44th Civil Support Team (WMD)

Weapons of Mass Destruction
Civil Support Team
Medical Focused Brief

CPT Daniel Cook
Medical Operations Officer, 44th CST (WMD)
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UNCLASSIFIED

“Florida’s First and Finest”
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.
Spectrum of Domestic Operations
Where Civil Support Teams Fit

Title 10

Specialized Federal Assets
Federal Civilian

DoD (Title 10)

Specialized Regional Response Assets
Private Sector

Federal Civilian

Specialized Federal Assets

State & Dual Status Command throughout Tiered Response

Local Emergency Services Mutual Aid Agreements & Interstate Compacts

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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)
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

FDEM enters mission into EM Constellation and assigns mission number.

JDOMS determines mission legality / suitability, TAG tasks 83d Troop Command

83d Troop Commander performs mission analysis and assigns mission to 44th CST or 48th CST based on location of event, team readiness levels, subject matter expertise, etc. Likewise, the other CST spools up for possible relief in place, augmentation, or on order support mission.

Example Requesting Agencies
- FDLE
- FBI
- EMAC
- HAZMAT Teams
- Fire Departments

Informal Communication
(Incident Commander to CST Commander)

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All CSTs are fully certified and ready!

Response Postures
Gold – 90 minutes
Silver – 24 Hours
Bronze – 72 Hours
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 – AFRRI
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.
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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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.
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
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
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
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44th Civil Support Team
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