



**PM Signals Warfare Contract Opportunities**

**Christian Keller**

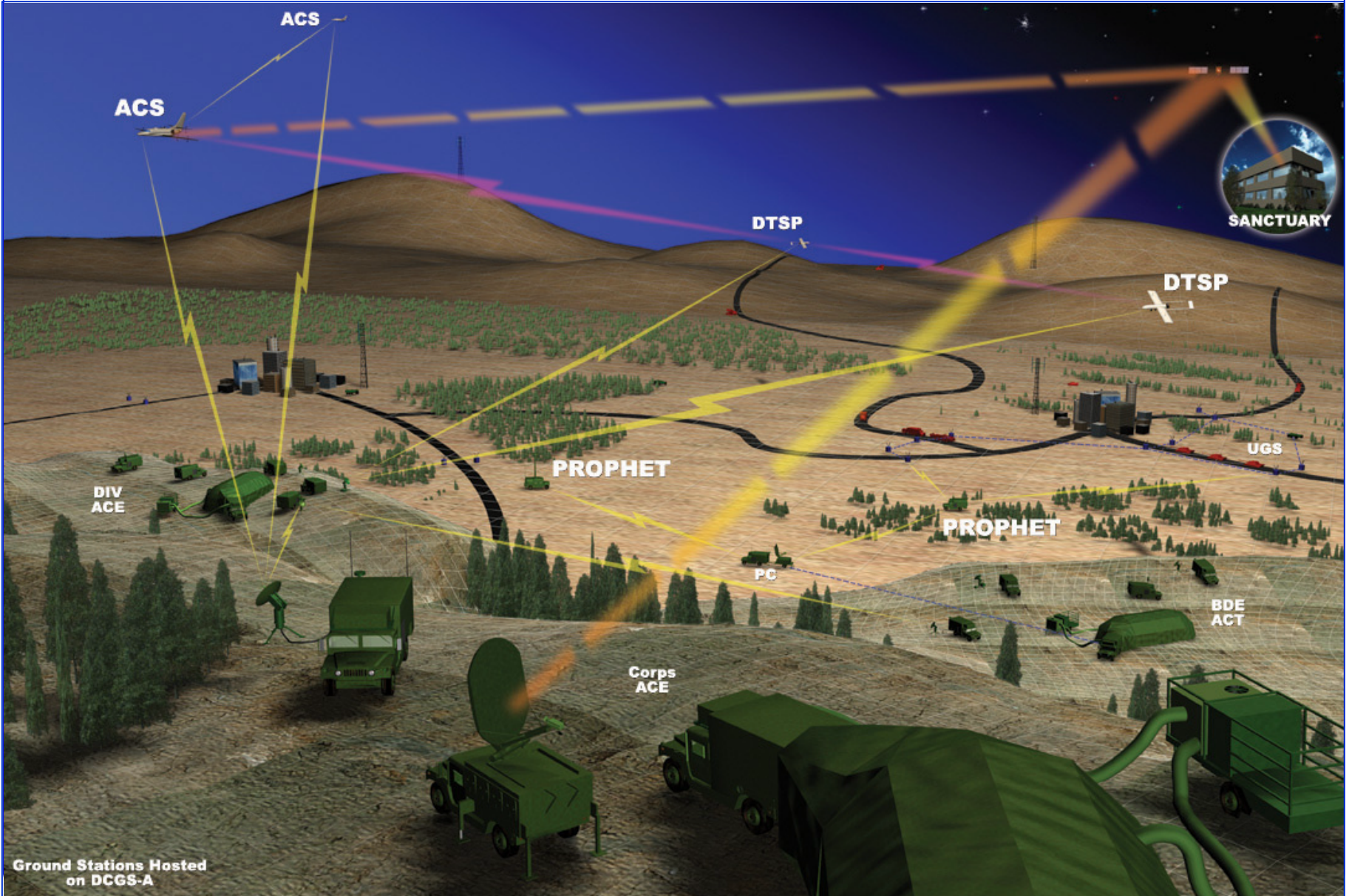
**Deputy Project Manager Signals Warfare**

