



95th Civil Support Team (CST)

95th WMD-Civil Support Team
1525 West Winton Ave., Bldg. #9
Hayward, CA 94545-1310
510-780-0683

MAJ Andrew Hanson – Commander



Background



- In 1995, *Presidential Decision Directive (PDD) 39* and further, in 1998, *PDD 62* delineated the responsibility for federal agencies in combating terrorism, including domestic incidents.
- In 1999, Congress mandated and resourced National Guard Bureau to create the CST program with the directive to enhance the government's capability to deter, prevent, respond, and recover from terrorist attacks involving WMD and to provide direct support to the front line of local and state emergency response organizations.





Overview



- ▶ The CST Consists of the following:
 - ▶ 22 Full Time Army and Air National Guard members whose primary goal is to support civil authorities 24 hours a day, 7 days a week.
 - 1200 to 1800 hours of certified individual training.
 - 400–600 hours of collective training per year.
 - 12 Full scale joint interagency exercises per year
 - 10–15 Joint Hazard Assessment Team missions per year
 - multiple State Department and/or Secret Service missions per year
 - Completed US Army (Federal) and California Specific CBRNE training and Hazardous Materials training.
 - ▶ 9 vehicles
 - ▶ 6 Sections



Mission



- Support to civil authorities at a WMD incident site by:

IDENTIFY agents/substances

ASSESS current and projected consequences

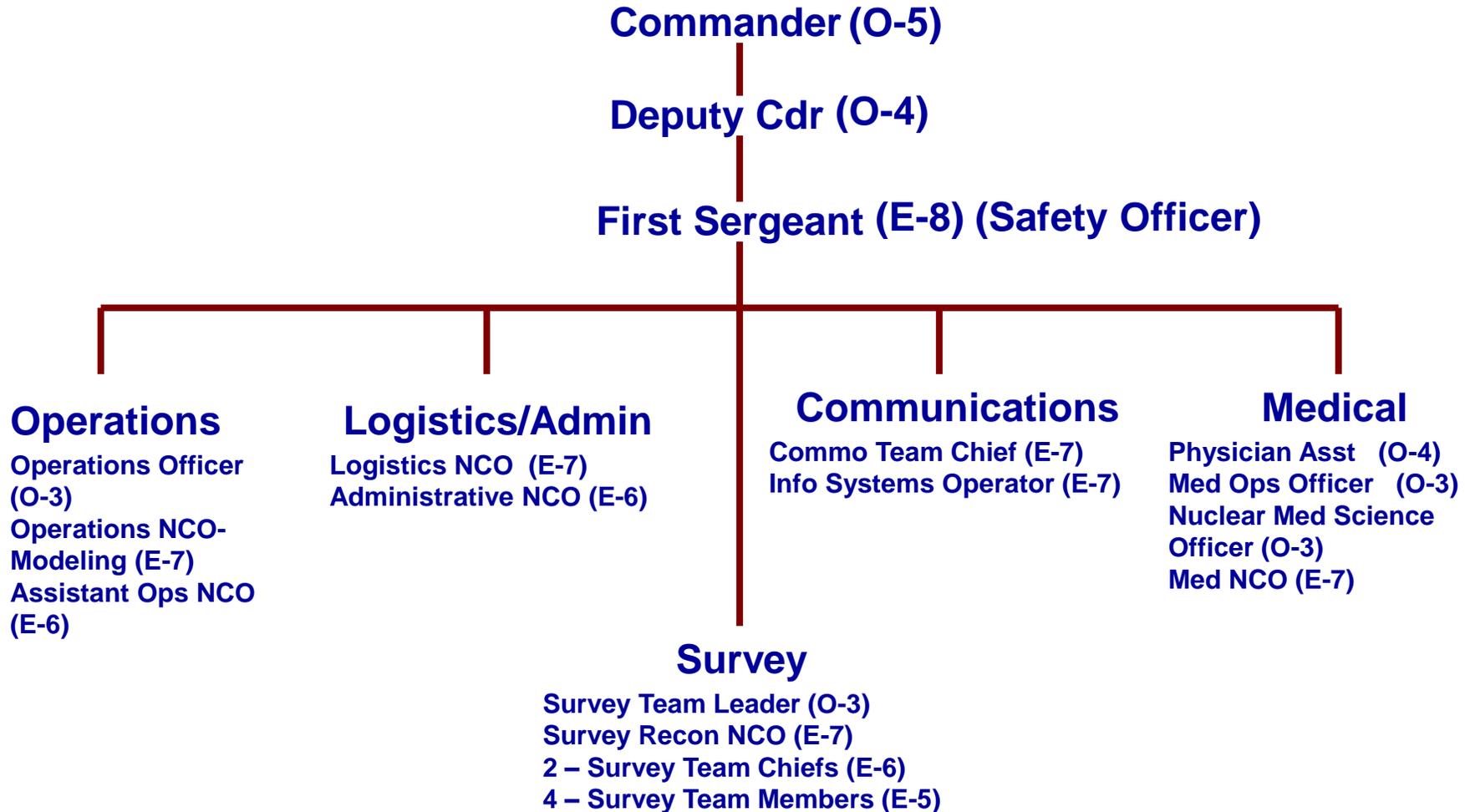
ADVISE civilian responders regarding appropriate actions and response measures

