



USCG National Strike Force Atlantic Strike Team Capabilities

January 2020



Homeland
Security



Outline

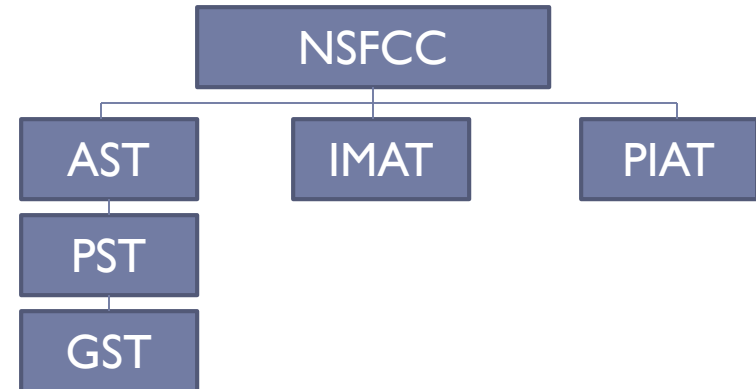
- Overview of the National Strike Force
- Strike Team Capabilities
- Requesting Strike Team Support
- Case Summaries





Overview of the National Strike Force

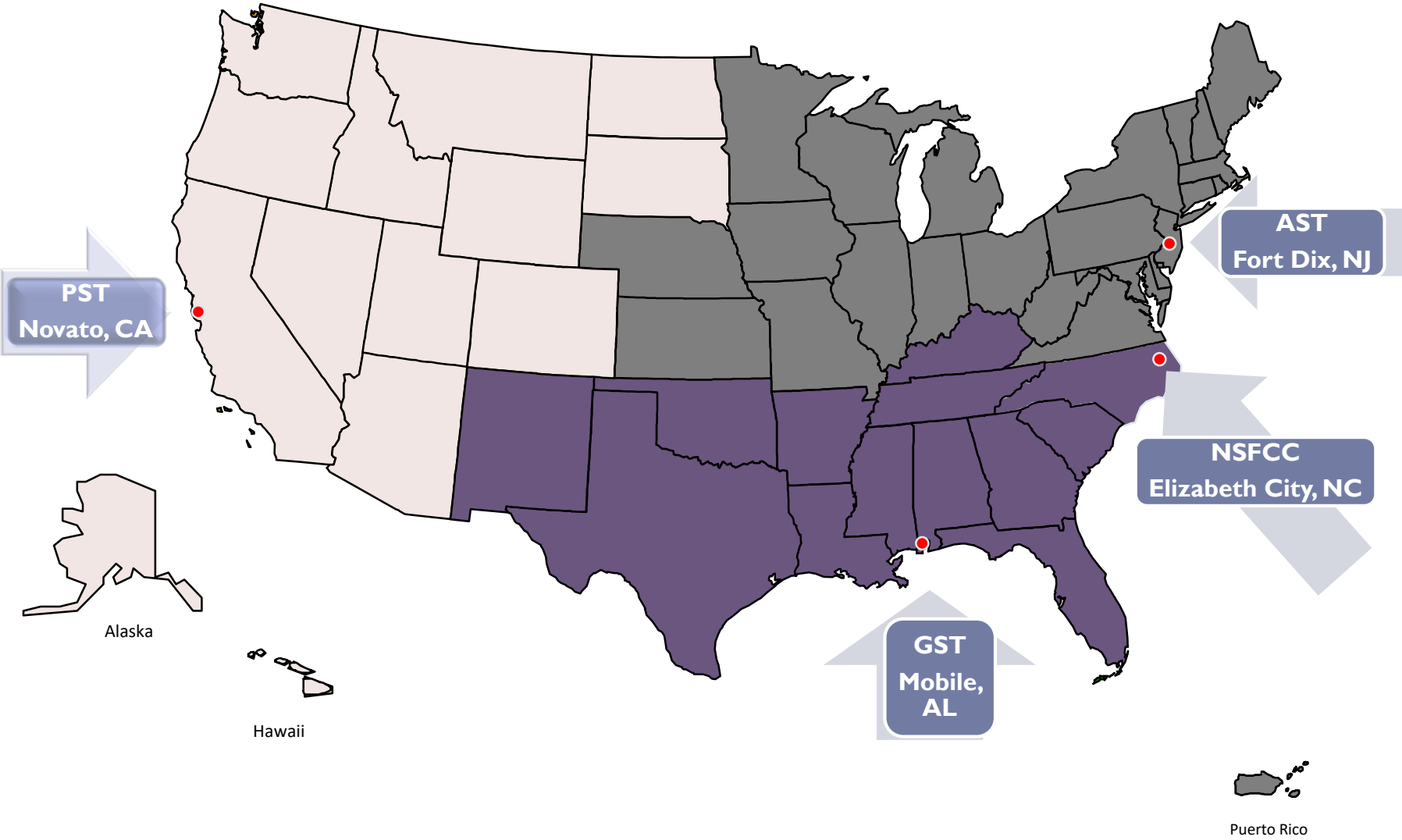
- ▶ **Special Team** under National Contingency Plan (40CFR300) and National Response Framework
- ▶ **Deployable Specialized Force** (unarmed)
- ▶ **What We Do:** Organized and equipped to support National and Coast Guard Preparedness and Response operations for all hazards.
- ▶ **Support Functions:**
 - ▶ Oil spill / HAZMAT / WMD / CBRN response and technical expertise
 - ▶ Incident Command System & Response Management Support
 - ▶ Crisis Communication Support
 - ▶ Preparedness Exercise Support



