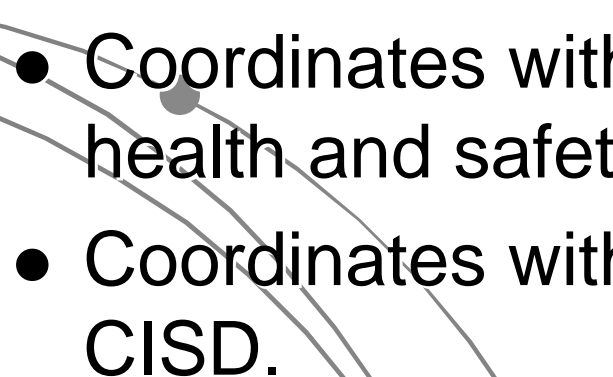


Planning Officers (2)

- Assists Task Force Leaders with development of operational plans.
- Works with TFL to develop daily situation reports, daily briefing reports, and daily work assignments.
- Participates in periodic briefings with FEMA IST and other task forces.

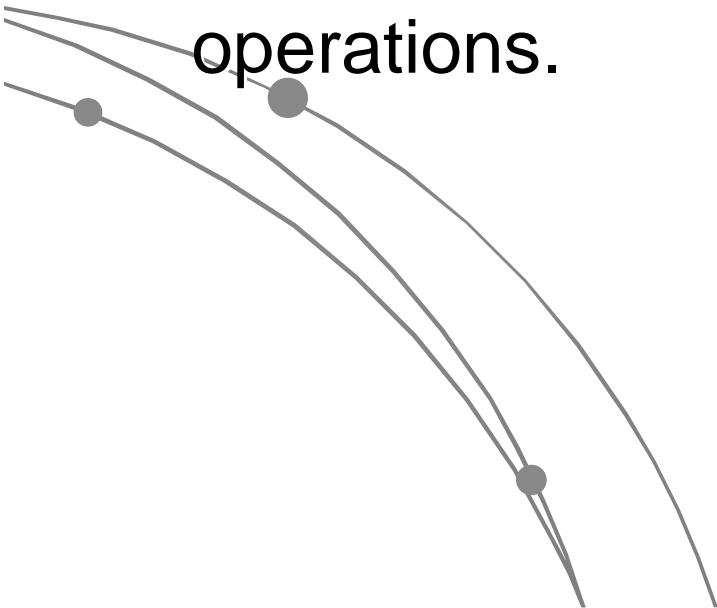


Safety Officers (2)

- Oversees safety aspects for task force during missions.
 - Assures personnel provided with appropriate PPE.
 - Assures accountability of all personnel.
 - Coordinates with Medical Team Managers for health and safety of task force.
 - Coordinates with Medical Team Manager for CISD.
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Search Team Managers (2)

- Manages the search function of the task force during incident operations. This includes canine search and technical search.
- May also serve as a Recon Team Leader.
- Training in both technical and canine search operations.

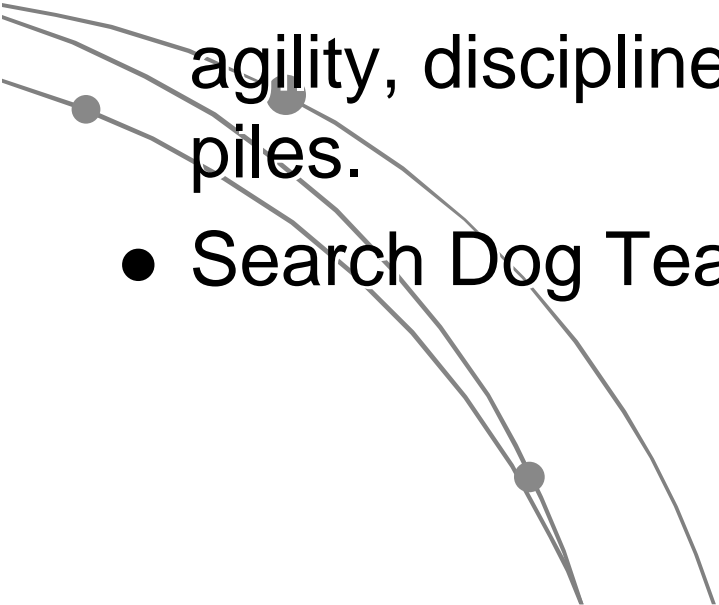


Canine Search Specialists (4)

- Together with a search dog, is responsible for searching collapsed structures, water, debris piles, land and mud slides, or fire areas as assigned, using appropriate search techniques and dog handler skills.



