



Connecticut Department of Public Safety
Division of State Police
Rapid Deployment Vehicle (RDV)

The Connecticut Telecommunications System (CTS) Unit operates six (6) Rapid Deployment Vehicles. These vehicles are assigned to the CTS Engineers on a full-time basis and are available for immediate response to any incident that requires communications support for the Division and/or enhancement of interoperability resources. The vehicle meets the requirements of a NIMS Type IV Mobile Communications Center.

Each vehicle is equipped with:

- VHF / UHF / dual 800 mhz capability with Smartzone and 7.x trunking, ASTRO CAI, and DES/multikey capability
 - Radios are extremely flexible and can be programmed in the field for specific requirements. Radios are pre-programmed with regional interoperational frequencies.
- 800 mhz Desktop Control Station
- 8 port audio bridge/controller
 - It is possible to “cross-patch” between radios in the vehicle to enhance interoperability between agencies and/or enable interoperability between “digital” and analog radio systems.
- 24 Foot self-supporting “push up” mast
- Wideband antennas for VHF/UHF/700/800
- Dell D620 Mobile Mounted Laptop computer with various software
 - The laptop computer allows for field programming of radio equipment, including on board radios, topographic mapping software, etc.
- Motorola PDR3500 Portable 800mhz repeater
 - Can replace/replicate/enhance local ICALL/ITAC repeater coverage
 - Can provide enhance local “low power” radio channels
- Motorola Micom 3T - 1.6khz – 30mhz HF radio with ALE
 - Compatible with regional and federal HF radio networks to provide wide area restoration/coordination of incidents
- SkyTerra Satellite based telephone/radio with regional and national interoperability talkgroups
- GPS based vehicle location with mapping
- Motorola R2670 Service monitor with trunking and ASTRO options
- HP Transmission Impairment Measuring Set (TIMS)
- Analog scanner with “frequency finding” capability
 - Enables rapid evaluation of local radio systems to provide interoperability as well as monitoring of non-critical radio systems
- Highly trained, experienced, and motivated Public Safety Telecommunications Engineer
 - The Engineers are public safety telecommunications professionals bringing an intimate knowledge of radio capabilities, capacities, and system requirements to an incident, thus allowing for maximum utilization and exploitation of the communications system.

Some examples of interoperability resources pre-programmed into the RDV's:

- Fairfield County Chief's
- ICALL/ITAC
- Massachusetts State Police 800mhz Trunked System
- NYC Federal IO System – both IO1 and IO2
- RAFS
- Rhode Island RISCON (pending)
- RISPERN (Rhode Island Police Emergency Radio Network)
- SCAN
- STOCS
- Suffolk County, NY “Command Band”
- Tri-State Interoperability System (CT, MA, RI)
- WARN (Waterbury Area)
- WMLEC (Western Massachusetts Law Enforcement Council)