

On-Site technology when you need it most.

With On-Site technology you receive:

- Total Mobility
- Rapid Emergency Response
- Voice, Video and Data Communications
- Multiple Incident Sites
- Initiators and Responders
- Versatile Applications Platform
- Independent of Terrestrial Grids



Standard Mobile Site Command Trailer

Full Collaborative Communication from Applied Global Technologies®

The AGT Mobile Site Command (MSC)

This system is the solution for customers that require a deployable platform for emergency response voice, video, and data communications. The focus of the MSC is to provide effective communications both at an incident site (horizontal comms) and from responders at that incident site to their respective chains of command (vertical comms).

Typically provided to the National Guard in a configuration that facilitates full data capability exclusively for DoD-uniformed personnel, the MSC is reconfigurable (software-based) to extend fully-authenticated and trusted data capability to any/all first responders at a site across a single satellite or long-haul wireless reachback connection.

Developed from the baseline National Guard Communication Element (NGCE) specifications, the MSC incorporates additional enhancements to further minimize setup time while maximizing operational efficiency and ease-of-use.

While the MSC solution depicted here is the "standard" setup, minor customization is typically undertaken to best suit each state's unique emergency communications needs. As within the NGCE specification, the MSC solution addresses all of the following NGCE subcategories:

Command Post Integration Module

The cornerstone of any effective responder/solution, the Command Post Integration Module facilitates and provides comprehensive, secure, and trusted voice/video/data environment for all NG forward-deployed personnel. At NG discretion (typically on a per-state/per-incident basis), CP Integration components can provide secure, accredited desktop environment for non-DoD first responders at an incident site. Depending upon requirements, CP Integration Module

can also be utilized to facilitate voice/video/data interaction between diverse first responder organizations at an incident site. Command Post Integration Module components typically include:

- **Security Devices:** Firewalls, IDS/IPS, VPN concentrators and additional components are utilized to provide a full 802.1x and PKI-capable architecture for both wired and wireless LAN users
- **Routers:** Includes localized VoIP resources
- **Switches:** Includes full 802.af Power-over-Ethernet (PoE) support on all ports
- **Servers:** Fully-redundant servers provided for file-sharing, collaboration, and GIS applications at the incident site levels
- **Wireless Access Points:** authenticated wireless connectivity to far NG forward-deployed and (at NG discretion) other first responders
- **Ruggedized Laptops**
- **Printers:** Full color and b/w printing, scanning, and facsimile capabilities for NG and other first responders
- **Video Conferencing Equipment:** Two-way VTC equipment with SIP and H.239 (simultaneous people and content sharing) capability
- **Secure Operations:** Capability at NG discretion, capability to augment system with additional firewall, in-line encryptor, and network equipment suitable to support concurrent SIPRNET and NIPRNET capability and operation for forward-deployed DoD personnel.

Support Equipment Module

Provides the delivery method and operational environment for communications activities. While NGCE solutions are delivered in a variety of physical form factors, the AGT MSC solution is typically provided in one of the following form factors:

- **Integrated Trailer:** Provides space for minimum four (4) NG forward-deployed personnel within enclosed environment. Reduced operational startup time from arrival at site through integrated connectivity and reduction in steps required for system activation. Capable of over-the-road and line-hauling transport.
- **Ruggedized Container:** Provides all of the functionality of the Integrated Trailer within a Mil-spec container. Typically used in conjunction with a wheel set or commercial flatbed for over-the-road mobility, this form factor is also capable of standard-profile line hauling as well as helicopter sling. Provides space for minimum two (2) NG forward-deployed personnel within enclosed environment.

In both of the form factors, the AGT Mobile Site Command system provides all of the following support components and functions:

- **Portable Generators:** Dual diesel generators provide independence from terrestrial power grids for all MSC equipment and for a limited amount of surrounding operations. Capable of full operation for greater than 48 hours of standalone operation without diesel resupply.
- **Uninterruptible Power Supplies (UPS)**
- **Environmental Control Units (ECUs)**
- **Transit and Storage Cases**
- **Cable Management/Protection Scheme:** All cabling within environment is color-coded and labeled. System is designed to facilitate easy reconfiguration of all ports both inside and outside of physical platform provided.
- **Integrated Grounding System:** Contains integrated grounding system for all components.
- **Integrated Network and Power Interface:** Integrated network interface and power interface panels for all connections to external devices, users, and networks

Reachback Connectivity Module

Provides satellite and/or long-haul wireless connectivity from an incident site back to NG facilities, nearby incident sites, and/or surviving terrestrial broadband networks. While geared to provide reachback capability for NG personnel, the system can (at NG discretion) also be utilized for secure, trusted reachback communications from non-NG first responders to their "parent" organizations. The reachback communications

module is typically comprised of:

- **1.2m Deployable Satellite Dish**
- **Satellite Comms Gear**
- **Fiber Media Converters**
- **802.16 or other HiCLOS/NLOS Wireless Access Point**
- **Wireless Antenna Mast**

Incident-Site Comms Module

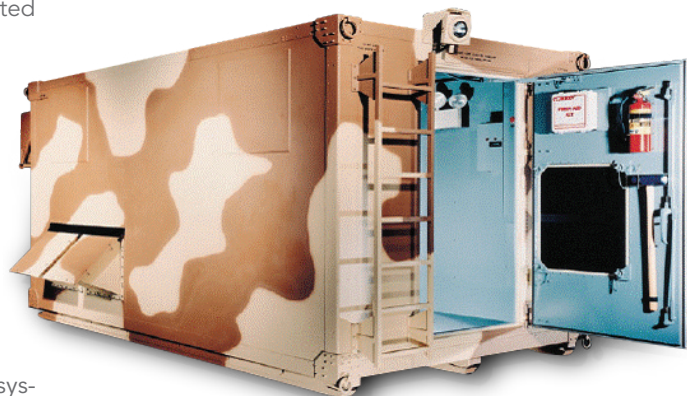
Facilitates and provides voice communications capability to National Guard first responders and diverse organizations' command elements at an incident site. Typically comprised of:

- **Tactical Antenna System**
- **UHF Repeater (or 800 Mhz Repeater)**
- **UHF (or 800 Mhz) Radio Handsets**
- **Generated Analog Tie Lines**
- **Generated BRI lines**
- **VoIP Handsets**

Voice Interoperability Module

Enables analog and digital voice communications between NG first responders and diverse state and federal organizations at an incident site. Additionally, provides the radio "front-end" to shared VoIP resources (tied into NG terrestrial facilities and at NG discretion) for all first responders at and around an incident site. Typically comprised of:

- **Voice Interoperability Gateway Chassis:** Provides connectivity among diverse HF, VHF, UHF, 700/800 Mhz, ham, CB, and cellular handsets and base stations. Can tie together (at NG discretion) both non-secure and secure radio trunks.



Container Customization