



FEMA Region I
Homeland Response Force
Capabilities Brief

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PURPOSE



Informational brief on the capabilities, structure, and nature of response for the Region 1 Homeland Response Force (HRF) based upon the following topics:

- Mission Outline
- State-to-Federal Response
- Chemical, Biological, Radiological, and Nuclear (CBRN) Response Enterprise (CRE)
- Responding Unit Composition
- HRF Unit Locations
- Response Timeline



MISSION OUTLINE



To provide a CBRNE response capability in each FEMA region that is able to provide timely life-saving capabilities within the first 48 hours of a CBRNE event, and to establish, when necessary, a regional Command and Control (C2) structure in order to synchronize all State Active Duty (SAD) / Title 32 CBRNE response forces, including Civil Support Teams (CST), CBRNE Enhanced Response Force Packages (CERFP) and prepare for follow-on forces.

Key Tasks Include:

- Brigade and Battalion level Command and Control
- Security
- Search and Extraction
- Decontamination
- Medical Triage

End State: HRF effectively mitigates human suffering and loss of life and further coordinates the response efforts of several additional CSTs and/or CERFPs in order to provide the most efficient response and COP.



CBRNE RESPONSE ENTERPRISE CAPABILITIES



State Response

Federal Response

CST
22 PERSONNEL

CERFP
197 PERSONNEL

HRF
577 PERSONNEL

**DEFENSE CBRNE RESPONSE
FORCE (DCRF)**
5200 PERSONNEL
ELEMENT 1 - 2100 PERSONNEL
ELEMENT 2 - 3100 PERSONNEL

C2CRE A
1500 PERSONNEL

C2CRE B
1500 PERSONNEL

3 HOURS

6 HOURS

12 HOURS

96 HOURS

96+ HOURS





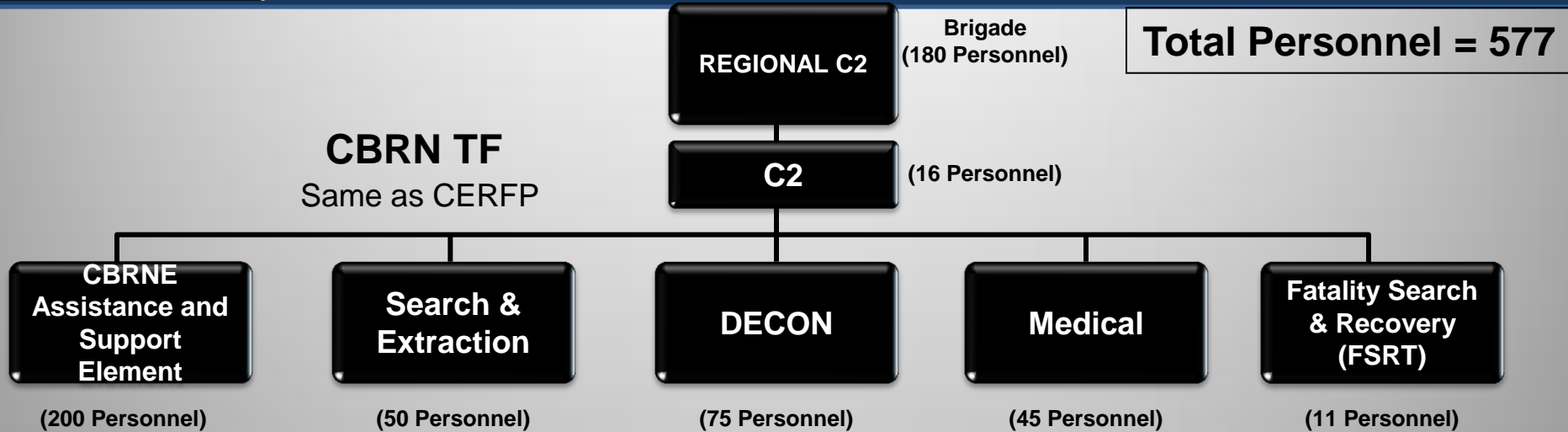
CBRN RESPONSE ENTERPRISE



- Civil Support Team (CST)
 - 22 Active Guard Reserve (AGR) Personnel specializing in presumptive analysis and identification.
 - 57 Teams Nationwide, 1254 Personnel comprised of Air and Army National Guards
- CBRN Enhanced Response Force Package (CERFP)
 - 197 Personnel specializing in Search and Extraction, Decontamination, Medical Triage and Care, Fatality Search Recovery Team (FSRT)
 - 17 Units, 3349 Total, AGR/ADOS/M-DAY
- Homeland Response Force (HRF)
 - 577 Personnel specializing in C2, CBRN ASSESSMENT, Search and Extraction, Decontamination, Medical Triage and Care, Fatality Search Recovery Team (FSRT)
 - 10 HRFs, 5770 Personnel, AGR/ADOS/M-Day



HOMELAND RESPONSE FORCE



Capabilities/Throughput

- Decon – 225AMB 75 NONAMB per hour, Level C Hazmat
- S&E - Rope, Confined, Collapsed Rescue
- CASE - Security
- Med – 330 Patients per hour, Trauma Care
- FSRT – Fatality Recovery

Limitations

- Strictly a command and control element
