



In battlefield, peacekeeping and homeland security scenarios, the need for secure, flexible and mobile communications has never been higher. The Tactical Tempest Command and Control Center or T<sup>2</sup>C<sup>3</sup> – is a versatile and powerful communications platform that enables secure video, voice and data communications at remote locations in the field. Its low weight, small size, low power consumption and extreme portability – one person can stow it in the rear of a humvee, unpack it and be fully operational in 30 minutes – makes the T<sup>2</sup>C<sup>3</sup> ideal for small to medium-sized units that fall between the individual soldier or disaster recovery official and fixed-base command centers. The T<sup>2</sup>C<sup>3</sup> connects anyone virtually anywhere, even without any existing communications infrastructure.

#### APPLICATIONS FOR REMOTE LOCATIONS:

- Relay and respond to orders in the chain of command
- Emergency Broadcast capability informs deployed personnel of critical information on a real-time basis
- Collect, receive and analyze intelligence
- 1st responders emergency response, medical treatment, evacuation and investigation
- Online training

The T<sup>2</sup>C<sup>3</sup> is a tightly integrated technology solution of field-proven, commercial off-the-shelf components (COTS) that provides a complete and totally secure communications platform with a low-observable profile. The T<sup>2</sup>C<sup>3</sup> includes: tempested enclosures, real-time delivery of data and broadcast-quality video through a satellite receiver and networking platform, secure voice and data dissemination and its own power supply. It is well suited for next-generation military programs such as WIN-T, GiG, NMCI and network-centric warfare.

The T<sup>2</sup>C<sup>3</sup> is possible through a consortium of companies, all leaders in their respective fields, who have forged a new business model developing T<sup>2</sup>C<sup>3</sup> as a best-of-breed COTS system.

#### T<sup>2</sup>C<sup>3</sup> HIGHLIGHTS:

- Enables real-time, symmetric delivery of broadcast-quality multi-channel video, audio and IP data – anywhere.
- Scheduling and reliable delivery of web, video and image data over secure multicast network
- Easy to assemble and fully operational in as little as 30 minutes
- Satellite communication, tactical LAN system, HVAC power unit and computer workstations are interoperable and fully-integrated
- Tempest enclosures at 80dB attenuation and secure telephone at 128 kbps,
- FIPS-140 compliant conditional access system for encryption of video and data over satellite
- Lightweight, turnkey system – entire platform is pre-packed in ruggedized cases and ready-to-ship on less than a single pallet
- Scalable – one person system up to a coalition of forces
- Modular design – available in standard configurations as a single unit or individual parts can be sourced separately
- All components already government-certified and field-tested





The T<sup>2</sup>C<sup>3</sup> is available in 7 standard configurations or individual components may be sourced separately.

#### Components include:

**1. Secure Communications** — Mobile workstations that provide secure and reliable in-bound voice, video and data, and secure out-bound voice and data communications. Full integrations with up to 128K NSA Type I INMARSAT communications (voice or data), and capable of receiving FIPS-140 compliant Type 2 encrypted data and video from Ka/Ku-band satellite transmissions.

**2. Emergency Broadcast** — Real-time delivery of Type 1 or Type 2 encrypted emergency data and video to highly mobile and portable workstations. Capable of receiving web, image, and live or on-demand streaming video over a one-way secure Ka/Ku-band satellite transmission. Ability to target different information to different remote sites.

**3. Secure LAN** — Complete TACLAN with video and web distribution/management capable of providing all network services in a 2-case set that is highly mobile with rapid setup.

**4. Analyst Workstations** — Highly mobile workstation customized for specific analyst applications or work product, and can include INMARSAT and Ka/Ku-band satellite communications (voice, video and data), and inherent video telecommunications capability (VTC).

**5. Tactical SCIF** — A portable tactical TEMPEST SCIF enclosure ranging in size from a single user to a full command center. Provides an average 80dB RF shielding to suppress electromagnetic interference (EMI), electromagnetic pulse (EMP) and other electromagnetic environmental effects (E3). Seamless integration with all T<sup>2</sup>C<sup>3</sup> workstations.

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The "Custom COTS" Solution

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