Canine Search Specialist (cont'd)

- Search Dogs are certified in accordance with FEMA US&R Guidelines as:
 - Level 1 – Basic
 - Level 2 – Advanced
 - These tests are quite difficult. They include agility, discipline and search capability on rubble piles.
 - Search Dog Teams usually work in pairs.
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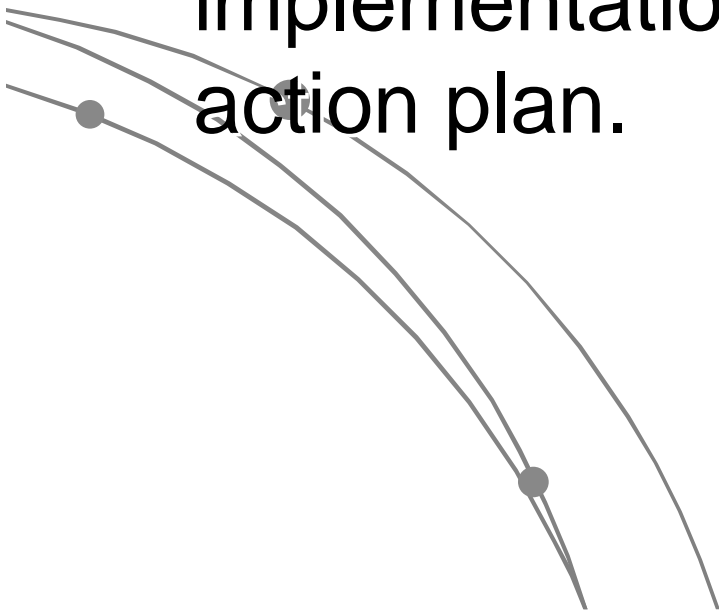
Technical Search Specialists (2)

- Searches collapsed structures, debris piles, and other areas as assigned, using electronic search equipment and techniques.



Rescue Team Managers (2)

- Responsible for managing and supervising the rescue function of the task force during incident operations.
- Responsible for the development and implementation of the incident rescue action plan.

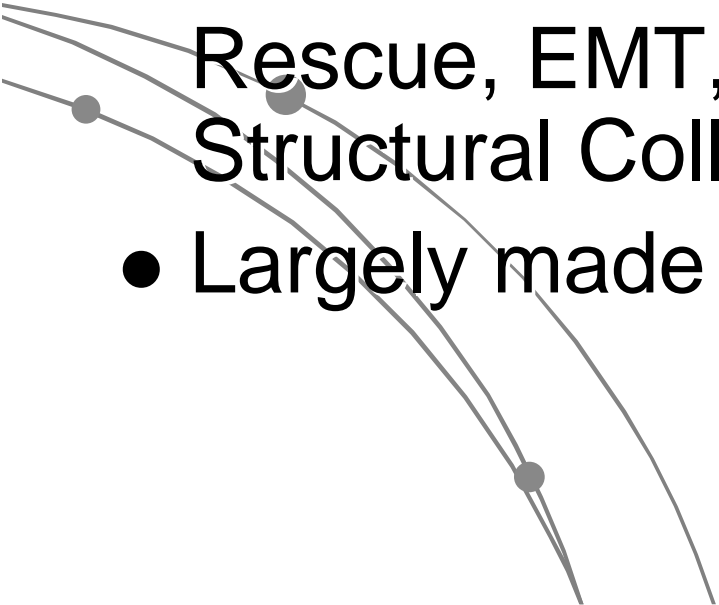


Rescue Squad Officers (4)

- Supervises 1 of the 4 Rescue Squads.
- Must be qualified as a Rescue Specialist.
- Assures safety of Rescue Squad.