- Weather
- Hazards
- CASE is organized for organic support only
- Transportation of casualties



HRF C2



Organizational Chart

- 180 Soldiers broken down in 3 sub units:
 - Command and Control (145 Soldiers)
 - Logistical Support Team (26 Soldiers)
 - Network/Communications (9 Soldiers)

Capability/Throughput

- Capable of controlling and supporting up to 3 CERFPs and 6 CSTs over a 96 hour period
- Able to be on site and fully operational anywhere in FEMA Region 1 (New England area) within 12 hours

Critical Assets: Soldiers/Equipment

- Joint Incident Site Communications Capability (JISCC)
- Early Entry Command Post (EECP)

Limitations

- Strictly Command and Control element



CIVIL SUPPORT TEAM



Organizational Chart

- 22 Active Guard/Reserve Soldiers and Airmen broken down by specialty:
 - Command (2 Personnel)
 - Operations
 - Communications
 - Admin/Logistics
 - Medical
 - Survey

Capability/Throughput

- Capable of detecting and identifying potentially Hazardous Materials (HAZMAT) and recommending courses of action for containment
- Able to be on site and fully operational anywhere in FEMA Region 1 (New England area) within 3 hours

Critical Assets: Personnel/Equipment

- Mobile science asset with trained personnel that is capable of qualitative analysis to identify specific hazards
- Computer Modeling and Response Database Systems
- Reconnaissance, Detection, and Sampling Gear (Nerve/Blister/Blood Agents, Alpha/Beta/Gamma/X-Ray sources, etc)

Limitations

- No mass life-saving capability or mission
- Quantitative analysis is delayed to due to non-mobility of technology



CBRN TF (CERFP)



Organizational Chart

- 197 Soldiers and Airmen broken down into five sections:
 - Command and Control (16 Soldiers)
 - Search and Extraction (50 Soldiers)
 - Decontamination (75 Soldiers)
 - Medical (47 Airmen)
 - Fatality Search and Rescue (11 Airmen)

Capability/Throughput

- Able to deploy and be operational anywhere in FEMA Region 1 within 6 hours
- Decontamination (per hour/optimal conditions)
 - 225 ambulatory people
 - 75 non-ambulatory people

Critical Assets: Soldiers/Equipment

- The Command and Control element capable of and trained in directing a joint multifaceted element able to respond to all CBRN events

Limitations

- Cold weather severely impacts normal operation; heater elements or a large temperature-controlled building may be required for inclement weather operations
- CBRN personnel operate in Level C Personal Protective Equipment (PPE); hot weather rest cycles will limit shift-time for personnel and fewer decon lines will be operational (estimate 33% reduction in throughput)



