



May 6-7, 2002



Advan**c**e
Plann**i**ng
Briefing for
Industry

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DEPARTMENT OF THE ARMY

HEADQUARTERS, U.S. ARMY COMMUNICATIONS-ELECTRONICS COMMAND

AND FORT MONMOUTH

FORT MONMOUTH, NEW JERSEY 07703-5000

REPLY TO
ATTENTION OF



Office of the Commanding General

Ladies and Gentlemen:

On behalf of the Army Command, Control, Communications, Computers, Intelligence, Electronics Warfare and Sensors (C4IEWS) Team, it is my pleasure to welcome you to the 2002 Advance Planning Briefing for Industry (APBI). The theme of this year's conference is "Team C4IEWS and Industry ... Adopting, Adapting and Developing Technology for the Warfighter Today and Tomorrow."

The APBI Program continues to be one of our most successful ways of strengthening the government's partnership with industry and ensuring the most sophisticated, technologically superior equipment is available for our soldiers. The exchange of information at these forums is key to enabling our military to maintain and enhance America's warfighting edge.

A hard copy of the proceedings and a compact disk that contains information being presented at the APBI is being provided to you. The presentations include our Army requirements, sustainment efforts and corresponding contract opportunities available to industry within the next five years.

I thank you for your participation in the APBI and hope you pursue future business opportunities with Team C4IEWS.

Sincerely,

William H. Russ
Major General, U.S. Army
Commanding



NOTICE

**This publication contains the briefings presented during this Advance Planning Briefing for Industry (APBI). Following the APBI, you may obtain a Proceedings Book for a minimal fee by contacting the Defense Technical Information Center (DTIC). The telephone number is:
(800) 225-3842.**

We hope that the above publication proves beneficial to your long-range planning efforts. If you have any additional questions and/or suggestions, please contact Denise Ellison, email:

Denise.Ellison@mail1.monmouth.army.mil, (732) 532-8674.



DISCLAIMER

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The information provided is accurate as of the time of publication, and may be subject to change.



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Major General William H. Russ
Commanding General
U.S. Army Communications-Electronics Command
and Fort Monmouth, New Jersey



Major General William H. Russ assumed his current duties as Commanding General of the United States Army Communications- Electronics Command and Fort Monmouth, New Jersey on July 20, 2001. Previously he was the Commanding General of the United States Army Signal Command of Fort Huachuca, Arizona and the Director for Programs and Architecture, Office of the Director of Information Systems for Command, Control, Communications and Computers in Washington, D.C.

Major General Russ is a graduate of Florida A & M University with a Bachelor of Science degree in Electronics. He holds a Master of Science degree in Public Administration from Shippensburg University in Pennsylvania. His military education includes the Signal Basic and Advanced Courses, the Armed Forces Staff College and the United States Army War College.

After completion of Airborne, Ranger School and the Signal Officer Basic Course, Major General Russ served as Communications Officer for the 1st Battalion, 32nd Armor, 3rd Armored Division, United States Army Europe and Seventh Army. After serving four years in Germany, Major General Russ attended the Signal Officer Advanced Course, Fort Gordon, Georgia, and upon completion, was assigned as Assistant S-3, 67th Signal Battalion (Combat), Fort Gordon. He later served as Commander, Communications and Electronics, United States Army Joint Support Group - Joint Support Area, United States Forces, Korea; Instructor/Branch Chief, Officer Advanced Division, Officer Training Directorate, United States Army Signal Center and School, Fort Gordon; Personnel Assignments Officer, Signal Branch, Total Army Personnel Center, Alexandria, Virginia; Associate Director (Information Mission Area Steering Group), Executive Officer for the Deputy Chief of Staff for Information Management; Commander, 43rd Signal Battalion, 5th Signal Command, United States Army Europe and Seventh Army, Germany; Staff Officer, Office of the Director for Information Systems, Command, Control, Communications and Computers, United States Army, Washington, D.C.; Commander, 1st Signal Brigade, United States Forces, Korea; Executive Assistant, J-6, Joint Staff, Washington, D.C.; Secretariat, Military Communications-Electronics Board, Joint Staff, Washington, D.C.; and Deputy Director, Chief Information Office, Forces Command, Fort McPherson, Georgia.

His military awards and decorations include: Defense Superior Service Medal, Legion of Merit, Meritorious Service Medal (with four Oak Leaf Clusters), Army Commendation Medal (with Oak Leaf Cluster), Parachutist Badge and Ranger Tab.

Virtual Acquisition Planning for Industry (VAPI)

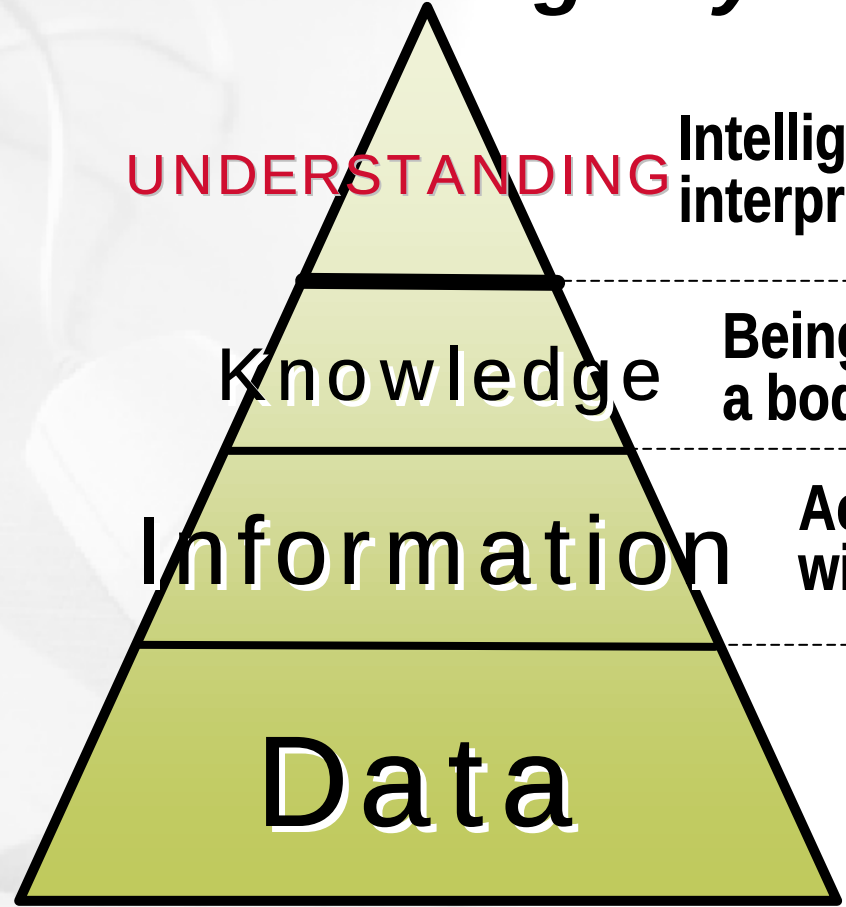
***Anna-Marie Van Brunt
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PEO IEW&S***

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The Knowledge Pyramid



Intelligently comprehending and clearly interpreting through knowledge gained.

Being cognizant and familiar with a body of data and information.

Accumulation and acquaintance with collected data.

Facts, Reality, Truth

Knowledge is Power for Industry and Most Effective that Knowledge is Immediately Accessible!

What is VAPI?

- A Powerful Knowledge Based Web Site Tool
- Functioning as a Central Repository of Official Data, Information and Knowledge.
- An Enabler for Industry to Enhance/Augment their Understanding of Gov't System Acquisition and Logistics
- A Timely Source of Tailored and Relevant Information
- Provides Accessibility to C4IEWS Future Business Opportunities

Affordability

DoD 5000

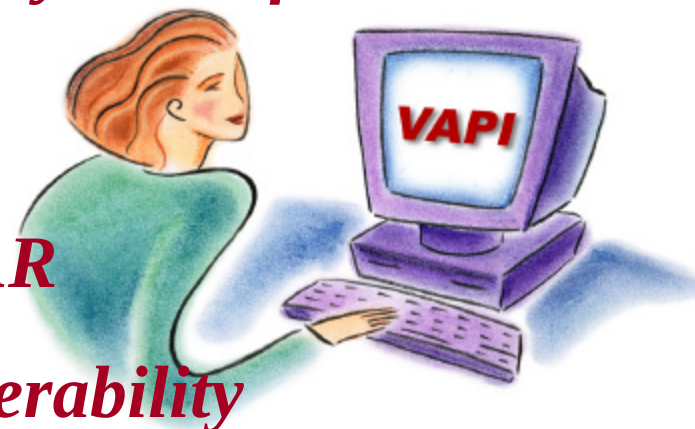
Unit Set Fielding

Army Transformation

CAIV

FAR

Interoperability



What Created the Need for VAPI?

- Continuous Systems, Acquisition & Logistics Policy & Directive Releases and Changes
- Rate of Technology Change
- Increasing Total Cost of Ownership
- Need for Awareness of Senior Leadership Focus Areas
- Feedback from Industry
- Tailored Site

VAPI is a Dynamic Tool Housing Essential Official Information Available to Industry to Enhance their Understanding of Gov't Rqmts

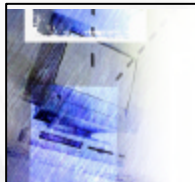
What Makes VAPI Unique?



A Central Repository



Organized to Enable Quick and Easy Access



A Source of Only “Officially Sanctioned” Information



Hot Links to Official Sites



Managed Information “Refreshment”



Periodic Query for Industry Feedback

Some Specific Characteristics of VAPI

- Home Page with Messages from VAPI's Sponsors – PEO IEWS & PEO C3T
- Broad Information Access Yet Focused to C4IEWS Systems
- Information Accessible Via
 - Functional Areas
 - Life Cycle Phases
 - Alphabetical Index
 - Search Box
- Library of Policy, Regs, Directives, Law Pertinent to Systems Acquisition
- Reference Material Access
 - Master Needs List
 - Project Book
 - Product Support Guide
 - Other Official Documents
- Access to C4IEWS Interactive Business Opportunity Page (IBOP)
- News/Events
- Public URL Site

Defense Acquisition University _____

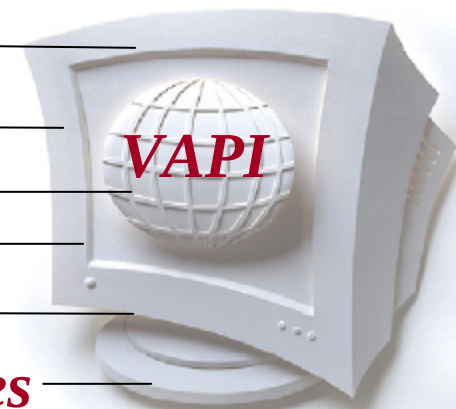
DoD Services _____

DA _____

OSD _____

Army Acquisition Website _____

Other Official Sources _____



Demo

File Edit View Favorites Tools Help

Back Forward Stop Home Search Favorites History Print Mail News RSS

Address http://vapi.org

VAPI

virtual acquisition planning for industry

Acquisition & Logistics Information

- Life Cycle Phases
- Functional Areas
- Deliverable Documents
- Library (Regulations, Policies, Memos, Guides, etc.)
- Alphabetical Index
- Training

SEARCH

Evolutionary Acquisition

A Message from the PEOs

News & Events

- APBI – VAPI Brief 6-7 May 2002
- More Events
- More Events



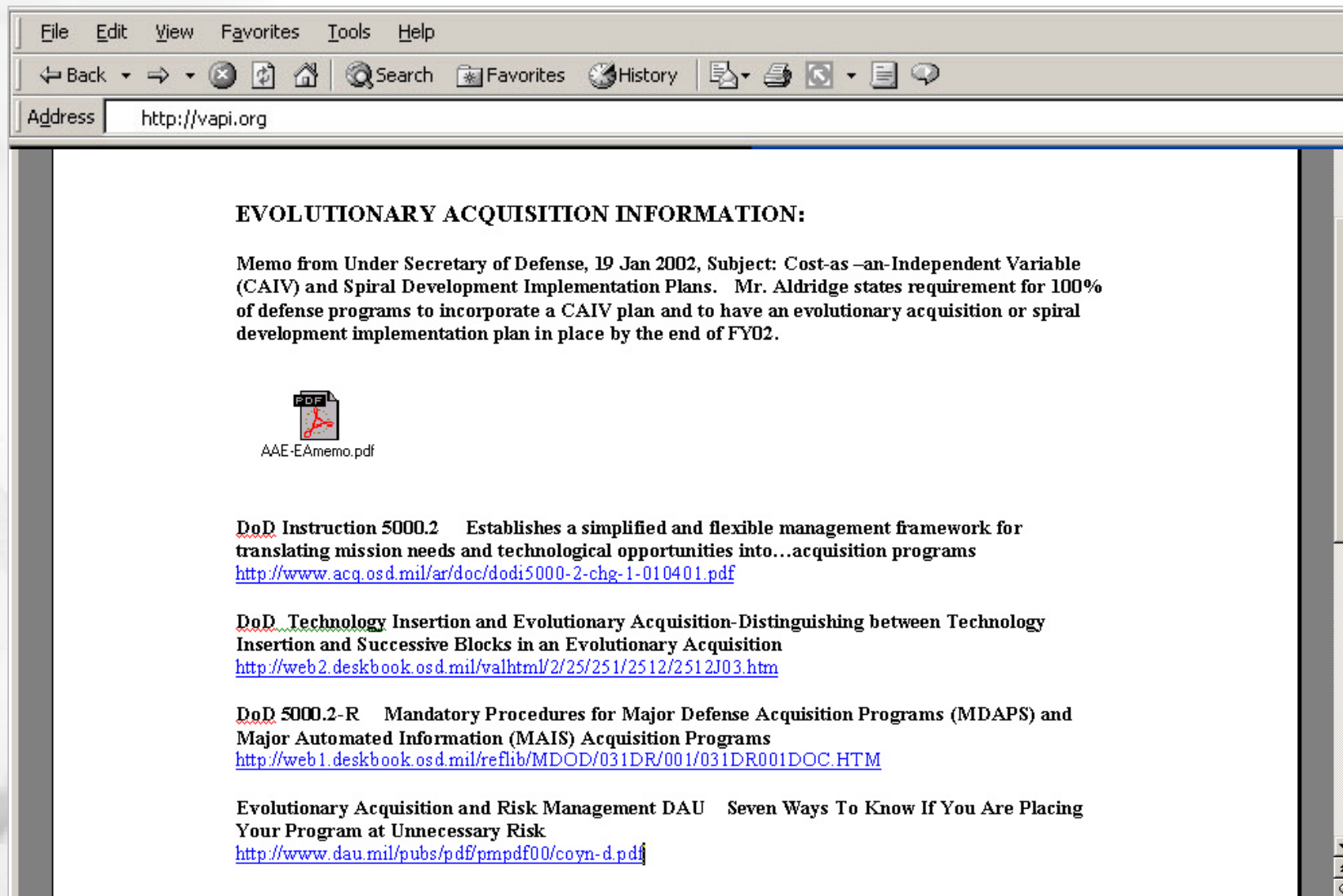
Edward T. Bair
PEO IEW&S



BG Michael Mazzucchi
PEO C3T



IEW&S C3T LOG SEC INDUSTRY





ACQUISITION,
TECHNOLOGY
AND LOGISTICS

THE UNDER SECRETARY OF DEFENSE

3010 DEFENSE PENTAGON
WASHINGTON, DC 20301-3010

19 JAN 2002

MEMORANDUM FOR SECRETARY OF THE AIR FORCE
ATTN: ACQUISITION EXECUTIVE

SUBJECT: Cost-as-an-Independent Variable (CAIV) and Spiral Development
Implementation Plans

As you know, I have established five goals for acquisition, technology and logistics to move us toward excellence. In order to guide and measure our progress toward accomplishing these goals, I have established a set of metrics, some of which I plan to report on to the Secretary of Defense.

Under my first goal, "Achieve credibility and effectiveness in the acquisition and logistics support process," I have approved a metric to require, by the end of FY02, 100% of defense programs to incorporate a cost-as-an-independent variable (CAIV) plan and to have an evolutionary acquisition or spiral development implementation plan in place. The two plans will be a discrete part of each ACAT I acquisition strategy and will be executed throughout the acquisition cycle and updated as necessary. Although I have asked for mandatory plans for evolutionary acquisition, I realize that there will be rare cases in which evolutionary acquisition is not the best acquisition strategy. In those cases, the plan should demonstrate why evolutionary acquisition is not appropriate and what alternative steps are being taken to reduce cycle time.

The Reduction in Total Ownership Cost (RTOC) working group, led by Dr. Spiros Pallas (PD, S&TS), will develop DoD templates as guidelines for the two plans by the end of March 2002. Use of these templates will be optional. They are intended as general guidelines to assist the process, but not to constrain it. Program Managers should immediately begin work on individual plans rather than wait for the optional templates. Please provide me with progress reports on March 1 and June 3, 2002, and submit the finished products to me by the end of September 2002.

We will adjust the DoD 5000 documents during the next update cycle to reflect this guidance. The DoD lead office is Strategic & Tactical Systems, with Dr. Pallas as POC. He can be reached on (703) 695-7417.


E. C. Aldridge

Benefits of VAPI

- **Reduction** of Industry Research Time
- Provides Continuously **Refreshed Source** of Official Information
- Proliferation of Current Relevant Info will **Enhance Understanding**
- **One Site** Hosting Official Info & Tailored to PEO IEWS & C3T System Acquisition Requirements
- Although Primarily Focused Site for Industry, will be Available for **Access by Gov't** as well

***Benefits of VAPI Create a “Win-Win”
for Both Industry and Gov’t***

Steps to Activation.....

Site Activation 30 July 02

Prototype Test 30 June 02

Contracted Log. Sec to Implement

PEO IEW&S & PEO C3T Partner

Concept Developed by Log. Sec

Recognized Industry Need

If You Build it and They Will Come!

Future Vision for VAPI

We Will Build Upon Our Success -

- **Expand Capabilities**
- **Links to Professional Organization**
- **On Line Industry Feedback**
- **Ft. Monmouth Public Releases**
- **“How To” Process Instructions**
- **Adoption Army Wide**



Invitation for Industry's Initial Comments

***A VAPI Survey Will be Available at the
Following Temporary Web Site:***

<http://peoiewswebinfo.monmouth.army.mil>



Tobyhanna Army Depot Mission and Capabilities Partnering with Industry

Presented by:

**Mr. Ronald Cappellini
Deputy Director
Production Engineering
TYAD**

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ronald.cappellini@tobyhanna.army.mil

CECOM Bottom Line: THE WARFIGHTER

TOBYHANNA
ARMY DEPOT EXCELLENCE
IN ELECTRONICS



Outline

- **Teaming with Industry**
- **Missions**
- **Capabilities**
 - **Engineering**
 - **Overhaul / Repair**
 - **System Integration**
 - **Force Projection**
- **Summary**



Teaming with Industry



- TYAD actively partners with industry to provide high quality, cost-effective, full service maintenance, fabrication and logistics support for advanced electronics systems.
- Partnerships and Direct Sales
 - Raytheon
 - Lockheed Martin
 - EPS
 - Titan
 - TRW
 - Areojet
 - Canadian Marconi
 - Lear Siegler
 - ARINC
 - CSC
 - Signal Corp

2474

4543

2208(j)



Teaming with Industry

- 10 US Code
 - 2474 - Center for Industrial and Technical Excellence (CITE)
 - Secretary of Army designated TYAD as the CITE for communications-electronics, radar, avionics, and missile guidance and control
 - 4543 - Direct Sales
 - 2208(j) - Subcontracting



**ENGINEERING
SERVICES**



**REPAIR/
OVERHAUL**



**SYSTEMS
INTEGRATION**



**HIGH TECH
TRAINING**



**FORCE
PROJECTION**



**FABRICATION/
MANUFACTURING**

MISSIONS



Engineering Services



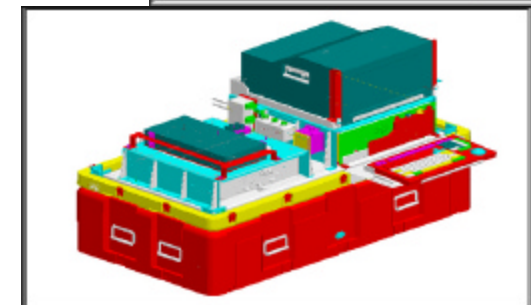
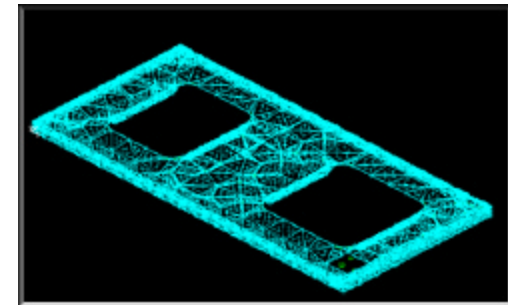
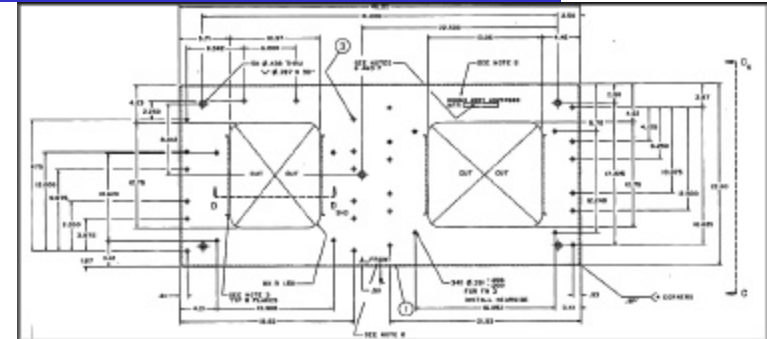
- **Maintenance engineering**
- **Testing methods development and analysis**
- **Support to PMs and industry developing new systems**
- **System design, manufacturing and integration**
- **Configuration management of technical data**
- **Technical publications (IETMs)**



Computer Aided Engineering

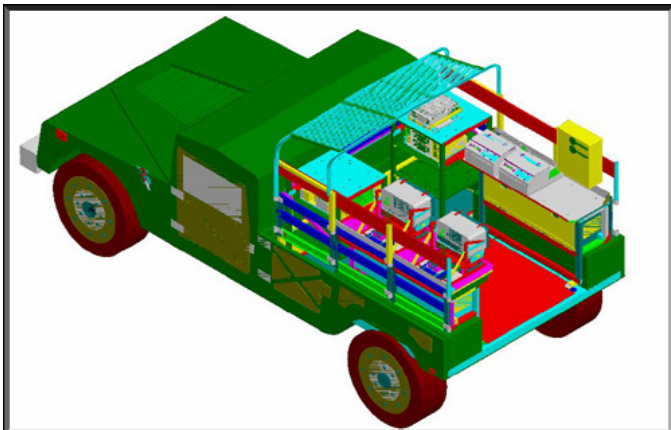


- **System software**
 - PRO-ENGINEER 2000 i2
 - CADD5 5
 - AUTOCAD 2000 i
 - COSMOS
- **3-D solid parametric modeling**
- **3-D project visualization**
- **Numerical code (NC) generation**
- **Finite element analysis**
- **Mechanical & electrical drawings**

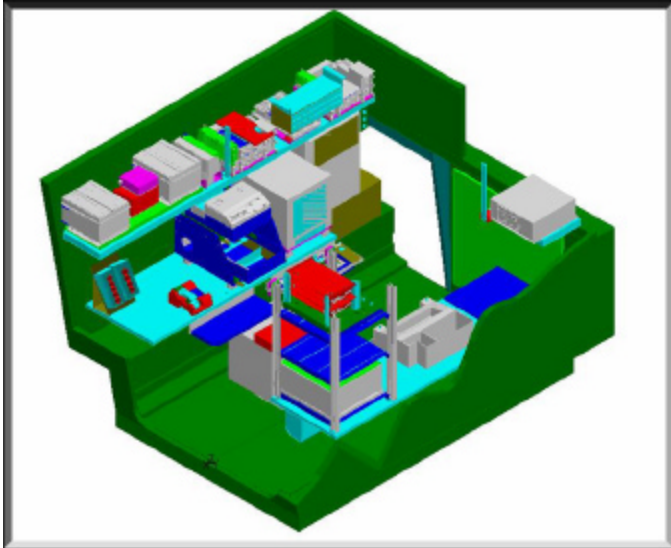




Computer Aided Engineering



Models
To
Reality





Overhaul Commodities

- Radio
- Communications
- SATCOM
- Electro-Optics Night Vision
- Missile (Guidance & Control Electronics)
 - Maverick
 - Sparrow
 - Sidewinder
- Ground Support Equipment



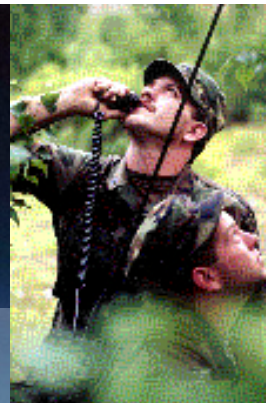
Overhaul Commodities



AN/TSC-85



AIM-7 SPARROW



SATCOM
DCSS Site



AN/TSC-93C



OE-222
Antenna



PRC-112



AGM-65
MAVERICK



SINCGARS



AIM-9 SIDEWINDER

CECOM Bottom Line: THE WARFIGHTER

TOBYHANNA
ARMY DEPOT EXCELLENCE
IN ELECTRONICS



Overhaul Commodities



- **Avionics**
- **Air Traffic Control**
- **Surveillance**
- **Command, Control and Computers**
- **Intelligence Electronic Warfare**
- **Range Threat**



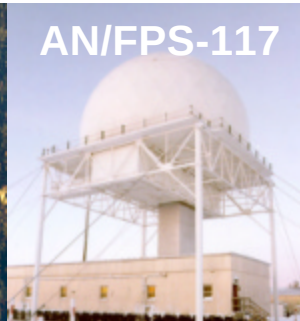
Overhaul Commodities



CGS



GUARDRAIL



AN/FPS-117



AN/ARC-220 Radio
with ICS



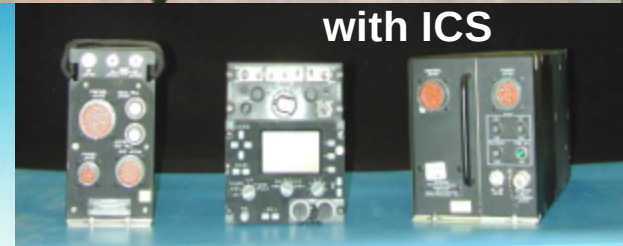
AN/TPN-19



AN/TYQ-23



AN/TPS-75



AN/GPN-22



AN/FRN-43



AN/GRN-29



AN/GRN-29



Systems Integration

- **Prototype development**
- **Modification / downsizing**
- **Production**
- **Technical Data Package development**
- **System testing**
- **Fielding support**





Systems Integration

Presses



Milling



Tactical End Item Repair Facility

Turning



Waterjet Cutting



Systems Integration Firefinder



- **Member of IPT with Raytheon and SAMD**
 - Designed, manufactured, and installed upgrade kits
 - AN/TPQ-36 - Turkey, Egypt, and Portugal
 - AN/TPQ-37 - Singapore
- **Teaming with Raytheon**
 - Designed and manufactured AN/TPQ-47 Prime Power Group - 2208(j)
 - AN/TPQ-37 upgrade kits
 - Direct sale (4543) - Greece



Systems Integration Firefinder



AN/TPQ - 37 (V)6



AN/TPQ - 36 (V)8



AN/TPQ - 47 Prime Power Group



Systems Integration: Fielding Support Balkans Digitization Initiative (BDI)



- **Collaborative Effort – TYAD with**
 - PEO, C3T; QUALCOMM; Kontron Mobile Computing; TRW
- **Enhanced Information System (EIS)**
 - Vehicle tracking via GPS
 - E-mail capability
 - Satellite based transmit / receive secure data
 - Video displayed maps / geographic locations
 - FBCB2 Situational awareness
- **Future initiative – “Blue Force Tracking”**
 - Adds Raytheon and COMTECH Mobile Datacomm



Systems Integration: Fielding Support Balkans Digitization Initiative (BDI)



- **Fielded**
 - U.S. Army Europe (USAREUR) - 654
 - Bosnia, Kosovo, Southern European Task Force SETAF)
 - Maintenance support



Systems Integration: Fielding Support Brigade Combat Team



- **Light Armored Vehicle (LAV) experiment, Ft. Lewis, WA**
 - **Canadian LAV and German Fauch**
 - **CECOM RDEC / TYAD team**
 - **Design, manufacture, integration, and test**
 - **33 total systems**
 - **All designs validated on CAE prior manufacturing**
 - **Successfully completed by Oct 00**
 - **Future opportunities - 2nd and 6th Brigades**



Systems Integration: Fielding Support Brigade Combat Team (BCT)



CECOM Bottom Line: THE WARFIGHTER

TOBYHANNA

ARMY DEPOT EXCELLENCE
IN ELECTRONICS



Force Projection



Forward Repair Activities



Force Projection

Tech Assistance Programs

Systems Fielding
Mobile Depot Maintenance
Contingency Support

FY02
10,415 Days
Worldwide

FY01
27,201 Days
Worldwide

FY00
28,970 Days
Total

Field Service Reps

Guardrail Support

224th Mi BN
15th Mi BN

3rd Mi BN
1st Mi BN

Forward Repair Activities

Conus:

Ft Bragg
Ft Hood
Colonial Heights
Ft Lewis

Oconus:

Friedrichsfeld, GE
Korea
Schofield Bks, HI
*Saudi Arabia (Tbd)

Bosnia and Kosovo (Temporary Locations)

Forward Operating Location
Okinawa USMC Support

CECOM Bottom Line: THE WARFIGHTER

TOBYHANNA

ARMY DEPOT EXCELLENCE
IN ELECTRONICS



Summary

- **TYAD offers industry**
 - **Repair and overhaul capability of all electronic equipment**
 - **Engineering functions include design, manufacturing, repair, and overhaul**
 - **Manufacturing and system integration functions**
 - **Field installation teams**
 - **Mobile Depot Maintenance**
 - **Technical Assistance**
 - **Installations**
 - **Force Projection Presence**

BOTTOM LINE . . .



the Warfighter

PEO IEW&S Overview

COL William Ehly, DPEO IEW&S

May 2002

732-532-0179

william.ehly@iews.monmouth.army.mil

Outline

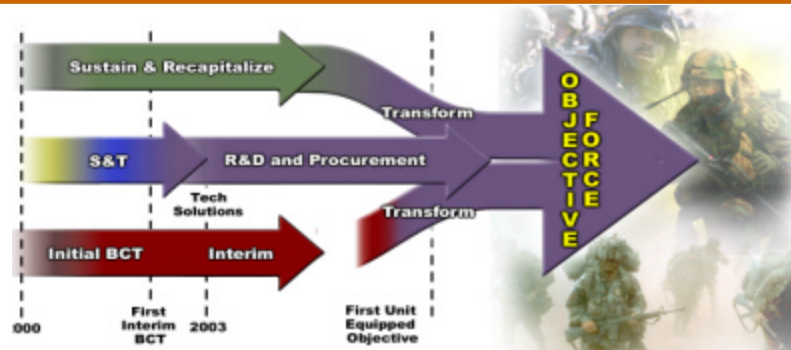
- Vision
- Organization
- Transformation
- Sensor Grid
- Technology Needs
- Programs
 - DCGS-A
 - Signals Warfare
 - NV/RSTA
- Virtual Acquisition Planning for Industry

Army Vision

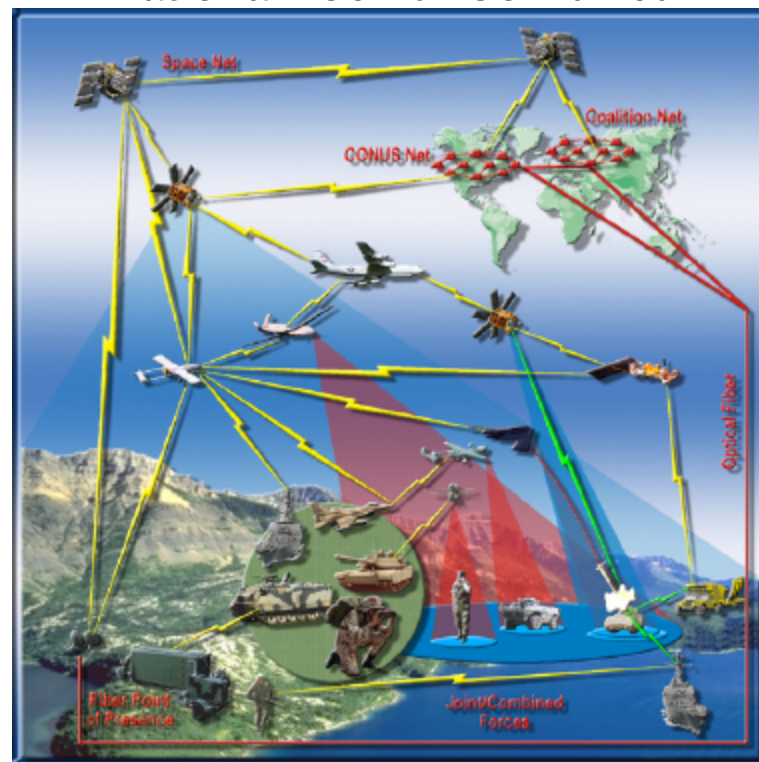


A strategically responsive force that is dominant across the full spectrum of operations....

