



44th Civil Support Team (WMD)



Weapons of Mass Destruction Civil Support Team Medical Focused Brief

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Medical Operations Officer, 44th CST (WMD)

3 JAN 2013

UNCLASSIFIED

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44th CST Mission

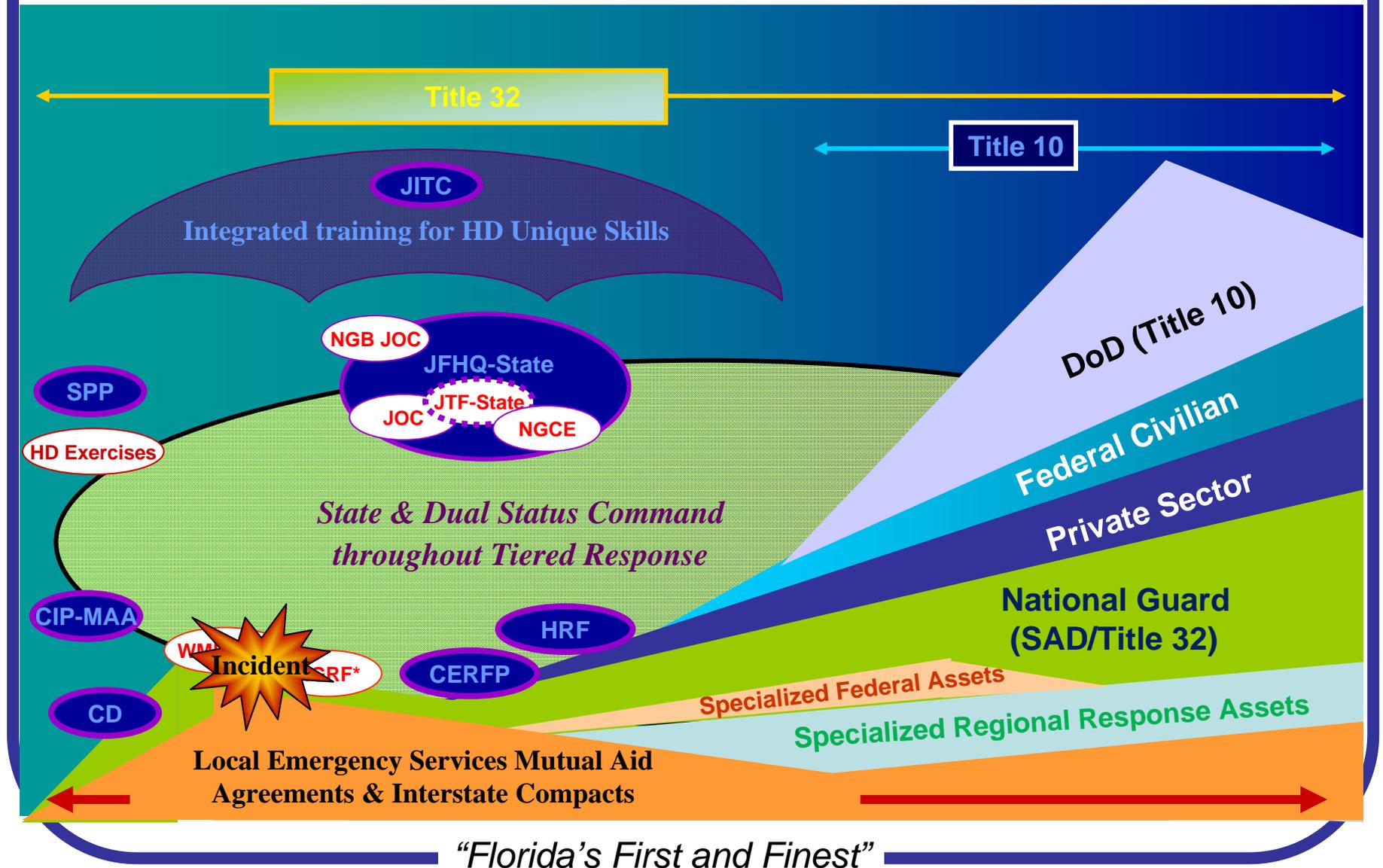


On Order, the 44th CST deploys to support civil authorities at domestic Chemical, Biological, Radiological, and Nuclear (CBRN) incident sites to **identify** CBRN agents/ substances, **assess** current and projected consequences, **advise** on response measures, and **assist** with appropriate request for follow on support.

