

Single Channel Ground and Airborne Radio System (SINGARS)

INVESTMENT COMPONENT

Modernization

Recapitalization

Maintenance

MISSION

Provides Joint commanders with a highly reliable, low-cost, secure, and easily maintained Combat NET Radio (CNR) that has both voice and data handling capability in support of tactical command and control operations.

DESCRIPTION

The Single Channel Ground and Airborne Radio System (SINGARS) Advanced SINGARS System Improvement Program (ASIP) radio is the DoD/Army multi-service fielded solution for voice communication for platoon level and above, operating over the 30.000 to 87.975MHz frequency range. This radio provides the capability of establishing two-way communications (including jam-resistance) using the SINGARS waveform and provides multimode voice and data communications supporting ground, air-to-ground, and ground-to-air line-of-sight communications links. The ASIP radio is the newer version of the SINGARS radio. It is smaller than the SIP and

weighs significantly less, while still maintaining all the functionalities of the SIP for backward compatibility.

Enhancements include the Embedded Global Positioning System (GPS) Receiver (EGR) and the radio-based combat identification/radio-based situational awareness (RBCI/RBSA) capability, which provides the warfighter with enhanced situational awareness and identification of friendly forces in targeted areas. RBCI serves as a gap filler for combat identification, providing an interrogation/responder capability to satisfy the air-to-ground positive identification of platforms prior to release of weapons to prevent fratricide. RBSA adds a radio beaconing capability for every ASIP-equipped platform to enhance the Blue Force situational awareness picture. The Internet controller enhancements add improved addressing capabilities in support of tactical Internet enhancements being provided by Joint Battle Command-Platform for Joint interoperability. Crypto modernization is a programmable communications security capability for SINGARS that

will allow the radios to continue to provide secure communications to the secret and top-secret level of security.

SYSTEM INTERDEPENDENCIES

None

PROGRAM STATUS

- **3QFY08–FY10:** Continue to field in accordance with Headquarters Department of the Army guidance to support the Army Campaign Plan; National Guard, Army Reserve, and Active Army, Operation Enduring Freedom requirements and urgent Operational Needs Statement
- **3QFY09:** Competitive contract award for procurement of SINGARS radios to meet approved acquisition objective requirement in FY09

PROJECTED ACTIVITIES

- **FY11–4QFY13:** Fielding of SINGARS to Army Overseas Contingency Operation through FY13

ACQUISITION PHASE

Technology Development

Engineering & Manufacturing Development

Production & Deployment

Operations & Support

Single Channel Ground and Airborne Radio System (SINCARS)

FOREIGN MILITARY SALES

Australia, Bahrain, Croatia, Egypt, Estonia, Finland, Georgia, Greece, Hungary, Ireland, Italy, Korea, Kuwait, Morocco, New Zealand, Portugal, Saudi Arabia, SHAPE Tech Center, Slovakia, Taiwan, Thailand, Ukraine, Uzbekistan, Zimbabwe

CONTRACTORS

Radio design/production:

ITT (Fort Wayne, IN)

Hardware Installation Kits:

UNICOR (Washington, DC)

Engineering Support and Testing:

ITT (Clifton, NJ)

Total Package Fielding:

CACI (Eatontown, NJ)