...See First...
Understand First...
Act First...
Finish Decisively!



National - Joint - Combined





PM Signals Warfare

PM Aerial Common Sensor
PM Prophet
PM Information Warfare



PM NV/RSTA

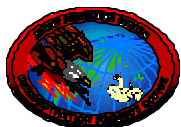
PM FLIR
PM Robotic and Unmanned
Sensors
PM Firefinder



PM DCGS-A

PM CGS & Datalinks
PM CHIMS

PM Tactical Applications



PO JPSPD



PM Aviation Systems

PM IRCM
PM RFCM



PM Navigation Systems

PM TIMS
PM GPS/DAGR



PM C&ISS

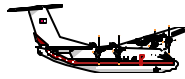
Actionable Intelligence Capabilities

Dominant Maneuver

- Airborne
- Ground-Based



GR/CS



ARL



TUAV Payloads



ACS



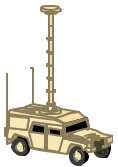
MARS



TESAR



TSP



Prophet



CGS



LRAS3



2nd Gen FLIR
f/ Bradley



DCGS-A



PLGR



DVE

Precision Engagement

- Targeting
- Sensor-to-Shooter



TUAV
Payloads



Profiler



GR/CS



CGS



Firefinder



DCGS-A



LLDR



JTT



2nd Gen FLIR
f/ Abrams

Actionable Intelligence Capabilities

Force Protection • Full Dimension



CID Panels



BCIS



2nd Gen FLIR



LVR



LRAS3

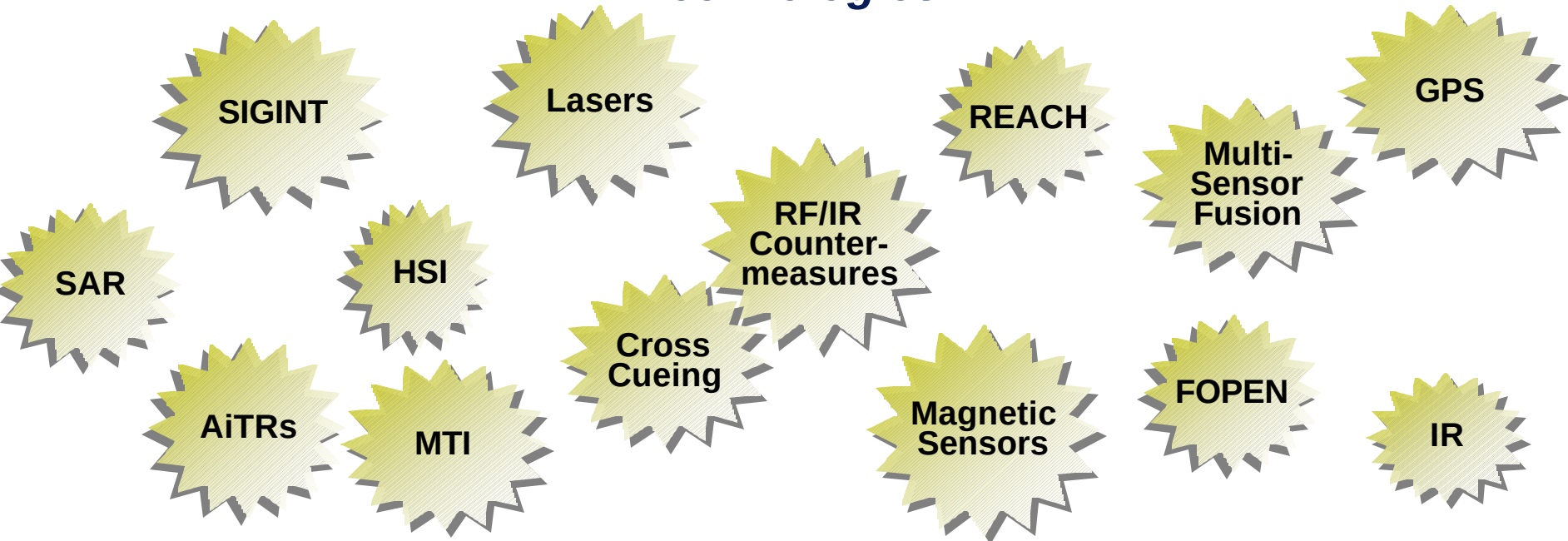


**TUAV
Payloads**



ACS

Technologies



Early Situational Understanding in Advance of the Fight

- Enhanced **Indications and Warnings** (I&W) which Enables **Operational Maneuver from Strategic Distance**
- **Superior Intelligence** to Better Manage **Transition to Combat** on our Own Terms
- **Enabling ISR Sensors** for Early Detection-Targeting is a 2nd Priority

Tactical Overmatch in Any Situation

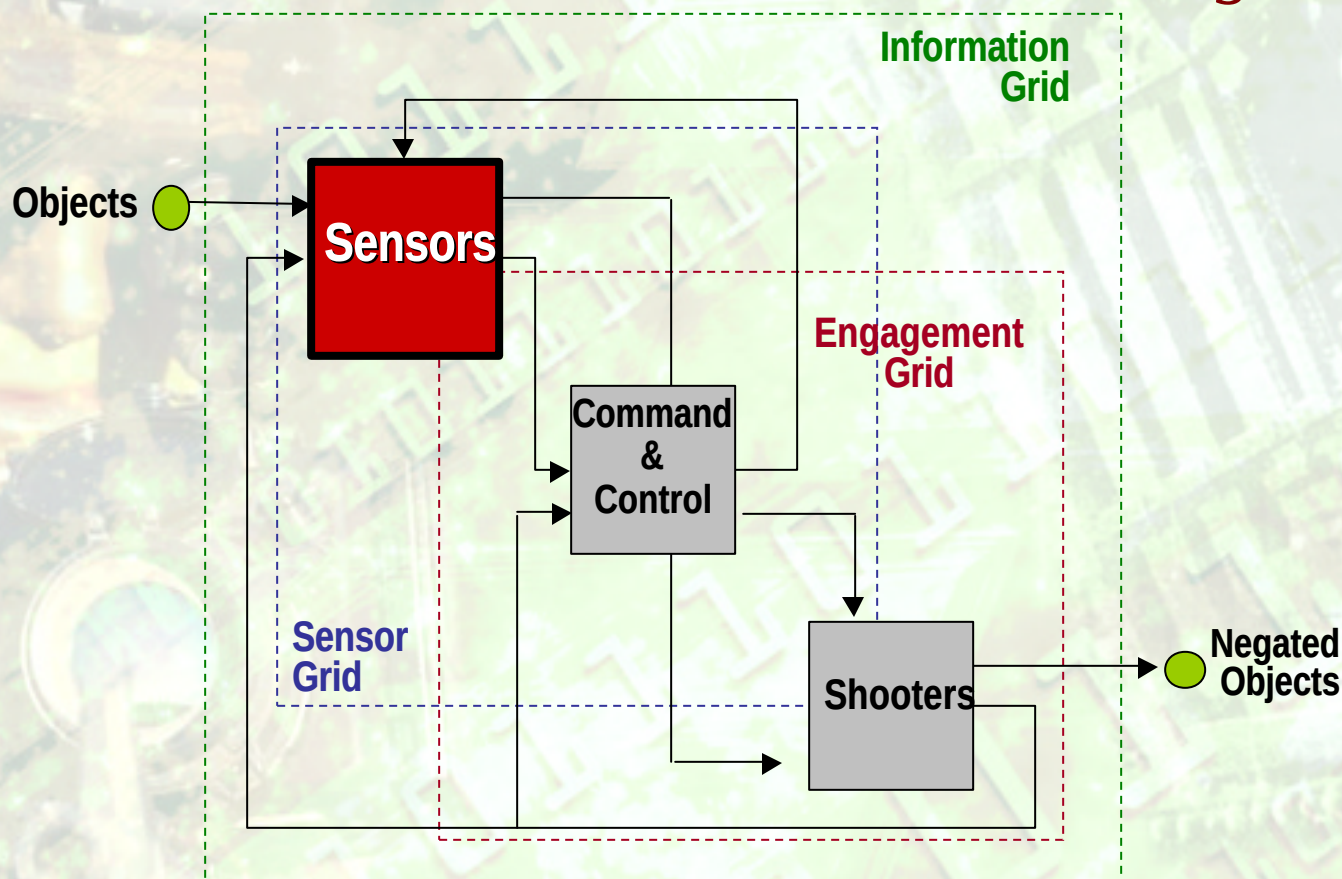
- Will Operate with a '**Red Zone**' that is Considerably **Larger** than the 3-5km Envisioned in Current Doctrine
- **Embedded RSTA Sensors** that Allow us to **See Further**, and Provide Ability to Engage with **Long-Range Fires**
- **Full Spectrum Dominance** in Both **Urban** and **Open** Environments

High Tempo – Continuous, Simultaneous Engagements

- **Simultaneous Engagement** and **Distributed Operations**
- **Will Control More Space** with Less Manpower and **Reduced Foot Print**
- **Integrated, Layered Sensors** enables **Adaptive Dominance**

Army Transformation – Where We Are Going...

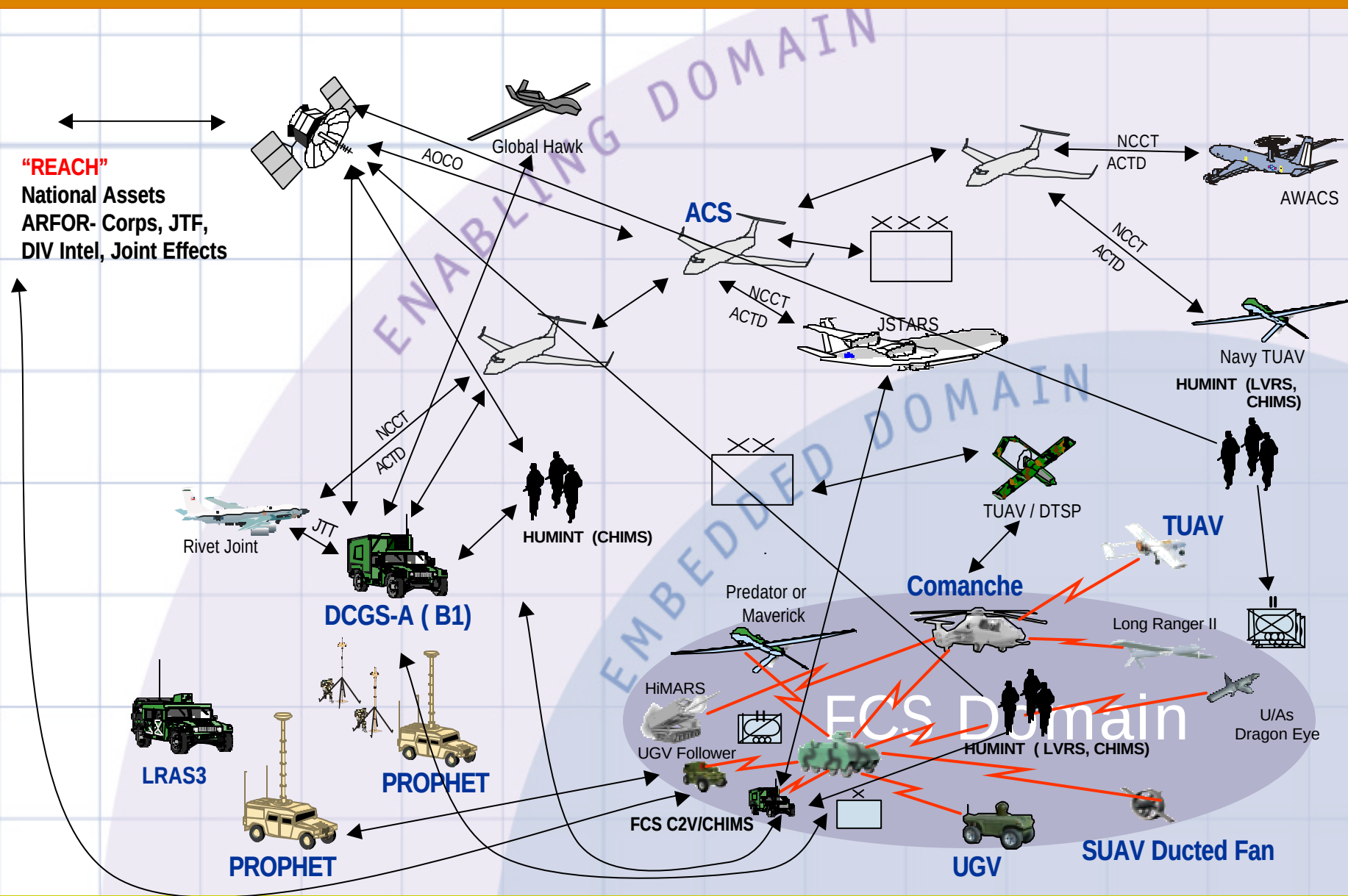
Netted Sensors Provide Actionable Intelligence



“In the fundamental shift to network-centric operations, **sensor networks** emerge as **key enabler** of increased **combat power**.”

- Network Centric Warfare, 2nd Edition, Alberts, Garthski, Stein

Sensor Grid



Technology Needs for the Objective Force

IMINT

- Uncooled focal plane arrays
- 3rd Gen FLIR (higher resolution, longer ranges)
- Aided target recognition
- Data fusion and correlation

MASINT

- Less complex man-machine interface
- Cross cueing to more mature sensors
- Millimeter Wave Imaging (through the wall)
- Magnetic sensing

SIGINT

- Efficient Low Band arrays
- Detecting Low Band Emitters
- Sharing COMINT resources
- Embedded precision geo-location (Multi-Ship operations)
- Beam forming interference cancellation (discriminating military targets in high density non-military environments)

Technology Needs for the Objective Force

Masked Target Sensors

- **Locating CC&D targets**
- **Locating Buried Mines**

National Tactical Integration

- **Cooperative operations from manned and unmanned IMINT and MASINT platforms**
- **Airborne Overhead Cooperative Operations (AOCO)**
- **Network Centric Cooperative Targeting (NCCT)**

Program Objective:

An integration of existing and future ISR ground stations to produce a common modular, scalable, and Multi-INT joint interoperable architecture and capability.

Key Features:

- **Improve Warfighter Situational Awareness/Understanding**
- Improved Intel Dissemination at all Echelons
- Reduced Intel Forward Footprint
- Network Centric System of Systems Approach
- Interoperability and Data Sharing
- Multi-INT TPED
- Interim DCGS-A Based on Legacy Systems
- AoA to Determine Objective DCGS-A Approach

Key Players:

PEO IEW&S	MDA
USAICS	DCGS-A Requirements
ASPO	TES Legacy System
PM SW	GRIFN Legacy System
PM DCGS-A	CGS Legacy System CHIMS Legacy System
PM I&E	ASAS Legacy System

Program Major Milestones:

<u>DATE</u>	<u>EVENT</u>
2QFY 02	Modify Legacy System Contracts
1QFY 03	Enable INSCOM (513th MI Bde w/DCGS-A)
2QFY 03	Objective DCGS-A ORD Approval
3QFY 03	Objective DCGS-A MS B
4QFY 03	Interim DCGS-A at XVIII ABC
FY 04	Interim DCGS-A to III Corps
FY 06	Objective DCGS-A MS C
FY 09	Objective DCGS-A IOC

Key Considerations: FCS Synchronization
Sensor Synchronization
Unit Set Fielding

Contract Opportunity

Objective: Provide Integrated Multi-INT Common Ground Station for the Objective Force

Contract Type: Competitive

Estimated Value: TBD

Key Milestones: 3QFY03 MS B; 4QFY03 Contract Award

Technical Contact:

Acquisition Contact: TBD

Solicitation # or RFQ #: TBD

“The whole of military activity . . . the end for which a soldier is recruited, clothed, armed, and trained . . . is simply that he should fight at the right place and at the right time.”

Clausewitz

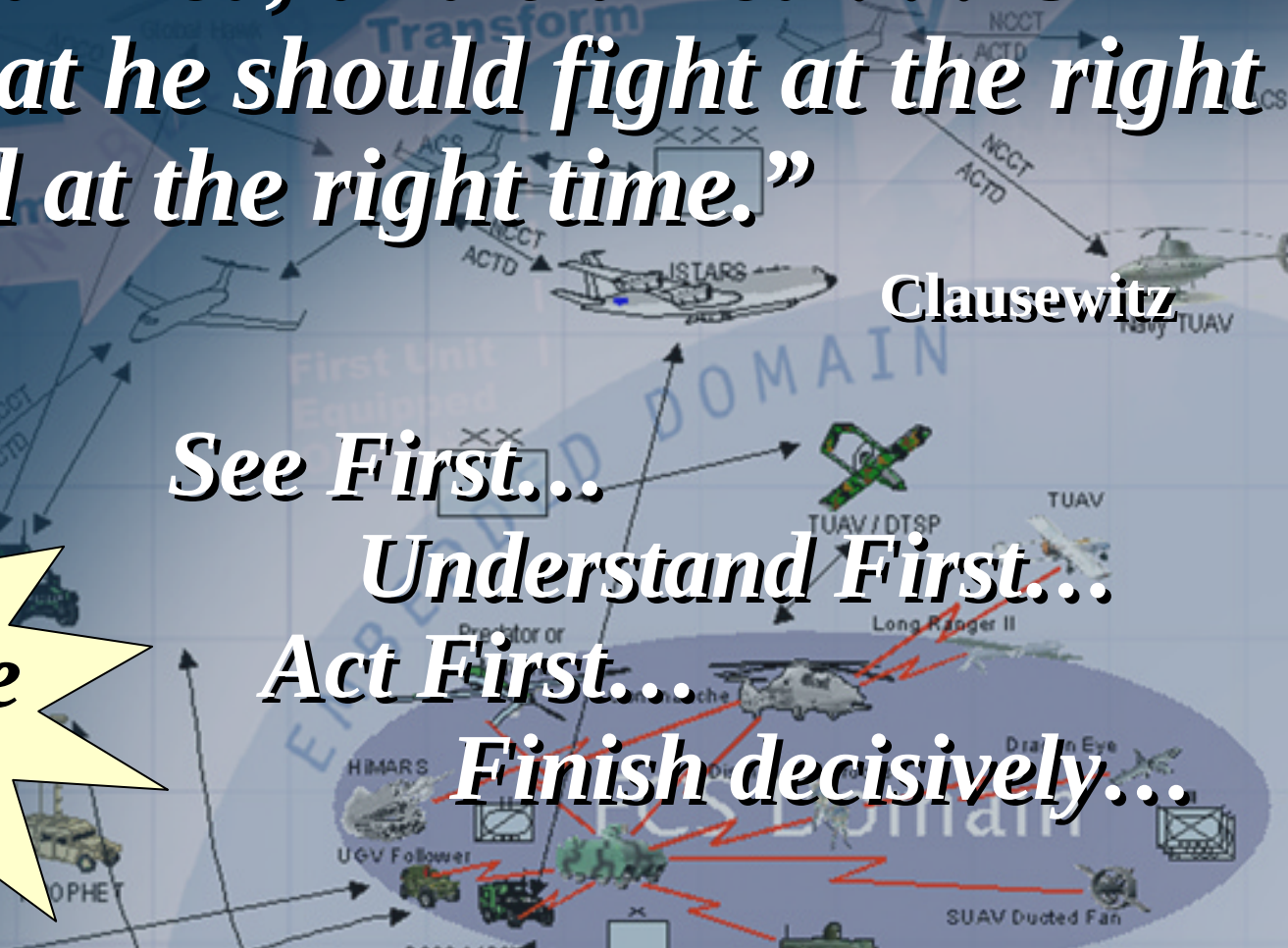
***Must Have
ISR!***

See First...

Understand First...

Act First...

Finish decisively...





BIOGRAPHY

MR. EDWARD G. ELGART
DIRECTOR
CECOM Acquisition Center
US Army Communications-Electronics Command
Fort Monmouth, New Jersey

Edward G. Elgart is the Director of the CECOM Acquisition Center, U.S. Army Communications-Electronics Command (CECOM), Fort Monmouth, New Jersey, Fort Huachuca, Arizona, and Alexandria, Virginia. He also serves as the Principal Assistant Responsible for Contracting for that activity, Tobyhanna Army Depot, Army Signal Command, 5th Signal Command and TAO. He is responsible for the acquisition and support of Army and joint command, control, communications, computers, intelligence, electronic warfare, sensors and information management systems, estimated in excess of \$5 billion annually. Twice during his tenure, Mr. Elgart has served as the Acting Deputy Assistant Secretary of the Army for Procurement from August 2000-January 2002 and May 1997-May 1998. In that capacity, he was responsible for oversight and policy for all Army procurements, acquisition excellence and reform, and advocacy for the industrial base, as well as the proponent for the Army contracting career field. He also acted as the Army's Competition Advocate General during that time.

From 1985-1989, Mr. Elgart served in a variety of management positions with the Defense Logistics Agency, first at DCASPRO Teledyne CAE, then at DCASMA Detroit, and culminating as the Director of Contract Management for the Defense Contract Administration Services Region Chicago. In that position, he was responsible for the administration of 18,000 defense contracts valued in excess of \$19 billion.

Mr. Elgart began his career in government service in 1976 as a Contract Specialist intern, procuring tactical radio equipment for the Army Electronics Command. In 1981, as the Chief, Readiness Policy Branch, he led a task force to reduce procurement administrative lead-time within the command. During his tenure as a Contracting Officer from 1983-1985, he was responsible for the negotiation and award of the \$4.3 billion contract for the Mobile Subscriber Equipment battlefield communications system.

Mr. Elgart entered the Senior Executive Service in June 1989, and is a 1996 recipient of the Presidential Meritorious



Executive Rank Award. He is a Fellow of the National Contract Management Association and a previous Fort Monmouth Chapter President and Executive Director. His awards and decorations include two Meritorious Civilian Service awards, the Honorable Order of Saint Barbara, and the Army Staff Identification Badge. He was the first recipient of the Acquisition Career Management Advocate of the Year award and was presented with the Secretary of the Army Professionalism in Contracting Award (Civilian) in 2000.

Mr. Elgart holds membership in numerous professional associations and is a member of the Army Acquisition Corps and the American Mensa Society. He has published numerous articles on the field of Government contracting and has taught graduate courses in that field at Fairleigh Dickinson University.

Mr. Elgart is a graduate of the Federal Executive Institute and the Command and General Staff Officer Course. He is also a graduate of the Brookings Institute-University of North Carolina Leadership 2000 program and the Center for Creative Leadership. He has a Bachelor's Degree in Biology from Kean University and a Master's Degree in Business Administration from Fairleigh Dickinson University.

He is married to the former Mary Ellen Reed of Deal, New Jersey. They have two children; Lindsay and Stephen.



Edward G. Elgart

Director, CECOM Acquisition Center

(732) 532-5601

Edward.Elgart@Mail1.monmouth.army.mil

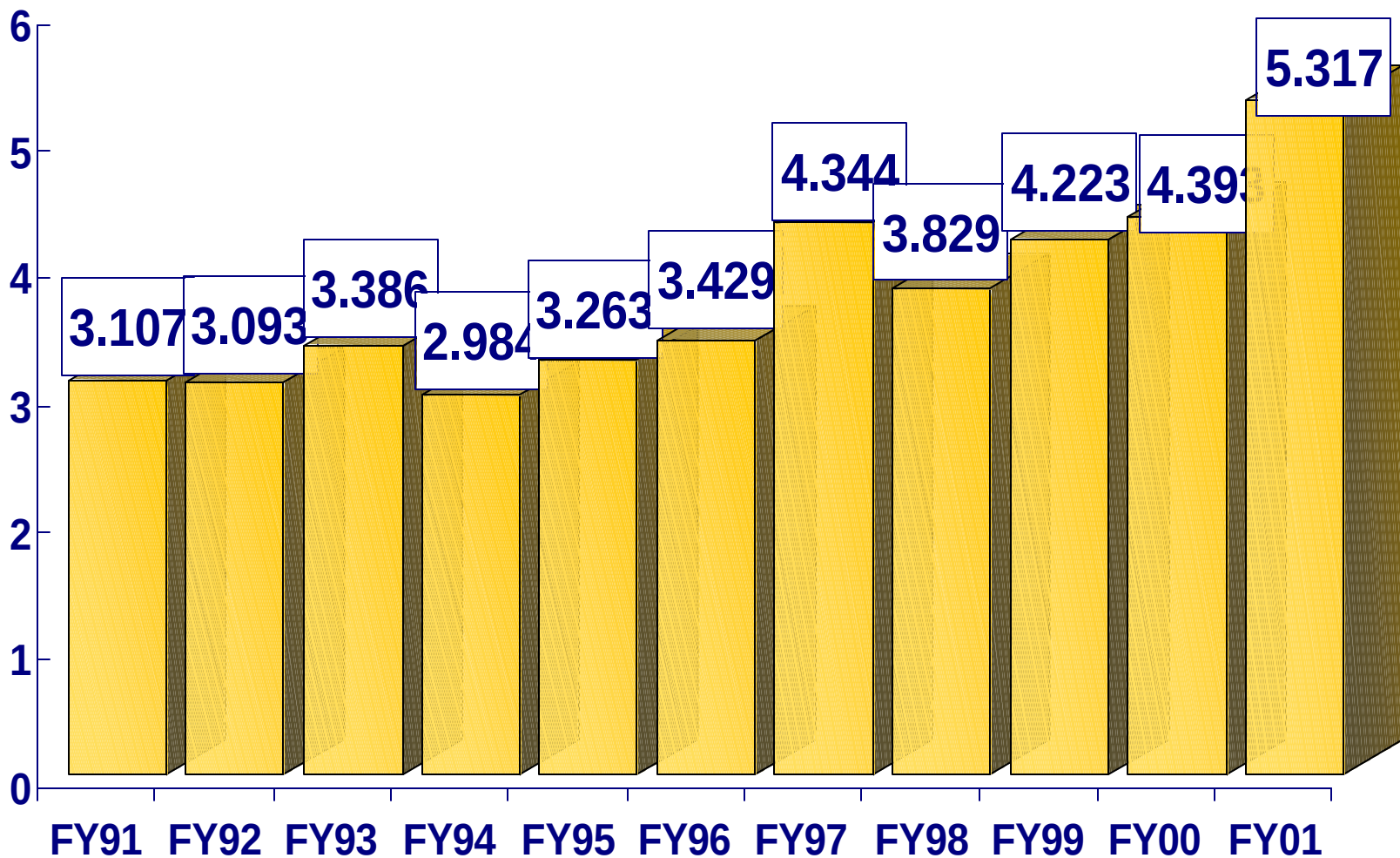


CECOM
Rapid Response





Total Obligations (Billions)



CECOM Bottom Line: THE WARFIGHTER



AMC Obligations Over \$25,000

FY01	#1 IN AMC	#3 IN AMC
COMMAND	NO. OF ACTIONS	TOTAL DOLLARS (MIL)
CECOM	7,841	5,317.0
AMCOM	6,217	7,362.0
TACOM	5,532	5,392.0
RMAC	3,918	1,303.9
OSC	1,701	1,886.0
OTHER AMC	773	108.1
TOTAL AMC	25,985	21,169.9

