

# Combat Service Support Communications

Enhances Soldier safety and connects Soldiers with vital supplies through wireless satellite communications.

## INVESTMENT COMPONENT

Modernization

Recapitalization

Maintenance

### Description & Specifications

Combat Service Support Automated Information Systems Interface (CAISI) allows combat service support (CSS) automation devices to network and electronically exchange information via tactical or commercial communications. CSS satellite communications (CSS SATCOM) complements CAISI with an easy-to-use, transportable SATCOM link to extend broadband information exchange anywhere in the world.

CAISI is a deployable wireless LAN infrastructure linking up to 40 tents, vans, or shelters in a deployed 7-square-kilometer area. It includes Federal Information Processing Standards (FIPS) security requirements 140-2 Level 2 approved encryption for

sensitive but unclassified traffic. CSS SATCOM uses commercial off-the-shelf auto-pointing remote satellite terminal hardware repackaged in fly-away transit cases. Four fixed-site, contractor-operated commercial teleports provide global coverage. CSS SATCOM supports operations at quick halt and rapid movement within the battle space, and eliminates the often dangerous transport of re-supply or spare parts orders on floppy disks.

CSS SATCOM uses commercial off-the-shelf, Ku band, fly-away remote satellite terminals called VSATs (very small aperture terminals) that are fielded to deployable forces, plus a contractor-operated supporting fixed infrastructure of four teleports and high-speed terrestrial links that is connected to the unclassified segment of the Global Information Grid.

### Program Status

- **2Q–4QFY06:** CAISI and CSS VSAT trained and fielded equipment to units IAW the Army Campaign Plan
- CAISI upgrade (research and testing continues)
- Port of Beaumont, TX, networked using the new CAISI repeater modules
- CAISI deployed with CSS VSAT in support of Hurricane Katrina relief
- Migrated all CFLCC C4 VSATs into CSS SATCOM
- 554 VSATs fielded since FY04
- Biometric Identification System for Access supported with 12 VSATs
- **1FY07:** Commence fielding Voice over Internet Protocol (VoIP) with selected VSATs

### Projected Activities

- **2QFY07–2QFY09:** CAISI and CSS VSAT will continue to train and equip units IAW the Army Campaign Plan; field units identified under G1 PSDR effort; begin “Tech Refresh”; CAISI accreditation for version 1.0 and 1.1
- **1QFY07–3QFY07:** Re-accredit CAISI and VSAT
- **1FY09:** Commence VSAT technology refresh

## ACQUISITION PHASE

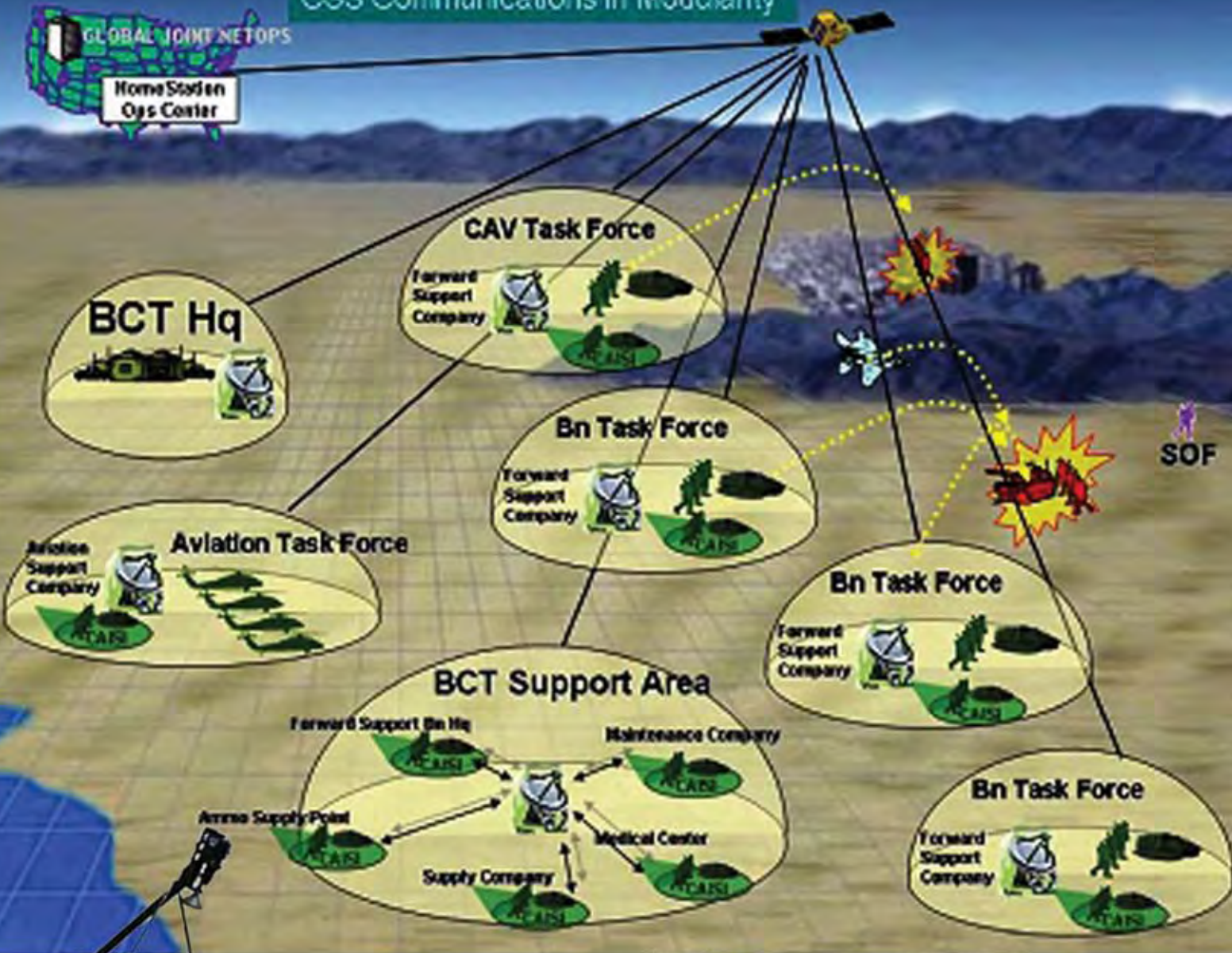
Concept & Technology Development

System Development & Demonstration

Production & Deployment

Operations & Support

# CSS Communications in Modularity



## Combat Service Support Communications

### FOREIGN MILITARY SALES

None

### CONTRACTORS

#### IT equipment:

- Computer Giant (New York, NY)
- LTI DATACOM (Reston, VA)
- APPTIS (Chantilly, VA)
- GTSI (Chantilly, VA)

#### Project support/training:

- Signal Solutions (Fairfax, VA)
- TAMSCO (Ft. Monmouth NJ)

#### Satellite equipment:

- Global Communications Solutions (Victor, NY)

#### Network infrastructure:

- EyakTek (Anchorage, AK)
- Segovia (Herndon, VA)