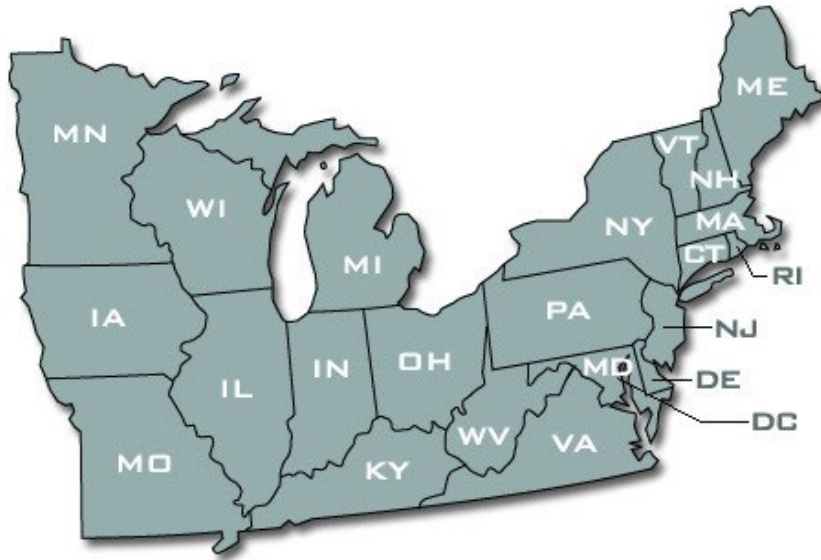
- ▶ **Supported entities:**
 - ▶ Federal On Scene Coordinators
 - ▶ USCG & EPA
 - ▶ United States Secret Service
 - ▶ Lead Agency Incident Commander
 - ▶ Department of Defense Combatant Commanders
 - ▶ Department of State
 - ▶ International Preparedness and Response



Overview of the National Strike Force



Overview of the Atlantic Strike Team



▶ **AOR:**

- ▶ CG District 1, 5, 7, 8, 9
- ▶ EPA Region 1, 2, 3, 5, 7
- ▶ Puerto Rico & US Virgin Islands
- ▶ Internationally Africa, Mid East, Europe, E. Canada