ASSIST with requests for assistance to expedite arrival of additional State, Federal and DOD assets to help save lives, prevent human suffering and mitigate great property damage.





Organizational Structure





CA CST's Primary Area's Of Responsibility



**95th WMD-CST
250 mile Radius
response –
SF Bay Area
(#1 priority)**

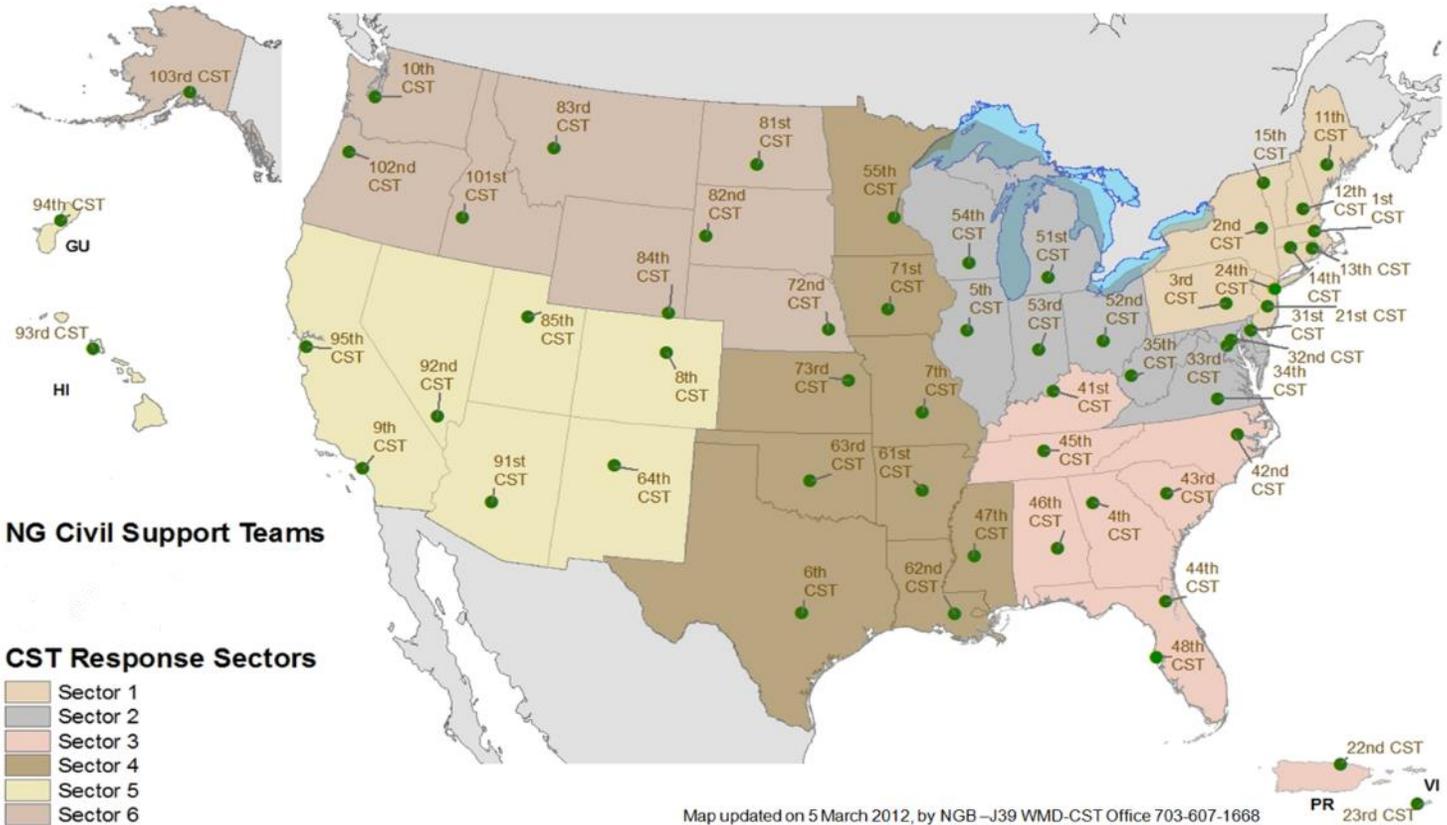
**9th WMD-CST
250 mile Radius
response –
LA Area
(#1 priority)**



