

# Aerial Common Sensor (ACS)

## INVESTMENT COMPONENT

Modernization

Recapitalization

Maintenance

## MISSION

To provide global, real-time, multi-intelligence precision targeting information to joint land, maritime, and air combat commanders across the full spectrum of military operations.

## DESCRIPTION

The Aerial Common Sensor (ACS) is essential to the tactical warfighter. It fills a critical capability gap by providing actionable intelligence directly to ground commanders with the timeliness and accuracy they require. ACS is a multi-intelligence, manned, fixed-wing, Reconnaissance Surveillance and Target Acquisition (RSTA)/Intelligence, Surveillance, and Reconnaissance (ISR) system that carries multiple, highly accurate intelligence sensors, processing tools, air/ground/satellite communications, and onboard operators/analysts. Capable of worldwide deployment, ACS provides dedicated, persistent RSTA/ISR coverage over the depth and breadth of a tactical commander's battlespace. ACS is integrated in the greater Distributed Common Ground System–Army (DCGS–A). This unique

combination of attributes (multi-intelligence sensing, persistence, wide-area coverage, reach, manned-unmanned teaming, Distributed common Ground System–Array (DCGS–A) connectivity, and battle command) provides the ground tactical commander a near-real-time operational view of unprecedented clarity, enabling tactical ground forces to operate at their highest potential in future joint operations.

ACS will replace the Airborne Reconnaissance Low (ARL) and Guardrail Common Sensor (GR/CS) airborne surveillance systems and will be fielded to the Army's Aerial Exploitation Battalions (AEB).

## SYSTEM INTERDEPENDENCIES

Distributed Common Ground System–Army

## PROGRAM STATUS

- **4QFY09:** Capabilities development document (CDD) approved by the Joint Capabilities Board (JCB)

## PROJECTED ACTIVITIES

- **4QFY09:** Joint Requirements Oversight Council (JROC) consideration of the CDD
- **1QFY10:** Release of the Technology Development (TD) Request for Proposal (RFP)
- **2–4QFY10:** TD contract award
- **FY10–12:** TD phase

## ACQUISITION PHASE

Technology Development

Engineering & Manufacturing Development

Production & Deployment

Operations & Support



**Aerial Common Sensor (ACS)**

**FOREIGN MILITARY SALES**

None

**CONTRACTORS**

- Radix (Mountain View, CA)
- Institute for Defense Analysis (Alexandria, VA)
- CACI (Eatontown, NJ)
- MITRE (Eatontown, NJ)

**WIN-T**



**FBCT**



**UAS**



**DCGS-A**



**Net-Centric Interfaces**