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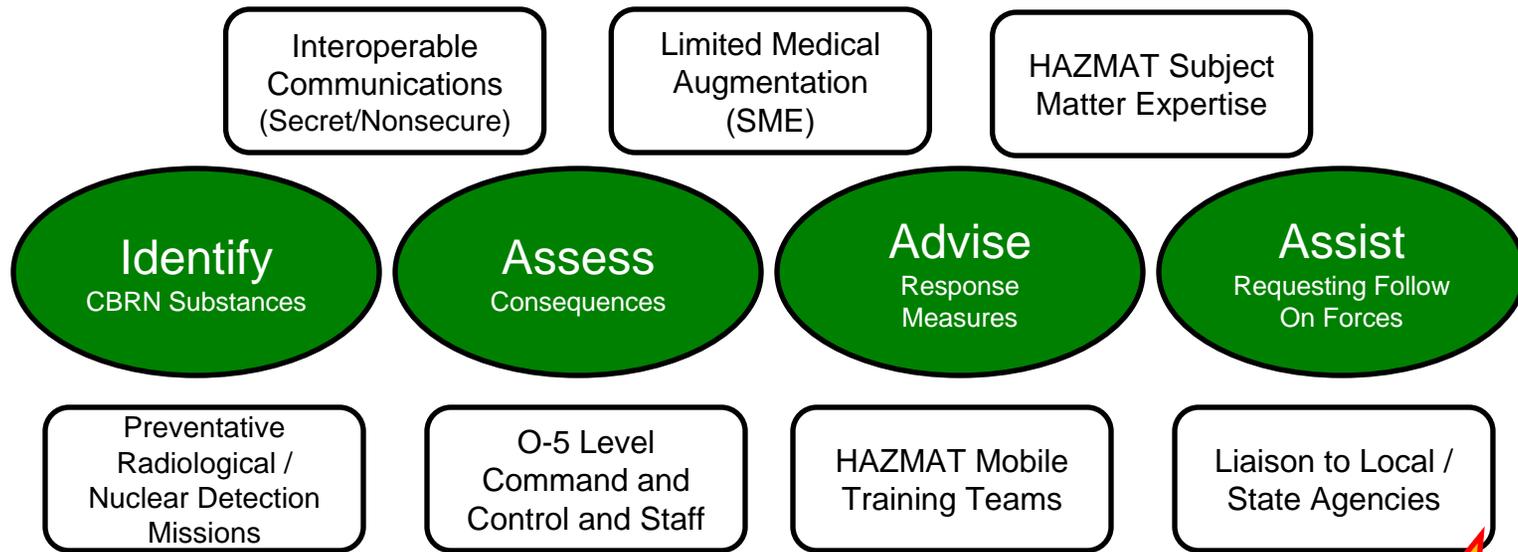
Spectrum of Domestic Operations Where Civil Support Teams Fit





WMD-CST

Core and Secondary Mission Sets*



Green missions are those that we are evaluated against by US Army North EXEVAL and the white missions are those secondary missions the CST can conduct to best support the State of Florida in support of natural or manmade disaster.*

*Must be consistent with provisions of USC Title 10, 12310 (c) as well as NGB Memo (See notes)



