PM Signals Warfare Contract Opportunities

Christian Keller
Deputy Project Manager Signals Warfare
732-427-1800
christian.keller@iews.monmouth.army.mil
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<td>See also ADM001406, non-print version on CD-ROM. Conference briefings from Advance Planning Briefing for Industry(APBI) held May 6-7, 2002., The original document contains color images.</td>
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Project Manager Signals Warfare
Aerial Common Sensor
Product Line

GUARDRAIL/Common Sensor (GR/CS)
Supports the Corps and EAC Command With:
- Tactical Intelligence/Signals Exploitation
- COMINT and ELINT Direction Finding and Precision Location
- Near Real Time Reporting
- Interoperable With AFS and National Sensors
- Connectivity to National Databases

Airborne Reconnaissance Low (ARL)
- Full ISR Wartime Capability
- Support OOTW, Counter Narcotic, and Emergency/Natural Disaster Operations
- FLIR, IRLS, DIS, MTI/SAR and COMINT Sensor Suites
- On-Board Operators and NRT Dissemination via LOS and SATCOM

Aerial Common Sensor (ACS) - “The Future”
- Enhanced Precision Location
- Rapidly Deployable
- Increased on Station Time
- Extended Range
- Interoperable With Joint and National Systems
- Multi-INT - SIGINT, IMINT, MASINT (With Cross Cueing)
- Broadcast Dissemination
- DCGS-A Ground Station
Aerial Common Sensor

Operational Concept - Corps/Division Support

- World-Wide Self-Deployable
- Multi-Mode Capable
  - Single or multiple aircraft
  - Direct or extended tether
  - Direct aircraft to satellite relay for Split-Base
  - DCGS/Joint Interoperable
  - TUAV Interoperable

- 35-45K ft
- 20 km IMINT Range
- 120/150/300 km SAR/MTI Range
- 350 km SIGINT Range

- Detect - Identify - Locate - Track - Report - Exploit

- IDM Direct To Comanche
- Precision SIGINT/MTI/SAR
- FCS
- IMINT

- ACS Mission
  - Enhanced Precision Geolocation
  - Responsiveness
  - Rapidly Deployable
  - Sensor Cross-Cue
  - Real Time Reporting
  - Reachback Capability

- Direct Support to Tactical User
- Broad Area Sensor Coverage
- Can Focus Sensors on HPT
- Correlated Multi-INT Picture of Fixed and Moving Targets
- Direct Dissemination
- Retaskable in Real-time by Users
- Extended Sensor Ranges
- Actionable Intel

- DCGS-A

- 971GR.55.044
# Aerial Common Sensor

## Program Schedule

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<thead>
<tr>
<th>Event/FY</th>
<th>01</th>
<th>02</th>
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**Notes:**
- Insert DCP/TST Development Technologies
- Production & Deployment

1/30/02
Aerial Common Sensor
ACS Contract Opportunities

- Objective: Develop, Produce, and Field the Army’s Objective ISR System
- Contract Type: CAD-CPAF, SDD-CPXF, PROD-FP
- Estimated Value: CAD $35M, SDD TBD, PROD TBD
- Solicitation Number: DAAB07-00-LBAA
- Technical Contact: Charles Maraldo
  732-427-5453
- Acquisition Contact: David Concilio
  732-532-5250
- Key Milestones: 4Q FY03 - SDD Award
Prophet and DTSP will Comprise the Division’s Principal Multi-Sensor Systems. They Give Division Commanders a Comprehensive Near-Real-Time Picture of the Battlespace and Provides the Ability to Detect, Identify, Locate, and Track enemy elements.
Multi-Spectrum Supremacy for the 21st Century

Division Tactical UAV SIGINT Payload (DTSP) System Characteristics
Multi-Spectrum Supremacy for the 21st Century
Division Tactical UAV SIGINT Payload (DTSP)
Acquisition Strategy & Schedule

FY01
FY02 FY03 FY04 FY05
FY06 FY07 FY08 FY09

Component Advanced Development
System Development & Demonstration
Production

MS A
Decision Review
MS B
(2QFY04)
MS C
(1QFY08)

* Competitive
* 3 Contractors selected (APSG, BAE, & Raytheon)

* 1 Contractor, Competitive, with Production Option
* IOT&E 3QFY07

SwedenMar02.ppt
Multi-Spectrum Supremacy for the 21st Century

**Division Tactical UAV SIGINT Payload (DTSP) Contract Opportunities**

- **Objective:** Develop, Produce, and Field UAV SIGINT Payload for the U.S. Army
- **Contract Type:** CAD-CPFF, SDD-CPXF, Production-FP
- **Estimated Value:**
  - CAD: $3.5M With $2M Option (Flight Test)
  - SDD: $30M
  - Production: $175M
- **Solicitation Numbers:** DAAB07-01-CL-538, 540, 541
- **Technical Contact:** Mr. Mark O’Neill
  732-532-0361
- **Acquisition Contact:** Mr. Andrew Dellomo
  732-532-3569
- **Key Milestones:** 2Q FY04 - SDD Award
Multi-Spectrum Supremacy for the 21st Century

Prophet: Five Block Acquisition Strategy

Radio Direction Finding
- MS III / Mar 01
- Production Contract / Jun 01
- Fielding completed / 1QFY05

Radio Direction Finding Upgrade & Signal Jamming
- MS B / 4QFY02
- Full & Open Competition
- DT & IOT&E / 4QFY04
- MS C / 1QFY05
- Modern Signals
- Netting
- NLOS Comms

Micro-sensors and Robotics (OBJECTIVE)
- TBD with ORD Update due JUL 02

Multi-functional Sensor Platform
- MS A / 3QFY02
- MB B / 4QFY04
- MASINT, Ground Surveillance
- Attended & Unattended
- Fully Integrated
- Improved EA & SIGINT
Multi-Spectrum Supremacy for the 21st Century

**Prophet Scheduling**

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Prophet Scheduling is a strategic planning tool that outlines the development, deployment, and production of multi-spectrum capabilities for the 21st century. The schedule is divided into five blocks (BL I, II/III, IV, V) each with specific focus areas such as electronic support, electronic attack, SIGINT & MASINT fusion, and micro-sensors & robotics. Each block is further divided into specific fiscal years (FY02 to FY09) with milestones and projects identified, such as electronic support, system development & demonstration, production, and SIGINT product improvement. The diagram also highlights the integration of modern signals and robotics in achieving multi-spectrum supremacy.
Prophet Block II/III Contract Opportunities

Multi-Spectrum Supremacy for the 21st Century

Objective: Develop, Produce, and Field the Army’s Objective Ground Based Tactical SIGINT System

Contract Type: SDD-CPIF/PROD-FP

Estimated Value:
- SDD: $20M
- Production: $165M

Solicitation Number: DAAB07-02-RL-456

Technical Contact: Mr. Dan Tartaglia
732-427-1959

Acquisition Contact: Mr. Andrew Dellomo
732-532-3569

Key Milestones: 1Q FY03 - SDD Award
Multi-Spectrum Supremacy for the 21st Century

Prophet Block IV Contract Opportunities

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<td>Key Milestones:</td>
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