**732-427-1800**

**[christian.keller@iewws.monmouth.army.mil](mailto:christian.keller@iewws.monmouth.army.mil)**

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GR/CS



### 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*

ARL



### Airborne Reconnaissance Low (ARL)

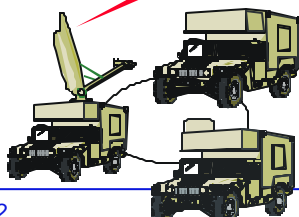
- *Full ISR Wartime Capability*
- *Support OOTW, Counter Narcotic, and Emergency/Natural Disaster Operations*
- *FLIR, IRLS, DIS, MTI/SAR and COMINT Sensor Suites*
- *On-Board Operators and NRT Dissemination via LOS and SATCOM*

ACS



### 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*

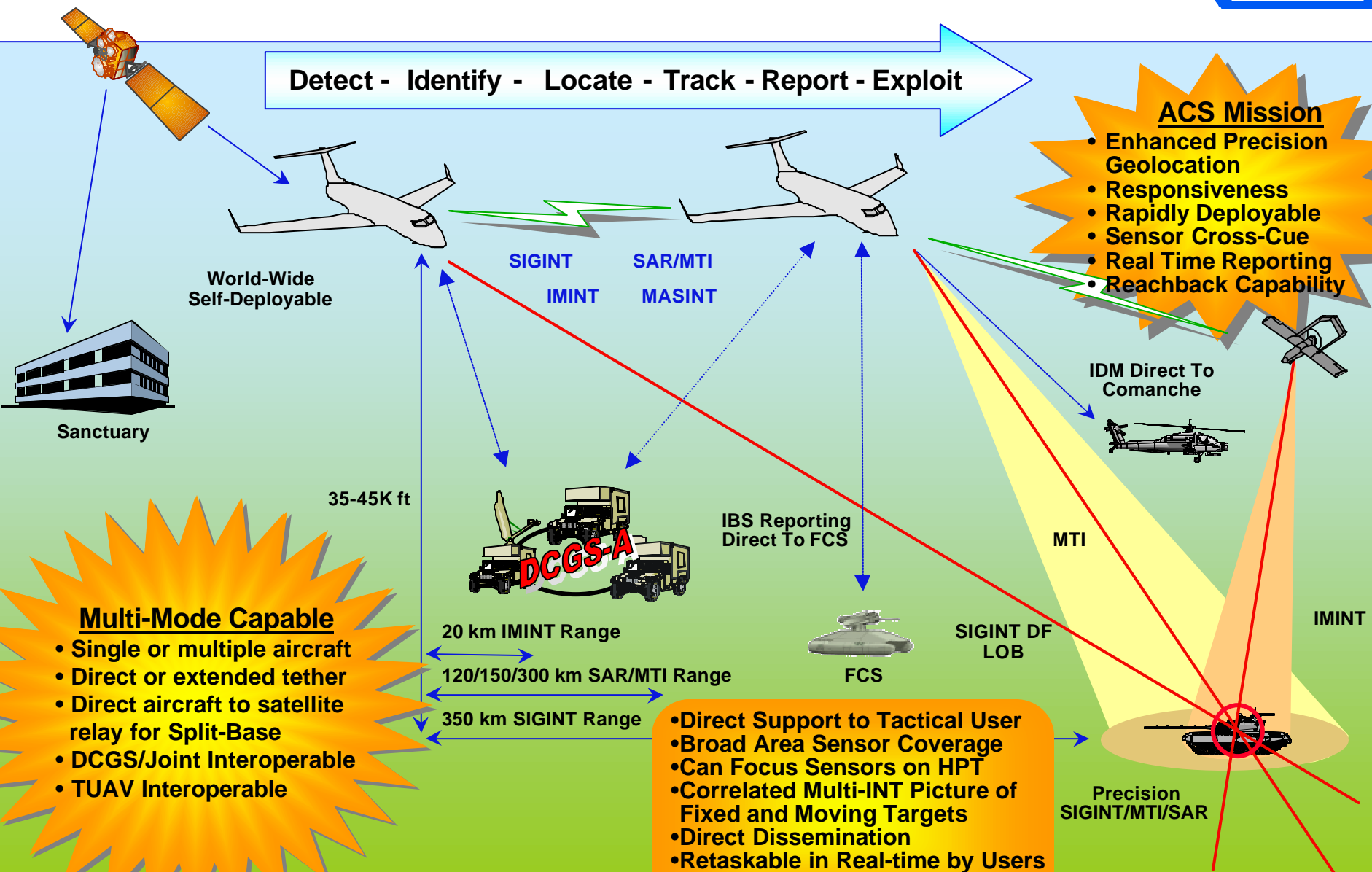


# Aerial Common Sensor



## Operational Concept - Corps/Division Support

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



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

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

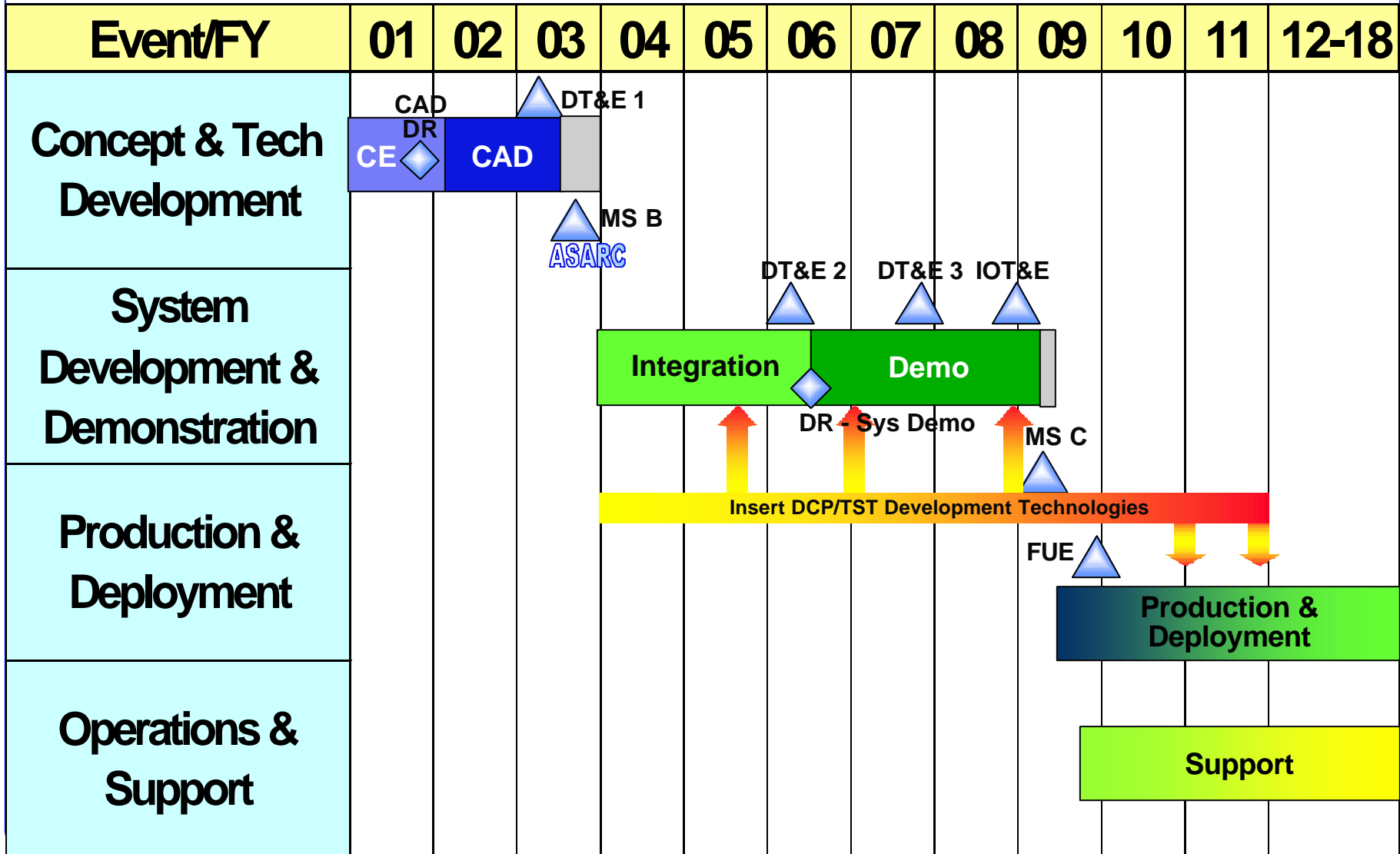
- Direct Support to Tactical User**
- Broad Area Sensor Coverage
  - Can Focus Sensors on HPT
  - Correlated Multi-INT Picture of Fixed and Moving Targets
  - Direct Dissemination
  - Retaskable in Real-time by Users
  - Extended Sensor Ranges