CBRN TF (CERFP)



- **Individual Qualifications**

- Command and Staff
 - WMD and Collapse Mission Command Staff Planning Course

All C2 members trained and certified to the HAZMAT Awareness Level (CFR 1910-120)

- **Primary Capabilities**

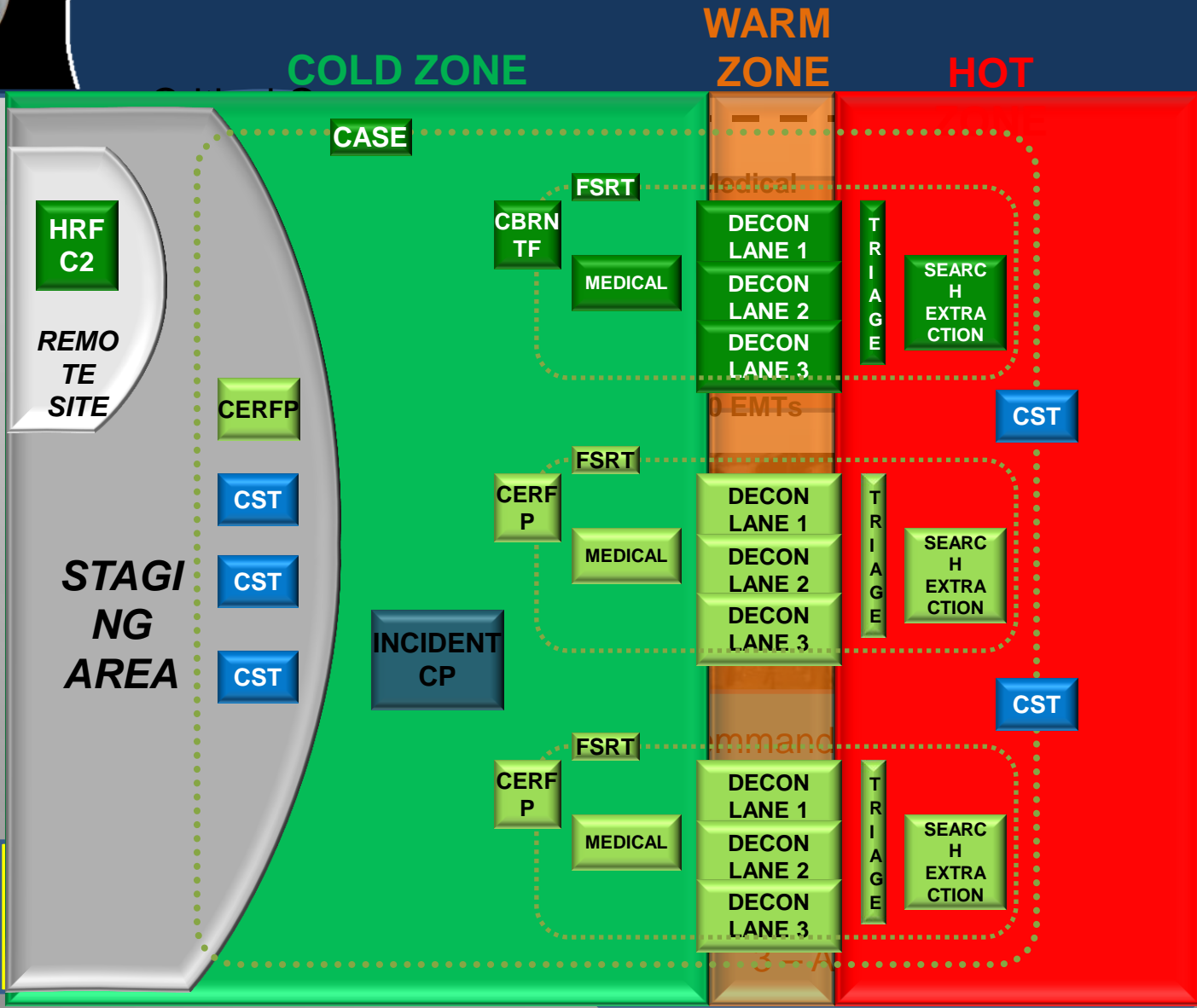
- 197 Soldiers total (five sub elements)
- Conduct planning and coordination
- Issue Orders
- Conduct Incident Operations
- Conduct Sustainment Operations
- Conduct Deployment Operations
- Conduct Redeployment Operations
- Reports to the JTF-State and incident commander