Rescue Specialists (20)

- Conduct front-line search and rescue operations.
 - Stabilize collapsed structures to permit search and rescue operations.
 - Must have basic training (ICS, Rope Rescue, EMT, Extrication, etc) along with Structural Collapse Rescue Technician.
 - Largely made up of fire fighters.
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Medical Team Managers (2)

- Doctors.
- Supervises the Medical Team.
- Oversee health and medical aspects for the team, including hygiene and CISD.
- Specially trained in collapse rescue medicine.
- All Medical Team personnel are special DMAT designated under NDMS.



Medical Specialists (4)

- Paramedics and Nurses.
- Responsible for the general health considerations of and delivery of medical care to 1) all task force personnel, 2) victims and 3) search dogs.
- Specially trained in collapse rescue medicine (crush syndrome and confined space operations).



Structures Specialist (2)

- Responsible for evaluating the structural condition of the structure or area to be entered at the rescue site.
- Responsible for determining the appropriate shoring needed.
- Licensed Structural Engineer.
- FEMA Structural Specialist Training.



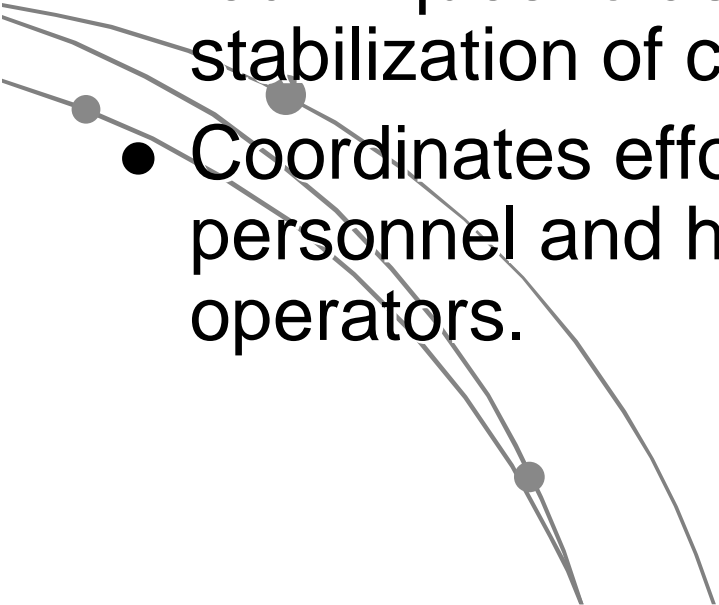
Hazardous Materials Specialists (10)



- Responsible for performing the various hazardous materials assessments for the task force during incident operations.
- Survey and identification of the presence of hazardous materials at search and rescue sites.
- Responsible for assuring task force personnel protected from hazardous materials.
- Responsible for providing emergency decontamination procedures for any task force member or victim.

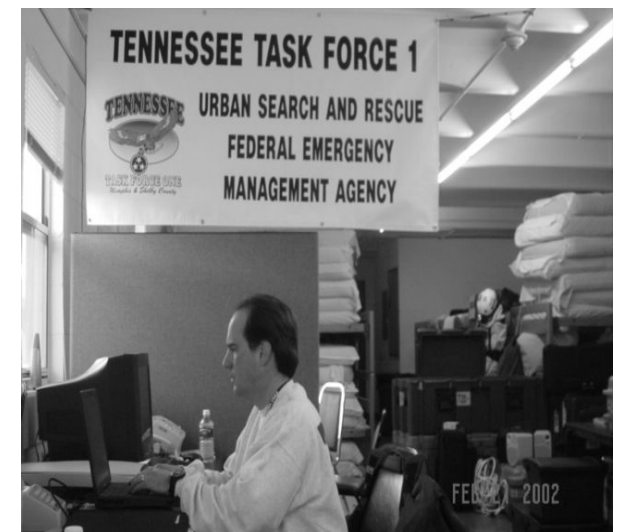


Heavy Equipment & Rigging Specialists (2)