# Aerial Common Sensor



## Program Schedule





# 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



# PM PROPHET



**Prophet  
(Mounted)**



**TUAV SIGINT**



**Prophet  
(Dismounted)**



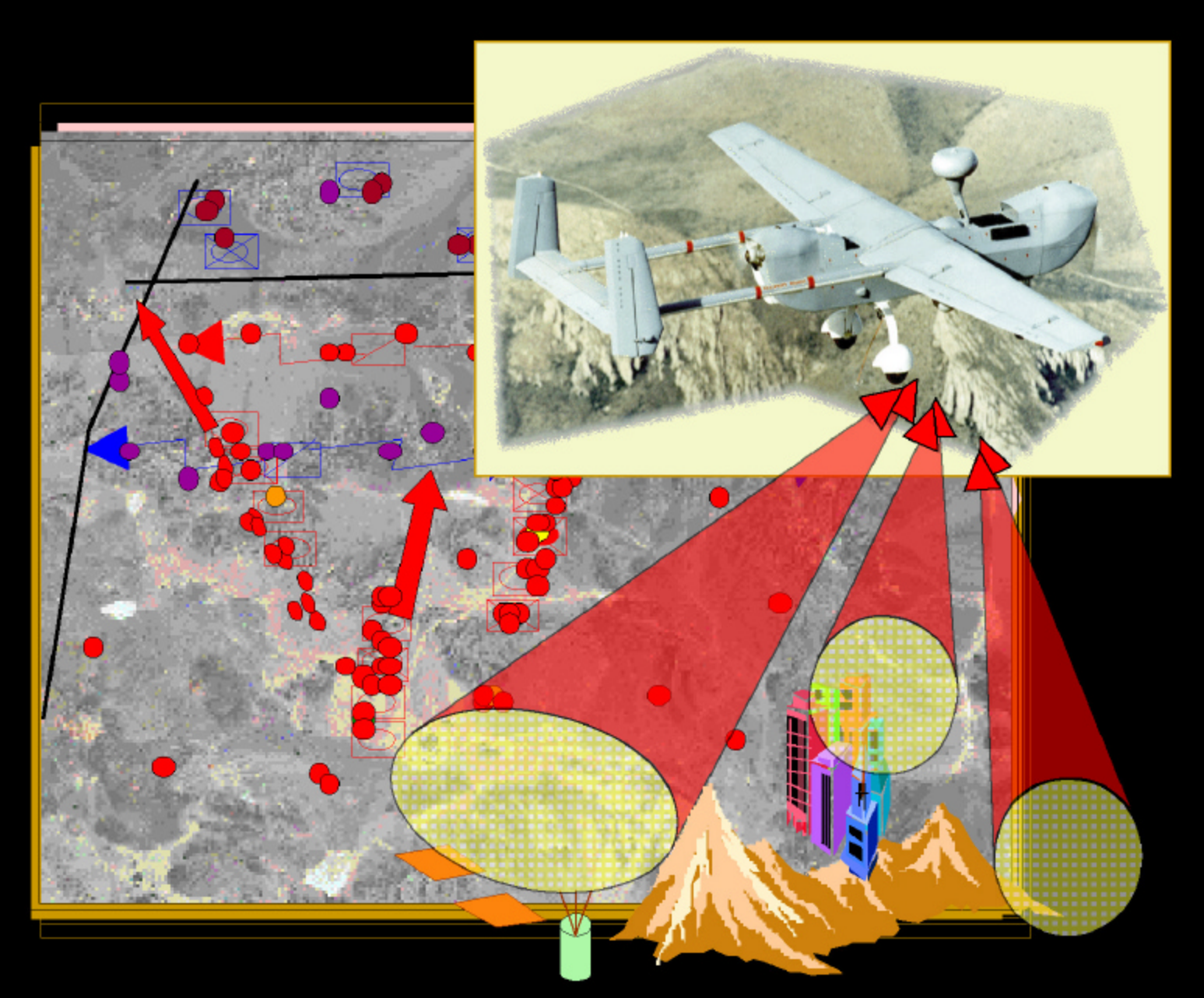
**DCGS-A SIGINT & Signatures Enclaves**