National Response Cycle

▶ In the event that your local CST is unavailable for immediate response the National Guard Bureau has a rotating National Response Plan by region.

- ▶ 95th CST (Northern California)
- ▶ 9th CST (Southern California)
- ▶ 92nd CST (Las Vegas, NV)
- ▶ 91st CST (Phoenix, AZ)
- ▶ 93rd CST (Oahu, HI)
- ▶ 94th CST (Guam)
- ▶ 85th CST (Salt Lake City, UT)
- ▶ 8th CST (Denver, CO)
- ▶ 64th CST (Albuquerque, NM)





Initial Response Team (IRT) Deployable (90 minutes)



- ▶ The IRT Consists of the following:
- ▶ 4 Personnel including:
 - ▶ 1x OIC, 1x Operations, 2x Survey (entry)
- ▶ 2 vehicles



Command Element

- Communications SAT / LAN
- Recommends Follow on Forces
 - Technical reference
 - C2
 - Liaison



Survey Element

- CBRN Protection (Perimeter Monitoring)
- Limited Entry
- Reconnaissance
- Liaison



Main Body (MB) Deployable (4 hour)



Analytical Lab (ALS)



Operations Vehicle*



Unified Command Suite (UCS)



Medical Support Vehicle (MRV)



2nd Survey Truck*



Decontamination



Polaris Ranger

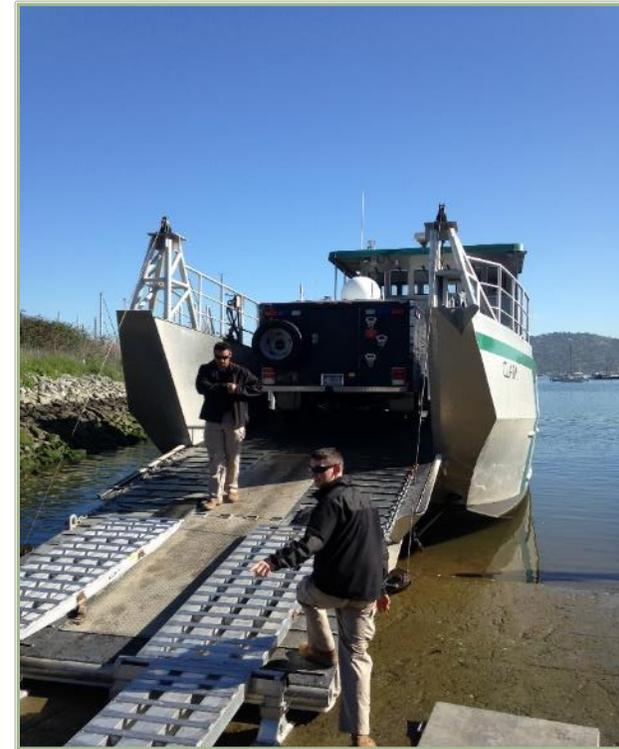




Capabilities (overview)



- Deployment (full or partial team)