CECOM Bottom Line: THE WARFIGHTER



Top 10 Large Businesses

■ GENERAL DYNAMICS	798,386,385
■ RAYTHEON COMPANY	459,719,212
■ THE MITRE CORPORATION	226,904,266
■ TRW INC.	184,104,115
■ COMPUTER SCIENCES CORP.	182,911,824
■ ARINC INC.	175,860,851
■ ITT AEROSPACE/COMM	131,124,853
■ LOCKHEED MARTIN CORP.	106,194,917
■ SAIC INFORMATION SERVICES	102,608,787
■ HARRIS CORP.	97,515,942

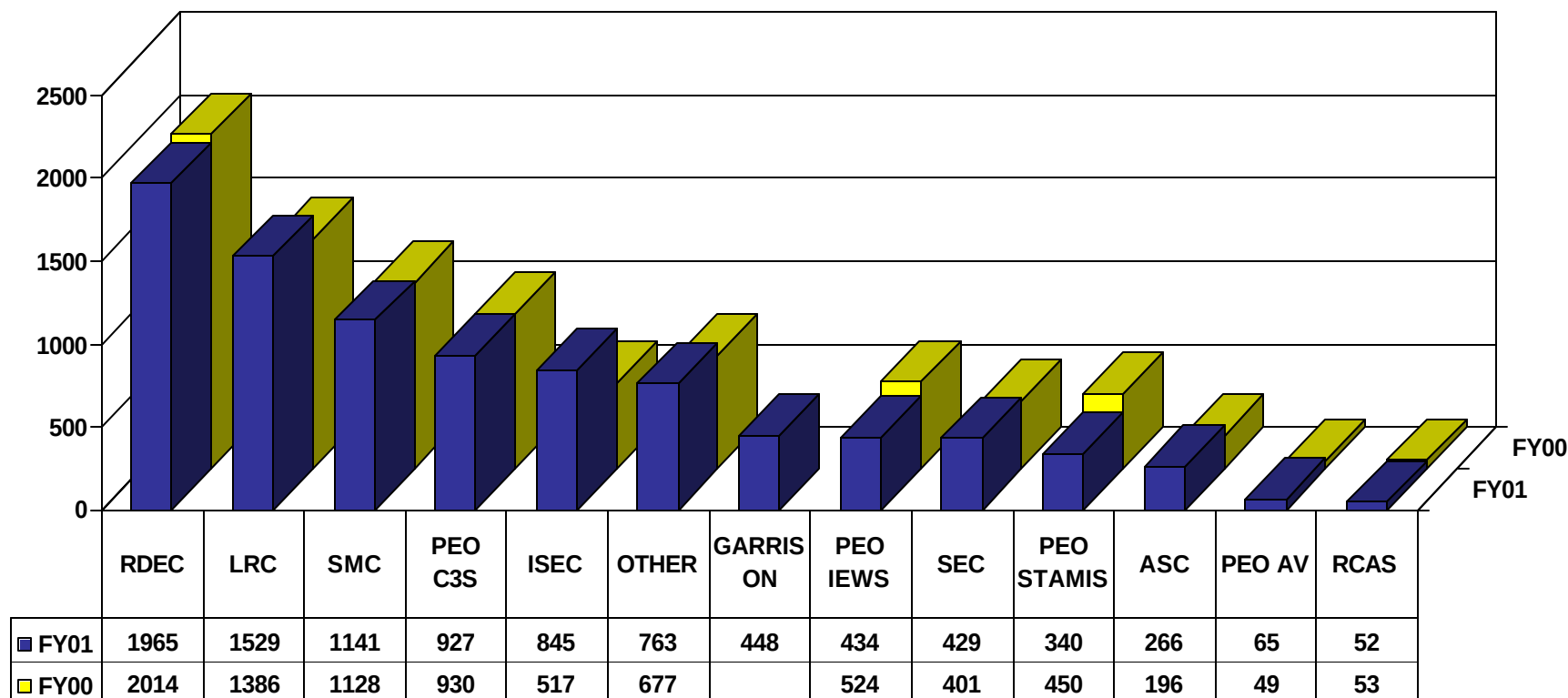


Top 10 Small Businesses

▪ <i>MCII GENERATOR & ELECTRIC</i>	<i>31,099,540</i>
▪ <i>SIGNAL CORP.</i>	<i>27,799,739</i>
▪ <i>E-OIR MEASUREMENTS INC.</i>	<i>26,703,163</i>
▪ <i>FIBERTEK</i>	<i>24,418,624</i>
▪ <i>ENGINEERING & PROFESSIONAL SERVICES</i>	<i>22,526,800</i>
▪ <i>BREN-TRONICS, INC.</i>	<i>17,680,714</i>
▪ <i>CUSTOMER MANUFACTURING & ENGINEERING</i>	<i>14,206,768</i>
▪ <i>INSIGHT TECHNOLOGY</i>	<i>13,626,786</i>
▪ <i>COMTECH MOBILE DATACOM CORP.</i>	<i>12,781,653</i>
▪ <i>LAGUNA INDUSTRIES, INC.</i>	<i>11,528,969</i>



Customer Distribution



FY01 FY00

CECOM Bottom Line: THE WARFIGHTER



Overall Summary

<u>CUSTOMER</u>	<u>AWARDED</u>	<u>ON-GOING</u>	<u>PPD</u>	<u>CXCLD</u>
RDEC	7	16	None	3
LRC	12	16	1	5
SMC	0	0	None	None
PEO C3S	5	4	None	None
ISEC	0	0	None	None
OTHER	0	0	None	None
GARRISON	0	4	None	None



Overall Summary

<u>CUSTOMER</u>	<u>AWARDED</u>	<u>ON-GOING</u>	<u>PPD</u>	<u>CXCLD</u>
PEO IEWS	8	13	3	None
SEC	0	0	None	None
PEO STAMIS	3	7	4	None
ASC	0	4	None	None
PEO AVIATION	0	0	None	None
RCAS	0	0	None	None
PEO CS&CSS	5	3	None	None



Summary

CONTRACT OPPORTUNITIES FOR LAST YEAR



SUMMARY

- ☐ **AWARDED**
- ☐ **ACTIVE**
- ☐ **INACTIVE**



AWARDED

2001 REQUIREMENTS



AWARDED

**TITLE: STANDOFF MINE DETECTION AND NEUTRALIZATION FOR THE
FUTURE COMBAT SYSTEM**

CUSTOMER: RDEC

AWARDED: 31 JAN 02

DOLLAR AMT: \$69,985.00

CONTRACTOR: WHITEMOSS, INC.

CONTRACTING OFFICER: MS. PEGGY MELANSON (703) 325-6096

**TITLE: STANDOFF MINE DETECTION AND NEUTRALIZATION FOR THE
FUTURE COMBAT SYSTEM**

CUSTOMER: RDEC

AWARDED: 31 JAN 02

DOLLAR AMT: \$69,461.00

CONTRACTOR: ATEC, INC.

CONTRACTING OFFICER: MS. PEGGY MELANSON (703) 325-6096



AWARDED

TITLE: NIGHT VISION OMNIBUS "LOW TECH" SUPPORT

CUSTOMER: RDEC

AWARDED: 20 JUL 01

DOLLAR AMT: \$383,807,101.00 (EST.)

CONTRACTOR: FIBERTEK, INC.

CONTRACTING OFFICER: MR. RICK FORSBERG (732) 532-3547

TITLE: NIGHT VISION OMNIBUS "LOW TECH" SUPPORT

CUSTOMER: RDEC

AWARDED: 20 JUL 01

DOLLAR AMT: \$406,480,230.00 (EST.)

CONTRACTOR: EOIR MEASUREMENTS, INC.

CONTRACTING OFFICER: MR. RICK FORSBERG (732) 532-3547



AWARDED

TITLE: CORDLESS CHIP BASED SOLDIER COMMUNICATIONS SYSTEM

CUSTOMER: RDEC

AWARDED: 12 APR 01

DOLLAR AMT: \$1,574,698.00

CONTRACTOR: ROCKWELL

CONTRACTING OFFICER: MR. ANDREW DELLOMO (732) 532-3569

TITLE: UNIVERSAL PCS HANDSET

CUSTOMER: RDEC

AWARDED: 27 MAR 01

DOLLAR AMT: \$1,999,545.00 (TOTAL - OTHER TRANSACTION)

CONTRACTOR: ITT

CONTRACTING OFFICER: MR. ANDREW DELLOMO (732) 532-3569



AWARDED

TITLE: ADVANCED PROTOCOLS FOR JOINT TACTICAL RADIO SYSTEM (JTRS)

CUSTOMER: RDEC

AWARDED: 30 APR 01

DOLLAR AMT: \$4.3M

CONTRACTOR: ROCKWELL COLLINS

CONTRACTING OFFICER: MR. ANDREW DELLOMO (732) 532-3569

TITLE: 60,000 BTU/HR ENVIRONMENTAL CONTROL UNIT

CUSTOMER: LRC

AWARDED: 28 JUN 01

DOLLAR AMT: \$3.7M

CONTRACTOR: MOBILIZED SYSTEMS, INC.

CONTRACTING OFFICER: MS. DONJOEAN RUCKER (732) 427-1651



AWARDED

TITLE: NEXT GENERATION II – CYLINDRICAL Li/MnO₂

CUSTOMER: LRC

AWARDED: 10 DEC 01

DOLLAR AMT: \$200.0M TOTAL (SPLIT AWARD)

CONTRACTOR: SAFT AMERICA

CONTRACTING OFFICER: MR. JOHN ADAMITIS (732) 532-3473

TITLE: NEXT GENERATION II – CYLINDRICAL Li/MnO₂

CUSTOMER: LRC

AWARDED: 10 DEC 01

DOLLAR AMT: \$200.0M TOTAL (SPLIT AWARD)

CONTRACTOR: CANADIAN COMMERCIAL

CONTRACTING OFFICER: MR. JOHN ADAMITIS (732) 532-3473



AWARDED

TITLE: AN/AVS-6, AN/PVS-7 AND AN/PVS-14 SPARES

CUSTOMER: LRC

AWARDED: 27 APR 01

DOLLAR AMT: \$6.1M (CEILING)

CONTRACTOR: INSIGHT TECHNOLOGY

CONTRACTING OFFICER: MR. RONALD BACKES (732) 532-1552

TITLE: AN/AVS-6, AN/PVS-7 AND AN/PVS-14 SPARES

CUSTOMER: LRC

AWARDED: 27 APR 01

DOLLAR AMT: \$6.6M (CEILING)

CONTRACTOR: ITT

CONTRACTING OFFICER: MR. RONALD BACKES (732) 532-1552



AWARDED

TITLE: AN/AVS-6, AN/PVS-7 AND AN/PVS-14 SPARES

CUSTOMER: LRC

AWARDED: 27 APR 01

DOLLAR AMT: \$50.4M (CEILING)

CONTRACTOR: LITTON SYSTEMS

CONTRACTING OFFICER: MR. RONALD BACKES (732) 532-1552

TITLE: AN/AVS-6, AN/PVS-7 AND AN/PVS-14 SPARES

CUSTOMER: LRC

AWARDED: 27 APR 01

DOLLAR AMT: \$51.5M (CEILING)

CONTRACTOR: ITT

CONTRACTING OFFICER: MR. RONALD BACKES (732) 532-1552



AWARDED

TITLE: AN-3900A ANTENNA AND COMPONENT SPARES

CUSTOMER: LRC

AWARDED: 16 JAN 02

DOLLAR AMT: \$5.0M (CEILING)

CONTRACTOR: ANTENNA RESEARCH ASSOCIATES

CONTRACTING OFFICER: MS. KATHLEEN RIZZO (732) 532-5798

TITLE: OMNICHARGE

CUSTOMER: LRC

AWARDED: 23 JUL 01

DOLLAR AMT: \$90.0M (EST.)

CONTRACTOR: BREN-TRONICS, INC.

CONTRACTING OFFICER: MR. TED KORDOWER (732) 427-6095



AWARDED

TITLE: IMPROVED ENVIRONMENTAL CONTROL UNITS

CUSTOMER: LRC

AWARDED: 16 AUG 01

DOLLAR AMT: \$1.9M

CONTRACTOR: KECO INDUSTRIES

CONTRACTING OFFICER: MS. PEGGY BUTLER (703) 325-4994

TITLE: IMPROVED ENVIRONMENTAL CONTROL UNITS

CUSTOMER: LRC

AWARDED: 16 AUG 01

DOLLAR AMT: \$2.8M

CONTRACTOR: WEDJ THREE C'S

CONTRACTING OFFICER: MS. PEGGY BUTLER (703) 325-4994



AWARDED

TITLE: UH60 BLACK HAWK CP2036/A COMMAND INSTRUMENT PROCESSOR

CUSTOMER: LRC

AWARDED: 22 FEB 02

DOLLAR AMT: \$14.1M (CEILING)

CONTRACTOR: ASTRONAUTICS CORPORATION OF AMERICA

CONTRACTING OFFICER: MR. KEVIN COAKLEY (732) 532-5416

TITLE: ONE WATT LINEAR (OWL) COOLER

CUSTOMER: PEO IEW&S

AWARDED: 27 APR 01

DOLLAR AMT: \$1,647,610.00

CONTRACTOR: AEG

CONTRACTING OFFICER: MS. DEBORAH GILLIGAN (732) 532-5454



AWARDED

TITLE: PROPHET BLOCK I

CUSTOMER: PEO IEW&S

AWARDED: 30 MAY 01

DOLLAR AMT: \$30.0M (EST.)

CONTRACTOR: TITAN SYSTEMS CORPORATION

CONTRACTING OFFICER: MR. ANDREW DELLOMO (732) 532-3569

**TITLE: STANDARD ADVANCED DEWAR ASSEMBLY, TYPE II
(SADA II)**

CUSTOMER: PEO IEW&S

AWARDED: 12 APR 01

DOLLAR AMT: \$7,086,940.00

CONTRACTOR: DRS

CONTRACTING OFFICER: MS. DEBORAH GILLIGAN (732) 532-5454



AWARDED

**TITLE: STANDARD ADVANCED DEWAR ASSEMBLY, TYPE II
(SADA II)**

CUSTOMER: PEO IEW&S

AWARDED: 12 APR 01

DOLLAR AMT: \$9,751,924.00

CONTRACTOR: RAYTHEON

CONTRACTING OFFICER: MS. DEBORAH GILLIGAN (732) 532-5454

**TITLE: STANDARD ADVANCED DEWAR ASSEMBLY, TYPE II
(SADA II)**

CUSTOMER: PEO IEW&S

AWARDED: 12 APR 01

DOLLAR AMT: \$3,202,540.00

CONTRACTOR: SOFRADIR

CONTRACTING OFFICER: MS. DEBORAH GILLIGAN (732) 532-5454



AWARDED

TITLE: HTI 2ND GENERATION FLIR – “B” KIT

CUSTOMER: PEO IEW&S

AWARDED: 31 JAN 01

DOLLAR AMT: \$31,898,883.00

CONTRACTOR: RAYTHEON

CONTRACTING OFFICER: MS. DEBORAH GILLIGAN (732) 532-5454

TITLE: HTI 2ND GENERATION FLIR – “B” KIT

CUSTOMER: PEO IEW&S

AWARDED: 31 JAN 01

DOLLAR AMT: \$28,335,610.00

CONTRACTOR: DRS

CONTRACTING OFFICER: MS. DEBORAH GILLIGAN (732) 532-5454



AWARDED

TITLE: ONE WATT LINEAR (OWL) COOLER

CUSTOMER: PEO IEW&S

AWARDED: 27 APR 01

DOLLAR AMT: \$2,376,155.00

CONTRACTOR: DRS

CONTRACTING OFFICER: MS. DEBORAH GILLIGAN (732) 532-5454

TITLE: PORTABLE BARRIERS

CUSTOMER: PEO CS&CSS

AWARDED: 15 OCT 01

DOLLAR AMT: \$77.0M (EST.)

CONTRACTOR: NASATKA BARRIERS, INC.

CONTRACTING OFFICER: MS. MARY BYRD (703) 325-1714



AWARDED

TITLE: PRODUCTS AND SERVICES TO SUPPORT INTERIOR AND EXTERIOR INTRUSION DETECTION

CUSTOMER: PEO CS&CSS

AWARDED: 31 JUL 01

DOLLAR AMT: \$60.0M (EST.)

CONTRACTOR: VARIOUS

CONTRACTING OFFICER: MS. MARY BYRD (703) 325-1714

TITLE: PROTECTIVE (BALLISTIC) GUARD BOOTHS AND FIXED/MOVABLE BARRIERS

CUSTOMER: PEO CS&CSS

AWARDED: 10 OCT 01

DOLLAR AMT: \$260.7M (EST.)

CONTRACTOR: DELTA SCIENTIFIC CORPORATION

CONTRACTING OFFICER: MS. MARY BYRD (703) 325-1714



AWARDED

TITLE: PRODUCTS AND SERVICES TO SUPPORT INTERIOR AND EXTERIOR INTRUSION DETECTION

CUSTOMER: PEO CS&CSS

AWARDED: 30 JUN 00

DOLLAR AMT: \$60.0M (EST.)

CONTRACTOR: VARIOUS

CONTRACTING OFFICER: MS. MARY J. BYRD (703) 325-1714

TITLE: MOBILE DETECTION ASSESSMENT RESPONSE SYSTEM – EXTERIOR (MDARS-E)

CUSTOMER: PEO CS&CSS

AWARDED: 7 JAN 02

DOLLAR AMT: \$9.5M (EST.)

CONTRACTOR: GENERAL DYNAMICS ROBOTICS SYSTEMS

CONTRACTING OFFICER: MR. RICHARD STURGIS (703) 325-6068



AWARDED

TITLE: LONG TERM LIFE CYCLE SUPPORT (LTLCS) FOR NORTEL NETWORKS DIGITAL TELEPHONE SYSTEMS

CUSTOMER: PEO EIS

AWARDED: 21 AUG 01

DOLLAR AMT: \$98.0M (EST.)

CONTRACTOR: GENERAL DYNAMICS NETWORK SYSTEMS

CONTRACTING OFFICER: MS. GLORIA HOFFMAN (732) 427-1433

TITLE: PROGRAM MANAGEMENT SUPPORT SERVICES (PMSS)

CUSTOMER: PEO EIS

AWARDED: 4 SEP 02

DOLLAR AMT: \$277.0M (EST.)

CONTRACTOR: VARIOUS

CONTRACTING OFFICER: MR. RICHARD STURGIS (703) 325-6068



AWARDED

**TITLE: JOINT COMPUTER AIDED ACQUISITION AND LOGISTICS
SUPPORT (JCALS) DEFENSE LOGISTICS INFORMATION
MANAGEMENT SYSTEM (DALIMS)**

CUSTOMER: PEO EIS

AWARDED: 26 JUN 01

DOLLAR AMT: \$46.0M (EST.)

CONTRACTOR: COMPUTER SCIENCES CORPORATION

CONTRACTING OFFICER: MS. MARY BYRD (703) 325-1714

TITLE: JOINT TACTICAL RADIO SYSTEM (JTRS) MULTIBAND ANTENNA

CUSTOMER: PEO C3T

AWARDED: 21 MAR 01

DOLLAR AMT: \$229,722.00

CONTRACTOR: ITT

CONTRACTING OFFICER: MS. JO-ANN LEE (732) 532-2315



AWARDED

TITLE: JOINT NETWORK MANAGEMENT SYSTEM (JNMS)
CUSTOMER: PEO C3T
AWARDED: 14 MAY 01
DOLLAR AMT: \$9.4M
CONTRACTOR: SCIENCE APPLICATIONS INTERNATIONAL CORP.
(SAIC)
CONTRACTING OFFICER: KENNETH TEDESCHI (732) 532-4846

TITLE: GLOBAL COMMAND AND CONTROL SYSTEM-ARMY
(GCCS-A) ENGINEERING AND INTEGRATION CONTRACT
CUSTOMER: PEO C3T
AWARDED: 29 JUN 01
DOLLAR AMT: \$223.0M
CONTRACTOR: LOCKHEED MARTIN
CONTRACTING OFFICER: MS. PEGGY BUTLER (703) 325-4994



AWARDED

TITLE: JOINT TACTICAL RADIO SYSTEM (JTRS) MULTIBAND ANTENNA

CUSTOMER: PEO C3T

AWARDED: 22 MAR 01

DOLLAR AMT: \$94,373.00

CONTRACTOR: SHAKESPEARE

CONTRACTING OFFICER: MS. VIRGINIA KNIGHT (732) 532-4775

TITLE: JOINT TACTICAL RADIO SYSTEM (JTRS) MULTIBAND ANTENNA

CUSTOMER: PEO-C3T

AWARDED: 23 MAR 01

DOLLAR AMT: \$128,516.00

CONTRACTOR: MEGAWAVE

CONTRACTING OFFICER: MS. VIRGINIA KNIGHT (732) 532-4775



ACTIVE

2001 REQUIREMENTS



ACTIVE

TITLE: SMALL BUSINESS INNOVATIVE RESEARCH (SBIR)

CUSTOMER: RDEC

KEY MILESTONES: (Phase I)

SOLICITATION POSTED: 3QFY02

PROPOSALS ACCEPTED: 4QFY02

SOLICITATION CLOSES: 4QFY02

FORECAST AWARD: 1QFY03

ACQUISITION CONTACT: MR. RICK KOLARSICK (732) 532-4346

TITLE: DISTRIBUTED UNATTENDED SENSOR TECHNOLOGY

CUSTOMER: RDEC

KEY MILESTONES:

RELEASE RFP: 1QFY02

FORECAST AWARD: 3QFY02

ACQUISITION CONTACT: MR. RICK KOLARSICK (732) 532-4346



ACTIVE

**TITLE: SENSORS FOR THE FUTURE COMBAT SYSTEM COST EFFECTIVE
TARGETING SYSTEM**

CUSTOMER: RDEC

KEY MILESTONES:

ISSUE BAA: 3QFY01

FORECAST AWARD: 1QFY05

CONTRACTING OFFICER: MS. MARY PATERNO-MIHALKO (732) 532-3992

TITLE: MULTI-MISSION RADAR PROGRAM

CUSTOMER: RDEC

KEY MILESTONES:

RELEASE RFP: 1QFY02

FORECAST AWARD: 3QFY02

CONTRACTING OFFICER: MR. ANDREW DELLOMO (732) 532-3569



ACTIVE

TITLE: SENSORS FOR SMALL UNMANNED AERIAL VEHICLE (SUAV)

CUSTOMER: RDEC

KEY MILESTONES:

ISSUE RFP: 1QFY03

FORECAST AWARD: 3QFY04

CONTRACTING OFFICER: MR. RON BACKES (732) 532-1552

TITLE: HEAD TRACKED SENSOR SUITE (HTSS)

CUSTOMER: RDEC

KEY MILESTONES:

ISSUE BAA: 3QFY02

FORECAST AWARD: 4QFY02

CONTRACTING OFFICER: MS. DEBORAH GILLIGAN (732) 532-5454



ACTIVE

**TITLE: SENSORS FOR FUTURE COMBAT SYSTEM – NETWORK
SENSORS FOR OBJECTIVE FORCE**

CUSTOMER: RDEC

KEY MILESTONES:

RELEASED RFP: 2QFY02

FORECAST AWARD: 3QFY02

CONTRACTING OFFICER: MR. RON BACKES (732) 532-1552

TITLE: SMART NETWORKED RADIO TECHNOLOGY

CUSTOMER: RDEC

KEY MILESTONES:

ISSUE BAA: 1QFY04

FORECAST AWARD: (MULTIPLE) 2QFY04

PROTOTYPE DELIVERY: 4QFY05

CONTRACTING OFFICER: MR. RICK KOLARSICK (732) 532-4346



ACTIVE

TITLE: I2WD 2001 – BROAD AGENCY ANNOUNCEMENT

CUSTOMER: RDEC

KEY MILESTONES:

ISSUE BAA: (MULTIPLE AWARDS) 1QFY01

OPEN PROPOSAL SUBMISSION FOR LIFE OF BAA: 4QFY04

CONTRACTING OFFICER: MS. MARY PATERNO-MIHALKO (732) 532-3992

**TITLE: MULTIFUNCTIONAL ON-THE-MOVE SECURE ADAPTIVE
INTEGRATED COMMUNICAATIONS (MOSAIC)**

CUSTOMER: RDEC

KEY MILESTONES:

ISSUE BAA: (MULTIPLE AWARDS) 3QFY00

OPEN PROPOSAL SUBMISSION FOR LIFE OF BAA: 1QFY03

CONTRACTING OFFICER: MR. ANDREW DELLOMO (732) 532-3569



ACTIVE

TITLE: TACTICAL C2 PROTECT

CUSTOMER: RDEC

KEY MILESTONES:

ISSUE BAA: (MULTIPLE AWARDS) 3QFY00

OPEN PROPOSAL SUBMISSION FOR LIFE OF BAA: 3QFY03

CONTRACTING OFFICER: MR. ANDREW DELLOMO (732) 532-3569

TITLE: ADVANCED ANTENNAS

CUSTOMER: RDEC

KEY MILESTONES:

ISSUE BAA: (MULTIPLE AWARDS) 3QFY00

OPEN PROPOSAL SUBMISSION FOR LIFE OF BAA: 3QFY03

CONTRACTING OFFICER: MS. VIRGINIA KNIGHT (732) 532-4348



ACTIVE

TITLE: AGILE COMMANDER ADVANCED TECHNOLOGY DEMONSTRATION

CUSTOMER: RDEC

KEY MILESTONES:

ISSUE BAA: (MULTIPLE AWARDS) 4QFY00

OPEN PROPOSAL SUBMISSION FOR LIFE OF BAA: 4QFY03

CONTRACTING OFFICER: MR. ANDREW DELLOMO (732) 532-3569

**TITLE: LOGISTICS COMMAND AND CONTROL ADVANCED TECHNOLOGY
DEMONSTRATION**

CUSTOMER: RDEC

KEY MILESTONES:

ISSUE BAA: (MULTIPLE AWARDS) 4QFY00

OPEN PROPOSAL SUBMISSION FOR LIFE OF BAA: 4QFY03

CONTRACTING OFFICER: MR. ANDREW DELLOMO (732) 532-3569



ACTIVE

TITLE: ON-THE-MOVE SATELLITE COMMUNICATIONS

CUSTOMER: RDEC

KEY MILESTONES:

RELEASED RFP: 1QFY01

FORECAST AWARD: 2QFY04

CONTRACTING OFFICER: MR. ANDREW DELLOMO (732) 532-3569

TITLE: DUAL USE SCIENCE & TECHNOLOGY OPPORTUNITIES

CUSTOMER: RDEC

KEY MILESTONES:

ISSUE BAA: (MULTIPLE AWARDS) 3QFY01

FORECAST AWARD: 3QFY02

ACQUISITION CONTACT: MR. RICK KOLARSICK (732) 532-4346



ACTIVE

TITLE: AIRCRAFT BATTERIES

CUSTOMER: LRC

KEY MILESTONES:

RELEASE RFP: 3QFY02

FORECAST AWARD: 4QFY02

CONTRACTING OFFICER: MR. TED KORDOWER (732) 427-6095

TITLE: NEXTGEN II NON-RECHARGEABLE BATTERIES

CUSTOMER: LRC

KEY MILESTONES:

RELEASE RFP: 1QFY02

FORECAST AWARD: 4QFY02

CONTRACTING OFFICER: MR. JOHN ADAMITIS (732) 427-3473



ACTIVE

TITLE: SPARES FOR AN/ALQ-144A(V) COUNTERMEASURE SET

CUSTOMER: LRC

KEY MILESTONES: (Current Small Business Contract)

RELEASE RFP: 3QFY04

FORECAST AWARD: 4QFY04

CONTRACTING OFFICER: MS. VERNAY SALAS (732) 532-1257

TITLE: SPARES FOR AN/ALQ-144A(V) COUNTERMEASURE SET

CUSTOMER: LRC

KEY MILESTONES: (Current Full and Open Contract)

RELEASE RFP: 3QFY04

FORECAST AWARD: 4QFY04

CONTRACTING OFFICER: MS. VERNAY SALAS (732) 532-1257



ACTIVE

TITLE: AN/PRC-127B RADIO SET

CUSTOMER: LRC

KEY MILESTONES:

RELEASED RFP: 2QFY02

FORECAST AWARD: 3QFY02

CONTRACTING OFFICER: MR. MIKE NEEB (732) 532-1832

TITLE: FIVE AND TEN KILOWATT ENGINES

CUSTOMER: LRC

KEY MILESTONES:

RELEASE RFP: 3QFY04

FORECAST AWARD: 4QFY04

CONTRACTING OFFICER: MS. YVONNE HICKS BOVA (732) 532-3829



ACTIVE

TITLE: AB-1386/U QUICK ERECT ANTENNA MAST

CUSTOMER: LRC

KEY MILESTONES:

RELEASE RFP: 4QFY02

FORECAST AWARD: 1QFY03

CONTRACTING OFFICER: MR. HOMER O'KREPKE (732) 532-4840

TITLE: NEXT GENERATION II – Li/SO2

CUSTOMER: LRC

KEY MILESTONES:

RELEASED RFP: 1QFY01

FORECAST AWARD: 3QFY02

CONTRACTING OFFICER: MR. JOHN ADAMITIS (732) 532-3473



ACTIVE

TITLE: NEXT GENERATION II – SMALL CELL Li/MnO₂

CUSTOMER: LRC

KEY MILESTONES:

RELEASE RFP: 2QFY03

FORECAST AWARD: 3QFY03

CONTRACTING OFFICER: MR. JOHN ADAMITIS (732) 532-3473

TITLE: NEXT GENERATION II – RECTANGULAR Li/MnO₂

CUSTOMER: LRC

KEY MILESTONES:

RELEASE RFP: 4QFY02

FORECAST AWARD: 1QFY03

CONTRACTING OFFICER: MR. JOHN ADAMITIS (732) 532-3473



ACTIVE

TITLE: COMMON MODULE LIGHT EMITTING DIODE RAYS

CUSTOMER: LRC

KEY MILESTONES:

RELEASED RFP: 3QFY01

FORECAST AWARD: 3QFY02

CONTRACTING OFFICER: MR. RONALD BACKES (732) 532-1552

TITLE: SPARES FOR THE AN/APR-39A(V) RADAR WARNING RECEIVER

CUSTOMER: LRC

KEY MILESTONES:

RELEASE RFP: 3QFY02

FORECAST AWARD: 4QFY02

CONTRACTING OFFICER: MR. KEVIN COAKLEY (732) 532-5416



ACTIVE

**TITLE: OVERSPEED SWITCHES FOR 15KW, 30KW, 60KW MILITARY
STANDARD GENERATOR SETS**

CUSTOMER: LRC

KEY MILESTONES:

RELEASE RFP: 3QFY02

FORECAST AWARD: 4QFY02

CONTRACTING OFFICER: MS. KARIN BOGNER (732) 427-1605

TITLE: 350,000 BTU/HR LARGE CAPACITY FIELD HEATER

CUSTOMER: LRC

KEY MILESTONES:

RELEASED RFP: 1QFY02

FORECAST AWARD: 3QFY02

CONTRACTING OFFICER: MS. PATRICIA DAVIS (703) 325-1713



ACTIVE

TITLE: SPARES FOR THE AN/APR-39A(V), RADAR WARNING RECEIVER

CUSTOMER: LRC

KEY MILESTONES:

RELEASE RFP: 3QFY02

FORECAST AWARD: 4QFY02

CONTRACTING OFFICER: MR. KEVIN COAKLEY (732) 532-5416

TITLE: MAIN ALTERNATORS FOR MILITARY STANDARD GENERATOR SETS

CUSTOMER: LRC

KEY MILESTONES:

RELEASE RFP: 3QFY02

FORECAST AWARD: 4QFY02

CONTRACTING OFFICER: MS. KARIN BOGNER (732) 532-5719



ACTIVE

TITLE: ONE WATT LINEAR (OWL) COOLER

CUSTOMER: PEO IEW&S

KEY MILESTONES:

RELEASE RFP: 4QFY02

FORECAST AWARD: 1QFY03

CONTRACTING OFFICER: MS. DEBORAH GILLIGAN (732) 532-5454

**TITLE: STANDARD ADVANCED DEWAR ASSEMBLY, TYPE II
(SADA II)**

CUSTOMER: PEO IEW&S

KEY MILESTONES:

RELEASE RFP: 4QFY02

FORECAST AWARD: 1QFY03

CONTRACTING OFFICER: MR. JACK KULAGA (732) 427-1356



ACTIVE

**TITLE: COMBAT IDENTIFICATION FOR THE DISMOUNTED SOLDIER
(INDIVIDUAL COMBAT IDENTIFICATION SYSTEM (ICIDDS))**

CUSTOMER: PEO IEW&S

KEY MILESTONES:

RELEASE RFP: 1QFY03

FORECAST AWARD: 2QFY03

CONTRACTING OFFICER: MS. JUDITH ANDERSON (732) 427-1408

TITLE: THERMAL OMNIBUS II

CUSTOMER: PEO IEW&S

KEY MILESTONES:

RELEASE RFP: 4QFY02

FORECAST AWARD: 2QFY03

CONTRACTING OFFICER: MS. DEBORAH GILLIGAN (732) 532-5454



ACTIVE

TITLE: PROPHET BLOCK II EA

CUSTOMER: PEO IEW&S

KEY MILESTONES:

RELEASE RFP: 3QFY02

FORECAST AWARD: 1QFY03

CONTRACTING OFFICER: MR. ANDREW DELLOMO (732) 532-3569

TITLE: PROPHET BLOCK III LPI/MMI

CUSTOMER: PEO IEW&S

KEY MILESTONES:

RELEASE RFP: 3QFY02

FORECAST AWARD: 1QFY03

CONTRACTING OFFICER: MR. ANDREW DELLOMO (732) 532-3569



ACTIVE

TITLE: PROPHET BLOCK IV SIGINT/MASINT FUSION

CUSTOMER: PEO IEW&S

KEY MILESTONES:

RELEASE RFP: 3QFY04

FORECAST AWARD: 1QFY05

CONTRACTING OFFICER: MR. ANDREW DELLOMO (732) 532-3569

TITLE: DCGS-A

CUSTOMER: PEO IEW&S

KEY MILESTONES:

RELEASE RFP: 3QFY03

FORECAST AWARD: 2QFY04

CONTRACTING OFFICER: MR. THOMAS MOORE (732) 427-1335



ACTIVE

TITLE: M1A2 SEP BIOCULAR IMAGE CONTROL UNIT (BICU)

CUSTOMER: PEO IEW&S

KEY MILESTONES:

RELEASED RFP: 2QFY02

FORECAST AWARD: 3QFY02

CONTRACTING OFFICER: MS. DEBORAH GILLIGAN (732) 532-5454

TITLE: THERMAL OMNIBUS II CONTRACT OPPORTUNITY

CUSTOMER: PEO IEW&S

KEY MILESTONES:

RELEASE RFP: 4QFY02

FORECAST AWARD: 2QFY03

CONTRACTING OFFICER: MS. DEBORAH GILLIGAN (732) 532-5454



ACTIVE

TITLE: ENHANCED NIGHT VISION GOGGLE (ENVG) CONTRACT OPPORTUNITY

CUSTOMER: PEO IEW&S

KEY MILESTONES:

RELEASE RFP: 1QFY03

FORECAST AWARD: 2QFY03

CONTRACTING OFFICER: MR. JACK KULAGA (732) 427-1356

TITLE: LIGHTWEIGHT VIDEO RECONNAISSANCE SYSTEM (LVRS)

CUSTOMER: PEO IEW&S

KEY MILESTONES:

RELEASE RFP: 1QFY04

FORECAST AWARD: 2QFY04

CONTRACTING OFFICER: MR. JACK KULAGA (732) 427-1356



ACTIVE

TITLE: IMAGE INTENSIFICATION SYSTEMS OMNIBUS CONTRACT OPPORTUNITY

CUSTOMER: PEO IEW&S

KEY MILESTONES:

RELEASED RFP: 1QFY02

FORECAST AWARD: 3QFY02

CONTRACTING OFFICER: MR. JACK KULAGA (732) 427-1356

TITLE: COMMON HARDWARE SYSTEMS (CHS 3)

CUSTOMER: PEO COMBAT GROUND COMMAND & CONTROL

KEY MILESTONES:

RELEASED RFP: 1QFY03

FORECAST AWARD: 3QFY03

CONTRACTING OFFICER: MS. MONA THOMAS (732) 427-1540



ACTIVE

TITLE: WIN-TACTICAL (WIN-T)

CUSTOMER: PEO C3T

KEY MILESTONES:

RELEASE RFP: 3QFY02

FORECAST AWARD: 4QFY02

CONTRACTING OFFICER: MR. KENNETH TEDESCHI (732) 532-4846

TITLE: TACTICAL SWITCH REQUIREMENT (TSR)

CUSTOMER: PEO C3T

KEY MILESTONES:

RELEASED RFP: 4QFY01

FORECAST AWARD: 3QFY02

CONTRACTING OFFICER: MR. BRUCE KUELLER (732) 427-1583



ACTIVE

TITLE: APPLIQUE COMPUTERS, RELATED SYSTEM INTEGRATION & SUPPORT SERVICES

CUSTOMER: PEO C3T

KEY MILESTONES:

RELEASE RFP: 4QFY02

FORECAST AWARD: 1QFY03

CONTRACTING OFFICER: MR. ALEX MATEJKA (732) 532-4916

TITLE: GROUND COMBAT C3 MIGRATION

CUSTOMER: PEO C3T

KEY MILESTONES:

RELEASE RFP: 1QFY03

FORECAST AWARD: 3QFY03

CONTRACTING OFFICER: MS. MARCIA EASTON (732) 532-2385



ACTIVE

TITLE: LONG TERM LIFE CYCLE SUPPORT

CUSTOMER: PEO EIS

KEY MILESTONES:

RELEASE RFP: 4QFY02

FORECAST AWARD: 1QFY03

CONTRACTING OFFICER: MS. ATHENA LOESCH (732) 427-1461

TITLE: INFORMATION TECHNOLOGY ENTERPRISE SOLUTIONS (ITES)

CUSTOMER: PEO EIS

KEY MILESTONES:

RELEASE RFP: 3QFY02

FORECAST AWARD: 1QFY03

CONTRACTING OFFICER: MS. BARBARA TRUJILLO (703) 325-3341



ACTIVE

TITLE: ARMY ENTERPRISE INFOSTRUCTURE TRANSFORMATION

CUSTOMER: PEO EIS

KEY MILESTONES:

RELEASE RFP: 1QFY03

FORECAST AWARD: 3QFY03

CONTRACTING OFFICER: MS. PATRICIA DAVIS (703) 325-1713

**TITLE: JOINT COMPUTER AIDED ACQUISITION AND LOGISTICS SUPPORT
(JCALS) FOLLOW-ON FOR SUSTAINMENT SERVICES**

CUSTOMER: PEO EIS

KEY MILESTONES:

RELEASE RFP: 1QFY03

FORECAST AWARD: 3QFY03

CONTRACTING OFFICER: MR. RICHARD STURGIS (703) 325-6068



ACTIVE

TITLE: ADVANCED MEDIUM-SIZED MOBILE POWER SOURCES (AMMPS)

CUSTOMER: PEO EIS

KEY MILESTONES:

RELEASED RFP: 1QFY02

FORECAST AWARD: 3QFY02

CONTRACTING OFFICER: MR. JOHN O'NEAL (732) 427-1589

TITLE: WIDEBAND ANTI-JAM MODEM SYSTEM (WAMS)

CUSTOMER: PEO EIS

KEY MILESTONES:

RELEASE RFP: 3QFY02

FORECAST AWARD: 4QFY02

CONTRACTING OFFICER: MR. MICHAEL NEEB (732) 532-1832



ACTIVE

TITLE: RADIO IDENTIFICATION TECHNOLOGY II (RFID-II)

CUSTOMER: PEO EIS

KEY MILESTONES:

RELEASE RFP: 3QFY02

FORECAST AWARD: 4QFY02

CONTRACTING OFFICER: MS. GLORIA MCGEE (703) 325-2927

TITLE: VEHICLE AND CARGO INSPECTION SYSTEMS

CUSTOMER: PEO CS&CSS

KEY MILESTONES:

RELEASED RFP: 2QFY02

FORECAST AWARD: 3QFY02

CONTRACTING OFFICER: MR. RICHARD STURGIS (703) 325-6068



ACTIVE

**TITLE: PM PHYSICAL SECURITY EQUIPMENT (PSE) SYSTEM
ENGINEERING INTEGRATION SUPPORT (SEIS)**

CUSTOMER: PEO CS&CSS

KEY MILESTONES:

RELEASE RFP: 4QFY02

FORECAST AWARD: 1QFY03

CONTRACTING OFFICER: MR. RICHARD STURGIS (703) 325-6068

TITLE: INTEGRATED COMMERCIAL INTRUSION DETECTION SYSTEM

CUSTOMER: PEO CS&CSS

KEY MILESTONES:

RELEASED RFP: 2QFY02

FORECAST AWARD: 3QFY02

CONTRACTING OFFICER: MS. TERESA WHITE (703) 325-6172



ACTIVE

TITLE: ADMINISTRATIVE TELEPHONE SERVICES, FT. JACKSON

CUSTOMER: ARMY SIGNAL COMMAND

KEY MILESTONES:

RELEASE RFP: 3QFY02

FORECAST AWARD: 4QFY02

CONTRACTING OFFICER: MS. LINDA VAN COLLIE (520) 533-0433

TITLE: ADMINISTRATIVE TELEPHONE SERVICES, REDSTONE ARSENAL

CUSTOMER: ARMY SIGNAL COMMAND

KEY MILESTONES:

RELEASE RFP: 3QFY02

FORECAST AWARD: 3QFY02

CONTRACTING OFFICER: MS. LINDA VAN COLLIE (520) 533-0433



ACTIVE

TITLE: ADMINISTRATIVE TELEPHONE SERVICES, FT. SAM HOUSTON

CUSTOMER: ARMY SIGNAL COMMAND

KEY MILESTONES:

RELEASE RFP: 3QFY02

FORECAST AWARD: 4QFY02

CONTRACTING OFFICER: MS. LAURA O'BRENNAN (520) 538-8698

TITLE: OFFICE AUTOMATION SUPPORT SERVICES

CUSTOMER: ARMY SIGNAL COMMAND

KEY MILESTONES:

RELEASE RFP: 3QFY02

FORECAST AWARD: 3QFY02

CONTRACTING OFFICER: MS. LAURA O'BRENNAN (520) 538-8698



ACTIVE

TITLE: INSTALLATION SUPPORT SERVICES

CUSTOMER: US ARMY GARRISON, FORT MONMOUTH

KEY MILESTONES:

RELEASED RFP: 2QFY01

FORECAST AWARD: 4QFY02

CONTRACTING OFFICER: MS. VIRGINIA KNIGHT (732) 532-4775

TITLE: FORT MONMOUTH GARRISON (FMG) BASE OPERATIONS

COMMERCIAL ACTIVITY (CA) STUDY

KEY MILESTONES:

INITIAL DECISION: 2QFY02

FINAL DECISION: 3QFY02

CONT AWD/CXL SOL: 4QFY02

CONTRACTING OFFICER: MR. RONALD BACKES (732) 532-1552



ACTIVE

**TITLE: TOBYHANNA BASE OPERATIONS COMMERCIAL ACTIVITY
(CA) STUDY**

KEY MILESTONES:

INITIAL DECISION: 3QFY02

FINAL DECISION: 3QFY02

CONT AWD/CXL SOL: 4QFY02

CONTRACTING OFFICER: MS. JO-ANN LEE (732) 532-2315

**TITLE: INFORMATION MISSION AREA (IMA) COMMERCIAL ACTIVITY
(CA) STUDY**

KEY MILESTONES:

INITIAL DECISION: 2QFY02

FINAL DECISION: 3QFY02

CONT AWD/CXL SOL: 4QFY02

CONTRACTING OFFICER: MS. KAREN CONTI (732) 532-1984



ACTIVE

TITLE: INTEGRATED LASER WHITE-LIGHT POINTER (ILWP)

CUSTOMER: PEO SOLDIER

KEY MILESTONES:

RELEASE RFP: 1QFY03

FORECAST AWARD: 2QFY03

CONTRACTING OFFICER: MS. LINDA VAN COLLIE (520) 533-0433



INACTIVE

2001 REQUIREMENTS



INACTIVE

TITLE: CORDLESS CHIP BASED SOLDIER COMMUNICATIONS
CUSTOMER: RDEC
STATUS: CANCELLED
ACQUISITION CONTACT: MR. RICK KOLARSICK (732) 532-4346

TITLE: TACTICAL C2 PROTECT
CUSTOMER: RDEC
STATUS: CANCELLED
ACQUISITION CONTACT: MR. RICK KOLARSICK (732) 532-4346



INACTIVE

TITLE: FUEL CELL HYBRID POWER FOR LAND WARRIOR

CUSTOMER: RDEC

STATUS: CANCELLED

ACQUISITION CONTACT: MR. RICK KOLARSICK (732) 532-4346

**TITLE: 4.2 KILOWATT AUXILIARY POWER UNIT – MERGED WITH MAIN
ALTERNATORS FOR MILITARY STANDARD GENERATOR SETS**

CUSTOMER: LRC

STATUS: POSTPONED

CONTRACTING OFFICER: MS. KARIN BOGNER (732) 427-1605



INACTIVE

TITLE: AN/VIC-1 INTERCOM SYSTEM SPARES

CUSTOMER: LRC

STATUS: CANCELLED

CONTRACTING OFFICER: MR. JOHN O'NIEAL (732) 427-1589

**TITLE: AN/ARM-186 VERY HIGH FREQUENCY OMNI-DIRECTIONAL
RANGE STATION INSTRUMENTAL LANDING SYSTEM RECEIVER
TEST SET**

CUSTOMER: LRC

STATUS: CANCELLED

CONTRACTING OFFICER: MR. KEVIN COAKLEY (732) 532-5416



INACTIVE

TITLE: TRANSMITTER OSCILLATOR (P/O AN/APX-72)

CUSTOMER: LRC

STATUS: CANCELLED

CONTRACTING OFFICER: MS. PATRICIA CALTABILOTA (732) 532-5416

**TITLE: AN/ARM-186 VERY HIGH FREQUENCY OMNI-DIRECTIONAL
RANGE STATION INSTRUMENTAL LANDING SYSTEM RECEIVER
TEST SET**

CUSTOMER: LRC

STATUS: CANCELLED

CONTRACTING OFFICER: MR. KEVIN COAKLEY (732) 532-5416



INACTIVE

TITLE: CN-1314()A DISPLACEMENT GYROSCOPE

CUSTOMER: LRC

STATUS: CANCELLED

CONTRACTING OFFICER: MR. KEVIN COAKLEY (732) 427-1506

TITLE: SOFTWARE DEVELOPMENT

CUSTOMER: PEO EIS

STATUS: CANCELLED

CONTRACTING OFFICER: MS. MARY O'HARA (703) 325-3343



INACTIVE

TITLE: ELECTRONIC TRIP FLARE (ETF)

CUSTOMER: PEO EIS

STATUS: POSTPONED

CONTRACTING OFFICER: MS. MARY BYRD (703) 325-1714

TITLE: STAMIS TACTICAL COMPUTERS (SCC-III)

CUSTOMER: PEO EIS

STATUS: POSTPONED

CONTRACTING OFFICER: MS. CONNIE SIMMONS (703 325-3352)



INACTIVE

TITLE: HIGH VALUE ITEM SECURITY SYSTEM - HVISS

CUSTOMER: PEO EIS

STATUS: POSTPONED

CONTRACTING OFFICER: MS. MARY BYRD (703) 325-1714

TITLE: PEO IEW&S "CORE" SUPPORT

CUSTOMER: PEO IEW&S

STATUS: POSTPONED

CONTRACTING OFFICER: MS. DEBRA SHREVE (732) 532-2461



INACTIVE

TITLE: BATTLEFIELD COMBAT IDENTIFICATION SYSTEM (BCIS)
CUSTOMER: PEO IEW&S
STATUS: POSTPONED
CONTRACTING OFFICER: MS. JUDITH ANDERSON (732) 427-1408

TITLE: LIGHTWEIGHT VIDEO RECONNAISSANCE SYSTEM (LVRS)
CUSTOMER: PEO IEW&S
STATUS: POSTPONED
CONTRACTING OFFICER: MR. JACK KULAGA (732) 427-1356



Contract Title

- **OBJECTIVE:**
- **CONTRACT TYPE:**
- **ESTIMATED VALUE:**
- **KEY MILESTONES:**
- **TECHNICAL CONTACT:**
- **ACQUISITION CONTACT:**
- **SOLICITATION # or RFQ #:**

Project Manager Night Vision/ Reconnaissance, Surveillance and Target Acquisition (PM NV/RSTA)

Contract Opportunities

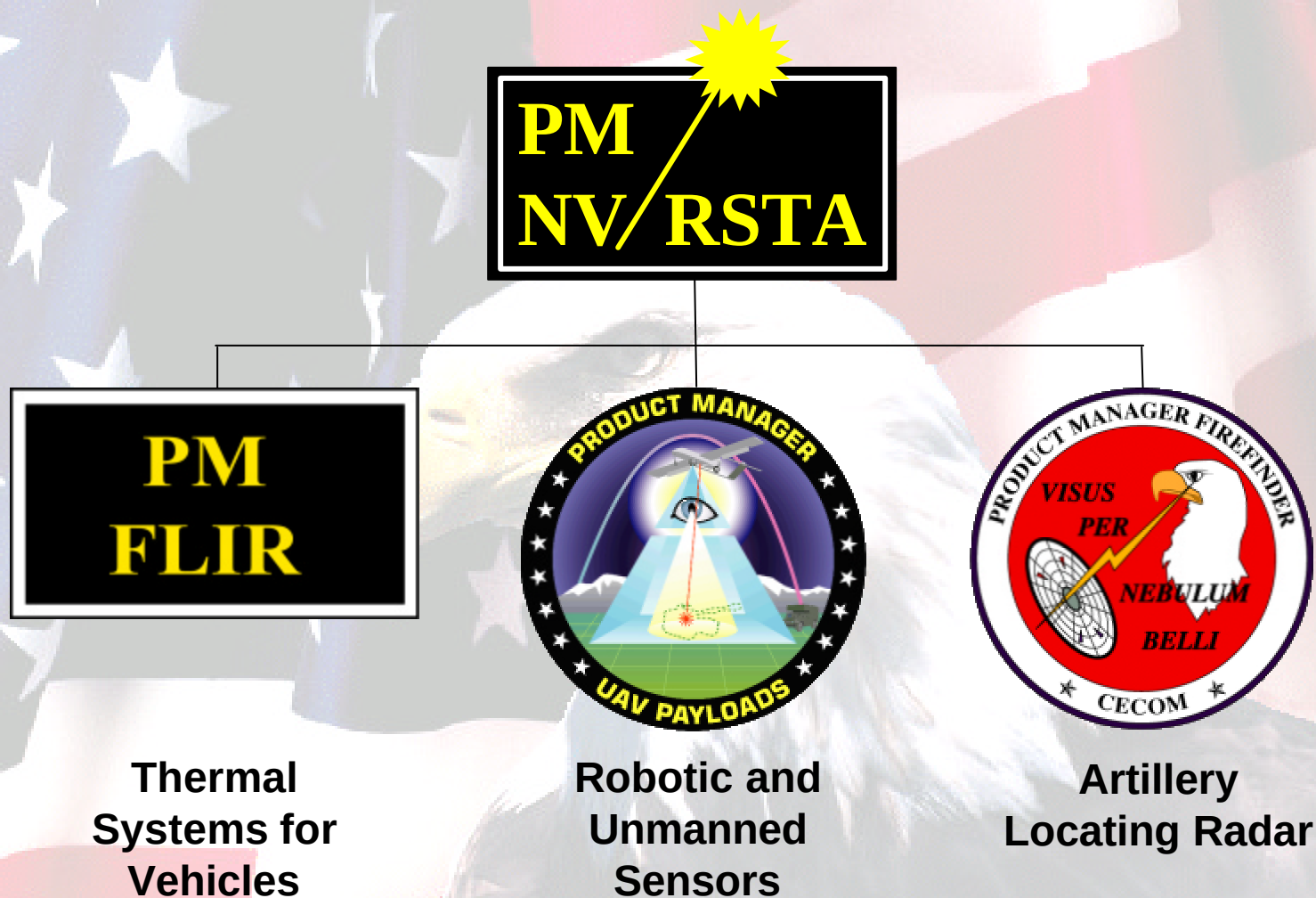
**Mr. John Gresham
Deputy Project Manager, NV/RSTA**

**(703) 704-3444
john.gresham@nvl.army.mil**

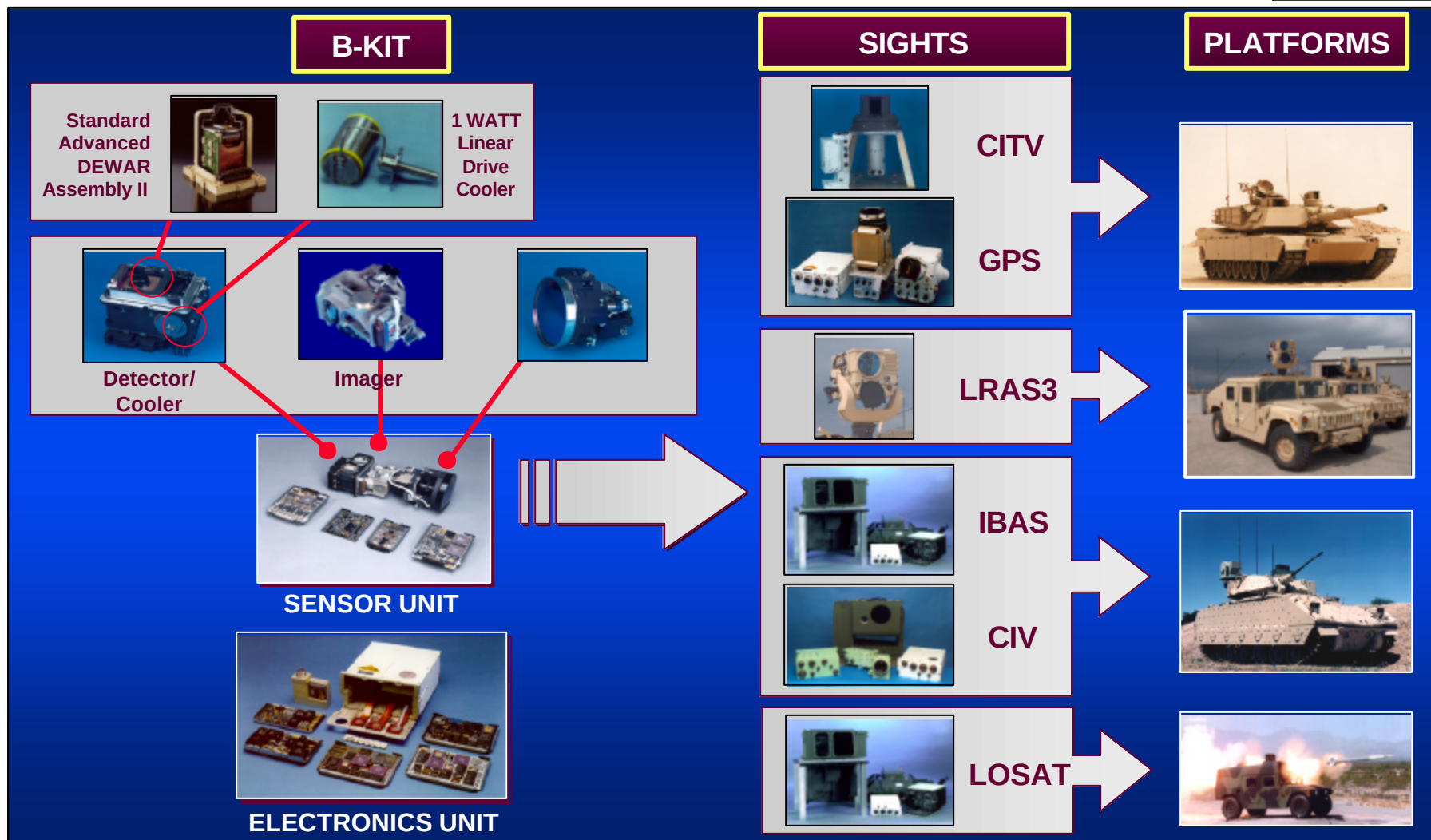


**PM NV/RSTA develops,
acquires, and provides
superior, affordable day/night
vision, multi-sensor and
artillery locating radar
systems to the American
warfighter.**

PM NV/RSTA Organization



Thermal System for Vehicles



Horizontal Technology Integration Second Gen FLIR



**Driver's Vision Enhancer
(DVE), AN/VAS-5**



**Long Range Advanced
Scout Surveillance System (LRAS3)**



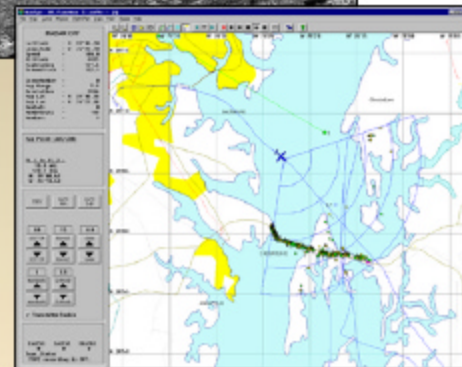
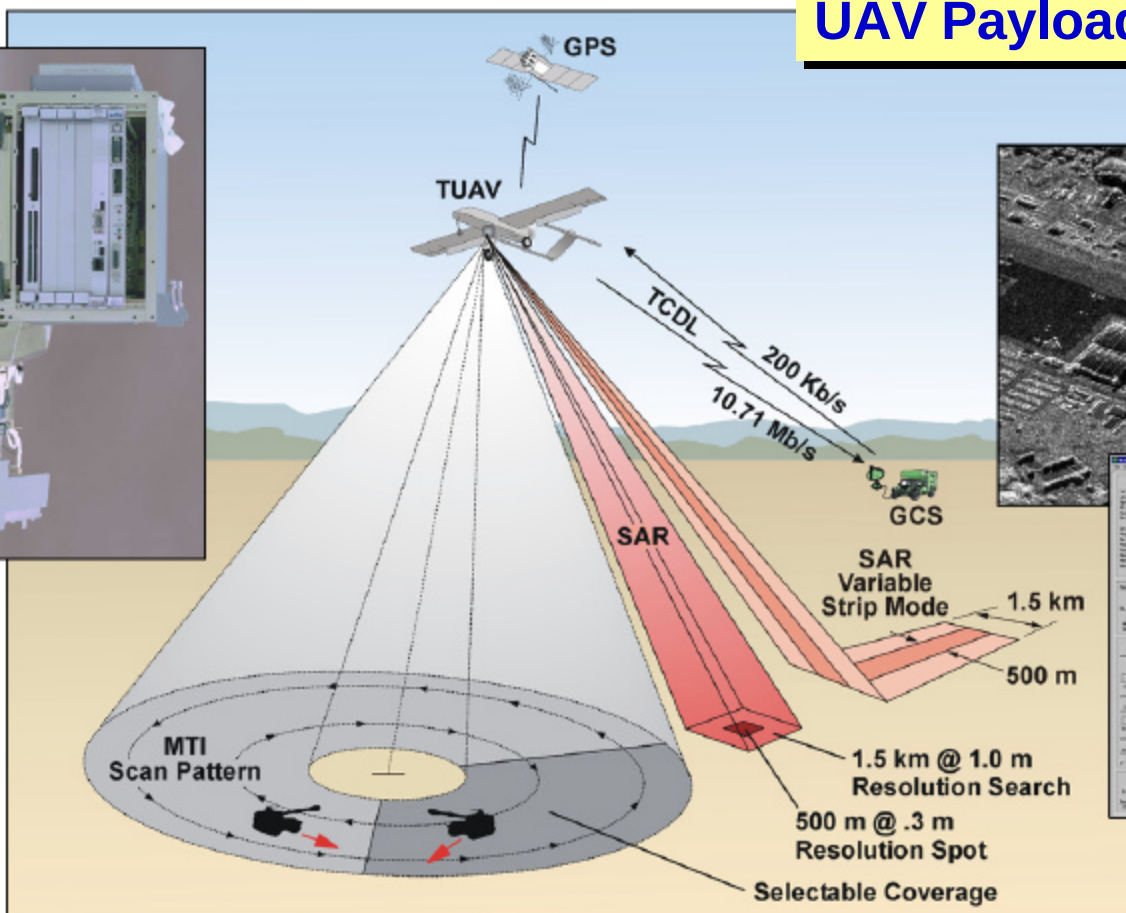
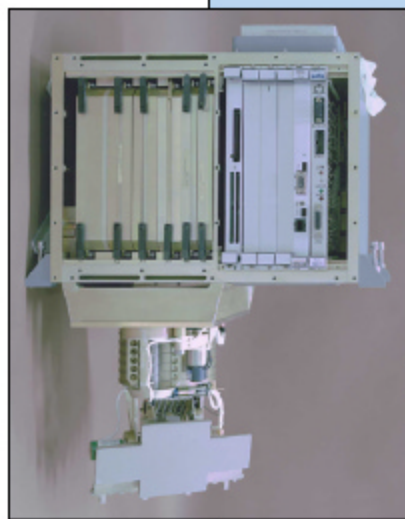
**Lightweight Laser Designator
Rangefinder (LLDR)**