- Responsible for assessing the need for and capabilities of various construction-related equipment to assist task force personnel in US&R activities.
 - Responsible for identifying various rigging techniques to assist in the rescue of victims or stabilization of collapsed buildings.
 - Coordinates efforts between the task force personnel and heavy equipment and crane operators.
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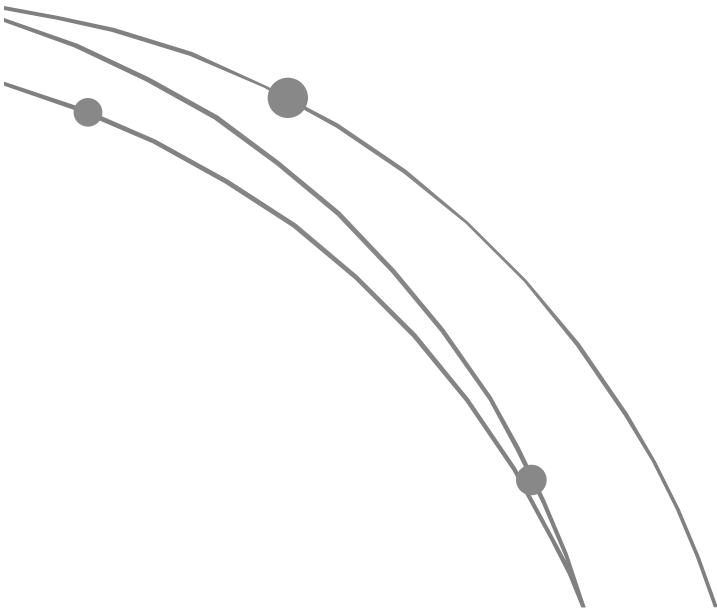
Technical Information Specialists (2)

- Paperwork, paperwork, paperwork.
- Fully documents the activities of the US&R task force.
- Tracks all pertinent task force personnel information and work schedules.
- Compiles and produces team meeting agendas, work schedules, tactical assignments, etc., as directed by task force management.
- Establishes and maintains computer network.



Logistics Team Managers (2)

- Manages the Logistics and Communications functions.



Logistics Specialist (4)

- Manages the equipment cache for the task force during incident operations.
- Responsible for the packaging, transport, distribution and maintenance of the task force equipment cache.
- Coordinates with military and civilian transport officials.

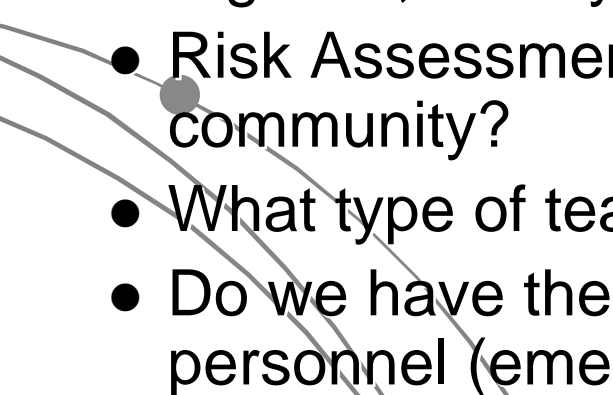


Communications Specialists (2)

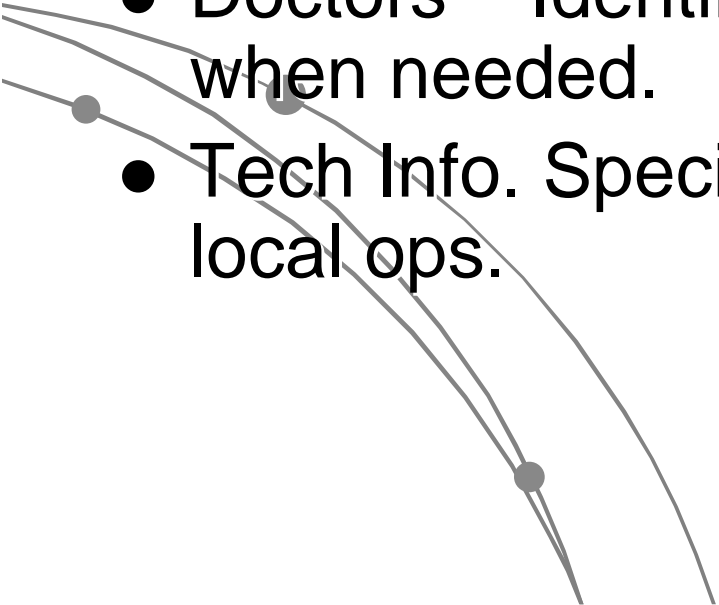
- Manages the communications system for the task force during incident operations, including establishing on-site and transit radio communications.