 - Ground/Air (C-130, C-17, C-5, UH-60, CH-47)
 - Maritime Transport
- Robust Detection Capabilities
- Unknown Material Identification
- Experts in WMD field
- Mobile Analytical Platform
- Trained in Local, State, and Federal response





Joint Hazard Assessment Team



Joint Hazard Assessment Teams (JHAT) are organized teams of Civil Support personnel that provide ground support for planning and responding to threats at special events. JHATs are normally comprised of specialized personnel from different agencies such as fire and law enforcement.

Common JHAT missions are:

- World Series
- Super Bowl
- NASCAR
- PGA Pro Am
- NHRA (Drag Racing)
- Music Festivals
- IRL (Indie Car)
- Marathons
- Secret Service missions
- State Department missions

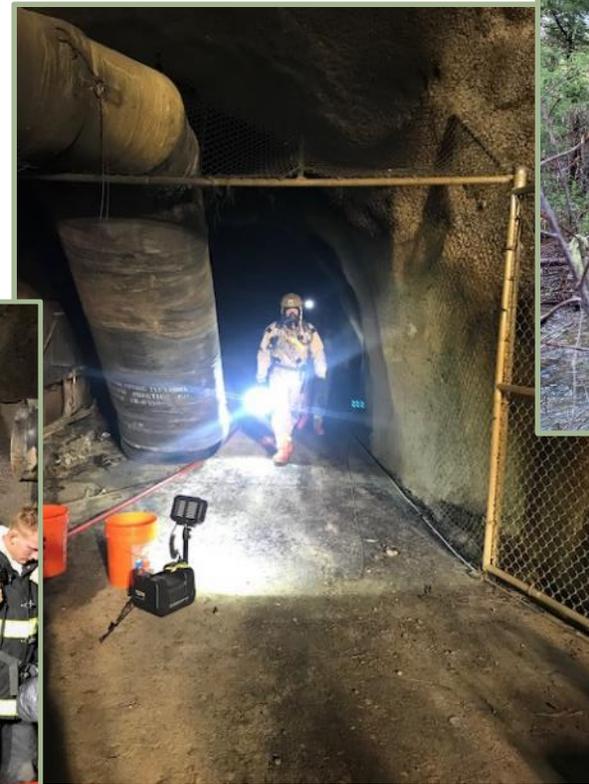




All Hazardous Response Team



- 9/11 World Trade Center
- Space Shuttle Columbia
- Volcano Eruptions
- Counter Drug
- Hurricanes
- Earthquakes
- Fires
- Riots
- Floods



Iron Mountain 2018, response to the Carr Fire



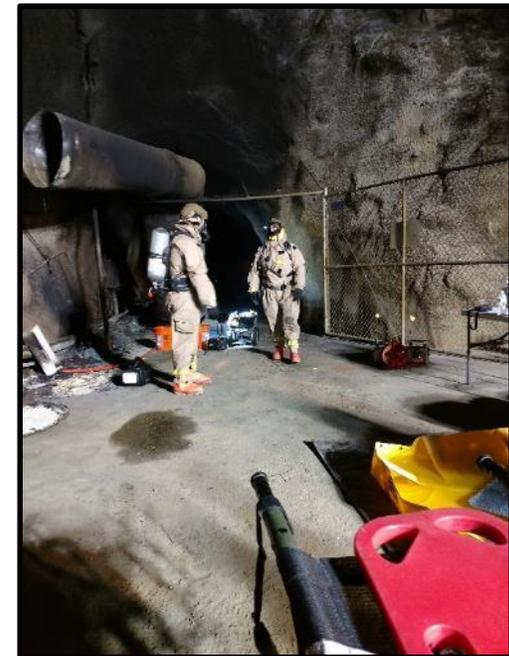
Counter Drug mission 2019, to identify illegal agricultural chemicals