CERFP CONOPS





CBRN ASSISTANCE AND SUPPORT ELEMENT (CASE)



Organizational Chart

- 200 Soldiers drawn equally from the VT and CT National Guards

Capability/Throughput

- Provide specially trained Soldiers that operate in contaminated areas directly supporting the CERFP with security and casualty assistance
- Can support up to 4 CERFPs at the same time with 47-Soldier elements

Critical Assets: Soldiers/Equipment

- Level C Suit
- HAZMAT Operations trained Soldiers

Limitations

- If supporting 4 CERFPs, can only work non-contiguous 12-hour cycles



CBRN ASSISTANCE AND SUPPORT (CASE)



- **Individual Qualifications**

- ICS 800 Introduction to National Response Framework

- **Primary Capabilities**

- 200 Soldiers from VT and CT NG
- Provides force protection
- Assist in casualty movement
- Secure area of operations
- Provide control at cordon and entry points
- Assist with crowd control



All CASE members trained and certified to the HAZMAT Operations Level (CFR 1910-120)





DECONTAMINATION

AS OF 22 2000 OCT 14



Organizational Chart

- 75 Soldiers drawn from a Chemical unit

Capability/Throughput

- Decontamination (per hour/optimal conditions)
 - 225 ambulatory people
 - 75 non-ambulatory people

Critical Assets: Soldiers/Equipment

- Level C Suits
- Decontamination tents with wet decontamination capability

Limitations

- Cold weather severely impacts normal operation; heater elements or a large temperature-controlled building may be required for inclement weather operations
- CBRN personnel operate in Level C PPE; hot weather rest cycles will limit shift-time for personnel and fewer decon lines will be operational (estimate 33% reduction in throughput)



DECONTAMINATION



- **Primary Capabilities**

- 75 Soldiers drawn from the 272 CM CO
- Establish CBRN response DECON site
- Conduct ambulatory & non-ambulatory clothing removal, decontamination, monitoring, and redress operations
- Establish equipment and personnel property decontamination stations
- Establish and maintain a hazardous waste site
- Establish technical DECON Line

All DECON members trained and certified to the HAZMAT Operations Level (CFR 1910-120)





SEARCH & EXTRACTION



Organizational Chart

- 50 Soldiers drawn from a variety of units, preferably Engineers

Capability/Throughput

- Provides specially trained Soldiers who can conduct rescue operations in confined and collapsed areas within a contaminated area

Critical Assets: Soldiers/Equipment

- Level I & II training for:
 - Rope Rescuer
 - Confined Space Rescue
 - Structural Collapse Rescuer

Limitations

- Cold weather severely impacts normal operation; heater elements or a large temperature-controlled building may be required for inclement weather operations
- CBRN personnel operate in Level C PPE; hot weather rest cycles will limit shift-time for personnel and fewer decon lines will be operational (estimate 33% reduction in throughput)



SEARCH & EXTRACTION



- **Collective Capabilities (NFPA 1670)**

- S&E element trained and equipped to provide the following operational capabilities
 - Rope Rescue at the Operations Level
 - Structural Collapse Search and Rescue at the Operations Level
 - Confined Space Search and Rescue at the Operations Level