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.



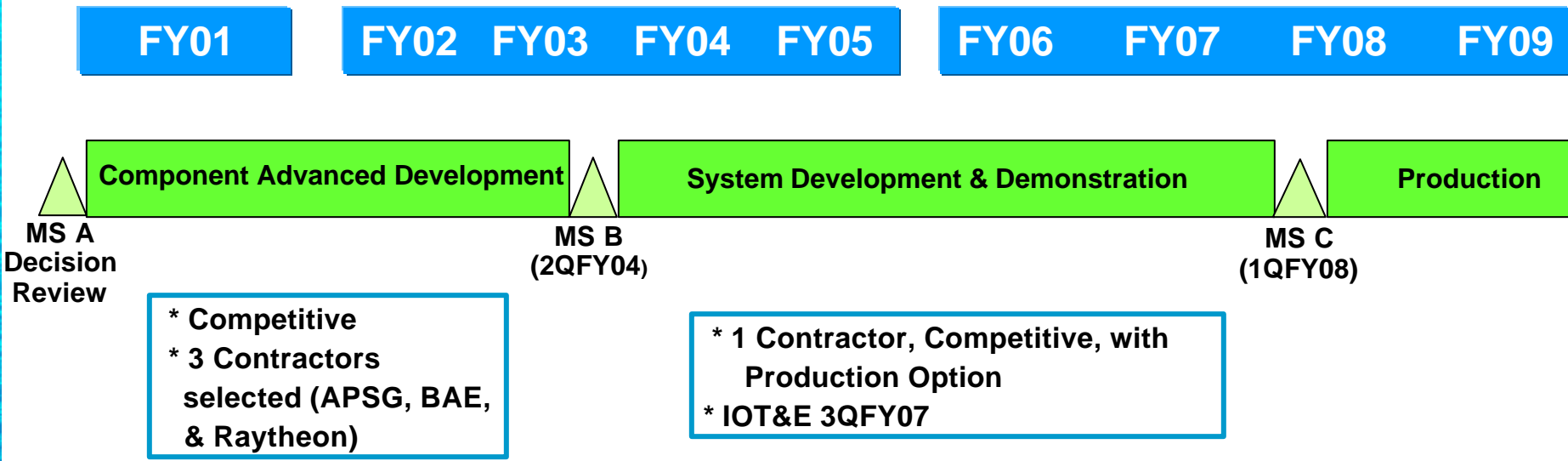


# Division Tactical UAV SIGINT Payload (DTSP) System Characteristics





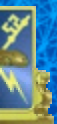
# Division Tactical UAV SIGINT Payload (DTSP) Acquisition Strategy & Schedule