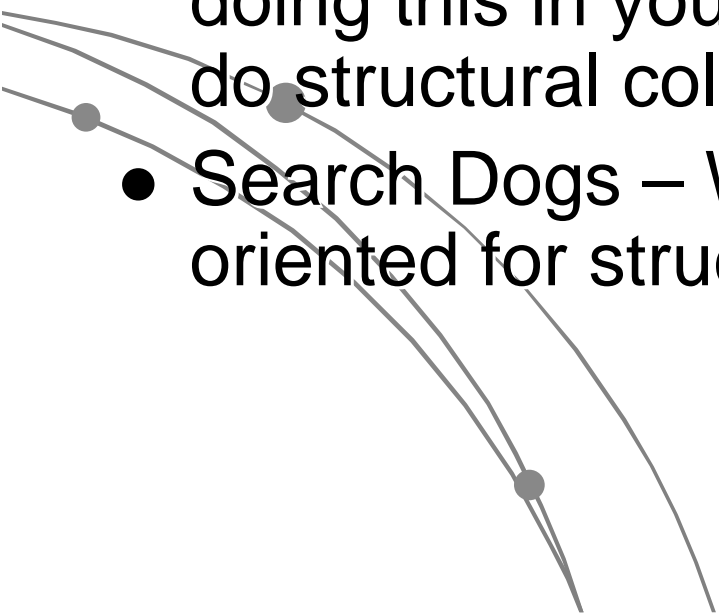
Other Levels of US&R Teams

- A full FEMA US&R Task Force is not warranted or reasonable for all situations.
 - As with all emergency planning, jurisdictions should consider:
 - What is our area of responsibility? National, state, regional, county, municipality?
 - Risk Assessment: Is a team needed for our community?
 - What type of team is needed?
 - Do we have the necessary support – political, personnel (emergency responders, fire fighters, etc.)?
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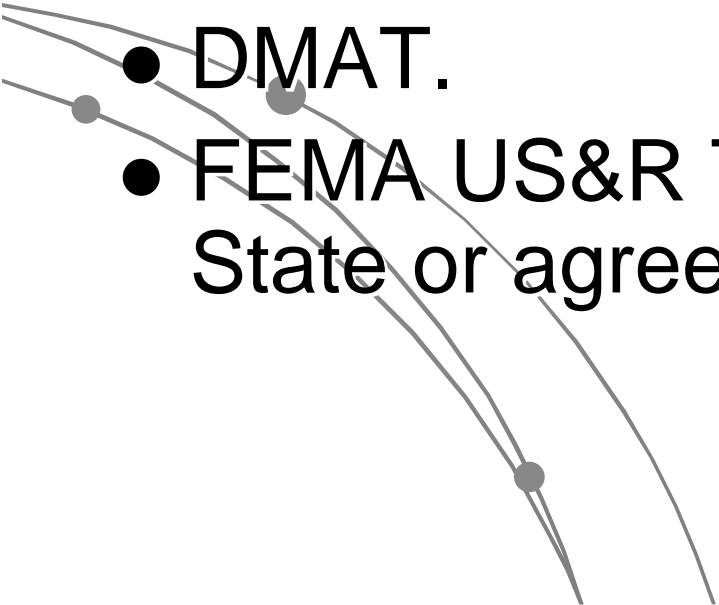
Staffing Options

- Optional Staffing:
 - Structural Engineers – Recommend building engineer that understands concept of rescue (not approving building, but rather identifying how to make it more stable).
 - Doctors – Identify ER Docs in area willing to help when needed.
 - Tech Info. Specialists – May not be needed for local ops.
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Staffing Options