PM Robotic & Unmanned Sensors

Current Business



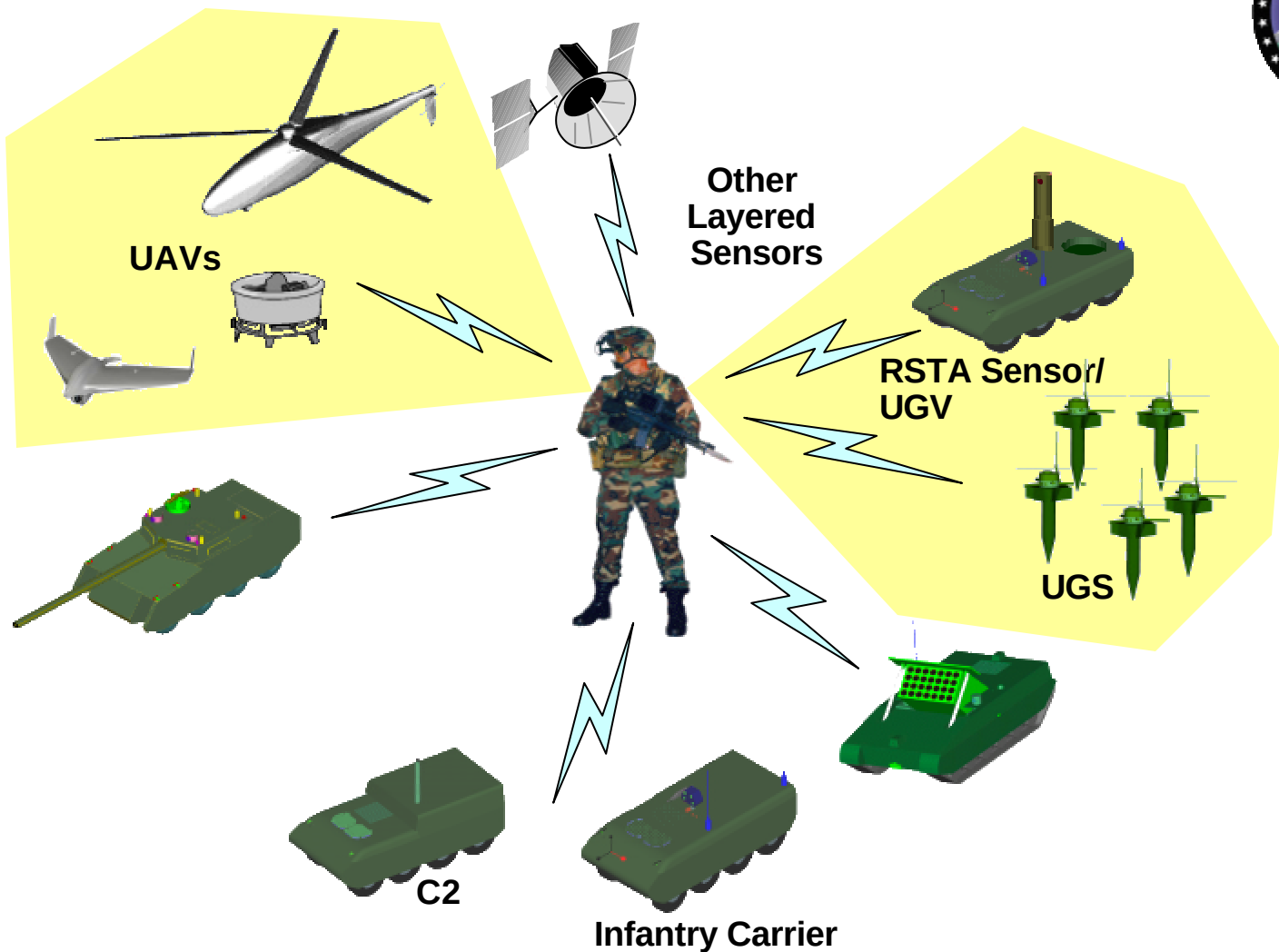
UAV Payloads



Synthetic Aperture Radar/ Moving Target Indicator (SAR/MTI)

Robotic & Unmanned Sensors

Future Opportunities





**Firefinder
(AN/TPQ-36(V)8)**



**Firefinder
(AN/TPQ-37(V)8)**

Artillery Locating Radar



**Firefinder
(AN/TPQ-47)**

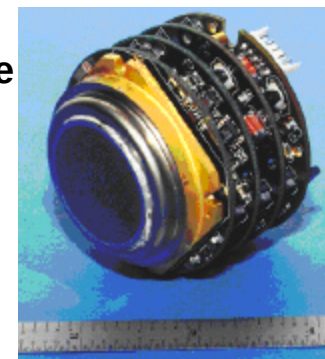
Future Programs

Uncooled Lightweight Thermal Module – B-Kit



Figure 1 – Boeing Microbolometer

Figure 2 – Nytech Camera Core



Some Examples

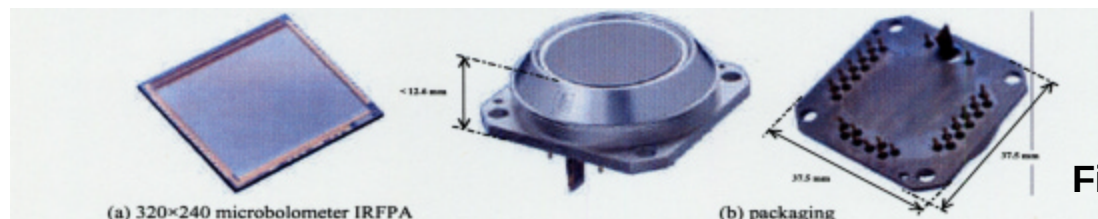
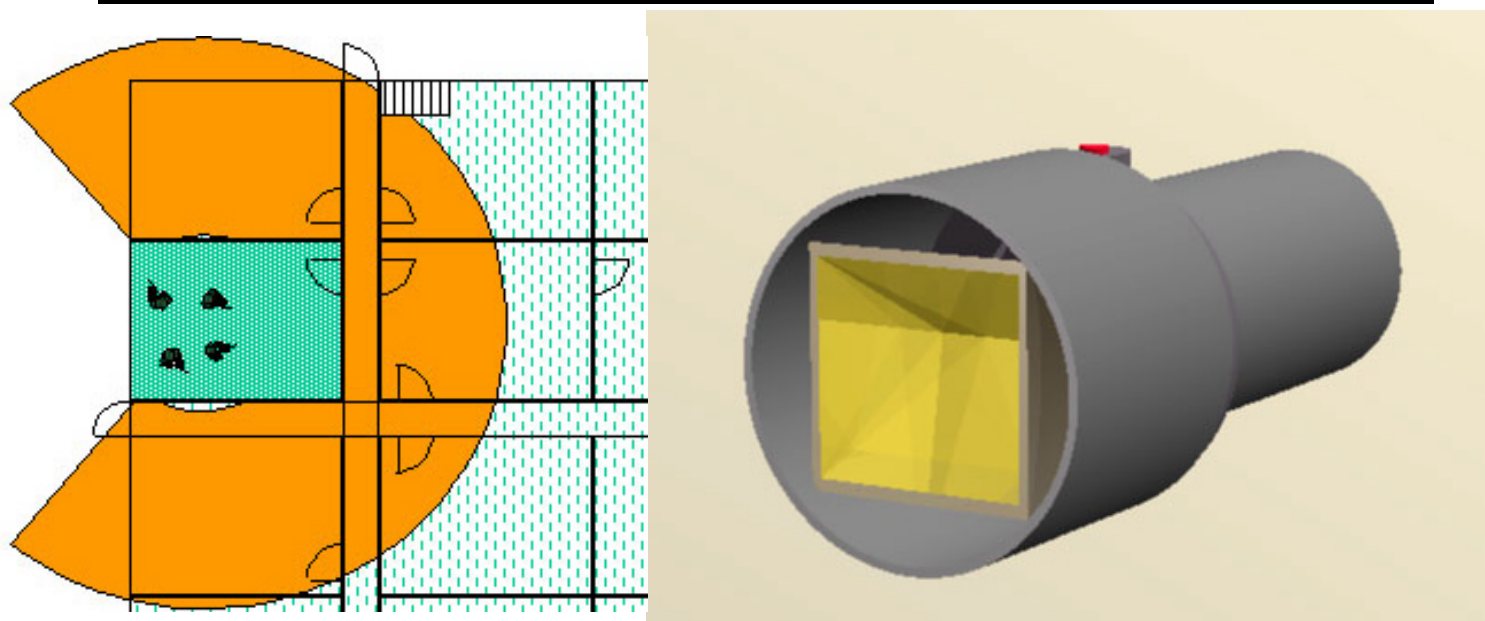


Figure 3 – Sofradir Microbolometer

- Uncooled B-Kit is a light weight, infrared module, that interfaces to the optics and electronics of various systems.
- Presently no standard exists for the lightweight thermal detector in industry. These thermal detectors are different from each other and can only be used with specific optics and electronics.
- The development of a lightweight thermal detector B-Kit standard will encourage competition and reduce costs.

Hand Held Sense through the Wall (STTW) Scanner



- Hand Held STTW Scanner is a light weight, stand alone, STTW device that provides infantry the capability of detecting people through building walls, ceilings, and floors.
- Hand Held STTW Scanner is the first in a series of STTW devices leveraging technologies assembled in National Institute of Justice coordinated research.
- Follow on STTW devices will provide enhanced capabilities on vehicular and unmanned platforms through HTI.



Thermal Omnibus II TWS Characteristics



- **Lightweight Day/Night Thermal Target Acquisition System**
- **Operates in Adverse Weather and Dirty Battlefield Conditions**
- **Provides Surveillance and Target Acquisition Capability for Individual and Crew Served Weapons**
- **Light and Medium Versions:**

	<u>Light TWS</u>	<u>Medium TWS</u>
Weight (lbs.)	2 (obj.) - 3 (threshold)	3.5 – 5
Field of View (° min)	14	6/18 switchable
Range (M, clear air, man tgt)	550	1100

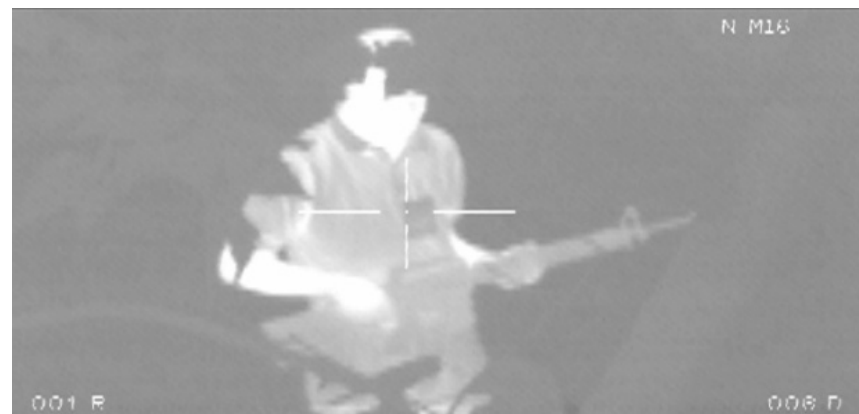
- **Desired Enhancements**

Lower Weight, Power, Operations & Support Costs

Increased Reliability, Range, Field of View

Path for Technology Improvement Insertion

Thermal Weapon Sight (TWS) AN/PAS-13



Thermal Omnibus II DVE Characteristics

- Thermal Imaging Device to Aid Driving of Tactical Wheeled Vehicles and Combat Vehicles
- Enhances Vehicle Movement During Daylight, Darkness, Adverse Weather, and Dirty Battlefield Conditions
- System Consists of “A” and “B” Kits Comprised of Vehicle Installation/Mounting Hardware, Sensor, and Display/Control
- Supports Detection of 22 Inch Object at 110 Meters
- Required Minimum Field of View: 20° Vertical, 40° Horizontal
- Desired Enhancements
 - Increased Field of View, Better Depth Perception
 - Improved Limited Visibility Operations, High Resolution Display
 - Increased Reliability, Reduced Operation & Support Cost
 - Ability to Incorporate Technology Improvements Such As Multi-Spectral Image

Driver's Vision Enhancer (DVE) AN/VAS-5



Hard Top HMMWV



Soft Top HMMWV



Visible

Thermal

Mounts

View Through DVE

Thermal Omnibus II Contract Opportunity

Objective:	Procurement of Light and Medium Thermal Weapon Sights (TWS) and Driver's Vision Enhancers (DVE)
Contract Type:	Firm Fixed Price, 3-Year Multi-Year w/ Basic Quantity and Options in Each Year, 2 Year Option (Total 5 Years), One or More Awards
Estimated Value:	Basic ~ \$82-92M (qtys: ~ 3500 LTWS, 2000 MTWS, 2500 DVE); Total Options ~ \$200M
Key Milestones:	1QFY03 RFP Release, 2QFY03 Contract Award, 1QFY04 First Deliveries
Technical Contact:	Mr. Daniel Kitts (TWS) 703-704-1292 Mr. Joseph Brooks (DVE) 703-704-1251
Acquisition Contact:	Ms. Deborah Gilligan 732-532-5454
Solicitation # or RFQ #:	TBD

Thermal Omnibus II TWS & DVE





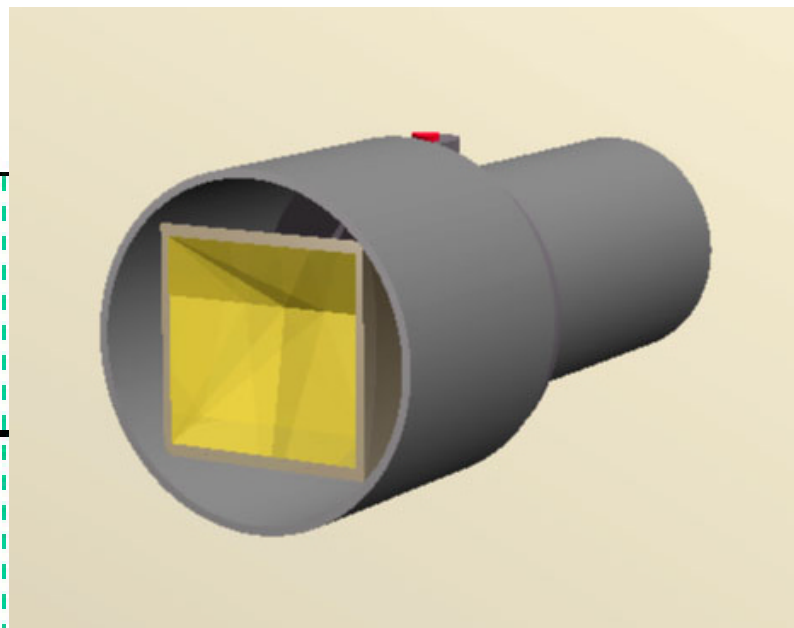
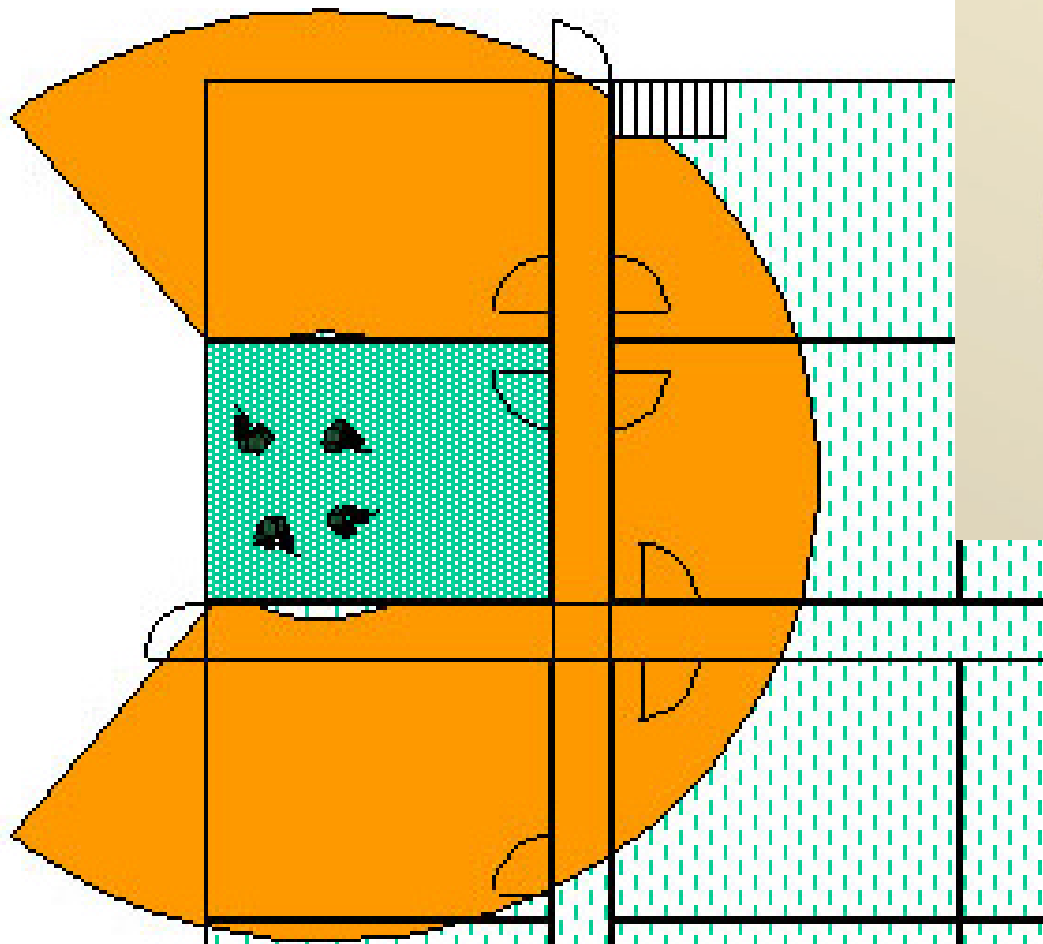
Sense Thru The Wall (STTW)

Characteristics



- **Lightweight System to Detect Humans on the Opposite Side of Walls**
- **Operates in Adverse Weather and Dirty Battlefield Conditions**
- **Performs Close Range Surveillance**
- **Performance Parameters: TBD**
- **Operational Requirements Definition Underway at Ft Benning, GA.**
- **CECOM I2WD Performing Technical Management of the System Development**

Sense Thru The Wall (STTW) Scanner



Sense Thru The Wall (STTW)

Contract Opportunity

Objective: Perform Concept Studies Leading to Milestone B Decision for the First Sense Thru The Wall Infantry System

Contract Type: Broad Area Announcement, One or More Awards

Estimated Value: TBD

Key Milestones: 2QFY03 RFP Release, 2QFY03 Contract Award

Technical Contact: Mr. Robin Whitworth (703)704-1391

Acquisition Contact: TBD

Solicitation # or RFQ #: TBD

**Project Manager
Night Vision/Reconnaissance,
Surveillance and Target Acquisition
ATTN: SFAE-IEW&S-NV
10221 Burbeck Road
Ft. Belvoir, VA 22060-5806**

**Comm: 703-704-3447/3450
(DSN: 654)**

**Website address-
*<http://peoiews.monmouth.army.mil/nvrsta>***

Program Executive Officer Enterprise Information Systems

COL Scipio de Kanter

Deputy PEO EIS

703-806-4200

Scipio.deKanter@eis.army.mil

Automatic Identification Technology

AIT II Contract

RFID Contract

2700 Palm
Computing ID/2D

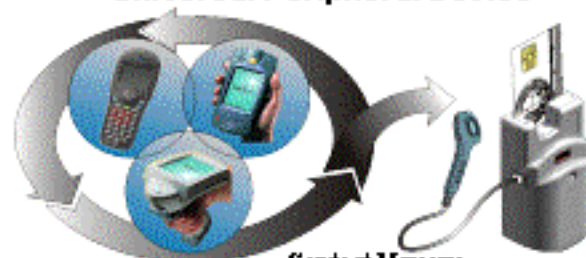
Portable Data
Terminal
7200 1D/2D

Portable Data
Terminal
7500 1D/2D

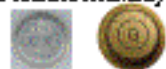
OPTICAL MEMORY
CARD



Universal Peripheral Device



Contact Memory



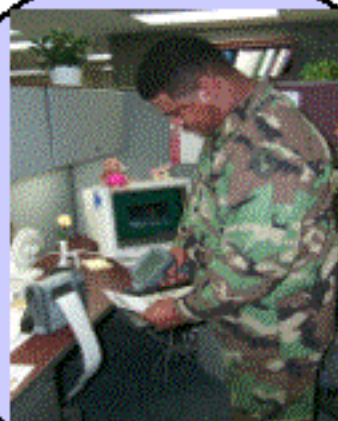
BARCODE
LABEL PRINTERS



Wireless LAN
PC CARD



MAGNETIC
STRIPE
READER



IC/SMART CARD



OFFERED ON BOTH CONTRACTS

TRAINING



SOFTWARE



MAINTENANCE



TECHNICAL
SERVICES



ACTIVE HAND-HELD
INTERROGATOR



RFID FIXED
INTERROGATOR



DOCKING STATION
WITH TAG

Automatic Identification Technology III

□ AIT Systems Acquisition, Integration, Support Services

➔ **Hardware:** Data Collection Devices, Barcode Scanners, Printers, Access Points, Encoders/Readers for Magnetic Stripe Optical Memory Cards, Contact / Memory Devices, Biometrics equipment.

➔ **Software:** AIT Device-related Operating Systems, Commercial and Special Applications, Wireless Communications Support.

➔ **Systems Support:** Warranty, Maintenance, Integration, Training.

□ Equipment Operations in Tactical & Non-Tactical Environments

□ Supports Asset Management and Total Asset Visibility Efforts

□ Provides Batch & Wireless Data Collection Concepts

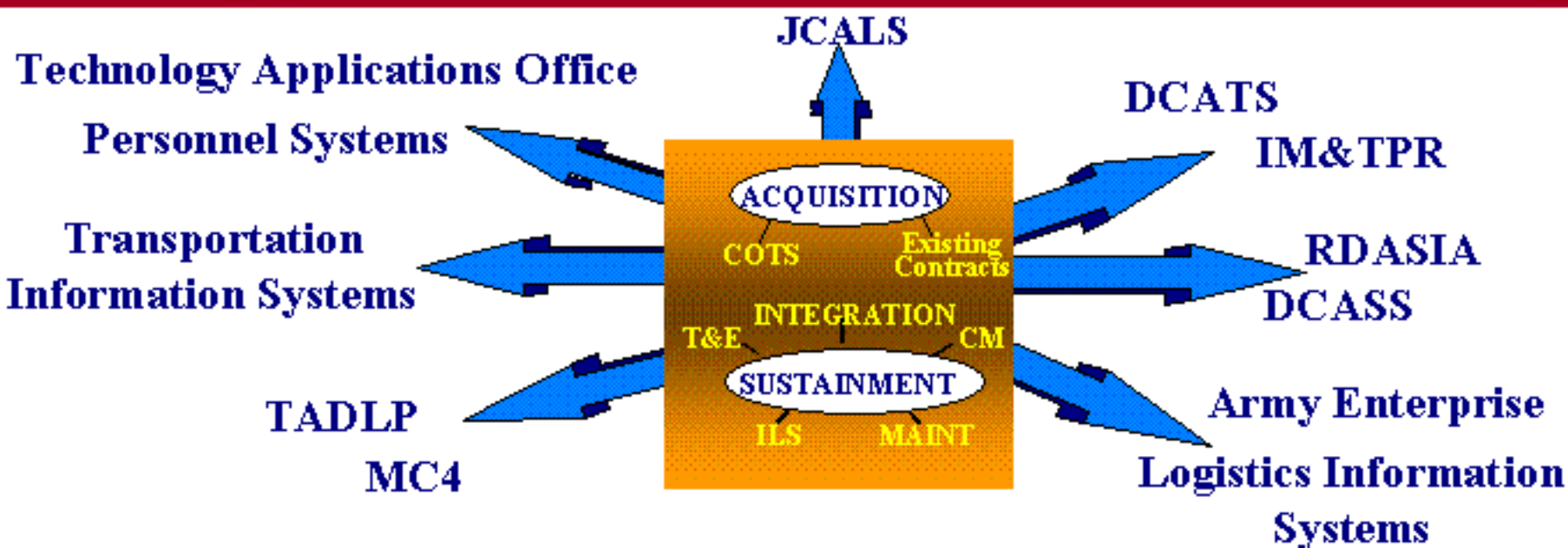
□ Worldwide AIT Systems Support

AIT III Contract

- **OBJECTIVE:** Acquire Commercially Available AIT Hardware, Software, and Support Services for PEO EIS, Army, Air Force, DoD, Marine Corps, Coast Guard, Navy, other Federal Agencies, and foreign military sales.
- **CONTRACT TYPE:**
 - Indefinite Delivery/Indefinite Quantity (IDIQ)
 - Firm Fixed Price
- **ESTIMATED VALUE:** \$200-300 Million, over 10 years
- **KEY MILESTONES:**
 - RFP Release: 4Q FY 2003
 - Contract Award: 4Q FY 2004
- **TECHNICAL CONTACT:** Mr. Stephen Morrow,
(703) 806-4116
- **ACQUISITION CONTACT:** Ms. Gloria McGee, CAC-W,
(703) 325-2927

PEO EIS Computer Contract

Supporting our Enterprise of Programs



Benefits



PC



Peripherals



Laptop



Printers



CAC/PKI



Tactical Systems

- Latest Proven Technology
- Integrated Solutions
- Performance Based Logistics

Fully Supported and Provisioned Hardware Systems Using Industry Standard COTS Products

- ☐ **Follow-on Contract to our existing PEO EIS STAMIS Tactical Computers Contract (SCC-II), ending in FY 02**
- ☐ **Key element of the Army Small Computer Program (ASCP), Information Technology Enterprise Solutions (ITES)**

PEO EIS Computer Contract

□ Strategy:

- **Consolidate our existing SCC-II contract requirements with our ASCP ITES solicitation**
- **Provide our PEO EIS program offices with a single Point of Contact for acquisition support for Information Systems hardware and software.**
- **Includes related services for Information Systems fielding, installation, integration, asset management, and warranty support.**

□ Challenges:

- **Army Transformation and Army Enterprise Objectives**
- **Web Based Systems (DRID 54)**
- **Technology Changes**
- **Security Requirements**

PEO EIS Computer Contract

- ☐ **OBJECTIVE:** Acquisition of commercially available Information Systems hardware and software solutions to support PEO EIS programs
- ☐ **CONTRACT TYPE:** Indefinite Delivery/Indefinite Quantity (IDIQ) w/supporting competitive task orders issued on Firm Fixed-Price (FFP), Cost Reimbursable, and Time & Material (T&M) basis
- ☐ **ESTIMATED VALUE:** \$500-750 million, over Five Years
- ☐ **KEY MILESTONES:** RFP Release: 3Q FY 2002
Contract Award: 4Q FY 2002
- ☐ **TECHNICAL CONTACT:** Linda Thomas, 703-806-3032
- ☐ **ACQUISITION CONTACT:** Barbara Trujillo, CAC-W,
703-323-3341
- ☐ **SOLICITATION #:** DAAB15-02-R-0015

Program Executive Officer Enterprise Information Systems

Additional Information

Army Enterprise Infostructure Transformation (AEIT)

☐ Supporting the Goals of Army Enterprise.

- A synchronization of AEIT efforts
 - **Implementing Enterprise Management Solutions**
 - **Implementing Windows 2000/Active Directory**
 - **Migration to Exchange 2000**
 - **Conducting Server Consolidation and Network Upgrades**
 - **Web enabling and PKI enabling of applications**
 - **Functional Application Consolidation**
 - **AKO portal maturity efforts**
 - **Establishing / Supporting users with Service Level Agreements**
 - **Enterprise level S/W licensing agreements and H/W contracts in place**
 - **Perform Business Case Analyses**
 - **Perform implementation and Support Services**
 - **Ensure AEI solutions that are fielded to the sustaining base and tactical environments conform to the Enterprise Architecture**

An Ongoing Implementation

- Military District of Washington Implementation and Acquisition Strategy.

