



Civil Support Team Weapons of Mass Destruction

Lieutenant Colonel Jeff Smiley
J3 Department

Joint Forces Headquarters, California Military Department

Unclassified

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Civil Support Team (WMD)



- **Presidential Decision Directive 39, 62**
- **Nunn, Lugar, Domenici Act**
- **10 Original Teams (2000)**
- **17 Additional Teams (2001)**
- **5 Additional Teams (2002)**
- **12 Additional Teams (2004)**
- **11 Additional Teams (2005)**

55 Total Teams



CST (WMD) Mission



Provide Support to Civil Authorities by:

- **IDENTIFYING** CBRNE agents/substances
- **ASSESS** current and projected consequences
- **ADVISE** civilian responders regarding appropriate actions and response measures
- **ASSIST** with requests for additional State, Federal and DoD assets
- **SAVE LIVES**, prevent human suffering and mitigate great property damage.



Civil Support Team (WMD)



- 22 Full-Time Army and Air National Guardsmen whose only mission is to **support civil authorities.**
 - 24 hours a day, 7 days a week.
 - 1200 to 1800 hours of certified individual training.
 - US Army C,B,R,N,E training.
 - Civilian police/Fire/EMS and HAZMAT training.





CST -vs- HAZMAT Team



- Robust Detection Capability
- Trained on Local, State and Federal response
- Trained across all FRE Functional Areas
- Expertise in specific WMD fields





95th and 9th CST (WMD) Primary Responsibility



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

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



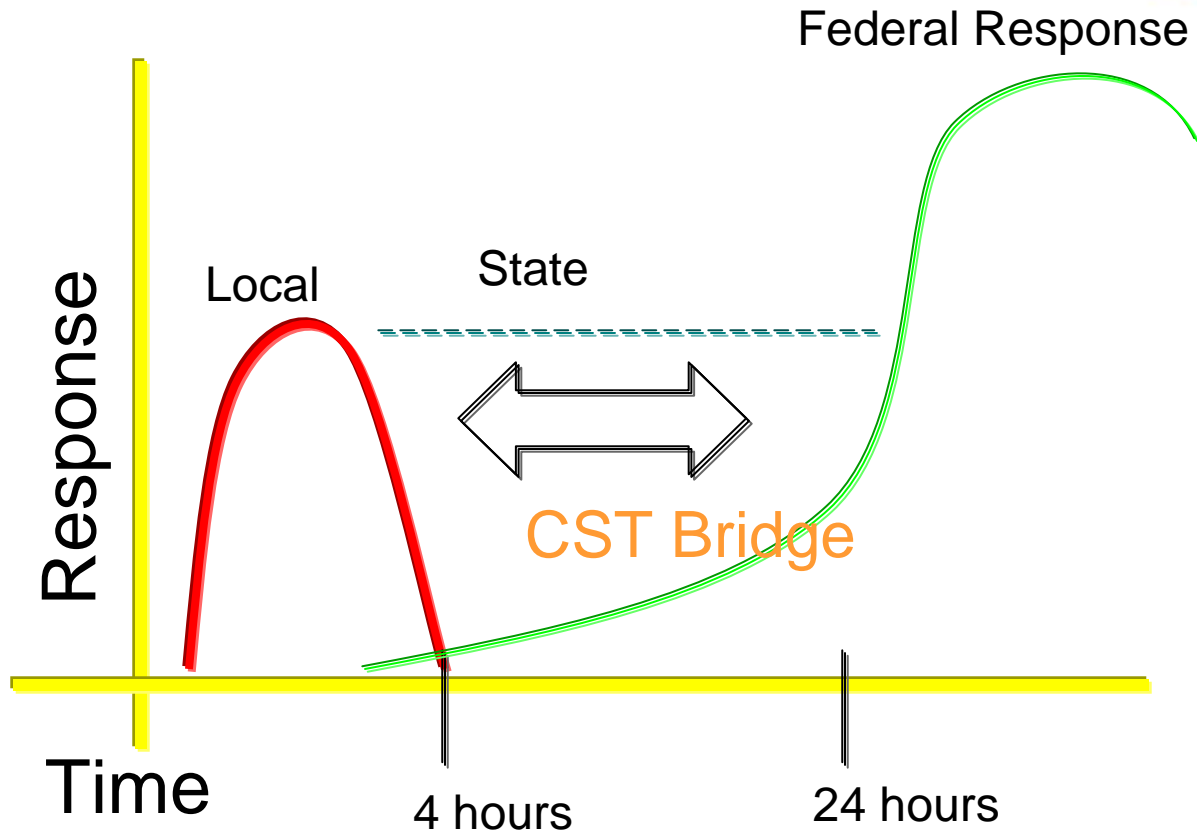
95th and 9th CST (WMD) Secondary Responsibility