Survey (Entry)



- California HAZMAT Technician / Specialist Qualified
- Conduct reconnaissance
- Sample collection operations
- Confined Space Qualified
- Rescue Systems Qualified
- High Angle Technical Rope Rescue
- Clandestine Laboratory trained





Survey (Entry)

BIO/CHEMICAL DETECTION

Point Detection

- Fourth Generation Agents (FGA)
- Multi RAE five gas monitor
- JCAD CWA's detection
- FTIR/RAMAN Identification Systems

Area Monitoring

- Area-RAE gas and radiological
- Hapsite (GCMS)
- SASS 3100 Plus (Bio Air Sampler)



SAMPLING

- Certified clean containers
- Numbered sample containers

Sample Types

- Air
- Liquid
- Wipe/Swab
- Solid/Soil
- Sludge
- Vegetation
- Powder/Crystalline



RADIOLOGICAL DETECTION

- UDR-14/TLD personal dosimeters
- ORTEC- Gold standard for Isotope I.D.
- Identifinder
- PDR-77
- VDR-2
- Spectra download for reach back analysis (DOE- Triage)



Survey (Entry)



TALON IV ROBOT DETECTION

- First Defender RMX (Chemical I.D.)
- Multi RAE (Multi gas monitor)
- JCAD (CWA's)
- UDR-14 (Radiological)
- Temperature
- LIDAR (Mapping)
- 4 X Live Feed Cameras