- Windows 2000/Active Directory
- Server Consolidation
- Enterprise Management / Help Desk
- Service Level Agreements

- 1000 users by July 02; 10,000 users by Nov 02

- H/W Procurements
- Business Case Analyses
- Implementation Contracts
 - Analysis, Design, Integration, Testing

Way Ahead Strategy

- Regional Approach (Follow NETCOM Regional Approach).
- 25 Installations (or 2 regions approx.) per Year, over multiple years.
- Includes:
 - Baseline Assessments
 - Business Case Analyses
 - On-site design and implementation
 - Win 2K/AD
 - Server Consolidation
 - Enterprise Management
 - S/W and H/W life cycle support

An Alternate Contract Opportunity

- ☐ **Acquire Commercially Available Information systems, related Hardware, Software, and Integration, Deployment, Training and Support Services for PM Army Enterprise implementations.**
- ☐ **Use Existing Blanket Purchase Agreements (BPAs), and IDIQ contracts.**
- ☐ **Separate, Multi-Million Dollar Contracts over multiple years.**
- ☐ **Phased implementation and release of RFQs.**



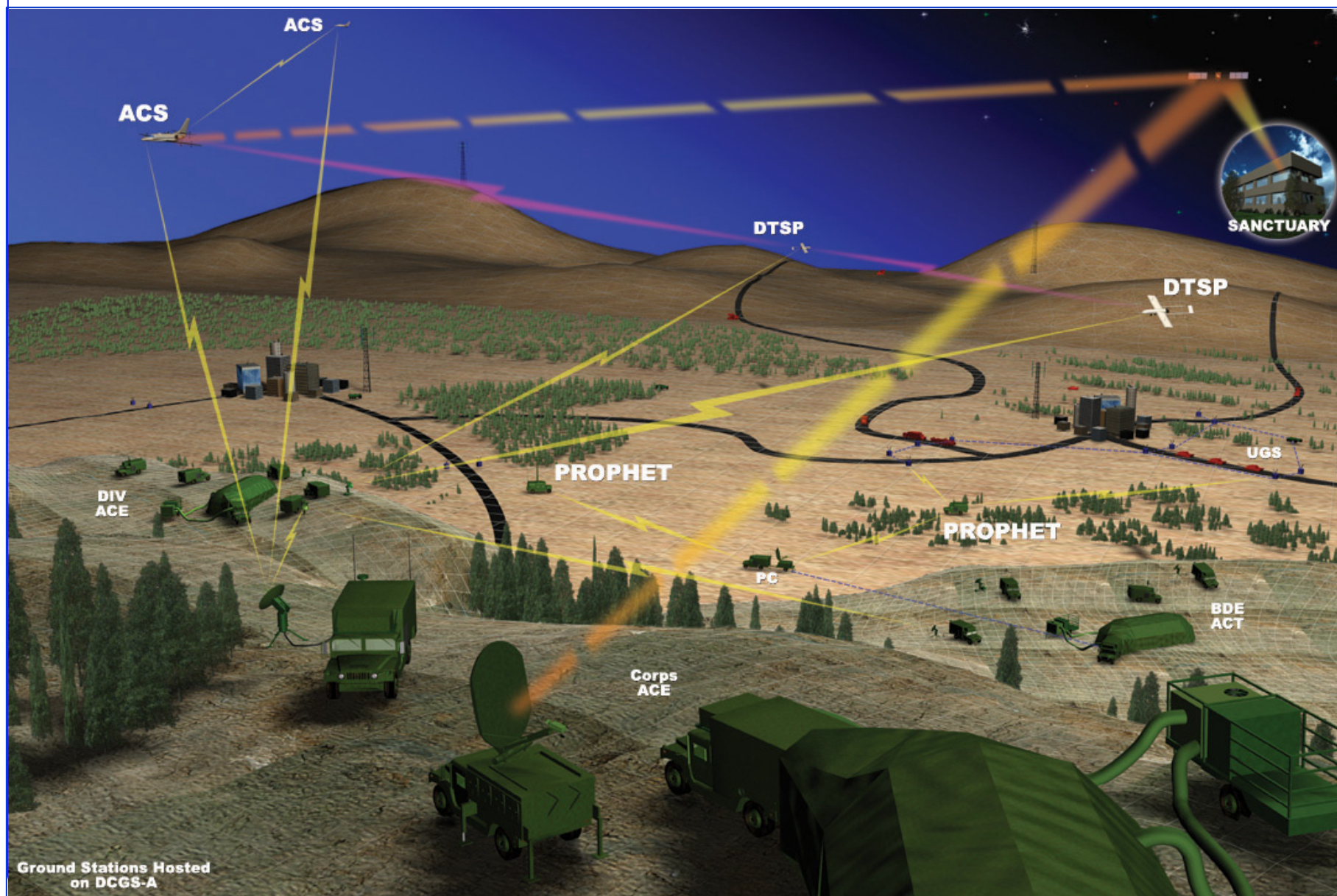
PM Signals Warfare Contract Opportunities

Christian Keller

Deputy Project Manager Signals Warfare

732-427-1800

christian.keller@IEWS.monmouth.army.mil



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)

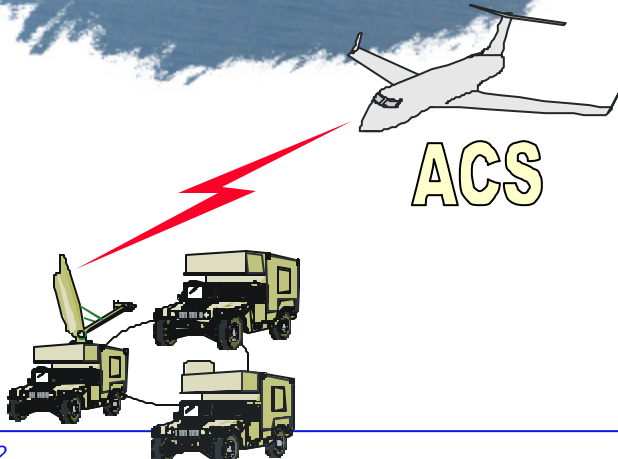
- *Full ISR Wartime Capability*
- *Support OOTW, Counter Narcotic, and Emergency/Natural Disaster Operations*
- *FLIR, IRLS, DIS, MTI/SAR and COMINT Sensor Suites*
- *On-Board Operators and NRT Dissemination via LOS and SATCOM*

ACS



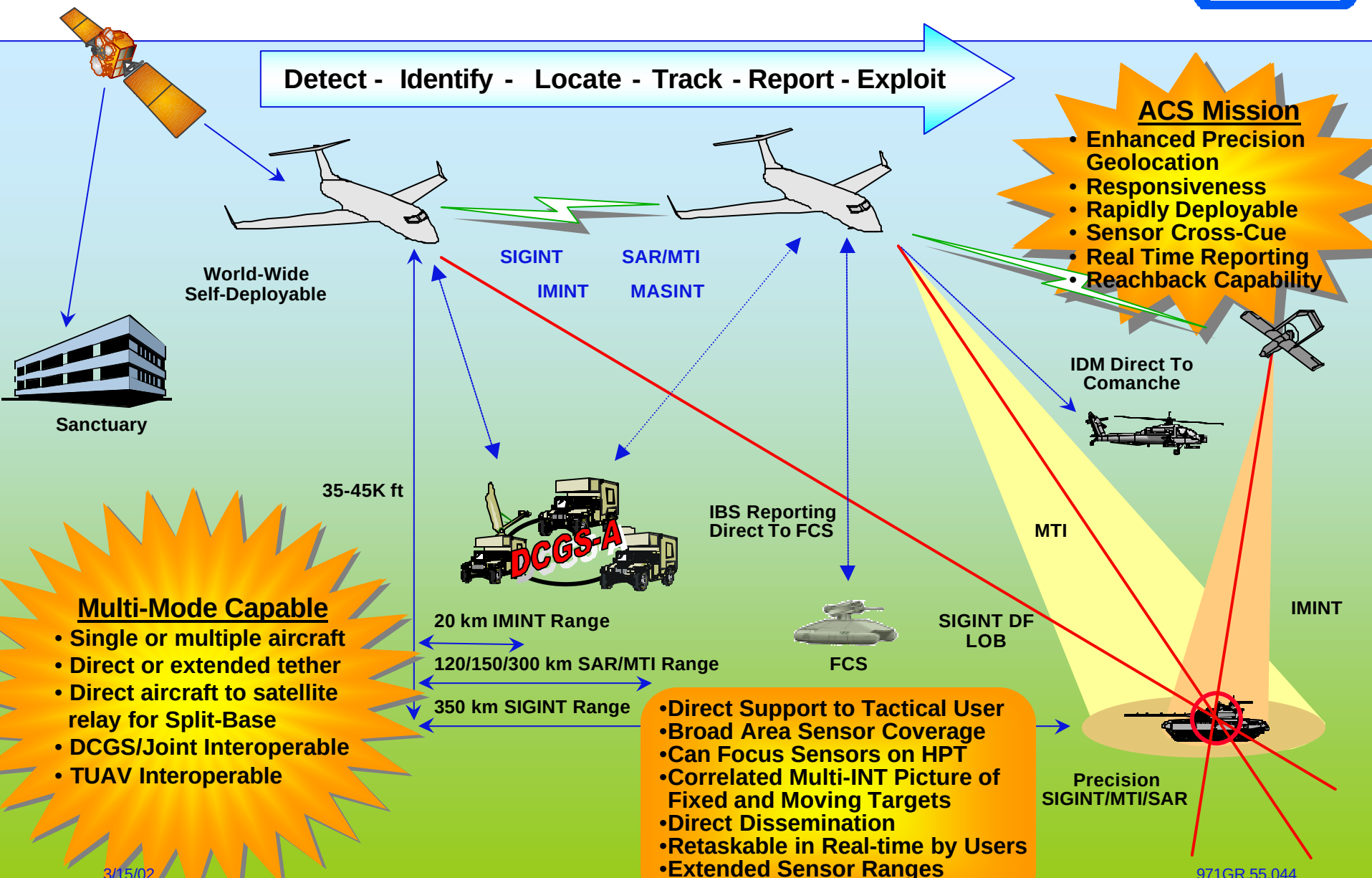
Aerial Common Sensor (ACS) - "The Future"

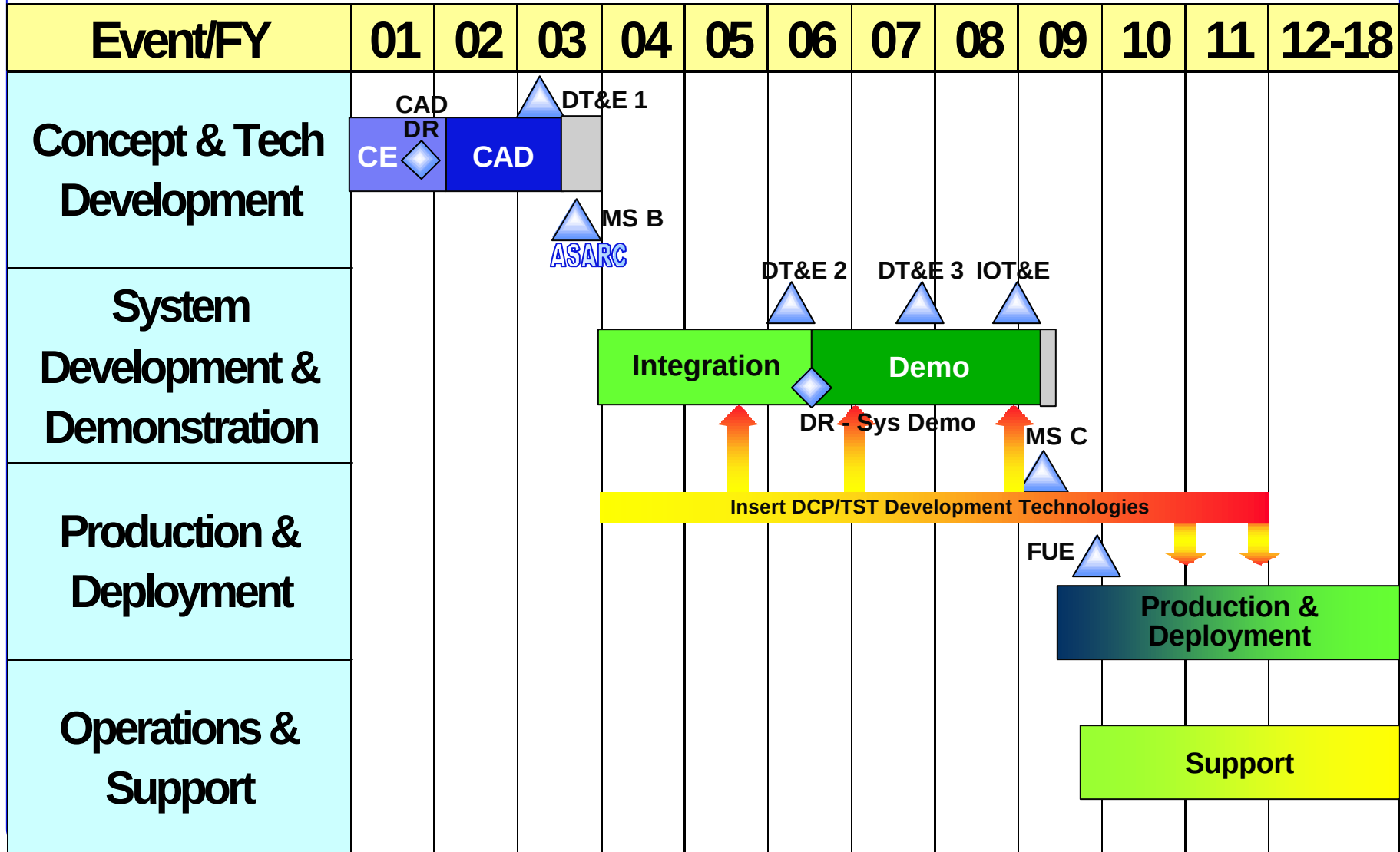
- *Enhanced Precision Location*
- *Rapidly Deployable*
- *Increased on Station Time*
- *Extended Range*
- *Interoperable With Joint and National Systems*
- *Multi-INT - SIGINT, IMINT, MASINT (With Cross Cueing)*
- *Broadcast Dissemination*
- *DCGS-A Ground Station*



Aerial Common Sensor

Operational Concept - Corps/Division Support







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)**

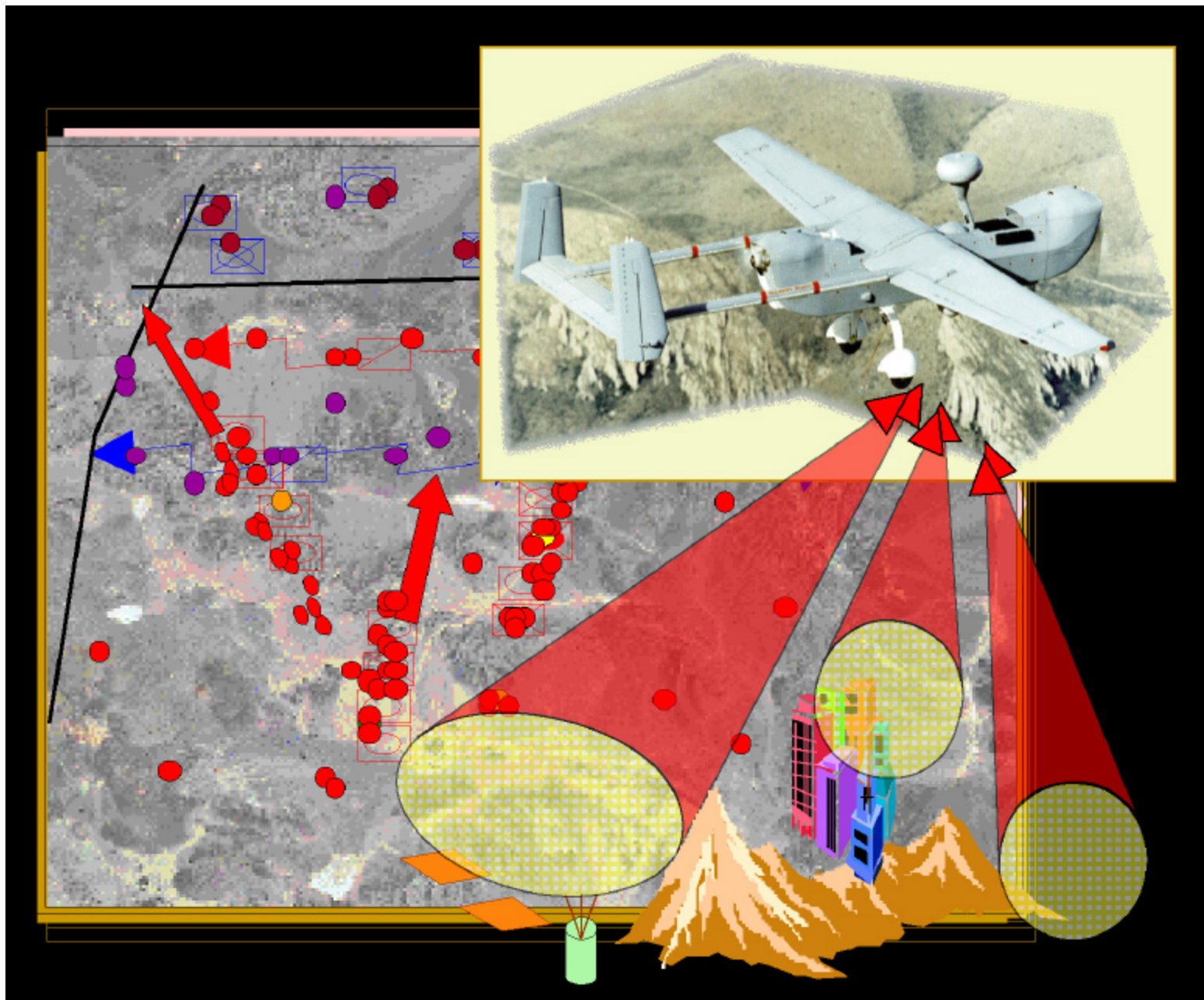


DCGS-A SIGINT & Signatures Enclaves

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.

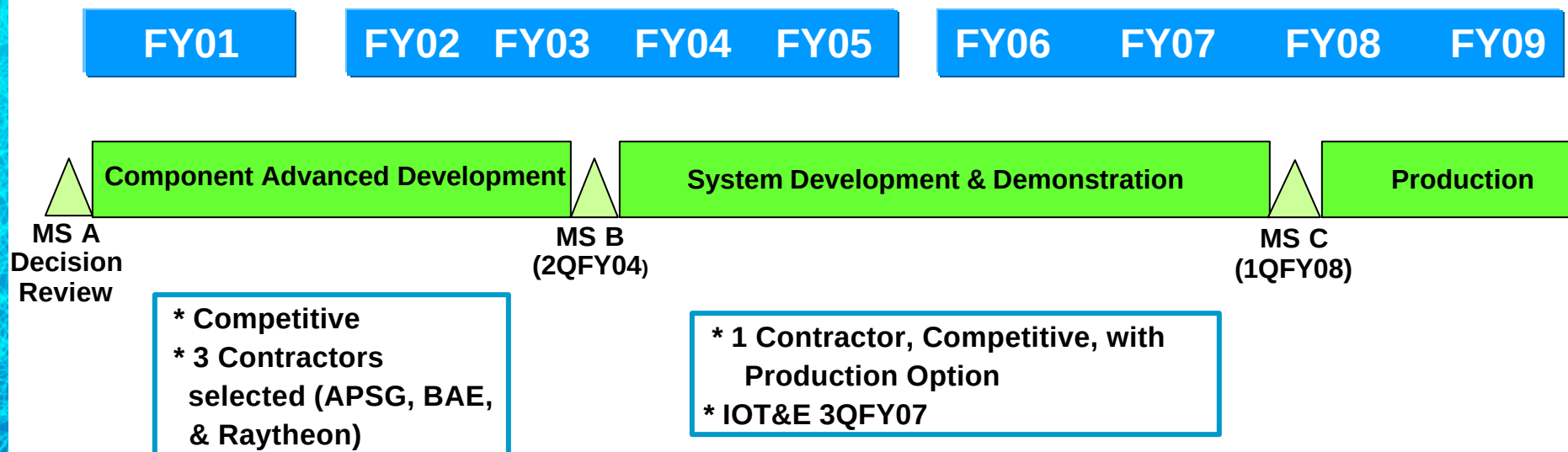


Division Tactical UAV SIGINT Payload (DTSP) System Characteristics





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



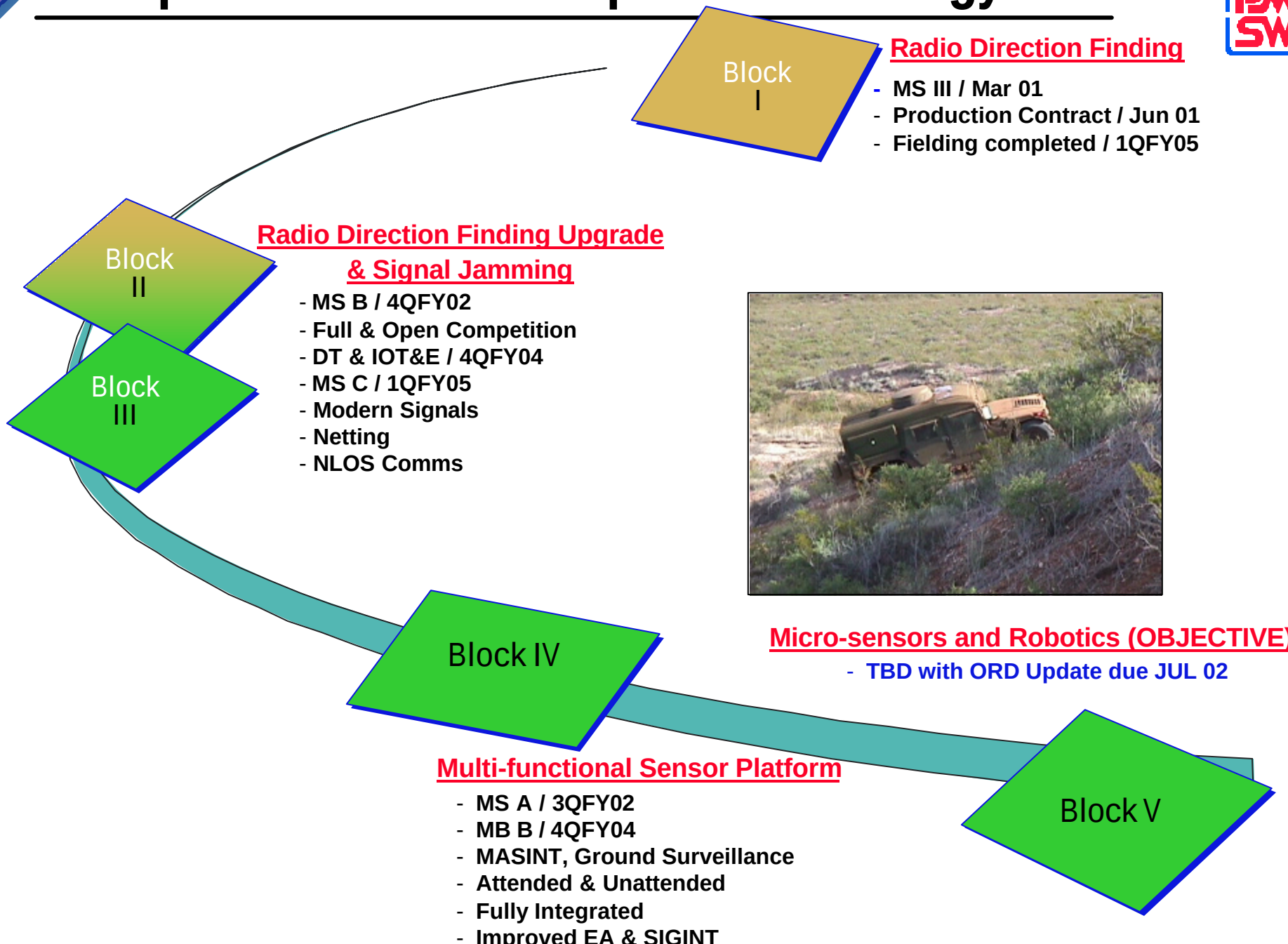


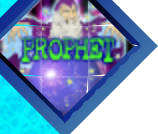
Division Tactical UAV SIGINT Payload (DTSP) Contract Opportunities

- **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

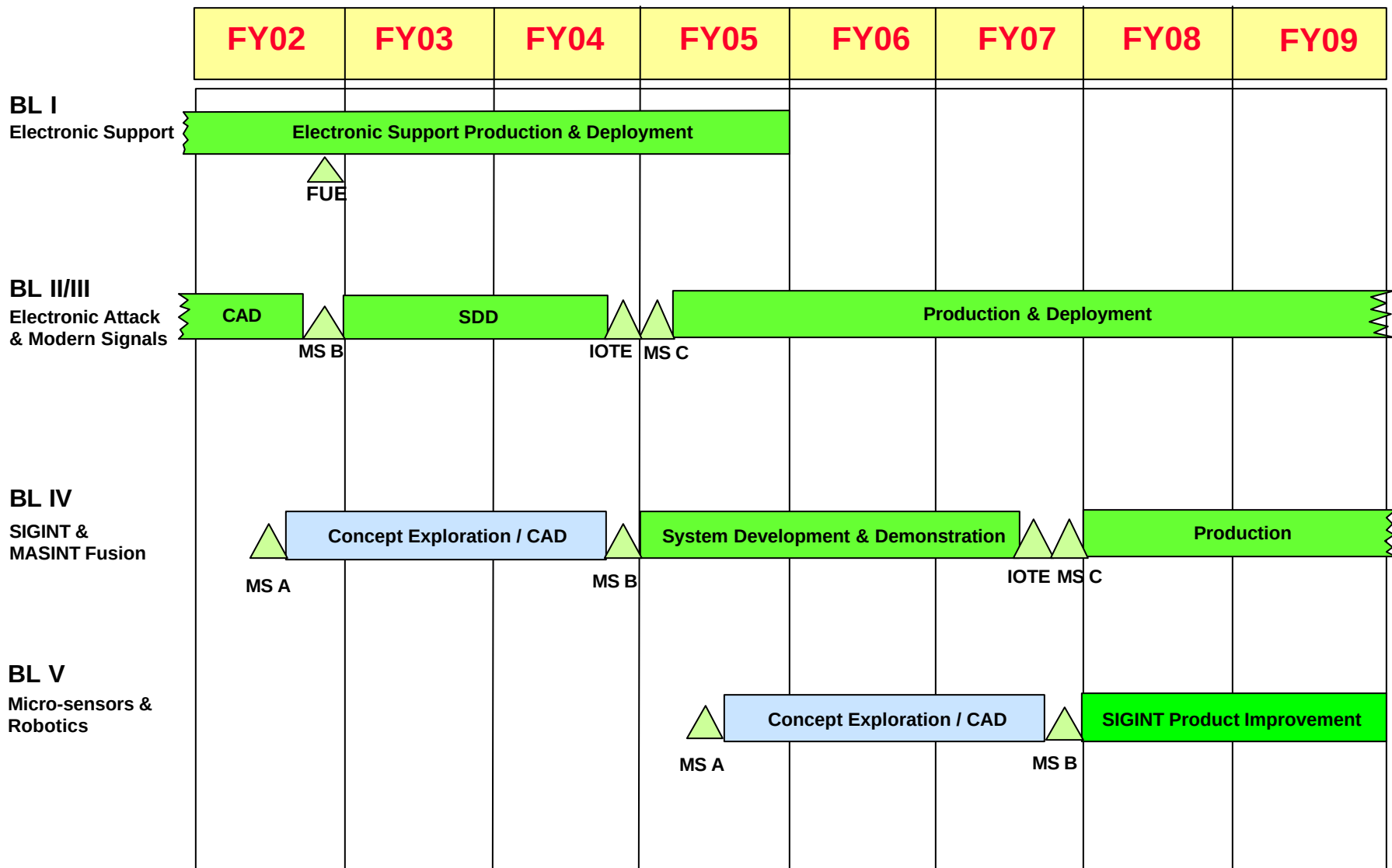


Prophet: Five Block Acquisition Strategy





Prophet Scheduling





Prophet Block II/III Contract Opportunities

- **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



Prophet Block IV Contract Opportunities

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



PM Signals Warfare Contract Opportunities

Christian Keller

Deputy Project Manager Signals Warfare

732-427-1800

christian.keller@IEWS.monmouth.army.mil



Mr. Anthony LaPlaca

**Director,
CECOM Logistics and Readiness Center**

(732)532-5757

anthony.laplaca@mail1.monmouth.army.mil



Long-Term Contract Definitions

- ☐ **Flexible Long Term Contract (FLTC):** range quantity contracts of three or more years covering the production and/or repair of one or more spare parts.

- ☐ **Indefinite Delivery Indefinite Quantity (IDIQ) Contract:** a vehicle that provides for an indefinite quantity, within stated limits, of specific supplies or services during a fixed period, with deliveries to be scheduled by placing orders with the contractor. The Government is obligated to a stated minimum. Funds other than the minimum are obligated at the time of subsequent orders.

- ☐ **Requirements Contract:** An instrument that provides for filling all purchase requirements of designated Government activities for specific supplies or services during a specified contract period with deliveries to be scheduled by placing orders with the contractor. No money is obligated at award; funds are obligated when delivery orders are written. There is no guaranteed minimum quantity.



