Combat Service Support Automated Information System Interface (CAISI)

CSS Communications in Modularity

Enhances soldier safety and connects soldiers with vital supplies through wireless, satellite communications.
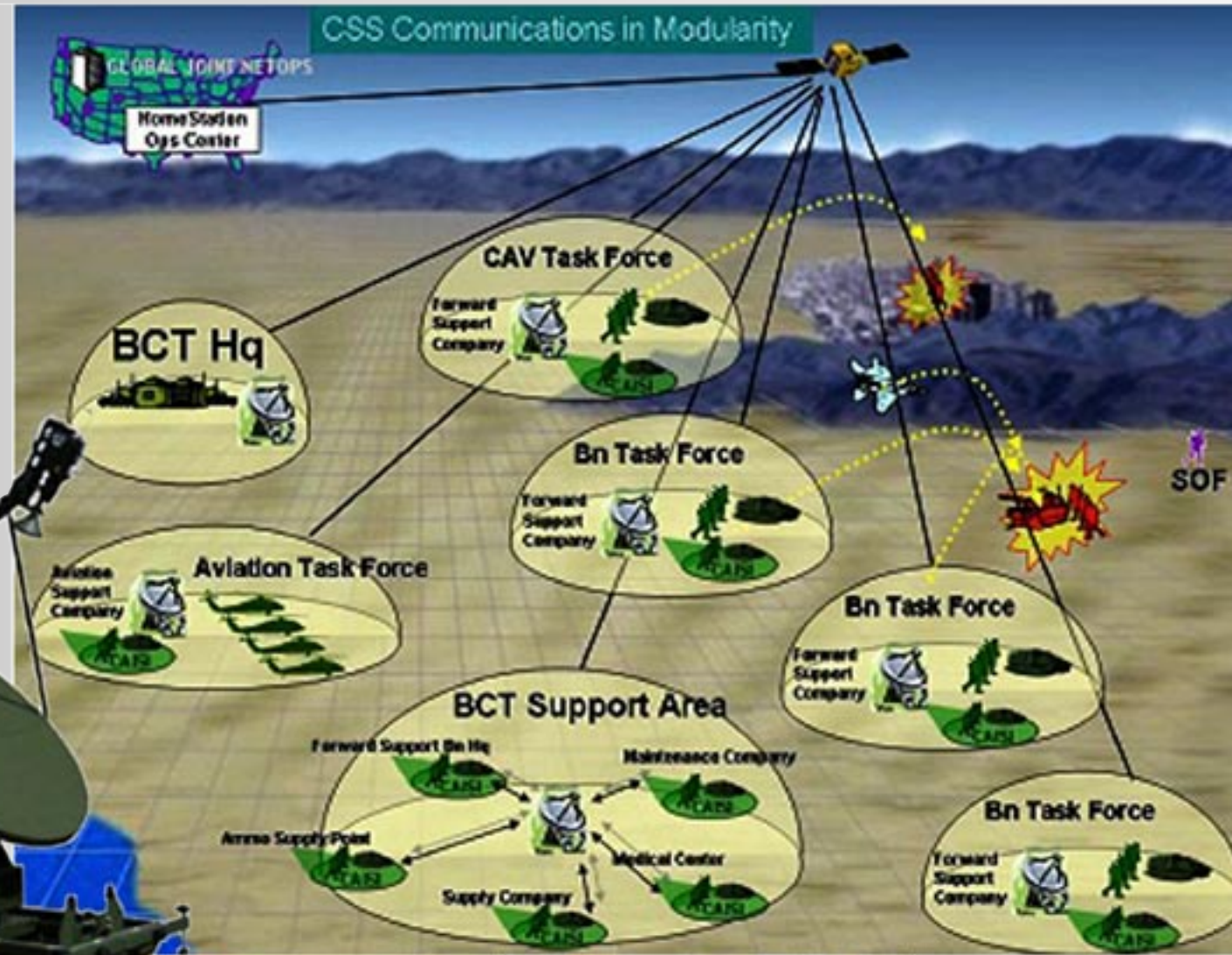
DESCRIPTION AND SPECIFICATIONS

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

CAISI is a deployable wireless LAN infrastructure that can link up to 40 tents, vans, or shelters in a deployed seven-square kilometer area. It includes FIPS 140-approved encryption (Federal Information Processing Standards security requirements) for sensitive but unclassified (SBU) 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 "sneaker net," or the often dangerous transport of re-supply or spare parts orders on floppy disks.

CSS SATCOM is totally Internet protocol (IP)-based and connected to the Army's LandWarNet and DOD GIG. CAISI and CSS SATCOM are operated by combat service support personnel.

PROGRAM STATUS

- **3Q-4QFY04** CAISI fielded to National Guard and Reserve units deploying to southwest Asia, and to Ft. Carson, CO, Ft. Hood, TX, and Stryker Brigade Combat Team 3 in Alaska
- **3Q-4QFY04** CSS SATCOM established two regional teleports to support southwest Asia, began remote satellite terminal production, and fielded to the first unit, 3rd Infantry Division
- **1QFY05** CAISI fielding to Ft. Drum, NY, Camp Lejeune, NC, and Ft. Campbell, KY
- **1QFY05** Begin research for FIPS 140-2 Level 2 system upgrades.
- **1QFY05** CSS SATCOM fielding for the 101st Airborne and 10th Mountain Divisions. All fieldings are synchronized and support Army modularity.

PROJECTED ACTIVITIES

- **3QFY05** Continue CAISI system upgrade research and field to Ft. Hood, TX.
- **3QFY05** CSS SATCOM begins to establish two additional regional teleports, implements voice over Internet protocol (VOIP) and fields to the 4th Infantry Division
- **FY06** Begin CAISI fielding to remaining Army Reserve and National Guard. Begin planning for new version. Complete initial CSS SATCOM production. Complete fielding to 4th Infantry Division will continue
- **FY08** Complete Army fielding
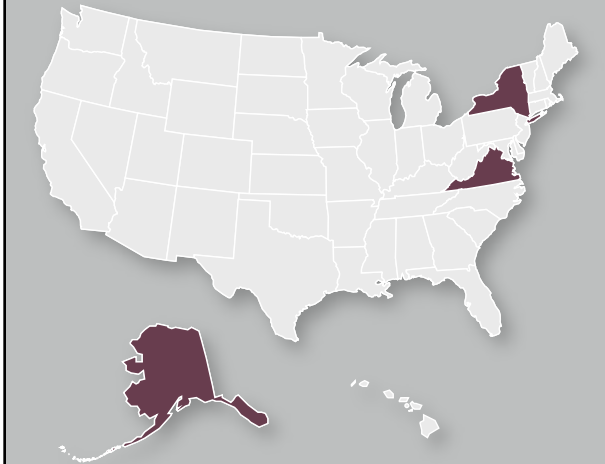
CONTRACTORS

CAISI:
IT Equipment:
Computer Giant (New York, NY)
LTI DATACOM (Reston, VA)
APPTIS (Chantilly, VA)
Project Support/ Training:
Titan Systems (San Diego, CA)

CSS SATCOM:
Satellite Hubs & Infrastructure:
Global Communications Solutions (Victor, NY)
Remote Satellite Terminal:
EyakTek (Anchorage, AK)
Fielding, Training, Program Support:
Signal Solutions (Fairfax, VA)

INVESTMENT COMPONENT
Modernization

ACQUISITION PHASE
- Production and Deployment