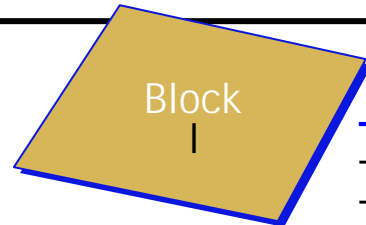
# Division Tactical UAV SIGINT Payload (DTSP) Contract Opportunities

- **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



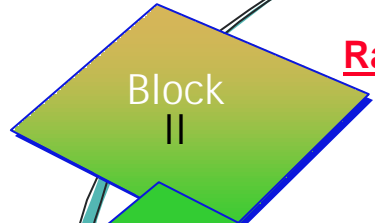


# Prophet: Five Block Acquisition Strategy



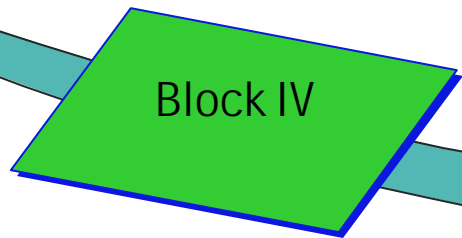
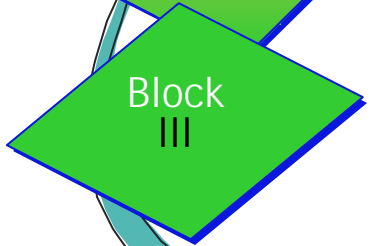
## Radio Direction Finding