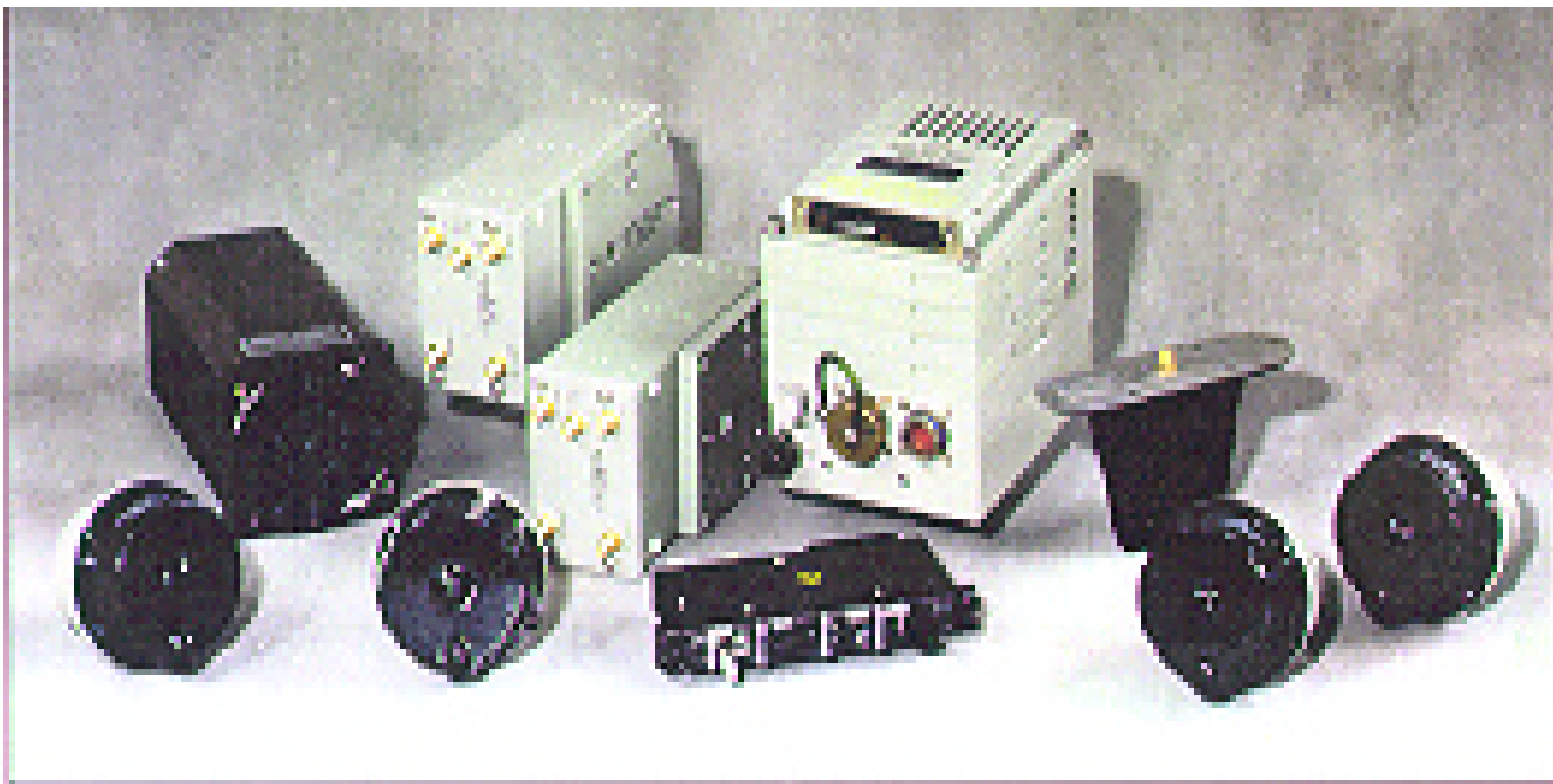
FLTCs Projected for FY02-03

- ☐ AN/APR-39(V) Radar Warning Receiver Spares
- ☐ AN/APN-209 Receiver-Transmitters
- ☐ Fiber Optic Gyro System (FOGS)
- ☐ Ultralightweight Camouflage Net System (ULCANS)
- ☐ Non-Rechargeable Batteries – Next Gen II
 - Large Cell Lithium Manganese Dioxide Group
 - Rectangular Lithium Manganese Dioxide Group
- ☐ SATCOM Antennas
- ☐ AS-3916 Antenna and Component
- ☐ AS-3900A Antenna and Components
- ☐ SINCGARS Components
- ☐ Loudspeaker for AN/VIC-3
- ☐ Headset Electrical for PI CVC

CECOM Bottom Line: THE WARFIGHTER



Spares for the AN/APR-39A(V) Radar Warning Receiver



CECOM Bottom Line: THE WARFIGHTER



Spares for the AN/APR-39A(V) Radar Warning Receiver

- ☐ Provides warning of radar directed air defense threat systems
- ☐ Upgraded version of the AN/APR-39A(V) system.
- ☐ Utilizes a digital processor, alphanumeric display and a synthetic voice to warn pilot
- ☐ Applicable Aircraft: AH-1F, AH-64A/D, CH-47D, UH-60A/L, UH-60Q (MEDEVAC), MH-60K, OH-58C&D.

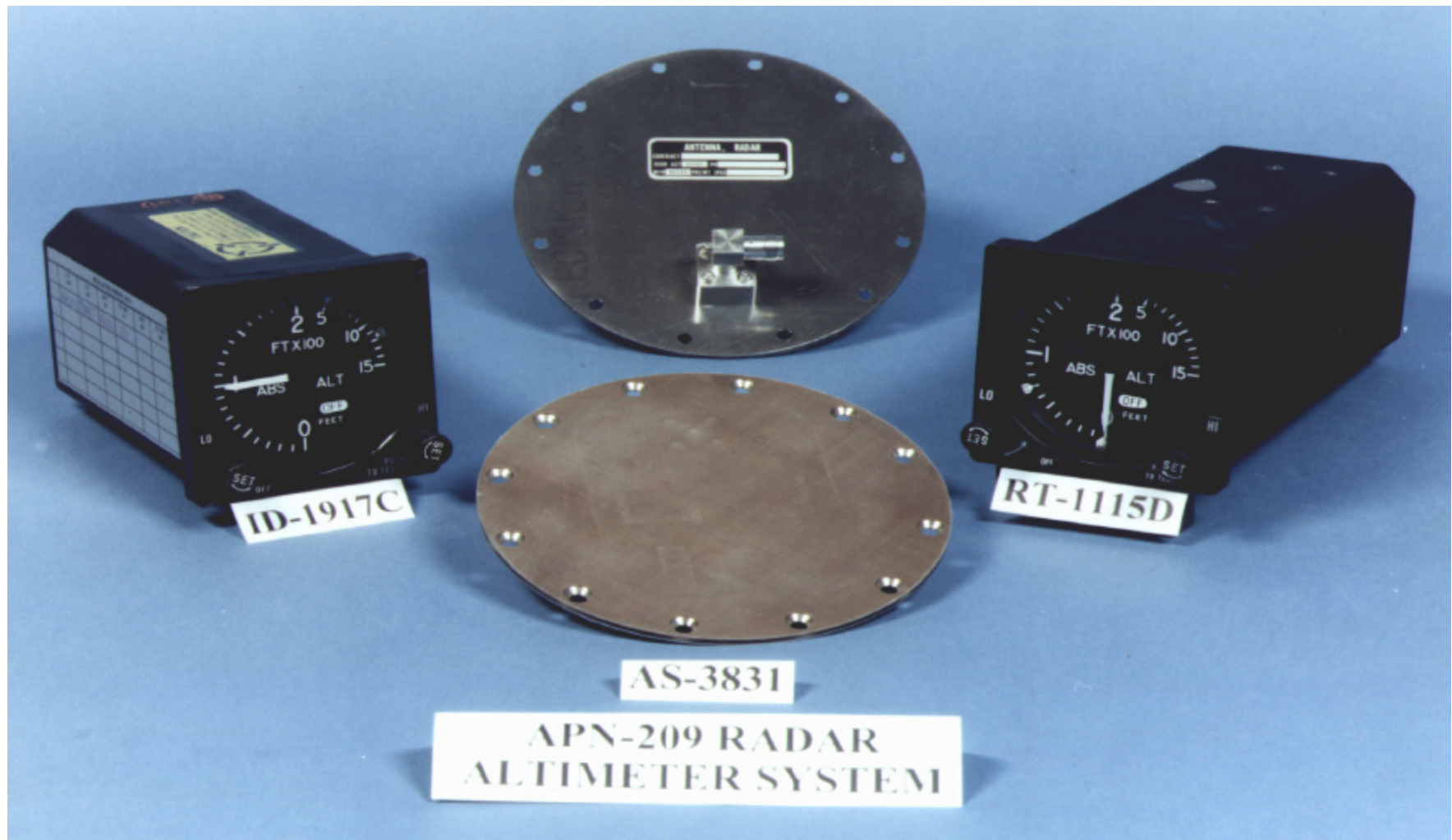


Spares for the AN/APR-39A(V) Radar Warning Receiver

- ❑ Objective: To recompetete the current spares contract (22 NSNs)
- ❑ Contract Type: IDIQ, Best Value, 10 years
- ❑ Estimated Value: \$1M-\$20M
- ❑ Key Milestones: RFP: May 2002
Award: Aug 2002
- ❑ Technical Contact: Samuel Rummel, 732-427-5154
- ❑ Acquisition Contact: Kevin Coakley, 732-532-5416
- ❑ Solicitation #: DAAB07-02-R-B655



AN/APN-209 Receiver-Transmitters





AN/APN-209 Receiver-Transmitters

- ☐ AN/APN-209 consisting of: RT-1115J, 5841-01-421-4162 and RT-1411B, 5841-01-421-4161.
- ☐ The AN/APN-209 (V) is an absolute altimeter that provides an accurate indication of the altitude of an aircraft over all types of terrain.
- ☐ Provides safe Nap-of-the Earth flying capabilities for helicopters.
- ☐ Voice warnings are provided when the aircraft is above or below certain fixed or pilot adjustable altitudes



AN/APN-209 Receiver-Transmitters

- ☐ Objective: To award a Firm Fixed Price contract.
- ☐ Contract Type: IDIQ, Best Value, 5 years
- ☐ Estimated Value: \$180K-\$3M
- ☐ Key Milestones: RFP: May 2002
Award: Nov 2002
- ☐ Technical Contact: David Savitsky, 732-532-1627
- ☐ Acquisition Contact: Kevin Coakley, 732-532-5416
- ☐ Solicitation #: DAAB07-02-R-B658



Fiber Optic Gyro System (FOGS)

- ☐ Replace current legacy gyroscopes with modern NDI FOGS
- ☐ Solid State NDI Solution
- ☐ Substantial Operations and Support Cost Reduction
- ☐ Single FOGS AHRS replaces one each of the existing Directional, Vertical, and Rate Gyroscope
- ☐ Weight and Power Reduction
- ☐ Improved Operational Readiness and Mission Reliability



Fiber Optic Gyro System (FOGS)

- ❑ Objective: Best Value Production Contract
- ❑ Contract Type: IDIQ, 5 years
- ❑ Estimated Value: \$1M-\$25M
- ❑ Key Milestones: RFP: May 2002
Award: Jul 2002
- ❑ Technical Contact: Wai Louie, 732-532-4863
- ❑ Acquisition Contact: Nanette McGinley, 732-532-2024
- ❑ Solicitation #: DAAB07-02-R-B412



ULCANS



CECOM Bottom Line: THE WARFIGHTER



ULCANS

- ❑ Five year IDIQ acquisition for production of Woodland as well as Desert General Purpose Radar Scattering (R/S) & Radar Transparent (R/T) Systems and Components.
- ❑ Technical Insertion clause for future improvements and other variants.
- ❑ ULCANS is snag resistant, ultra-light weight, and provides multi-spectral concealment.



ULCANS

- ☐ Objective: Competitive follow-on Production contract
- ☐ Contract Type: IDIQ, Best Value, 5 years
- ☐ Estimated Value: \$50M-\$160M
- ☐ Key Milestones: RFP: Aug 2002
Award: Nov 2002
- ☐ Technical Contact: Russ Clingman, 703-704-3809
- ☐ Acquisition Contact: Nanette McGinley, 732-532-2024
- ☐ Solicitation #: DAAB07-02-R-B415



Next Generation II Non-rechargeable Batteries



CECOM Bottom Line: THE WARFIGHTER



Next Generation II Non-rechargeable Batteries

- ☐ Defined by MIL-PRF-49471B, (30 Nov 2000) with AMEND 1 (Draft), which completely rewrites the safety testing
- ☐ Five year IDIQ acquisition for entire family of high performance lithium non-rechargeable C-E batteries (Next Gen II)
- ☐ 4 phases: 2 solicitations remaining
- ☐ Dual awards (60/40 split) planned for each solicitation
- ☐ Sixty percent portion of each solicitation limited to domestic sources



Next Gen II – Phase 3 Large Cell Li/MnO₂

- ❑ Objective: Procure and establish production capacities of cylindrical Li/MnO₂ batteries
- ❑ Contract Type: IDIQ, Best Value, 5 years
- ❑ Estimated Value: \$920K-\$20M
- ❑ Key Milestones: RFP: Sep 2002
Award: Dec 2002
- ❑ Technical Contact: Marc Gietter, 732-532-6764
- ❑ Acquisition Contact: John Adamitis, 732-532-3473
- ❑ Solicitation #: DAAB07-02-R-A266



Next Gen II – Phase 4 Rectangular Li/MnO₂

- ☐ Objective: Procure and establish production capacities of rectangular Li/MnO₂ batteries
- ☐ Contract Type: IDIQ, Best Value, 5 years
- ☐ Estimated Value: \$3M-\$80M
- ☐ Key Milestones: RFP: Mar 2003
Award: Jun 2003
- ☐ Technical Contact: Marc Gietter, 732-532-6764
- ☐ Acquisition Contact: John Adamitis, 732-532-3473
- ☐ Solicitation #: DAAB07-02-R-A267



SATCOM Antennas



High Gain Antenna



Medium Gain Antenna



Lightweight Antenna

Note: Three SATCOM Antennas (High Gain Antenna, Medium Gain antenna, and Lightweight Antenna) and the Antenna Extensions Parts Kit, which used with Medium Gain Antenna, will be including in this IDIQ contract.



SATCOM Antennas

- ☐ 3 antennas: High Gain AS-4461, Medium Gain AS-3567, Lightweight AV-2055-3
- ☐ Used with AN/PSC-5, AN/PSC-3, MST-20 and LST-5 radios.
- ☐ Each antenna shall be mounted on a tripod that shall permit azimuth and elevation rotation.
- ☐ Operate over the frequency range of 244 to 318 MHz, 240-400 MHz, and 240-320 MHz respectively.
- ☐ Operate in winds up to 80 mph from any direction.
- ☐ Total Weight of antennas and their contents, including carrying case, is 49 lbs max, 6 lbs max and 3.1 lbs respectively.



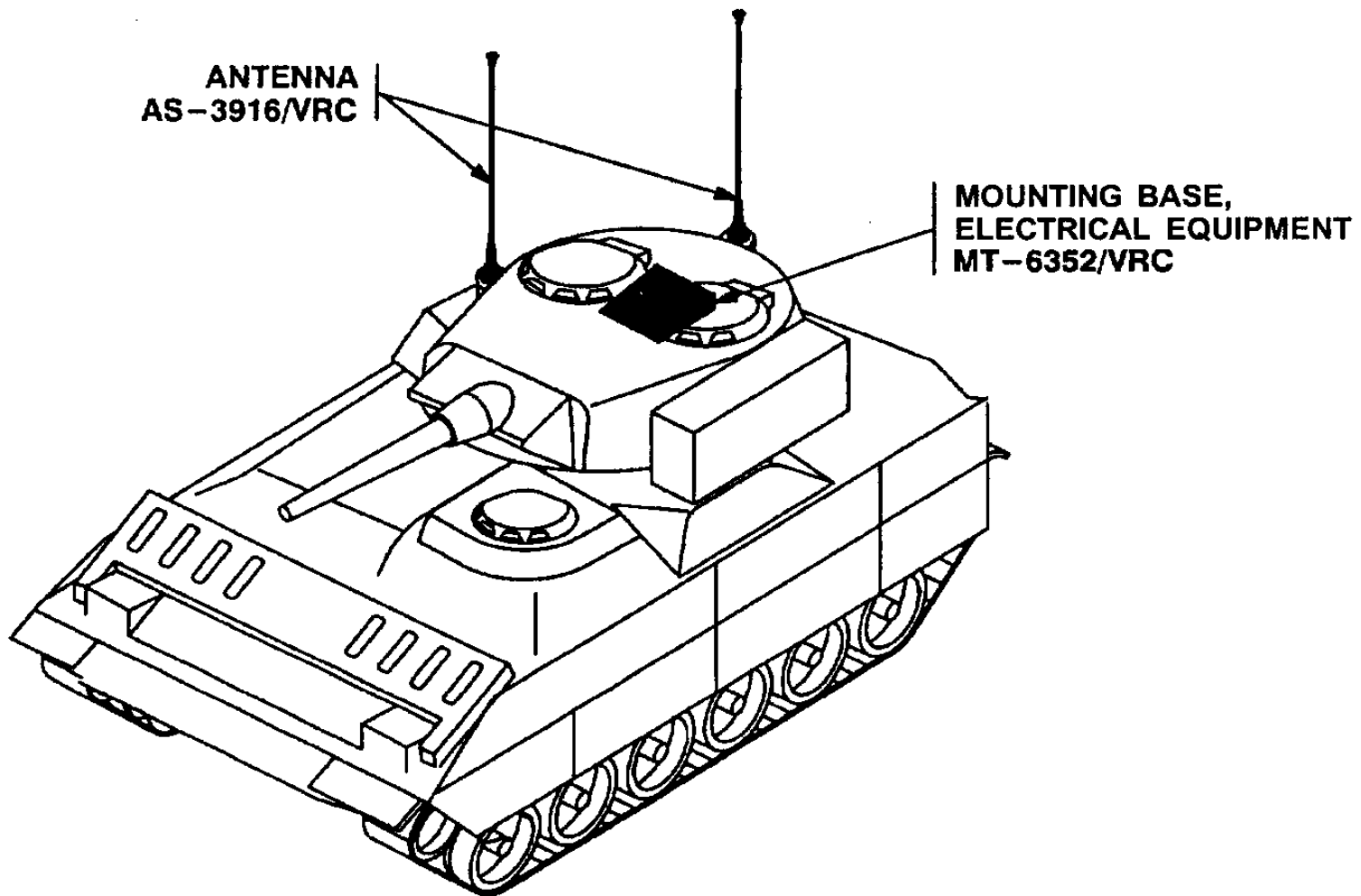
SATCOM Antennas

- ❑ Objective: Following-on contract to support all TACSAT Radio in the field.
- ❑ Contract Type: IDIQ, Best Value, 5 years
- ❑ Estimated Value: \$750K-\$1.5M
- ❑ Key Milestones: RFP: Jul 2002
Award: Nov 2002
- ❑ Technical Contact: Stanley Chan, 732-532-1862
- ❑ Acquisition Contact: Karin Bogner, 732-427-1605
- ❑ Solicitation #: DAAB07-02-R-D414



AS-3916

Antenna and Component





AS-3916

Antenna and Component

- ☐ Used with the SINCGARS systems and installed in tracked vehicles.
- ☐ Has 6 ft mono-pole steel whip, attached to a base subassembly.
- ☐ Operates over a frequency range of 30-88 MHz.
- ☐ Range capability of approximately 17 miles.



AS-3916

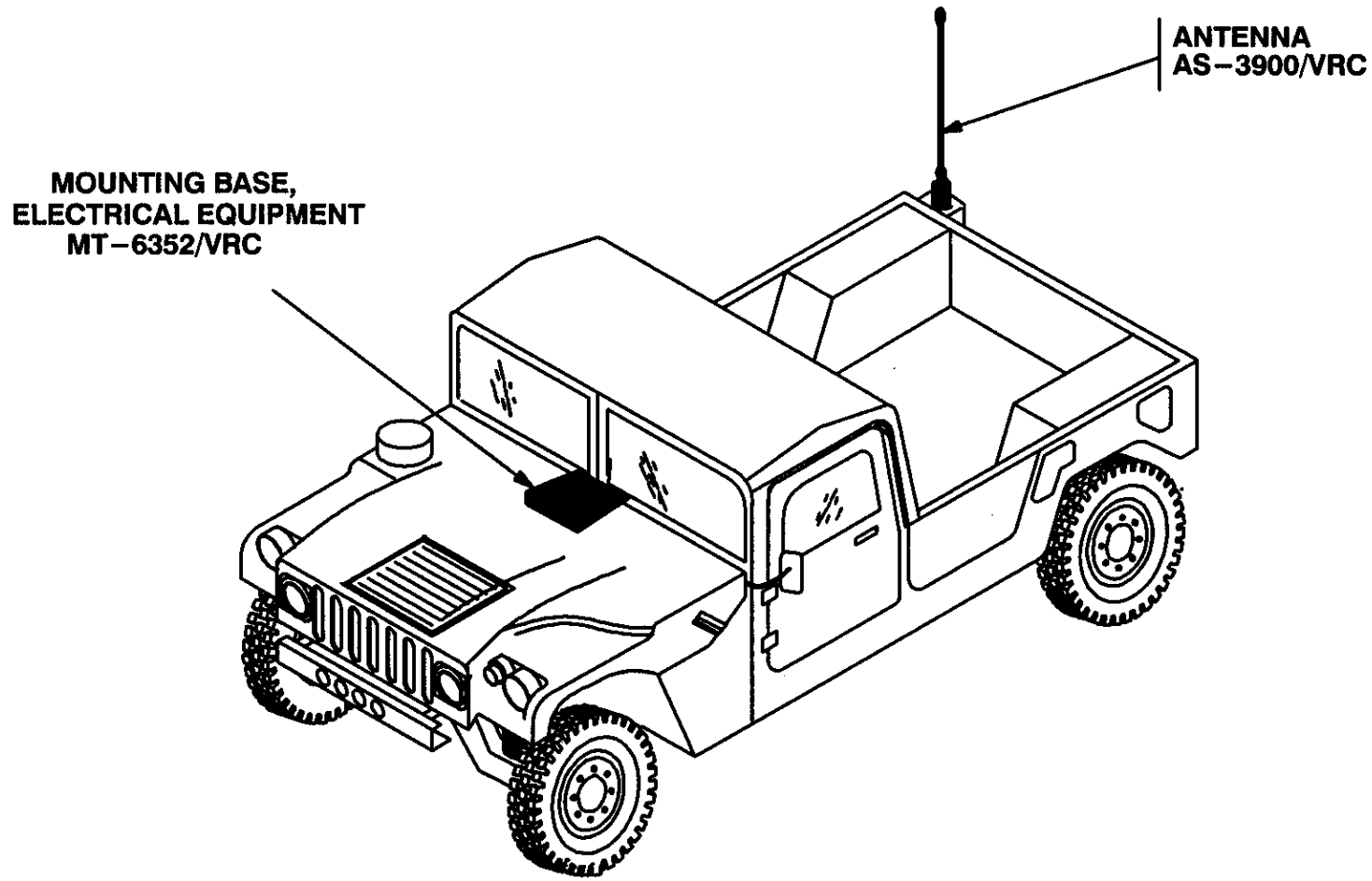
Antenna and Component

- ☐ Objective: Competitive follow-on Production contract
- ☐ Contract Type: IDIQ, Best Value, 5 years
- ☐ Estimated Value: \$2M-\$10M
- ☐ Key Milestones: RFP: Sep 2003
Award: Jan 2004
- ☐ Technical Contact: George Meyer, 732-532-9184
- ☐ Acquisition Contact: Nicholas Martino,
732-532-2877
- ☐ Solicitation #: TBD



AS-3900A

Antenna and Components





AS-3900A

Antenna and Components

- ☐ AS-3900A Antenna is used with SINCGARS ground radios.
- ☐ The antenna is a nine foot bi-pole fiberglass whip antenna consisting of an upper and lower element with a base subassembly.
- ☐ Used with wheeled vehicles.
- ☐ Operates over 30-88- mhz range.
- ☐ This antenna has a range capability of approximately 22 miles.



AS-3900A

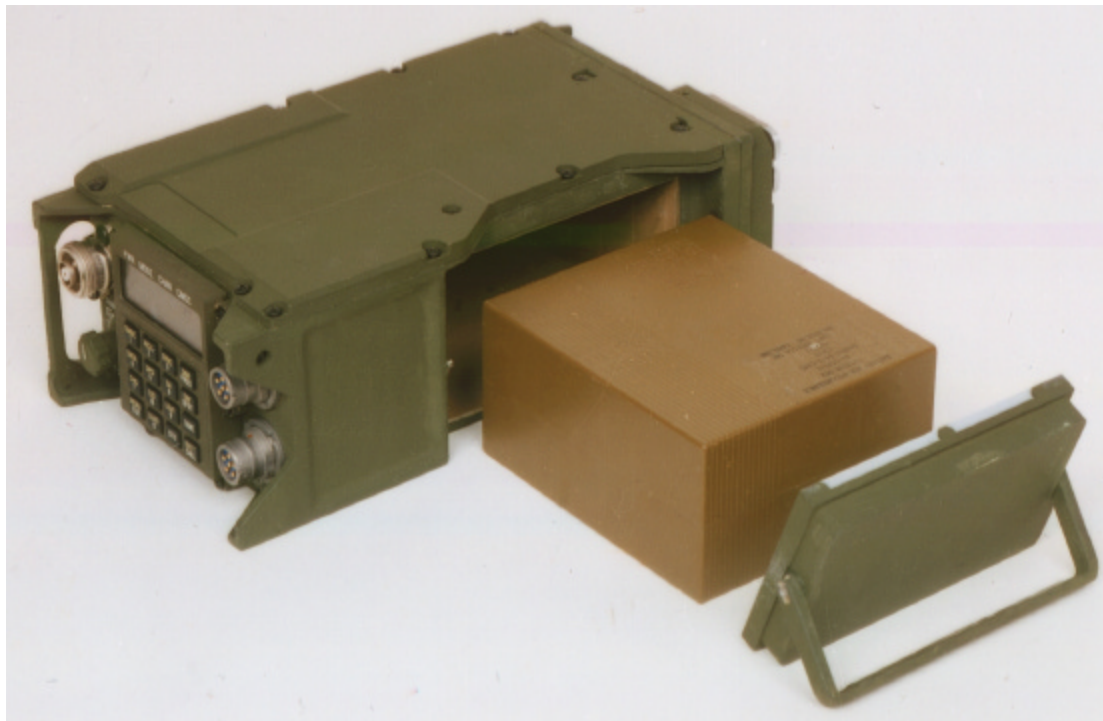
Antenna and Components

- ☐ Objective: Competitive Second Source Production Contract
- ☐ Contract Type: IDIQ, Best Value, 5 years
- ☐ Estimated Value: \$10M-\$15M
- ☐ Key Milestones: RFP: Feb 2003
Award: Jun 2003
- ☐ Technical Contact: George Meyer, 732-532-9184
- ☐ Acquisition Contact: Nicholas Martino, 732-532-2877
- ☐ Solicitation #: TBD



SINCGARS Components

ASIP Radio with Battery Cover Open and Battery Exposed





SINCGARS Components

- ☐ VHF-FM radio system that operates on any or all of the 2,320 frequencies between 30 and 87.975 MHz in 25 kHz increments.
- ☐ SINCGARS is capable of processing voice, analog and digital data in either the frequency hopping or single channel mode.
- ☐ Embedded COMSEC.
- ☐ Surface Mount Technology/.25 micron Integrated Circuit Technology.
- ☐ ASIP radio CCAs include Internet Controller (INC) card; provides Internet Protocol (IP) routing between radio nets and other comm systems.



SINCGARS Components

- ❑ Objective: Omnibus contract encompassing over 200 NSNs (Circuit Card Assemblies (CCAs))
- ❑ Contract Type:, IDIQ, Best Value, 5 years (1 year base, 4 individual yearly options)
- ❑ Estimated Value: \$10M-\$50M
- ❑ Key Milestones: RFP: Sep 2002
Award: Apr 2003
- ❑ Technical Contact: Denis Chan, 732-532-1894
- ❑ Acquisition Contact: Donjoean Rucker, 732-427-1651
- ❑ Solicitation #: DAAB07-02-R-C205



Loudspeaker for AN/VIC-3



CECOM Bottom Line: THE WARFIGHTER



Loudspeaker for AN/VIC-3

- ☐ Provides general audio monitoring on the intercommunication system by crewmembers of the US Army combat tactical vehicles without using the headsets
- ☐ Intelligible to crew members up to 50 feet from the vehicle when a 30 foot cable is utilized
- ☐ Strictly used with the AN/VIC-3 Vehicular Intercommunication Systems (VIS). It is used in 15 of the various VIS configurations.
- ☐ Normally connected to the Master Control Station, but may be connected to the Full Function Crew Station or the Monitor Only Station.

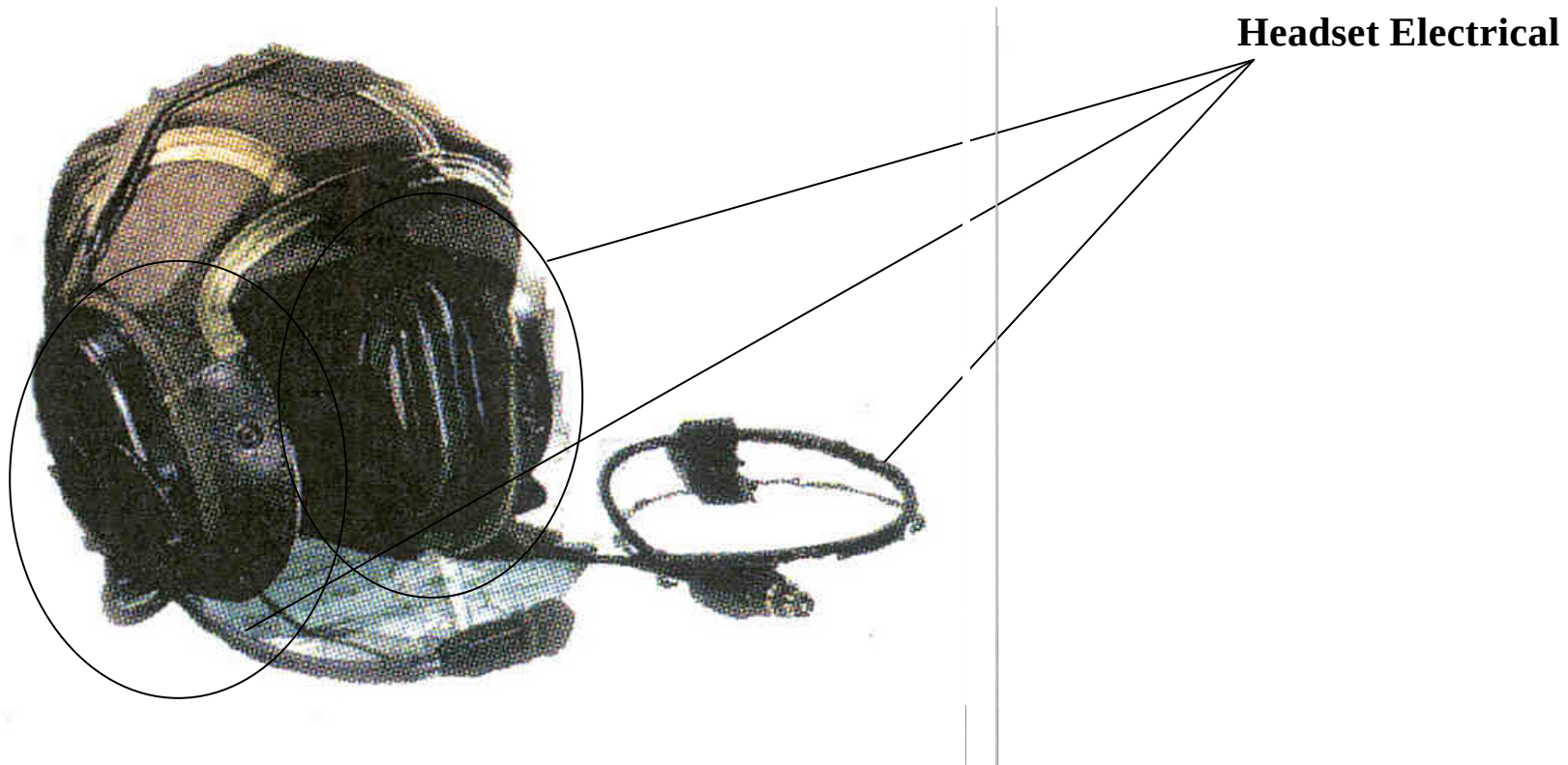


Loudspeaker for AN/VIC-3

- ☐ Objective: Limited to small business
- ☐ Contract Type: IDIQ, Best Value, 5 years
- ☐ Estimated Value: \$40K-\$3M
- ☐ Key Milestones: RFP: May 2002
Award: Sep 2002
- ☐ Technical Contact: Chit Lee, 732-532-2075
- ☐ Acquisition Contact: John Onieal, 732-427-1589
- ☐ Solicitation #: DAAB07-02-B-D034



Headset Electrical for PI CVC





Headset Electrical for PI CVC

- ☐ Part of the Product Improved Combat Vehicle Crewman (PI CVC) headset used in 16 of the various AN/VIC-3 configurations
- ☐ Provides reproduction of audio communication signals from the intercom and attenuation of ambient noise through active and passive means.
- ☐ Has a stereo talk through circuit with automatic limiting of ambient noise.
- ☐ Battery powered for operation un-tethered from the intercom system. When connected to intercom power, the intercom system shall recharge the battery pack.