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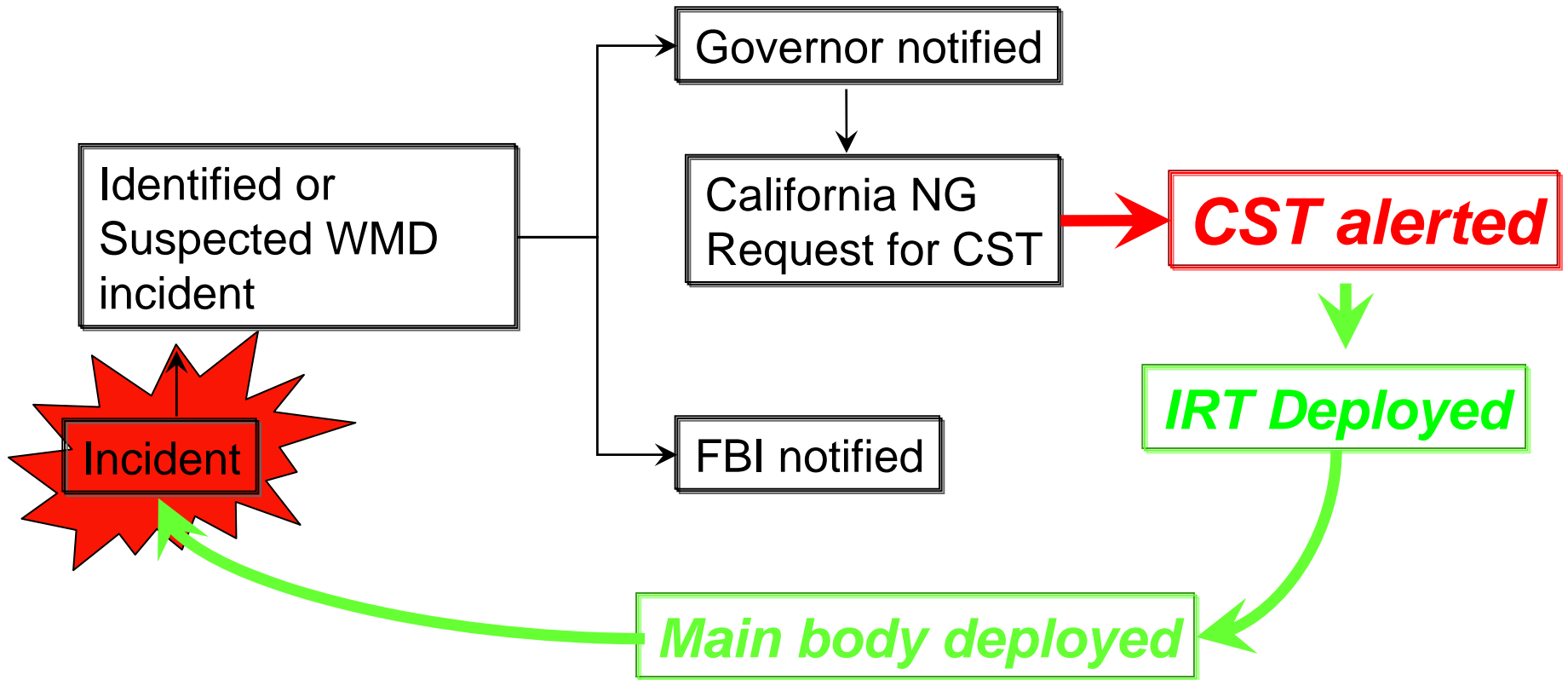
Response Bridge



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Cycle of Response





Deployment Options



- **Full Team Deployment**
- **By Section Deployment**
 - Science Section
 - Communication Section
 - Operations Section; or provide technical reference capability from home station
 - Medical Section
 - Survey Section
 - Decontamination Section





Survey Capabilities



- 8 Survey Team Members
- Conduct CBRNE/TIC/TIM Reconnaissance
- Environmental Sampling Operations
- Limited Mitigation Operations



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Operations Capabilities



- Aerial Photography and Satellite imagery
- Site Plans / Weather Monitoring
- Synchronization of Resources
- Pre and Post Incident CBRNE Threat Analysis
- C4 (Command, Control, Computers and Communications)

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Modeling Capabilities



- Provides information on population and critical facilities.
- Provides Down-range Hazard plume modeling.
- iClient models
- Reach back with National Atmospheric Release Advisory Center (NARAC)
- Consequence Assessment Tool Set (CATS)
- Hazardous Predictions And Assessment Capabilities (HPAC)
- GIS integration and Analysis



Communications Capabilities



- Provide interface across the spectrum of first responder frequencies and response organizations.
- Secure Reach Back to experts at varied State and Federal agencies.
- Provide secure telephone, internet, networking, and facsimile capabilities to an incident scene.
- Provide interoperability and a Common Operating Picture (COP)



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Medical Capabilities



- Medical Officer (PA, MD, DO)
- Medical Operations Officer (Medical Liaison)
- Advise on treatment of WMD casualties.
- Integrates DoD medical support
- Medical Intelligence
- Technical Reference
- Medical Surveillance Programs





Science Capabilities



- Nuclear Medical Science Officer
- Equipped to conduct laboratory based, on-site presumptive analysis of WMD agents and Toxic Industrial Chemicals and Toxic Industrial Materials

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Analytical Lab System (ALS)



- Hapsite Gas Chromatograph-Mass Spectrometer (GC-MS)
- Fieldspec Gamma Spectrometer
- Isolation & Sample Prep Glove Boxes
- RAPID PCR Thermocycler
- Avatar 370 Fourier Transform Infrared Spectrometer (FT-IR) with Golden Gate Sample System





Analytical Lab System (ALS) Continued



- Nikon/Olympus Polarized Light Microscope with Fluorescence Capabilities
- Smiths Illuminat-IR Fourier Transform Infrared Spectrometer (FT-IR) Integrated with the Microscope
- Hand-held Immunoassay Tickets (JPO)
- Basic Microbiological Analyses



Decontamination Capabilities



- Two Man Technical Decon Team
- Chemical, Biological & Radiological Decon
- Limited Mass Decon Capabilities



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CST Operations



- **Immediate Response**
- **Pre-Stage Events (SSSE, NSSE, Dignitary Support)**
- **Maritime Response**
- **Technical Resource / Reach Back**
- **WMD Training / Exercise Support**
- **All Hazard Operations (Hurricane, Earthquake)**



Questions?



95th CST
Hayward, CA
LTC Greg Potter
510-780-1395



9th CST
Los Alamitos, CA
LTC Andrew Flynn
562-795-2460