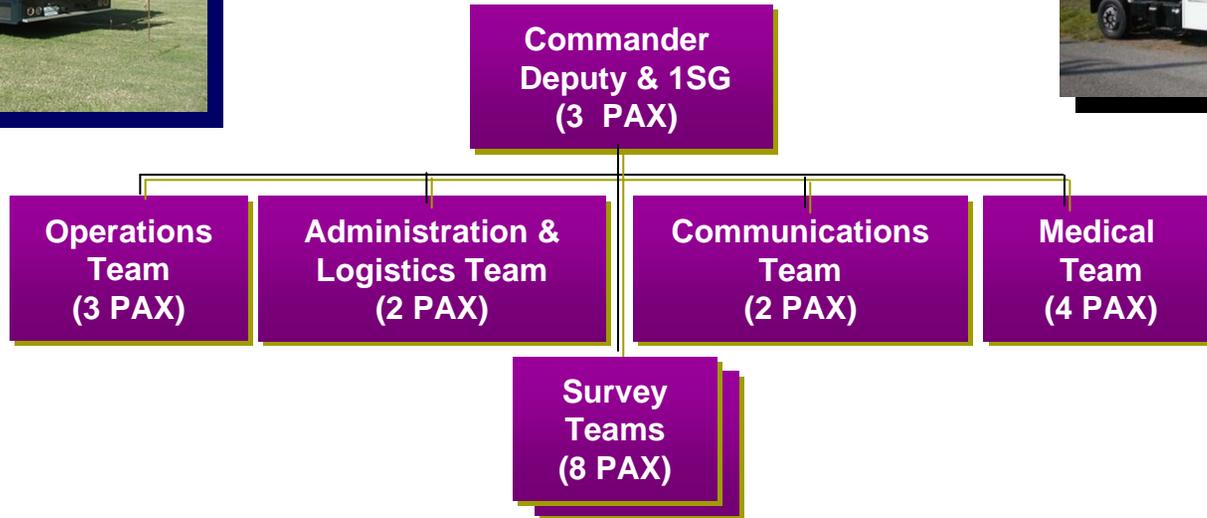
Team Composition



UCS
(Unified
Command
Suite)



ALS
(Analytical
Laboratory
System)



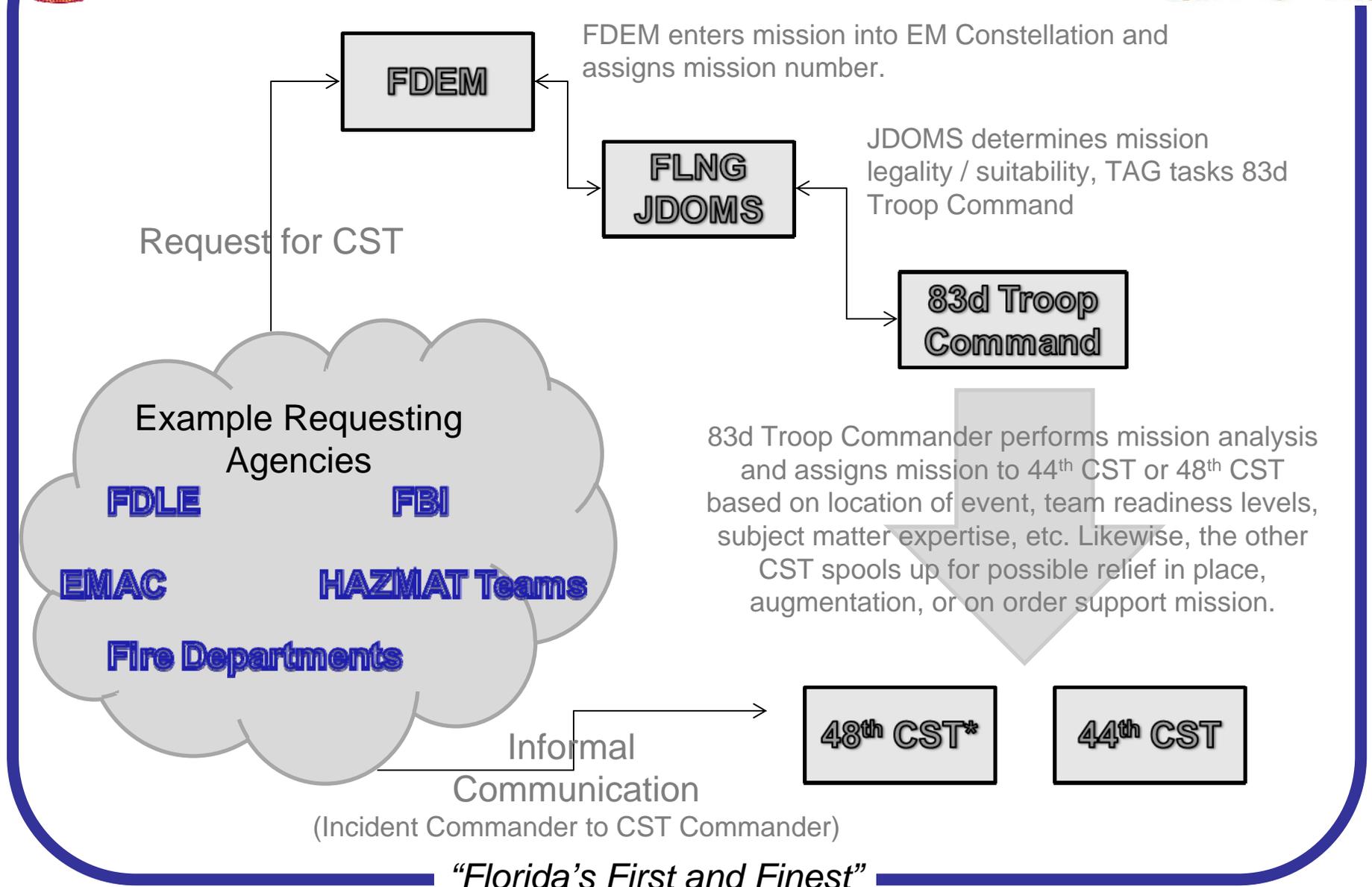
Key Characteristics:

- 6 Officers / 16 Enlisted (lowest rank E-5)
- Established by law in the National Guard / Functions in Title 32 Status
- Certified by Secretary of Defense
- 22 -Title 32 Full-time Personnel (Army and Air National Guard)
- 14 Different Job Specialties / "Experts in their Discipline"
- Evaluated by US Army North (ARNORTH) every 18-24 months (Last conducted DEC '10)
- Conducts Monthly Proficiency Tests in the Analytical Laboratory (ISO 17025 Certified)
- Interoperable with Civil Responders

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CST Missioning Protocol

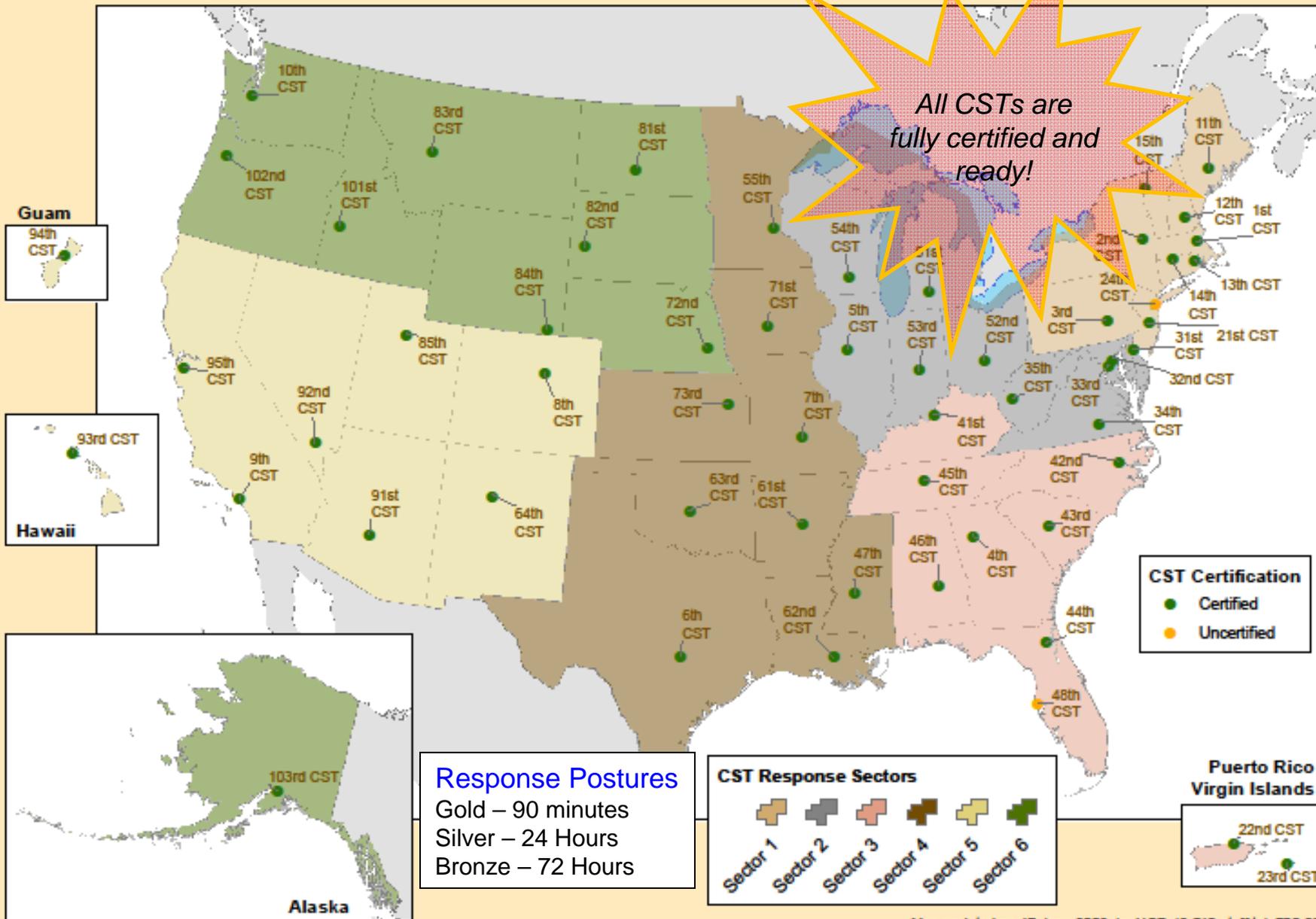


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Civil Support Team Locations/Sectors

All CSTs are fully certified and ready!



Map updated on 17 June 2009, by NGB-J2 GIS staff tel: 703-607-3268



CST Training



- **Individual/Institutional**
 - Civil Support Skills Course, Ft. Leonard Wood, Missouri (8 wks)
 - Position-specific specialized training
 - Proficient in NIMS/ICS
- **Team/Unit/Collective**
 - Home Station (3-7 day FTX / month)
 - Annual ARNORTH conducted 'LANES' training event (5 days)
 - ARNORTH / PACOM External evaluations (every 18-24 months)
 - Quarterly Level A focused round robin
 - Readiness Prep Exercise prior to any GOLD/SILVER Month
- **Post Certification Training/Exercises**
 - Commander driven, sustain training level
 - Regional integrated venues with local and regional first responders
 - National and NG exercise participation



Average Specialized training = 650 hrs

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CST Medical Training



Medical Management, Hospital and Field Management of
Chemical and Biological Casualties - USAMRIID

Medical Effects of Ionizing Radiation – AFRRRI
Radiation Emergency Medicine and Advanced Radiation
Medicine – REACTS

Advanced Trauma Training Program – Rush University

