



Emergency Communications Network

Who We Are

The Global Mission Communications Programs (GMCP) of the Nevada National Security Site provides dedicated communications capabilities in support of the global emergency management and response mission of the U.S. Department of Energy/National Nuclear Security Administration (DOE/NNSA) and its Government partners.

What We Offer

- High availability classified and unclassified Emergency Communications Network (ECN) services (data, video, voice) for secure and reliable communications between government mission partners
- Capability to store and transmit nuclear/radiological information up to Secret/Restricted Data
- Ability to transmit data-heavy information including radiation detection and analysis, geographic information systems maps, and data telemetry
- Specialized, custom services and isolated networks available to support highly sensitive missions
- Compact Mobile ECN (MECN) kits that include portable satellites
- 24/7/365 Network Operations Center technical support with customizable service levels
- Q-cleared, field-deployable information technology emergency responders with extensive global exercise and real-world support experience

Custom Services

- Design, layout, and installation of state-of-the-art, LED video walls and operations rooms
 - Ability to integrate other networks into video walls
- Classified and unclassified satellite trailers and incident command vehicles (ICV)
 - Satellite trailers can be attached to vehicles and moved to support locations
 - ICV are fully mobile command centers that can be driven to safe locations for operations
- Remote camera monitoring, broadcasts, and special events
 - Provides voice capabilities outside of cellular service areas
 - Broadcasts remote activities back into the NNSA system using MECN
 - Expands traditional video broadcast services to non-traditional or difficult locations
- Remote laboratory testing communications
 - Allows partners to view events and provide feedback in real time
 - Facilitates remote work for DOE/NNSA customers





- Secure and resilient Tier V data center leasing space for government partners
- Essential records services and continuity of operations
- Custom field solutions deployable in as few as 45 days
 - Durable field equipment
 - Temporary, in-field networks for sensitive missions
 - Ability to transmit/receive from isolated locations in specific parts of the world's oceans

Use Cases

- GMCP and the Federal Aviation Administration partner on a bandwidth

sharing agreement. This agreement provides both parties with technical and financial benefits: each network has the ability to use dormant satellite bandwidth, experience increased speed, and enjoy optimization of the frequency spectrum at a discounted cost.

- GMCP partners with the DOE Office of the Chief Information Officer to deliver vital and essential records storage for continuity of operations. Because the ECN is designed to stay up when other networks go down and offers satellite services, the network is the ideal location to ensure personnel retain access to these records during an emergency situation.



NNSASM
National Nuclear Security Administration

For more information, visit:

www.nnss.gov

NNSS-ECN-U-0055-Rev01
October 2023