▶ **Unit Statistics:**

- ▶ 78 Active, Reserve, Civilian, & Aux Members
- ▶ Military Rates from all CG missions:
 - ▶ Boatswain Mates
 - ▶ Machinery Technicians
 - ▶ Marine Science Technicians
 - ▶ Damage Controlman
 - ▶ Electrician Mates
 - ▶ Electronics Technician
 - ▶ Yeoman
 - ▶ Storekeeper
 - ▶ Corpsman

Strike Team Composition & Response Posture

➤ **Response Qualifications:**

- Response Member
- Response Technician
- Response Supervisor
- Response Officer

➤ **Additional Qualifications:**

- Commercial Driver's Licensed (CDL) Drivers
- Critical Incident Search and Rescue (CISAR) Small Boat Coxn and Crewmen
- Emergency Medical Technicians (EMT)
- Confined Space Entry & Rescue
- CG Radiation Level II
- Incident Command System (ICS) Type Specific



▶ **Response Posture:**

- ▶ Six members in B-6
- ▶ 18 member all-incident response team across all three Strike Teams
- ▶ All team members on B-24, 24/7

Capabilities – Response Management



- ▶ Provide fully deployable Incident Command Support Teams
 - ▶ Scaled to size and type of incident
 - ▶ Oil
 - ▶ CBRN
 - ▶ Natural Disaster (Stafford Act)
 - ▶ National Special Security Event (NSSE)
 - ▶ Decontamination



- ▶ Command and Control (C2) Trailer
 - ▶ 38 ft deployable command post
 - ▶ Communications
 - ▶ ProRAE Guardian
 - ▶ MSA Telemetry Modules
 - ▶ Weather Monitoring





Capabilities – Site Safety & Oversight

- ▶ Site Assessment
- ▶ Site Safety Plan Development & Assistance
- ▶ Contractor Monitoring
- ▶ Air Monitoring (perimeter and down range)
- ▶ EMT Support



Capabilities – Oil Response

- ▶ Skimming operations w/government owned and contracted equipment
 - ▶ Vessel of Opportunity Skimming System (VOSS)
- ▶ Containment (open-water, coastal, shoreline)
- ▶ Shoreline assessment (SCAT) and response & recovery recommendations
- ▶ Dispersant & In-situ burn use, oversight, and effectiveness monitoring (SMART)



Capabilities – Pumping

- ▶ Submersible and non-submersible pumps
 - ▶ Chemicals
 - ▶ Oil
 - ▶ Viscous Oil and Sludges (Viscous Oil Pumping System – VOPS)
 - ▶ Corrosives

- ▶ Large Pump Load includes
 - ▶ CCN 150 pumps
 - ▶ 3,000 gpm
 - ▶ Used to dewater Battery Bridge Tunnel after Hurricane Sandy



Capabilities – Salvage & Lightering

- ▶ Salvage Contractor Monitoring
- ▶ Vessel Damage Assessment in consultation with C Salvage Engineering Response Team (SERT)
- ▶ Salvage & Lightering plan review
- ▶ Plugging/Patching and Lightering Expertise
- ▶ Upgraded mitigation tools including magnetic patch technology



Capabilities – CBRN Response

▶ **Chemical/Biological/WMD**

- ▶ Only USCG unit authorized to operate in toxic/hazardous atmospheres
 - ▶ Trained in Level A, B, C entries
- ▶ Chemical identification, characterization and disposal
- ▶ Air Monitoring
- ▶ Sampling
- ▶ Confined Space Entry

▶ **Radiation**

- ▶ Alpha, beta, gamma detection
- ▶ Isotope Identification
- ▶ CG Level I and Level II



Capabilities – Decontamination



- ▶ Technical Decontamination
- ▶ Incorporating Electrostatic sprayers (handheld and backpack)
- ▶ Testing Dahlgren solution
- ▶ First Responder emergency decontamination
- ▶ Advise and oversee vessel & equipment decontamination