Fundamentals of Occupational Health and Health Service
Plans - AMEDD

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Medical Recertification Training



Advanced HAZMAT Life Support

Advanced Trauma Life Support

Advanced Cardiac Life Support

Advanced Burn Life Support

Pediatric Advanced Life Support

NREMT with Basic Life Support Health Care Provider

Combat Life Saver Training



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Additional Medical Training



Hospital Emergency Response Team Training - Hands On Training, Emergency Medical Services Response to WMD, and WMD Healthcare Leadership – FEMA NTC CDP

Hazardous Materials/ WMD Operations Level Hospital Decontamination – VAMC Bay Pines, FL

WMD Radiological/Nuclear Course for HAZMAT Technicians – DHS CTOS



Prevention and Response to Suicide Bombing Incidents - EMRTC

Tactical Medical Operators Course – Tactical Element Inc.

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Cross Training with 44th CST Decontamination Team



The 44th CST Physician's Assistant (PA) takes command of the technical decontamination line when there is a medical concern for an entry team member.

The Medical NCO provides early interventions if required.



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Medical Response Vehicle



The vehicle provides both Basic Life Support and limited Advanced Life Support capability for the CST Team.

The vehicle serves as the location for pre and post entry medical monitoring in support of entry team operations.



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Medical Planning



The Medical Operations Officer and Medical Officer (PA) need an understanding of the WMD medical response capabilities located throughout Florida in order to ascertain if adequate medical coverage is available to the team.

