The Connecticut Telecommunications System (CTS) is a unit within the Division of Statewide Emergency Telecommunications (DSET). CTS provides land mobile radio and other interoperable communications for the Connecticut State Police and supports the CLMRN network for municipalities, other states, CT state departments, and federal agencies. With over 15,000 radios in use, the network is able to integrate trunked systems with conventional radios and dispatch consoles.

CTS manages over 65 sites across CT to support the subsystems. Many sites include an antenna support tower and shelter built to specifications that exceed industry standards, assure survivability, and maintain network operations during extreme conditions.

The CTS Mutual Aid (8CALL/8TAC) system was implemented as part of the 800 MHz radio installation to provide interoperability between Public Safety Agencies. This complies with National Public Safety Planning Advisory Committee (NPSPAC) recommendations, FCC Rules & Regulations, and Regions 8 & 19 Regional Planning Update Committee (RPUC) plans.

Interoperability allows agencies to communicate with others regardless of manufacturer, equipment model, or frequency of their native system. CTS provides various ways to allow communication between agencies. The 800 MHz NPSPAC 8CALL/8TAC system, legacy radio systems and dispatch console cross patching can create many flexible configurations.

Contact CTS to see local coverage maps and ask if your current system is compatible.

Department of Emergency Services and Public Protection (CTS Unit)
1111 Country Club Road, Middletown, CT 06457

Connecticut Land Mobile Radio Network (CLMRN)

Making Interoperability a Reality by enhancing critical communications for Connecticut municipalities and public safety partners

What is the CLMRN?

The CLMRN is a trunked P25 (Phase 1 & Phase 2) 700/800 MHz system that provides 98% mobile coverage statewide. The network radio sites are linked with both microwave and fiber optic cable. This provides public safety grade reliability with 24x7x365 monitoring by a dedicated team of experts at the Network Control Center.

Benefits of Joining the CLMRN

- No fees charged by the State
- Interoperability with other users
- Access to conventional channel gateway network (CCGW) with Motorola consoles
- Over–the-air–rekeying (OTAR)
- Over-the-air-programming (OTAP)
- Access to the state radio management system
- Potential improved coverage
- 24/7/365 monitoring
- Reduced costs vs. building system
- Mobile phone/LTE integration
- Quarterly User Group meetings

Who is eligible to use the Network?
Municipalities & public safety providers:
- Law Enforcement
- Fire Departments
- EMS
- Public Works
- Emergency Response Teams
- Transportation
- Schools
- Other Public Safety Supporters

Frequently Asked Questions

Can I just use my current system?

Radios and equipment you want to use on the network must meet P25 standards, pass the Compliance Acceptance Program (CAP), and be approved by CTS engineers.

Is the network vulnerable to outages?

Most sites are equipped with a standby generator & 8-hour battery backup, redundant HVAC, entry control, alarms, and fire detection systems.

Can you enhance radio coverage?

To improve street level/in-building portable radio coverage, beyond the network's current capability, may require the user to purchase equipment (e.g., infrastructure, repeaters, etc.) to enhance reception.

Are communications encrypted?

Radios can be programmed for encrypted communication. Users are responsible for ensuring radio & equipment compatibility.

CLMRN User Survey

Feedback is important and benefits the whole group. Here's what we learned from a recent survey:

- 77% reported improved interoperability with other users.

Users on their experience working with CTS Engineers:

"They were very informative and provided detailed information about the transition throughout the change over."

"Extremely helpful and responsive. Especially when called upon during (a) critical incident."

Contact Us

The best way to determine if the CLMRN is right for you is to reach out and set up a conference call with the CTS team.

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