- Fire Fighters trained in specialized rescue, such as structural collapse, confined space, trench rescue, rope rescue, haz-mat.
 - Paramedics trained in confined space.
 - Technical Search - Is there already someone doing this in your area that can be modified to do structural collapse?
 - Search Dogs – Wilderness Search Dogs not oriented for structural work; can be safety issue.
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US&R Resources

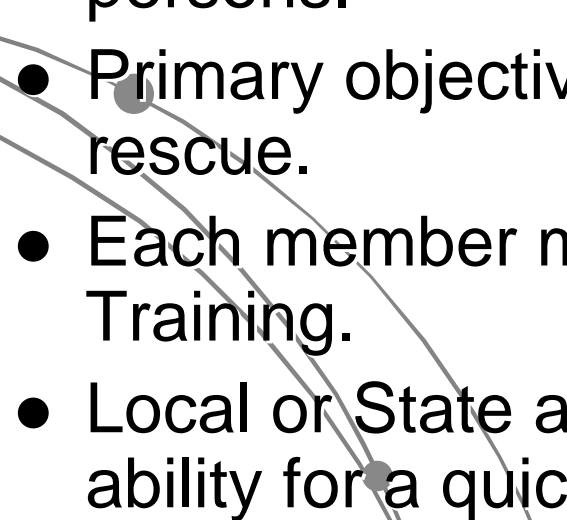
- Other specialized rescue teams (confined space, trench rescue, haz-mat, rope rescue, industrial rescue, crane operators).
 - Other SAR Teams.
 - DMAT.
 - FEMA US&R Task Forces (through FEMA, State or agreements between States).
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WMD

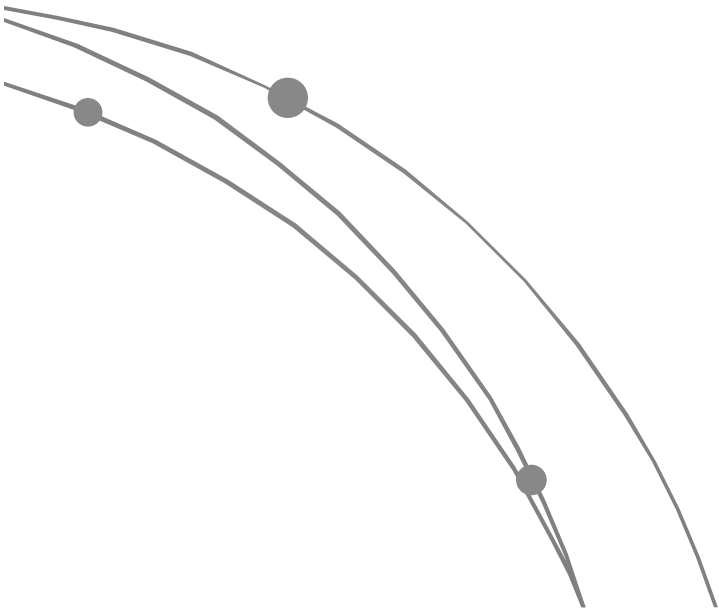


- FEMA US&R Task Forces have been brought to the Enhanced WMD level. This utilized the already existing rescue capabilities and structure. However, this also adds additional responsibilities, as well as capabilities for the local area. This has gone hand-in-hand with the training and preparations already being done in the Memphis area. This might be a consideration for a local or State Team.