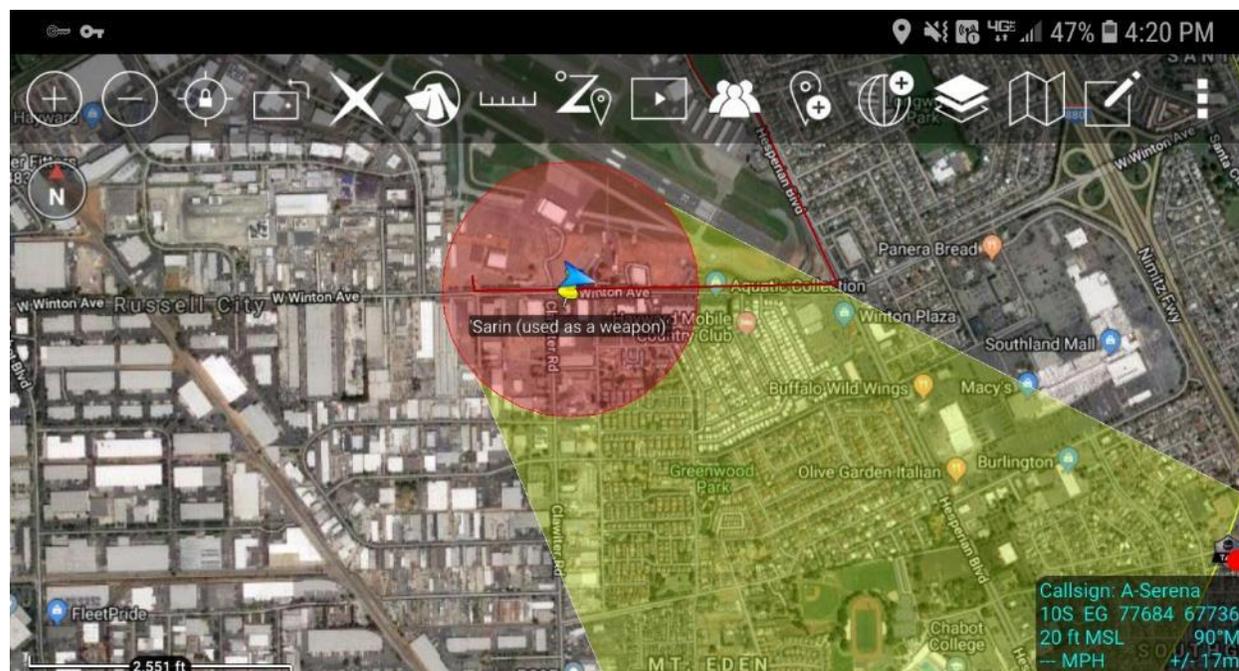




Operations



- Site Safety Plans
- Common Operating Picture Development utilizing APAN, Mobile Field Kit (MFK) / Android Tactical Assault Kit (ATAK)
- Liaison with higher and follow on DOD elements
- Unit synchronization
- Pre-incident Threat Analysis
- Aerial Photography and Satellite imagery (Modeling)





Modeling / Hazard Assessment



- Provides information on population and support facilities using Homeland Security Infrastructure Program (HSIP)
- Provides Down-Range hazard plume modeling.
- Reach-back with National Atmospheric Release Advisory Center (NARAC) and Defense Threat Reduction Agency (DTRA)
- Joint Effects Model (JEM)
- Consequence Assessment Tool Set (CATS)
- Hazardous Predictions And Assessment Capabilities (HPAC)
- GIS integration and Analysis
- CAMEO
- Local DCO and National DTRA



Communications

Unified Command Suite (UCS)



Note: Self-sustainable for 72 hours

Data/Internet

- Commercial
- NIPRNET (Military Internet)
- SIPRNET (Secure Internet)

Voice/Phone

- VOIP (Voice Over IP) wired/ wireless
- Iridium Satellite Phone
- Secure Calls (Iridium)

VTC (Video Teleconference)

- Polycom

Radio

- 1.5-800 MHz (HF/ VHF/ UHF/ 800)
- Cross-Banding (ACU-1000/ ICRI)
- Wide Area Repeater

Advance Liaison Vehicle (ADVON)



Dismounted
Strike
Kit
(DSK)





Medical / Science



- Medical Officer (Physician Assistant)
- Nuclear Medical Science Officer
- Medical Operations Officer
- Senior Medical Sergeant/Lab Operator

- Medical Capabilities Include:
 - Oversees and/or performs emergency stabilization care
 - Advises on treatment of WMD and all-hazards casualties
 - Coordinates air and ground evacuation assets
 - Coordinates and Integrates medical support onsite or at local health care facilities
 - Performs Technical Reference and medical intelligence
 - Liaison with local state and federal medical treatment facilities and Public Health
 - US&R Medical Specialists
 - Hazmat Tech/Spec certified



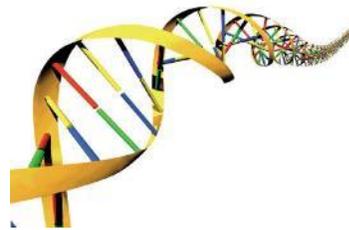


Analytical Laboratory System

- Equipped to conduct laboratory based field confirmatory analysis of WMD samples onsite using the mobile Analytical Laboratory System (ALS).
- Capable of splitting sample for further analysis and/or by request.
- ISO 17025 certified environmental lab with BSL level 3 glovebox
- PA assigned for clinical expertise

Biological

- ▶ LFI Handheld (immunoassay)
- ▶ JBAIDS RT-PCR (DNA amplification)
- ▶ PR2 – Toxin detection by Electrochemiluminescence (ECL)
- ▶ Polarized Light Microscope (Fluorescent staining)



Chemical

- ▶ Gas Chromatograph/Mass Spectrometer – Analysis of Volatile Organics (CWA/TIC/TIM)
- ▶ Microscope Attached Fourier Transforming Infrared (FTIR) (Solid, particle, liquid analysis)

