

Distributed Common Ground System–Army (DCGS-A)

INVESTMENT COMPONENT

Modernization

Recapitalization

Maintenance

MISSION

Provides timely, multi-intelligence battle management and targeting information to field commanders at all echelons, improves data access, and reduces the forward footprint.

DESCRIPTION

Distributed Common Ground System–Army (DCGS-A) provides an integrated intelligence, surveillance, and reconnaissance (ISR) ground processing system, operating in a secure, distributed and collaborative environment, enabled by net-centric environments. DCGS-A will serve as the primary Army ISR ground processing for Joint and National airborne, spaceborne, and ground sensor platforms. This system enables the commander to achieve situational understanding by leveraging multiple sources of data, information, and intelligence, and to synchronize Joint

and combined arms combat power to see first, understand first, act first, and finish decisively.

While DCGS-A consolidates and replaces nine current-force family of systems, its core functions remain receipt and processing of select ISR sensor data, control of select Army sensor systems, intelligence synchronization, ISR planning, reconnaissance and surveillance integration, fusion of sensor information, and direction and distribution of relevant threat, nonaligned, friendly, and environmental (weather and geospatial) information. The DCGS-A system improves data access, reduces the forward footprint, and increases interoperability in fixed, mobile, and embedded configurations.

DCGS-A will support three primary roles: as an analyst tool set, DCGS-A enables the user to collaborate, synchronize, and integrate organic and non-organic direct and general-support collection elements with operations; as the ISR component of the Army Battle Command, DCGS-A can

discover and use all relevant threat, noncombatant, weather, and geospatial data and evaluate technical data and information on behalf of a commander; and DCGS-A provides organizational elements the ability to control select sensor platforms/payloads and process the collected data.

SYSTEM INTERDEPENDENCIES

In this Publication

Enhanced Medium Altitude Reconnaissance and Surveillance System (EMARSS)

Other Major Interdependencies

Battle Command System (BCS)–Army, DCGS Family of Systems (services), Global Information Grid (GIG), Long Endurance Multi-intelligence Vehicle (LEMV), Network Enabled Command Capability (NECC)

PROGRAM STATUS

- **1QFY09:** Version 3.1 (v3.1) Joint certification received from JITC
- **1QFY09:** v3.1 limited user test (LUT) was completed
- **2QFY09:** Field DCGS-A v3.1 to Operation Iraqi Freedom and Operation Enduring Freedom

- **3QFY09:** Begin worldwide fielding of v3.1; v3.1 displaces All Source Analysis System–Light (ASAS-L)
- **4QFY09:** DCGS-A Mobile Basic (MB) design update review
- **4QFY09:** DCGS-A was a key system in JFCOM Lead Empire Challenge 2009, which demonstrated technology enhancements in collection and sharing of real-time ISR data
- **1QFY10:** DCGS-A v3.1 transition to post-production software support
- **4QFY10:** JFCOM Lead Empire Challenge 2010, demonstration of Joint Interoperability and Netcentric Operations

PROJECTED ACTIVITIES

- **1QFY11:** DCGS-A MB maintenance demonstration
- **1QFY11:** DCGS-A MB logistics demonstration
- **1QFY11:** DCGS-A MB FCA/PCA
- **3QFY11:** DCGS-A MB LUT
- **1QFY12:** DCGS-A MB MS C/LRIP

ACQUISITION PHASE

Technology Development

Engineering & Manufacturing Development

Production & Deployment

Operations & Support

Distributed Common Ground System—Army (DCGS-A)

FOREIGN MILITARY SALES

None

CONTRACTORS

Mobile Basic Prime Contractor for System Integration and Design:

Northrop Grumman (Linthicum, MD)

Software Engineering:

Azimuth Inc. (Morgantown, WV)

All Source Integration:

Lockheed Martin (Denver, CO)

GMTI Integration:

General Dynamics (Scottsdale, AZ)

Program Support:

CACI (Tinton Falls, NJ)

Engineering Support:

MITRE (Eatontown, NJ)

Battle Command Integration and Interoperability:

OverWatch Systems (Austin, TX)

Program Support, System Engineering & Architecture:

Booz Allen Hamilton (Eatontown, NJ)

MITRE (Eatontown, NJ)

DCGS Integrated Backbone (DIB):

Raytheon (Garland, TX)