Important hospital or military treatment facility (MTF) capability data includes patient decontamination, isolation room(s) and available treatment regimens.

Additional beneficial information includes level of WMD training of the first receivers and providers. Contact information for the Disaster Planner is also helpful.

BOTTOMLINE: The CST Medical Staff are focused on keeping CST Team Members safe and specially trained on treating Team members should they become CBRN casualties. Acting as a CBRN SME is a valuable bi-product of this function and training acumen.

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Medical Planning



Attending WMD focused training events provides an opportunity for learning more about hospital or MTF plans and procedures and creates opportunities for cross training between organizations.



Analytical Matrix Training



Field Identification of Biological Warfare Agents –
USAMRIID

Basic and Advanced Microscopy – McCrone Group

Advanced Shimadzu – GCMS training provided by vendor

Food Emergency Response Network – USDA

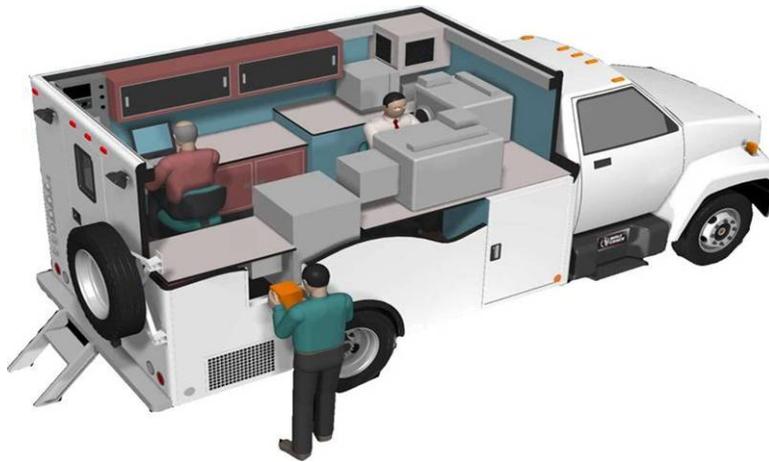
Analytical Laboratory System (ALS) Basic – USACBRNS

Monthly ALS Proficiency Tests – NGB contracted vendors

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Analytical Laboratory System



Class III Containment Glove Box

Gas Chromatograph / Mass Spectrometer

Fluorescent Microscope

Polarized Light Microscope

Fourier Transform Infrared Spectrometry
Illuminator (Smiths)

Real-time Polymerase Chain Reaction
JBAIDS (Idaho Tech)

Electrochemiluminescent Detector

ISO 17025 Accredited

ID Unknowns in 90 minutes in most cases



Bottom line: Several redundant identification technologies to identify CBRN hazards

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Unified Command Suite (UCS)



Radios

HF/UHF/VHF

SATCOM

INMARSAT

Phones

DSN/Commercial

Data

NIPRNET

SIPRNET

Video

Collaborative
Video

Conferencing
Tools

Interoperability

ACU-1000

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Reporting Requirements



- We have an ARNORTH/NGB mandated Training Proficiency Evaluation (TPE) (validates tactical skills proficiency) every 18-24 months as well as a Standardization, Evaluation and Assistance Team (SEAT) Inspections every 36 months (aimed at regulatory compliance).
 - Last Training Proficiency Evaluation JUN 2012 (100% - PASSED)
 - Last SEAT MAY 2012 (97% Compliance)



Team Achievements



- The first CST in the Nation with an ISO 17025 certified Analytical Lab Suite
- Recently identified as one of only 13 HEAVY CSTs nationally equipped with a classified equipment set.
- Conducts support to FBI WMD Coordinators / local first responders for major events that have included the RNC, Superbowl 44, major college football games, NASCAR Events at Homestead and Daytona, as well as the international CBRNe Convergence Conference
- Conducts routine collective training events with first responders, state and federal partners as well as with other Florida National Guard forces – of note, met with Office of Secure Transportation (OST) for training opportunity in NOV '11
- Conducts quarterly HAZMAT Technician proficiency for Team members (Unit Crucible) and monthly proficiency evaluations thru the NGB PAT program

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44th Civil Support Team Medical Contact Information



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