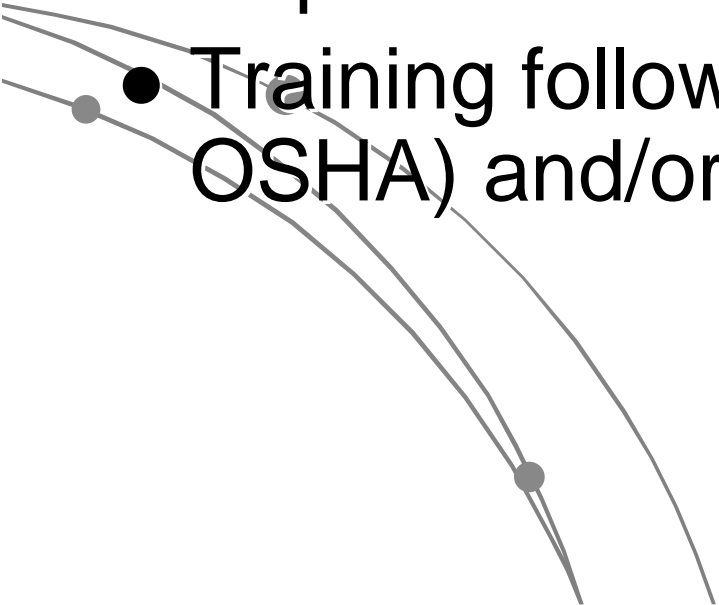
Hurricane Response

- FEMA also realized that a full US&R Task Force is not always optimal for hurricanes, tornados and similar disasters that don't normally involve heavy collapsed structures.
 - FEMA Task Forces have developed plans to staff a Type III Task Force, which is composed of 28 persons.
 - Primary objectives are search, recon, and light rescue.
 - Each member must also have Water Safety Training.
 - Local or State agencies may consider having this ability for a quick, light response.
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Training and Tools

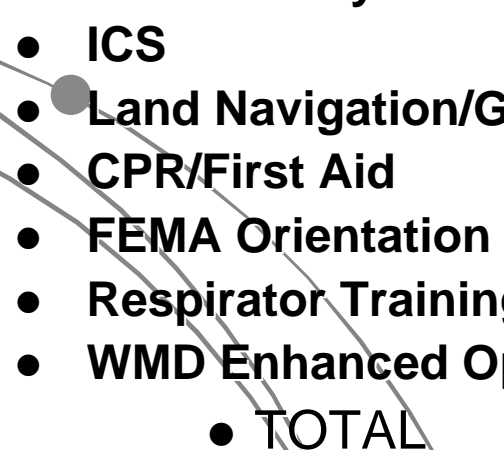


Training

- Intense Training Requirements.
 - Some classes for all personnel, such as ICS, First Aid, WMD, and Water Safety.
 - Each position also has specific requirements.
 - Training follows national standards (NFPA, OSHA) and/or FEMA guidelines.
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Training

Example: Rescue Specialist Requirements:



• Structural Collapse Technician	80 hrs
• Haz-Mat Technician	148 hrs
• Rope Rescue Technician	40 hrs
• Confined Space Rescue Technician	40 hrs
• Trench Rescue Technician	40 hrs
• Water Safety	32 hrs
• ICS	16 hrs
• Land Navigation/GPS	8 hrs
• CPR/First Aid	16 hrs
• FEMA Orientation	4 hrs
• Respirator Training (29 CFR 1910-134)	4 hrs
• WMD Enhanced Operations	<u>16 hrs</u>
• TOTAL	444 hrs

Base of Operations (BOO)



Canine Search



Extraordinary performance (for a dog)



The best publicity we can get



Technical Search



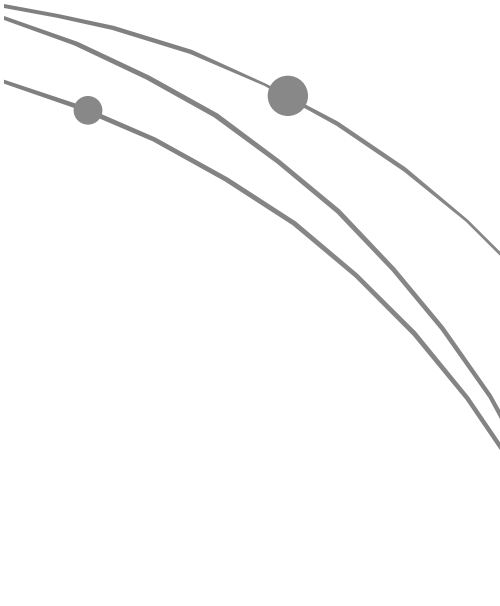
Core Drill



Bore Scope



Breach, Brake, and Burn



Rotary Hammer



Concrete Breaching and Breaking



Lift and Move



Logistics



Logistics



Logistics Area







**Thank You
For Your Time**

Questions?

