

# Distributed Common Ground System-Army (DCGS-A)

## INVESTMENT COMPONENT

Modernization

Recapitalization

Maintenance

## MISSION

Provides distributed 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) is the Army's cornerstone system for Tasking of sensors, Processing of data, Exploitation of data, and Dissemination (TPED) of intelligence, geospatial, space, and weather information at all echelons. 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 (UMCS) and will provide access to data, information, and intelligence to support battlefield visualization and intelligence, surveillance, and reconnaissance (ISR) management in accordance with (IAW) the Army

Common Operating Environment. It provides a flattened network, enabling information discovery, collaboration, production, and dissemination to combat commanders and staffs along tactically useful timelines—seconds and minutes vice hours and days. DCGS-A provides unprecedented timely, relevant, and accurate targetable data to the Warfighter. 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.

DCGS-A will incrementally assume life-cycle management responsibility and consolidate/replace the operational capabilities provided by several Post MS 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 multiserver 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: 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

Battle Command Sustainment Support System (BCS3), 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), Long Endurance Multi-intelligence Vehicle (LEMV), Network Enabled Command Capability (NECC)

## PROGRAM STATUS

- **1QFY11:** DCGS-A DSB maintenance demonstration
- **1QFY11:** DCGS-A DSB logistics demonstration
- **1QFY11:** DCGS-A DSB FCA/PCA
- **3QFY11:** DCGS-A DSB DT/EUT
- **3QFY11:** JFCOM Lead Empire Challenge 2011, demonstration of Joint Interoperability and Netcentric Operations

## PROJECTED ACTIVITIES

- **1QFY12:** DCGS-A DSB 1.0 MS C
- **2QFY12:** DCGS-A DSB 1.0 IOT&E
- **4QFY12:** DCGS-A DSB 1.0 FDD
- **FY12:** DCGS-A DSB 1.1 Build Complete
- **FY13:** DCGS-A DSB 1.1 Fielding
- **FY13:** DCGS-A DSB 1.2 Build Complete
- **FY14:** DCGS-A DSB 1.2 Fielding
- **FY14:** DCGS-A DSB 1.3 Build Complete
- **FY15:** DCGS-A DSB 1.3 Fielding

## ACQUISITION PHASE

Technology Development

Engineering and Manufacturing Development

Production and Deployment

Operations and 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)

##### 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)