Recently Upgraded Air Monitoring & Reconnaissance Equipment



- ▶ ProRAE Guardian Suite
- ▶ RAE Systems:
 - ▶ AreaRAE
 - ▶ MultiRAE
 - ▶ Gamma & NeutronRAE
 - ▶ UltraRAE
- ▶ DustTrak Particulate Air Monitoring
- ▶ Toxic Vapor Analyzer (TVA) 2020
- ▶ iRobot Reconnaissance Robot
- ▶ ThermoScientific GEMINI
- ▶ Unmanned Aerial Surveillance (UAS)





National Special Security Event (NSSE)



- ▶ Deploys a 12 person team for HAZMAT/CBRN response contingencies
- ▶ Real-time air monitoring
 - ▶ Landside & Waterside
- ▶ Radiation detection
- ▶ Responder decontamination
- ▶ Augments the Incident Command Post with Incident Management Team members

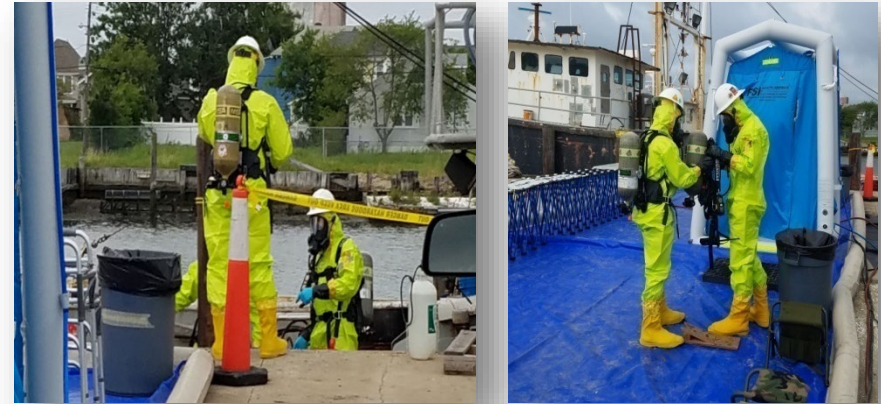


AST provided support to USCG and U.S. Secret Service during the Republican National Convention, Democratic National Convention, POTUS 41 Funeral, Boston Marathon and Papal visit in Philadelphia.

Case Summary– F/V WILLIAM LEE



USCG Sector Delaware Bay requested AST CBRN support after commercial fishing vessel encountered WWII munitions and a crewmember was exposed to mustard agent. The vessel had continued fishing for three days post exposure and sold potentially contaminated catch to market.



- ▶ Conducted LEVEL B entries onto the vessel moored pier side.
- ▶ Characterized extent of contamination
- ▶ Info critical to disposition of catch and lifting of the COTP order

Case Summary– St. Simon Sound Incident



- USCG Marine Safety Unit Savannah requested Strike Team assistance when the M/V GOLDEN RAY overturned in St. Simon Sound near the port of Brunswick, GA
- AST deployed and provided:
 - Vessel Damage Assessment
 - Search and Rescue Assistance
 - Contractor Oversight
 - SCAT members
 - UAS support
- Support is currently on-going



Case Launch – EPA



OSLTF

- ▶ When FPN is opened, an AST deployment can be funded through the project number
- ▶ Contact Strike Team OPS to start the process
- ▶ We will receive accounting string from NPFC and generate orders

CERCLA

- ▶ When CPN is opened, contact Strike Team OPS
 - ▶ A Work Authorization Form (WAF) and Scope of Work (SOW) will be generated
 - ▶ Once received, we can generate orders and launch members through the fund
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Atlantic Strike Team



CAPT Raymond Negròn
Commanding Officer

LCDR Brownie Kuk
Executive Officer

LT Samantha Cardoza
Operations Officer

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Questions?