- 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

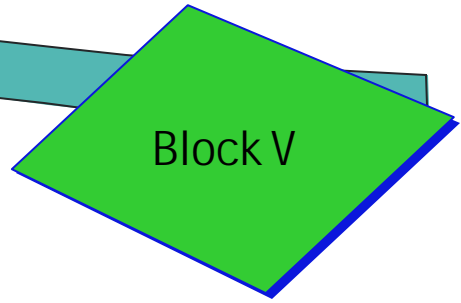


## Micro-sensors and Robotics (OBJECTIVE)

- TBD with ORD Update due JUL 02

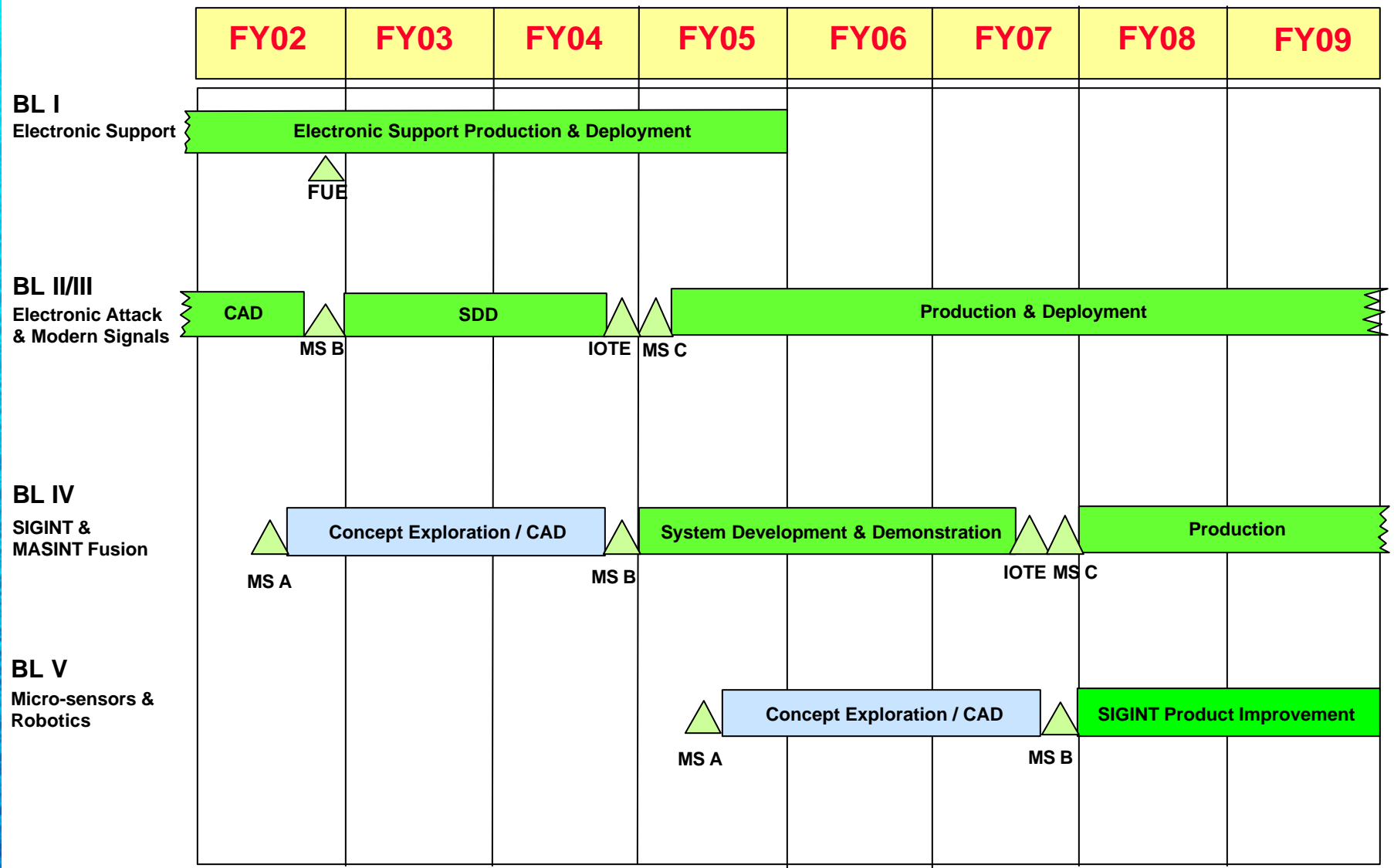
## Multi-functional Sensor Platform

- MS A / 3QFY02
- MB B / 4QFY04
- MASINT, Ground Surveillance
- Attended & Unattended
- Fully Integrated
- Improved EA & SIGINT





# Prophet Scheduling





# Prophet Block II/III Contract Opportunities

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<b>• Objective:</b>	<b>Develop, Produce, and Field the Army's Objective Ground Based Tactical SIGINT System</b>
<b>• Contract Type:</b>	<b>SDD-CPIF/PROD-FP</b>
<b>• Estimated Value:</b>	<b>SDD: \$20M Production: \$165M</b>
<b>• Solicitation Number:</b>	<b>DAAB07-02-RL-456</b>
<b>• Technical Contact:</b>	<b>Mr. Dan Tartaglia 732-427-1959</b>
<b>• Acquisition Contact:</b>	<b>Mr. Andrew Dellomo 732-532-3569</b>
<b>• Key Milestones:</b>	<b>1Q FY03 - SDD Award</b>





# Prophet Block IV Contract Opportunities

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• <b>Objective:</b>	<b>Develop, Produce, and Field a SIGINT/MASINT System for the U.S. Army</b>
• <b>Contract Type:</b>	<b>DEV-CPXF/PROD-FP</b>
• <b>Estimated Value:</b>	<b>\$24M/\$41M</b>
• <b>Solicitation Number:</b>	<b>TBD</b>
• <b>Technical Contact:</b>	<b>Mr. Jim Maziarz 732-427-1981</b>
• <b>Acquisition Contact:</b>	<b>Mr. Andrew Dellomo 732-532-3569</b>
• <b>Key Milestones:</b>	<b>1Q FY05 - SDD Award</b>





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