Radiological

- ▶ Data analysis and interpretation





Decontamination



Technical Decontamination



Technical Decontamination systems

- Light Inflatable Decontamination System (LIDS)
- Wipe Spray Wipe
- Fentanyl Kit

Monitoring Equipment

- RAE systems (area monitoring)
- PDR-77, Identifinder (Radiological)
- Joint Agent Chemical Detector (JCAD)

Decontamination Modalities

- Reactive Skin Decontamination Lotion (RSDL)
- Hype wipe, BruTabs
- Army 295 Mits
- Fast-Act Decon Kit

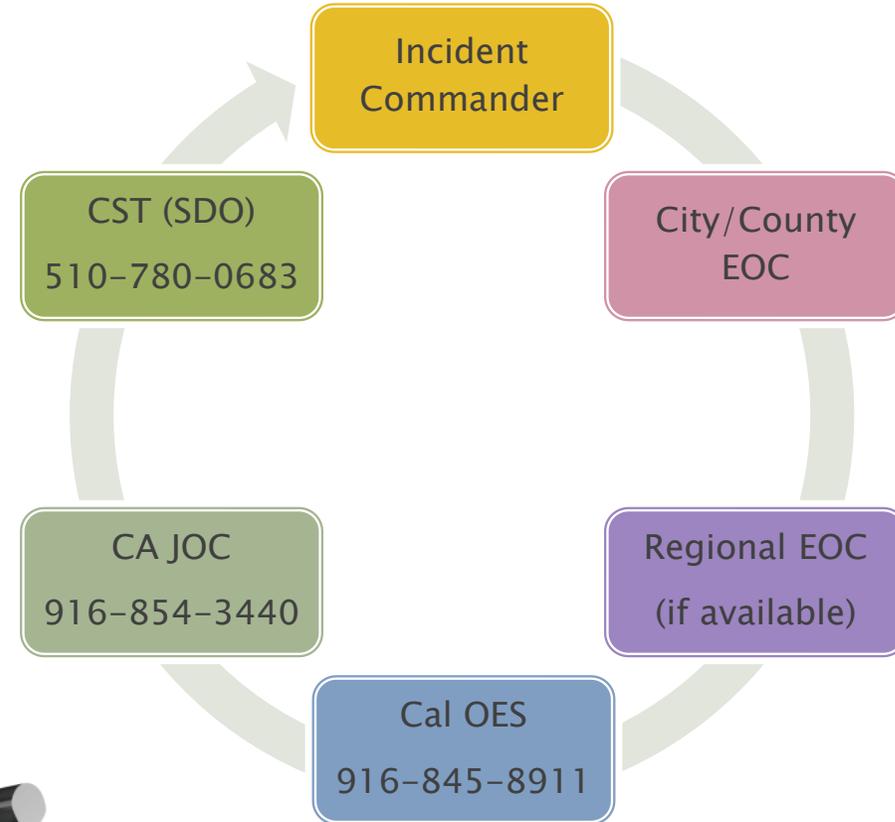


Requests for Support



Request Cycle:

- Incident Commander
 - Direct Contact to CST and/or
 - Through Channels
- Staff Duty Officer (SDO) 24 hour line.
- Full or Modular Response
- Reach Back
- Joint Hazard Assistance Team (JHAT) for Standby Support





Contact Information



- Staff Duty Officer (24 Hour Line) – 510–780–0683
- Commander – MAJ Andrew Hanson- 510–750–3145
Andrew.h.hanson2.mil@mail.mil
- Deputy Commander – MAJ Nathan Serena– 510–750–3148
Nathan.a.serena.mil@mail.mil

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Training Opportunities



- Call direct to Operations/Command
 - CPT Matt Shilk 510-290-0961
Matthew.t.shilk.mil@mail.mil
 - SSG Kristopher Chelini 510-750-3152
Kristopher.r.Chelini.mil@mail.mil
- Prefer 6 months advanced coordination
- Exercise participation and/or assistance