- **Individual Qualifications (NFPA 1006 (2013))**

- All Members
 - Level I Rope Rescuer
 - Level I Confined Space Rescuer
 - Level I Structural Collapse Rescuer
- Team Leaders and above (a minimum of 5 members per S&E element)
 - Level II Rope Rescuer
 - Level II Confined Space Rescuer
 - Level II Structural Collapse Rescuer

- **Primary Capabilities**

- 50 Soldiers drawn from 101 EN BN
- Conduct search
- Conduct rope rescue operations
- Conduct lifting/loading operations
- Conduct confined space operations
- Conduct S&E tasks below IDLH levels in Level B/C PPE with PAPR

All S&E members trained and certified to the HAZMAT Operations level (CFR 1910-120)

All equipment meets NIOSH/ ANSI/OSHA Safety/Protection Standards





MEDICAL



Organizational Chart

- 47 Airmen broken down by specialty:
 - 4 Providers (MDs)
 - 4 Physician's Assistants
 - 6 Nurses
 - 2 Public Health Officers
 - 2 Bioenvironmental Engineers
 - 23 Medics
 - 4 Support Airmen

Capability/Throughput

- Medical support (per equipment set)
 - 330 Patients

Critical Assets: Airmen/Equipment

- 4 Medical Providers capable of trauma care

Limitations

- Each Provider oversees the care of 2 critical patients at a time; the loss of 1 Provider degrades throughput capability
- No ambulance capability



MEDICAL



• Individual Qualifications

- BLS, ACLS and PALS
- ATLS, PHTLS, and TNCC
- Trauma Training
- Medical/Field Management of Chemical and Biological Casualties Course (MMCBC)/(FMCBC)
- Incident Command, Capabilities, Planning and Response Actions for All Hazards (IC)
- Healthcare Leadership for Mass Casualty Incidents (HCL)
- Emergency Medical Operations for CBRN Incidents (EMO)
- Intermediate Hands-On Training for CBRN Incidents (HOT-I)
- Medical Effects of Ionizing Radiation (MEIR)
- Radiological Emergency Response
- Radiological Emergency Management
- Radiological Emergency Response Operations (RERO)
- Possess civilian licensure as physicians, PAs, registered nurses, pharmacists or NREMTs

• Primary Capabilities

- 52 Airmen drawn from the 102 and 104 MDGs
- Provide health and medical monitoring for assigned CERFP/HRF personnel during operations
- Provide medical support to S&E teams
- Perform triage operations in the hot zone
- Team lead casualty collection
- Perform cold zone triage
- Treat CBRN casualties
- Stabilize patients for movement to definitive care

All Medical members trained and certified to the either the *HAZMAT Awareness or HAZMAT Operations Level (CFR 1910-120)





FSRT

AS OF 22 2000 OCT 14



Organizational Chart

- 11 Airmen

Capability/Throughput

- Takes possession of fatalities from other CERFP elements
- Double bags contaminated remains
- Search and recover fatalities
- Turn over remains to the IC

Critical Assets: Airmen/Equipment

- Have all of the same training as the Search and Extraction team

Limitations

- Cold weather severely impacts normal operation; heater elements or a large temperature-controlled building may be required for inclement weather operations
- CBRN personnel operate in Level C PPE; hot weather rest cycles will limit shift-time for personnel and fewer decon lines will be operational (estimate 33% reduction in throughput)
- Special transportation for contaminated remains required



FATALITY, SEARCH, AND EXTRACTION



- **Individual Qualifications**

- Mortuary Skills Enhancement
- In-Residence Mortuary Officers Course
- Home Station Readiness Course



All FSRT members trained and certified to the HAZMAT Operations Level (CFR 1910-120)



- **Primary Capabilities**

- 11 Airmen drawn from 104 MDG
- Takes possession of fatalities from other CERFP elements
- Double bag contaminated remains
- Search and recover fatalities
- Turn remains over to the IC





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