

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 Army Logistics Information System 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

In this Publication

Global Combat Support System-Army (GCSS-Army)

Other Major Interdependencies

CAISI, CSS SATCOM

PROGRAM STATUS

- **1QFY11:** Received Authority to Operate for CAISI
- **1QFY11:** Participated in GCSS-A test events
- **2QFY11:** Completed CSS VSAT TM and distributed to users
- **2QFY11:** Completed extended

SATCOM COOP failover testing and performance evaluation

- **2QFY11:** Initiated major software upgrade for CAISI
- **3QFY11:** Initiated Condition Based Replacement program for CSS VSAT
- **3QFY11:** Received Certificate of Networthiness for CAISI

PROJECTED ACTIVITIES

- **2QFY12-4QFY12:** Complete fielding of CAISI and CSS VSAT systems
- **2QFY12-4QFY12:** Identify replace modem for CSS VSAT terminals

ACQUISITION PHASE

Technology Development

Engineering and Manufacturing Development

Production and Deployment

Operations and 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)

