

Distributed Common Ground System–Army (DCGS-A)

INVESTMENT COMPONENT

Modernization

Recapitalization

Maintenance

MISSION

Provides distributed intelligence, surveillance, and reconnaissance (ISR) planning, management, control, and tasking; multi-intelligence fusion; and robust Joint, allied, and coalition forces interoperability.

DESCRIPTION

The Distributed Common Ground System–Army (DCGS-A) provides unprecedented timely, relevant, and accurate targetable data to the warfighter. DCGS-A will be fully interoperable with the Army’s Unified Mission Command System and provide access to information and intelligence to support battlefield visualization and ISR management in accordance with the Army Common Operating Environment. It provides a flattened network enabling information discovery, collaboration, production, and dissemination to

commanders and staffs in seconds and minutes versus hours and days. 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, understand and act first, and finish decisively.

DCGS-A will incrementally assume lifecycle management responsibility and consolidate/replace the operational capabilities provided by several post-Milestone C Programs of Record (PORs) and fielded quick reaction capabilities. The Army will produce and field DCGS-A capability on various hardware (HW) platforms using a consolidated DCGS-A Software Baseline (DSB). HW platforms will range from single laptops to multi-server transportable configurations to large cloud-based computing nodes able to process and store the enormous volumes of data that DCGS-A must manage. DCGS-A’s modular, open systems architecture and heavy emphasis on “design for change” allows rapid adaptation to changing circumstances. DCGS-A will support

three primary roles: DCGS-A enables the user to collaborate, synchronize, and integrate organic and non-organic direct and general-support collection elements with operations; DCGS-A can discover and use all relevant threat, noncombatant, weather, geospatial, and space 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.

DCGS-A leverages commercial products from both large and small businesses creating a level playing field for industry through an open architecture design. DCGS-A is capable of multi-intelligence processing and is built to intelligence community framework standards.

SYSTEM INTERDEPENDENCIES

In this Publication

Battle Command Sustainment Support System (BCS3), Distributed Common Ground System–Army (DCGS-A), Enhanced Medium Altitude Reconnaissance and Surveillance

System (EMARSS), Extended Range/Multiple Purpose (ER/MP) Unmanned Aircraft System (UAS), Guardrail Common Sensor (GR/CS)

Other Major Interdependencies

DCGS Family of Systems (Services), Global Information Grid (GIG)

PROGRAM STATUS

- **1QFY12:** DCGS-A DSB 1.0 Milestone C
- **2QFY12:** DCGS-A DSB 1.0 Initial Operational Test & Evaluation
- **4QFY12:** DCGS-A DSB 1.0 Full Deployment Decision

PROJECTED ACTIVITIES

- **1QFY13:** Complete DCGS-A DSB 1.1 Build
- **FY13:** Field DCGS-A DSB 1.1
- **FY13:** Complete DCGS-A DSB 1.2 Build
- **FY14:** Field DCGS-A DSB 1.2
- **FY14:** Complete DCGS-A DSB 1.3 Build
- **FY15:** Field DCGS-A DSB 1.3

ACQUISITION PHASE

Technology Development

Engineering & Manufacturing Development

Production & Deployment

Operations & Support

Distributed Common Ground System–Army (DCGS-A)

FOREIGN MILITARY SALES

None

CONTRACTORS

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)

Other Support:
NetApp (CA), Cloudera (CA), Vmware (CA), Esri (CA), Tucson Embedded Systems (AZ), L3 Comm (AZ), Dell (TX), Potomac Fusion (TX), Overwatch (TX), Ringtail Design (TX), Redhat (NC), Digital Reasoning (TN), IBM (MD), NetCentric (VA), Pixia (VA), Data Tactics (VA), HP (CA), Cogility (CA), EMC2 (VA), CSC (MD), Informatica (CA)

