

Combat Service Support Communications (CSS Comms)

INVESTMENT COMPONENT

Modernization

Recapitalization

Maintenance

MISSION

Provides a worldwide commercial satellite communications network, engineering services, Integrated Logistics Support, infrastructure, and portable remote terminal units in support of Army Combat Service Support (CSS) Logistics Management Information Systems operating from garrison or while deployed.

DESCRIPTION

Combat Service Support Communications (CSS Comms) includes the Combat Service Support Automated Information Systems Interface (CAISI) and the Combat Service Support Satellite Communications (CSS SATCOM) system. CAISI allows current and emerging battlefield CSS automation devices to electronically exchange information via tactical networks. CAISI also interfaces with other battlefield and sustaining base automated systems. CAISI provides unit

commanders and logistics managers an interface device to support CSS doctrine for full spectrum operations. This capability supports a non-contiguous concentration of users and the transfer of real-time information in both fixed and mobile operating environments. CAISI allows deployed Soldiers to connect CSS automation devices to a secure wireless network and electronically exchange information via tactical or commercial communications.

CAISI employs a deployable wireless LAN infrastructure linking Standard Army Management Information System (STAMIS) computers in a seven square-kilometer area. It is certified in accordance with Federal Information Processing Standards (FIPS) 140-2 Level 2-approved encryption for use with sensitive information.

CSS SATCOM includes commercial off-the-shelf Ku-band auto-acquire satellite terminals, called Combat Service Support Very Small Aperture Terminals (CSS VSATs), repackaged in fly-away transit cases, along with a contractor-operated fixed infrastructure of four primary and three COOP teleports and high-speed

terrestrial links that provide a highly effective, easy-to-use, transportable SATCOM based solution to CSS nodes. CSS SATCOM supports information exchange up to the Sensitive Information level, is rapidly deployable anywhere in the world, and is fully integrated into the Non-secure Internet Protocol Router Network (NIPRNET) segment of the Global Information Grid (GIG). CSS SATCOM eliminates the often-dangerous need for Soldiers to hand-deliver requisitions via convoys in combat areas.

SYSTEM INTERDEPENDENCIES

Other Major Interdependencies
CAISI, CSS SATCOM

PROGRAM STATUS

- **4QFY09:** CSS SATCOM supporting 2,400 systems on 16 networks with expanded coverage to Central Africa and the Pacific Rim
- **4QFY09:** CSS SATCOM granted Authority to Operate (ATO) for two years
- **4QFY09:** Completed reset/overhaul operations of 171 CSS SATCOM systems from Operation Iraqi Freedom/ Operation Enduring Freedom

- **1QFY10–Current:** Provided 24-hour response to deploying units (48 VSATs) in support of the Haiti Operation Unified Response earthquake efforts
- **3QFY10:** Fielded 100 percent of CAISI 2.0 and CSS VSAT USAR fielding authorization, ARNG 100 percent CSS VSAT fielded
- **3QFY10:** Trained and equipped Army units with a total of 21,661 CAISI and 3,220 CSS VSATs to date
- **4QFY10:** CAISI 2.0 fieldings begin for U.S. Army Europe (USAREUR) units based in Germany

PROJECTED ACTIVITIES

- **2QFY09–2QFY11:** Continue to field CAISI and CSS VSAT systems and train units in accordance with the ARPL
- **2QFY09–2QFY11:** Achieve pure fleet CAISI 2.0 by replacing remaining CAISI 1.1
- **1QFY11:** Finalize CSS VSAT and CAISI Technical Manuals and distribute with newly fielded systems

ACQUISITION PHASE

Technology Development

Engineering & Manufacturing Development

Production & Deployment

Operations & Support

Combat Service Support Communications (CSS Comms)

FOREIGN MILITARY SALES

None

CONTRACTORS

Equipment:

Telos Corp. (Ashburn, VA)
LTI DataComm, Inc. (Reston, VA)
Juniper Networks (Herndon, VA)
L-3 Global Communications Solutions, Inc.
(Victor, NY)

Segovia Global IP Services (Herndon, VA)

Project support/training:

Systems Technologies (Systek), Inc.
(West Long Branch, NJ)
Tobyhanna Army Depot (Tobyhanna, PA)
Software Engineering Center–Belvoir
(SEC-B) (Ft. Belvoir, VA)
U.S. Army Information Systems
Engineering Command (USAISEC)
(Ft. Huachuca, AZ)
CACI (Eatontown, NJ; Arlington, VA)
DISA Satellite Transmission Services–
Global NETCOM (Ft. Huachuca, AZ)

