Our Mission: To respond to oil spills and other natural disasters
Nationwide Oil Spill Response

Total of 74 pre positioned sites, including Hawaii, St. Croix, and Puerto Rico.
T&IS Technician Locations
Location of T&IS Personnel and Emergency Communication Packages.
T&IS Mission

• Handle day to day operations from a technical standpoint
• Install/maintain internet and VOIP networks, radio equipment, satellite communications, telecom, help desk (computer support), and deploy emergency communications equipment.
• Preform radio officer duties onboard Oil Spill Response Vessels (OSRV).
• Support Surveillance and Remote Sensing (SRS) program.
ECP (Emergency Communications Package)

- Internet and voice over satellite
- Radio Communications
- Power distribution
Equipment Detail

• **Ku-band Satellite System**
  – 2.5 Mbps down, 1.5 Mbps Up (expandable up to 20 Mbps with X7 modem upgrade)
  – Can support approximately 100 telephones:
    • 50 Cisco wired VOIP Phones
    • 10 Cisco wireless VOIP Phones
    • 2 Cisco conference phones
    • 30 analog POTS phones (additional Cisco/POTS sets can be supplemented from another region).

• **LAN/WLAN**
  – Fiber backbone
  – Wired data connections via Cisco 24, 12, and 8 port switches
  – 8 indoor and 1 outdoor Cisco access points, with 1 wireless controller.
Equipment Detail - Continued

• VHF, UHF, Marine, and Aviation radio support:
  – 52’ pneumatic mast with 6 antenna mounts
  – Dispatch console with two remote stations
  – (20) UHF handheld radios
  – (30) VHF handheld radios
  – (3 ea.) VHF, UHF, marine base stations
  – (1) aviation base station with two handhelds
  – (2 ea.) VHF, VHF narrow-band, and UHF repeaters
  – (1) ROIP kit
  – (1) Cross-Band Repeater
Equipment Detail - Continued

• **Small VOIP Kit**
  – Supports (4) wired and (4) wireless Cisco VOIP phones
  – (2) WAPs and (2) switches for LAN connectivity
  – 20:1 oversubscribed network 5120/2048 Kbps

• **Generator**
  • (2) 26 KW (240 V single phase) generators
  • AC power distribution to command center
  • 72 – 84 hour run time under normal operations.
Small Satellite Package