Headset Electrical for PI CVC

- ☐ Objective: Best Value, Source Selection Plan requirement
- ☐ Contract Type: IDIQ, 5 years
- ☐ Estimated Value: \$1M - \$5.6M
- ☐ Key Milestones: RFP: Jun 2002
Award: Sep 2002
- ☐ Technical Contact: Chit Lee, 732-532-2075
- ☐ Acquisition Contact: Sharon Wilson-Emmons,
732-532-4964
- ☐ Solicitation #: TBD



Research, Development and Engineering Center Contract Opportunities

**Presented by: Dr. Louis C. Marquet
Director**

7 May 02

(732) 427-2686

Email: Louis.Marquet@mail1.monmouth.army.mil

CECOM Bottom Line: THE WARFIGHTER



RDEC Mission

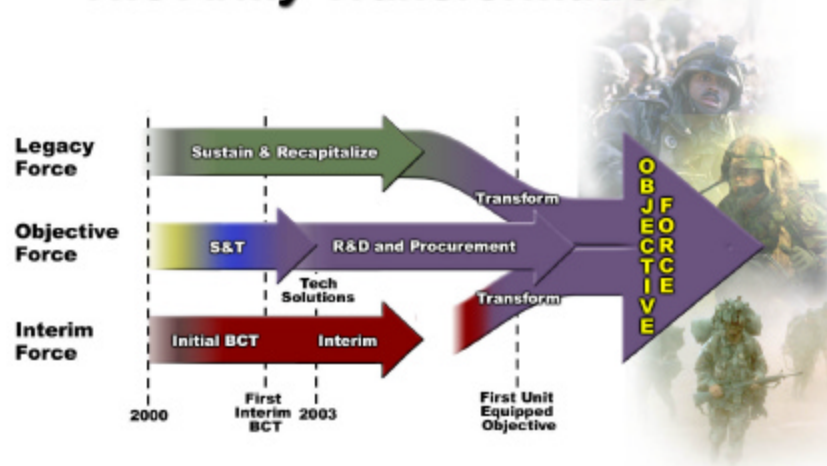
- Identify, develop, evaluate and tailor emerging Information Technologies.
- Facilitate the transition of selected technologies into operational systems.
- Perform and Promote System of Systems Integration.

**To Achieve & Maintain
Information Dominance**



A View of the Future

The Army Transformation



- The Warfighter's demand for more and better C4ISR will continue to grow.
- Commercial C4ISR technology will continue to rapidly advance.
- Our adversaries WILL have the latest technologies.

C3 Technology Insertion

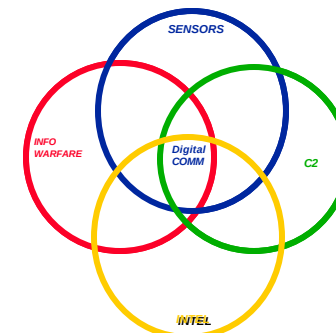


CECOM RDEC Technology Needs



Mr. Robert Doto

**RESEARCH, DEVELOPMENT
& ENGINEERING CENTER**
Dr. Louis C. Marquet - Director



Night Vision Electronic & Sensors

- Thermal Imaging
- Image Intensification
- Charge Couple Devices
- Image Fusion
- Sensor Fusion
- Advanced Optics
- High Density Processors
- Aided Target Recognition
- Lasers/Laser Radar
- Deception
- Countermine Science & Tech

Space & Terrestrial Communications

- Secure On-The-Move Networking
- Reachback/Range Extension
- Unattended Sensors Networking
- Secure Personal Communications
- Antennas
- Information Assurance
- Networked Fires
- Cross Functional Technologies

Command & Control

- Agile Commander
- Logistics C2
- Dismounted Warrior C2
- Interactive Speech
- Natural Language Processing / Translation
- Visual Displays
- Clock / Oscillator
- Power Sources
- Prototype Development & Platform Integration

Intelligence & Information Warfare

- Collection Systems
- Signal Intelligence
- Direction Finder
- Emitter Intercept
- Electronic Intelligence
- Measurement & Signature Intel
- Electronic Warfare
- Radar Technology & Systems
- Information Operations Attack
- Information Processing, Dissemination & Display
- Modeling and Simulation
- C4ISR Penetration Test & Vulnerability

CECOM Bottom Line: THE WARFIGHTER

CECOM RDEC Business Areas

Providing Required Capabilities for Warfighters

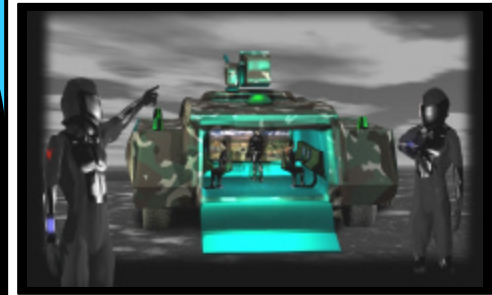
Business Areas

- Survivability
- Own the Night
- Own the Spectrum
- Know the Enemy
- Planning & Decision Making
- Secure Network Communications
- Information Assurance
- Situation Awareness
- Logistics Visibility
- Reduced Fratricide
- C2 Protect/Attack
 - Counter Mine
 - COA Analysis
 - Combat ID
 - Power

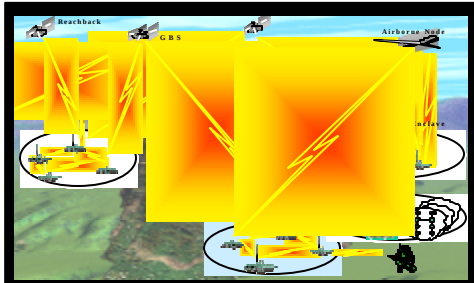
Sensors



Command & Control



Communications

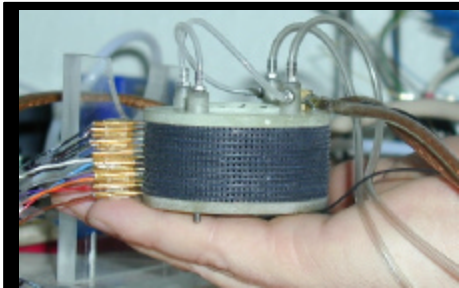


Info Warfare



**C4ISR Capabilities
For the Warfighter**

Power Management



**Totally Integrated
Solutions**



CECOM INDEPENDENT RESEARCH & DEVELOPMENT (IR&D) PROGRAM



Objective:

Promote communication with Industry about CECOM plans and activities and technology needs to assist Industry in implementing their IR&D program.

Promotes effective use of IR&D accomplishments

Mechanisms:

Technology Needs Development

Review of Industry IR&D Project Summaries on DTIC Database

Technical Interchange Meetings

One-on-Ones

Feedback

Process





DoD/Industry Interaction

DoD

Provide information on DoD's R&D activities & plans, mission needs, & operational requirements

Review IR&D database to identify IR&D of interest

Review IR&D activities and provide feedback to contractors

Industry

Plan, fund, and conduct IR&D

Provide IR&D Project Descriptions

Provide technical information about IR&D

Conferences,
Web Sites, etc.

Summary
Reports

Technical
Interchange
Meetings



C4ISR Acquisition Philosophy

Adopt Commercial off the shelf
Technology / Products

Adopt

Adapt Commercial Technology /
Products When It Cannot Be
Directly Inserted

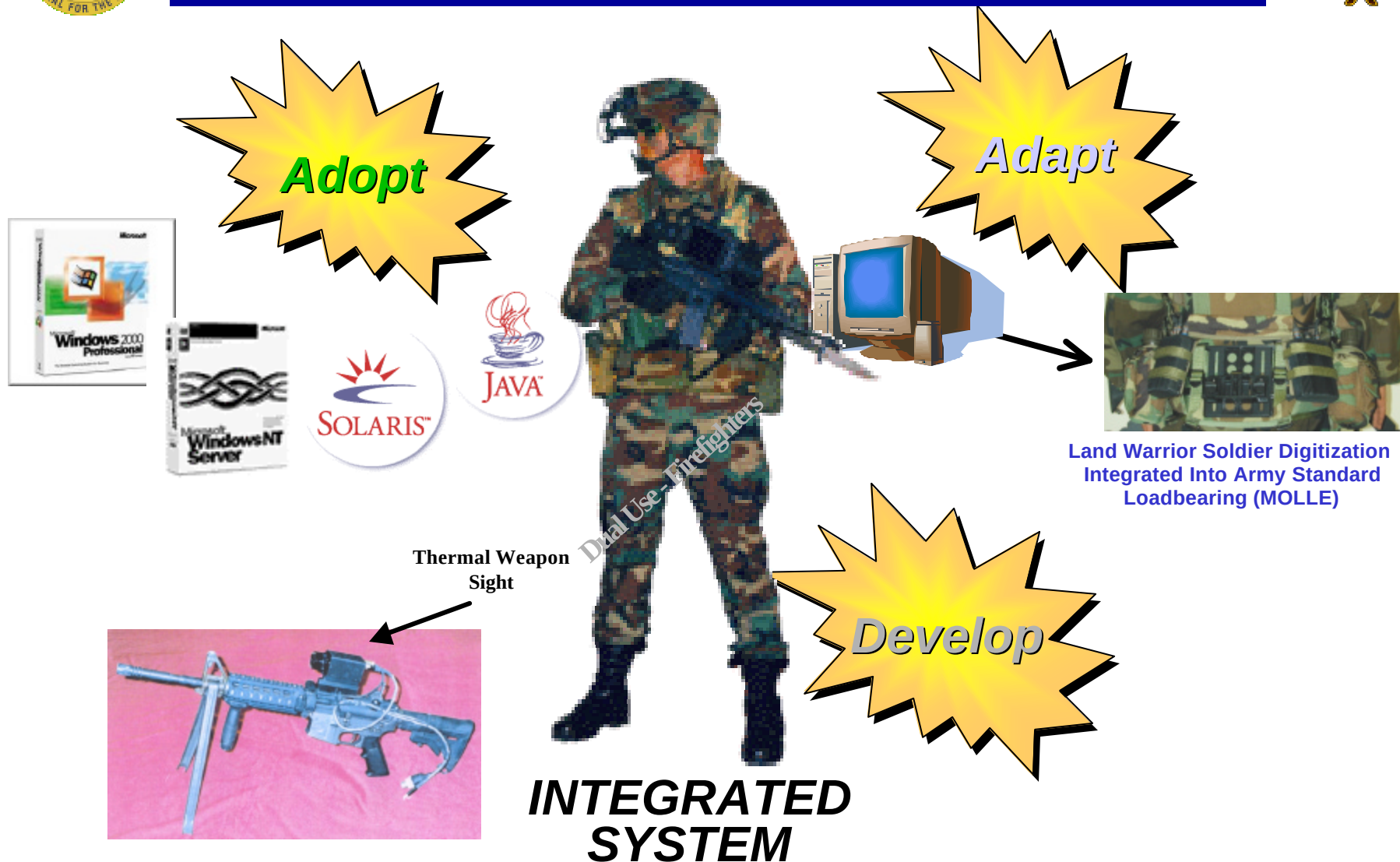
Adapt

Develop Technology in Concert With Other
Services and Agencies for Unique Areas
And Partnerships, Alliances, Teaming

Develop



C4ISR Development - Adopt, Adapt, Develop for Land Warrior



CECOM Bottom Line: THE WARFIGHTER



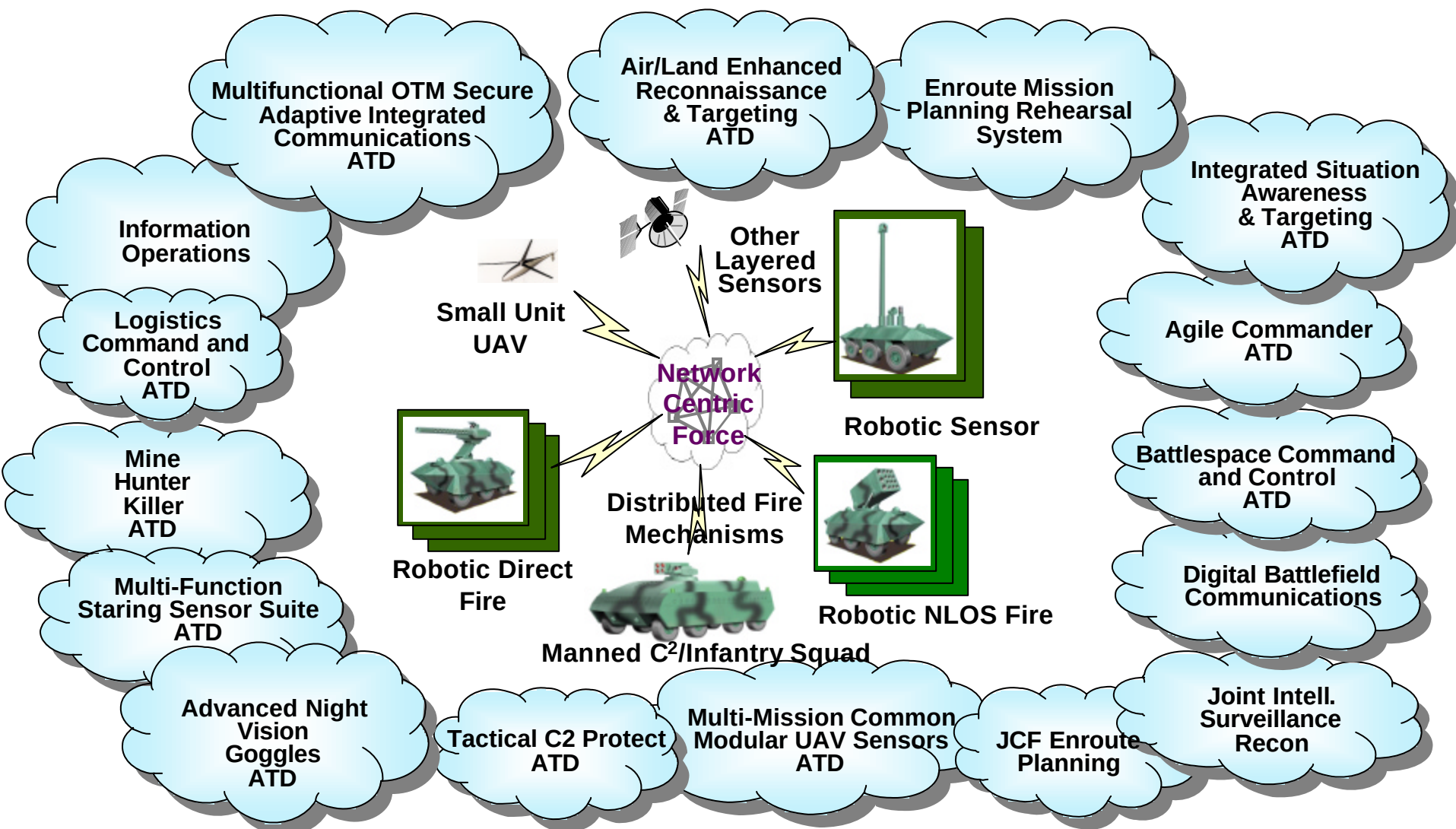
C4ISR Technologies

**Supporting/Enabling
the
Future Combat System/
Objective Force**

CECOM Bottom Line: THE WARFIGHTER



CECOM ATDs and Programs



CECOM Bottom Line: THE WARFIGHTER

Networked Sensors for the Objective Force

Sensors for the Close Fight – BSA+T

... Inside the extended Red Zone

*Organic Low Cost Unmanned Sensors
for the Battlefield Commander*

Networked Sensors for the Objective Force

ATD

Long Range
Surveillance

Mounted Sensor
Hub

Sensors for
Organic
small- UAV

MOUT

Dismounted
Sensor Control

DCGSA
IPB Updates/
GAP ID

Reachback

Scouts

Low Cost UGV
Sensor Payload

Networked Unattended
Ground Sensors

Distributed Sensors Fill the Battlefield Situational Awareness Gap and Provide BLOS Targeting – Complement Global Surveillance –



Migration of Aircraft IR Missile Countermeasures and Laser Warning to Objective Force



- Leverages Successful ATIRCM Program



- IR SAM CM
- Laser Warning



- ATGM CM
- Laser Warning

CECOM Bottom Line: THE WARFIGHTER



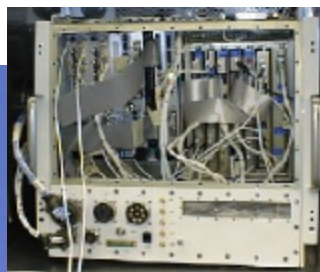
FOPEN Installed on Army RC-12D



Transmitter
115 lb, 1600 w



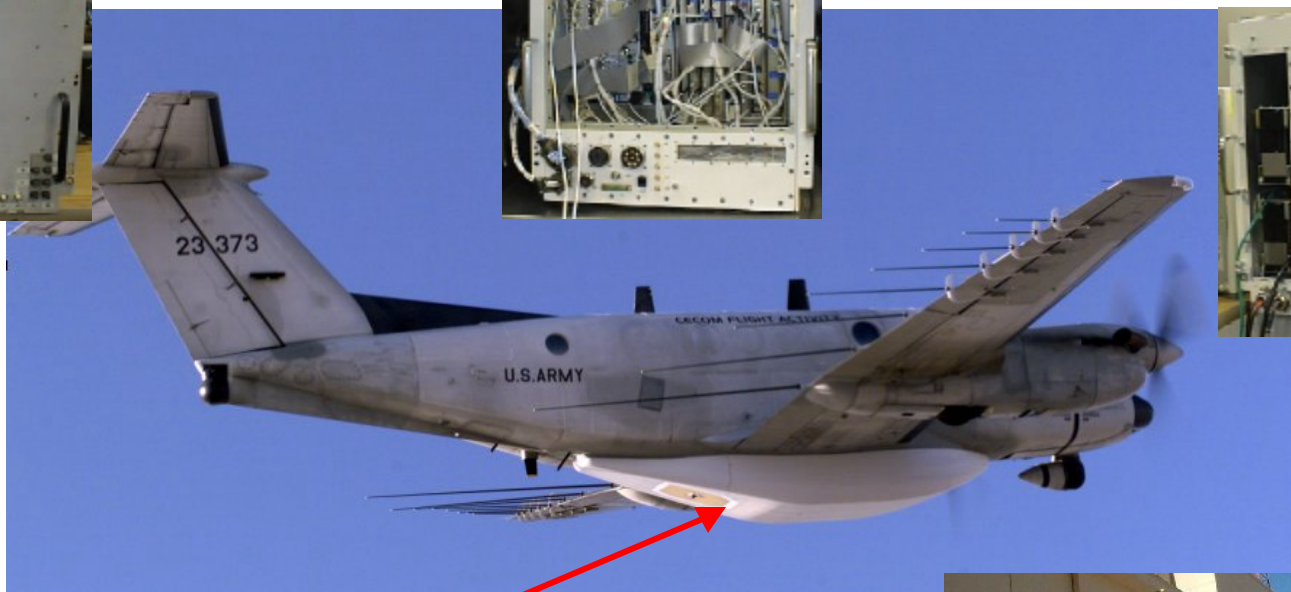
**Receiver /
Exciter**



**Signal/Data
Processor**
185 lb, 3270 w



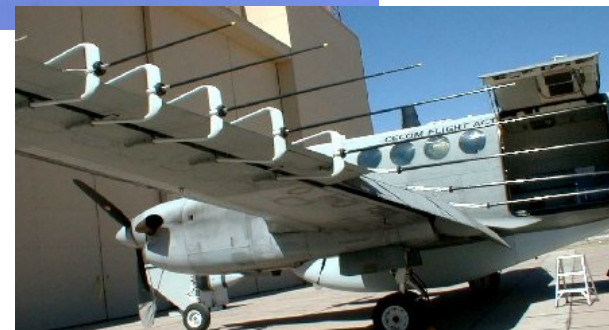
Cables
15 lb



UHF Antenna
84 lb, 20 w



GPS/INS
19 lb, 56 w



CECOM Bottom Line: THE WARFIGHTER



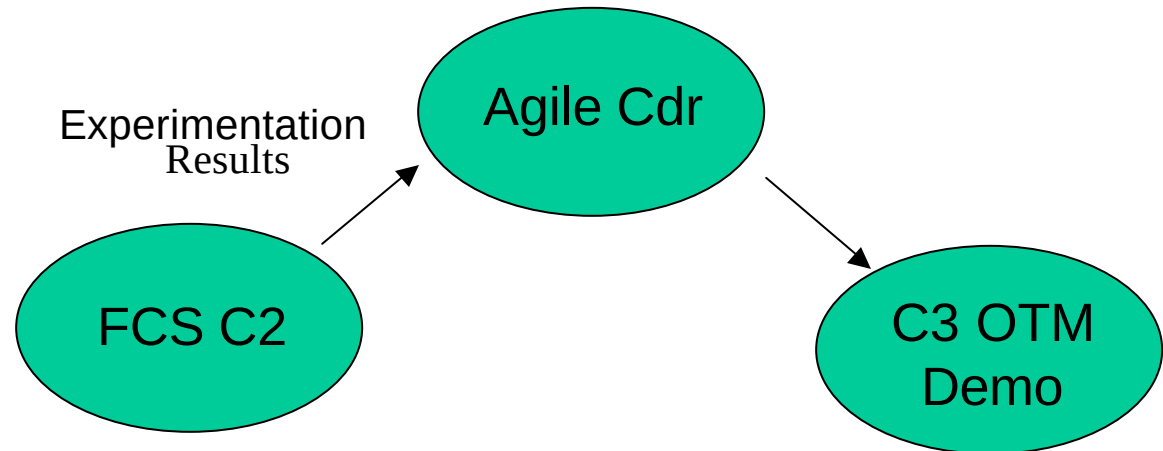
Agile Commander ATD (III.C4.2000.01)



Objective: Demonstrate information technologies enabling **execution-centric**, mobile command and control; aided by continuous battle planning and event control systems; engage in rapidly deployed, split-based operations

Transformation Payoff:

- Fully Integrated C2 System (Unit Cell & Above)
 - Maneuver
 - Logistics
 - Net Sensors/Fires
- B/W Adaptive Computing
- Technology Partners
 - Log C2 ATD
 - Mosaic ATD
 - DARPA FCS C2



Warfighter Payoffs:

- Mobile, integrated, distributed command-centric, near-real-time, semi-autonomous decision support system

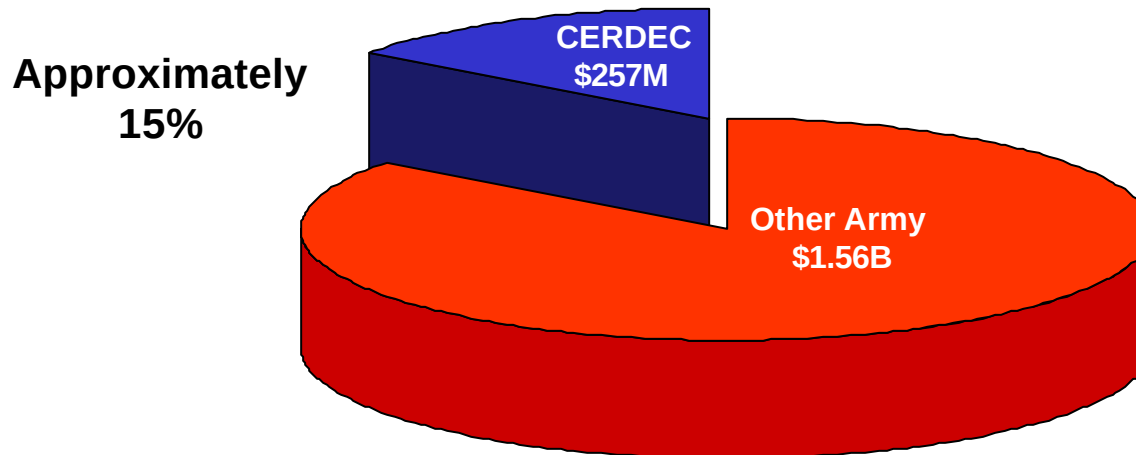
Agile Commander supports the On-the-Move concept



RDEC Tech Base Funding

***C4ISR is beginning to be acknowledged
as a key FCS/OBJ Force enabler***

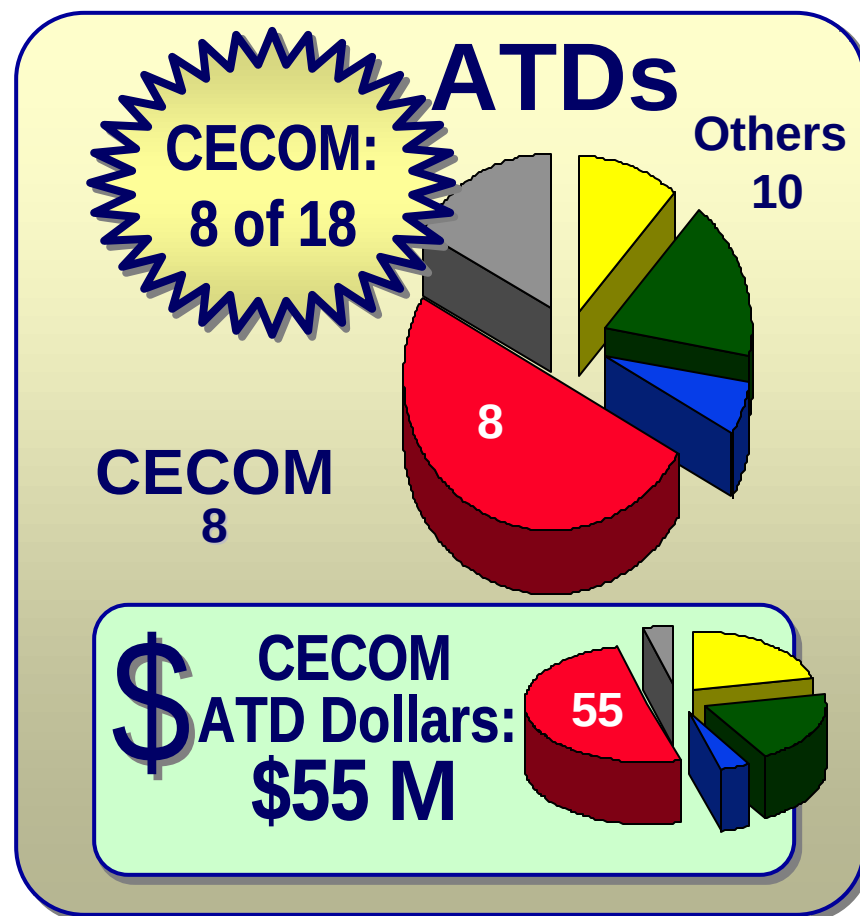
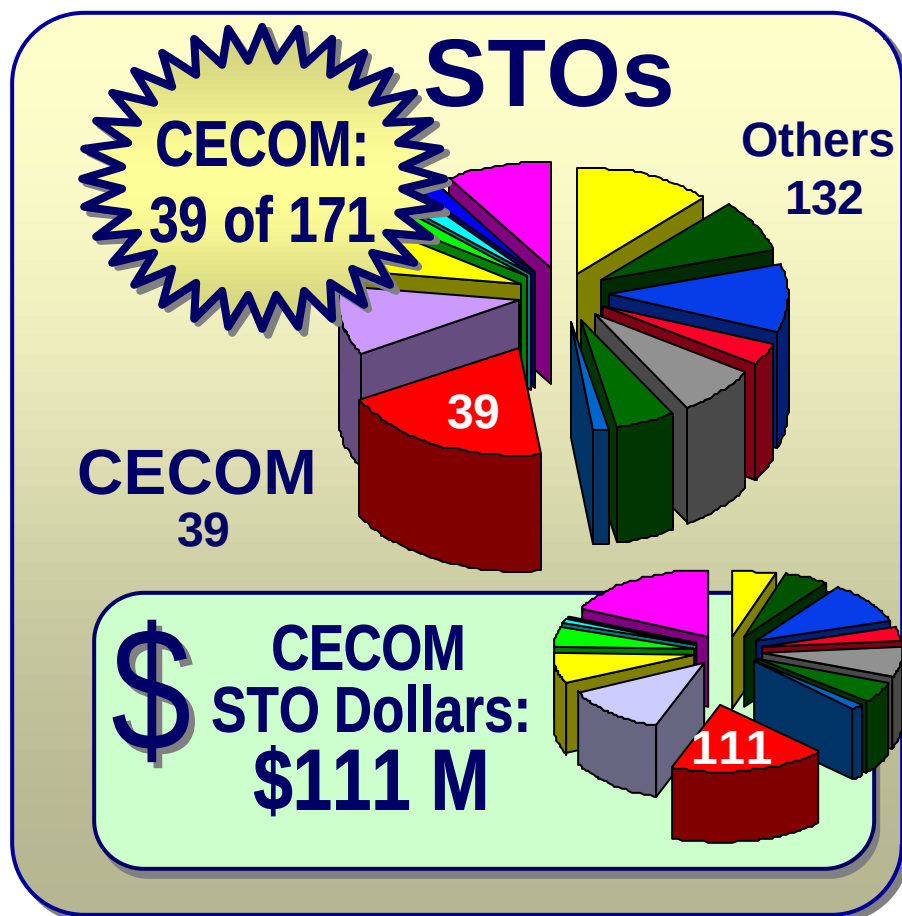
FY- 02 ARMY TOTAL 6.2 & 6.3 = \$1.82B



CECOM Bottom Line: THE WARFIGHTER



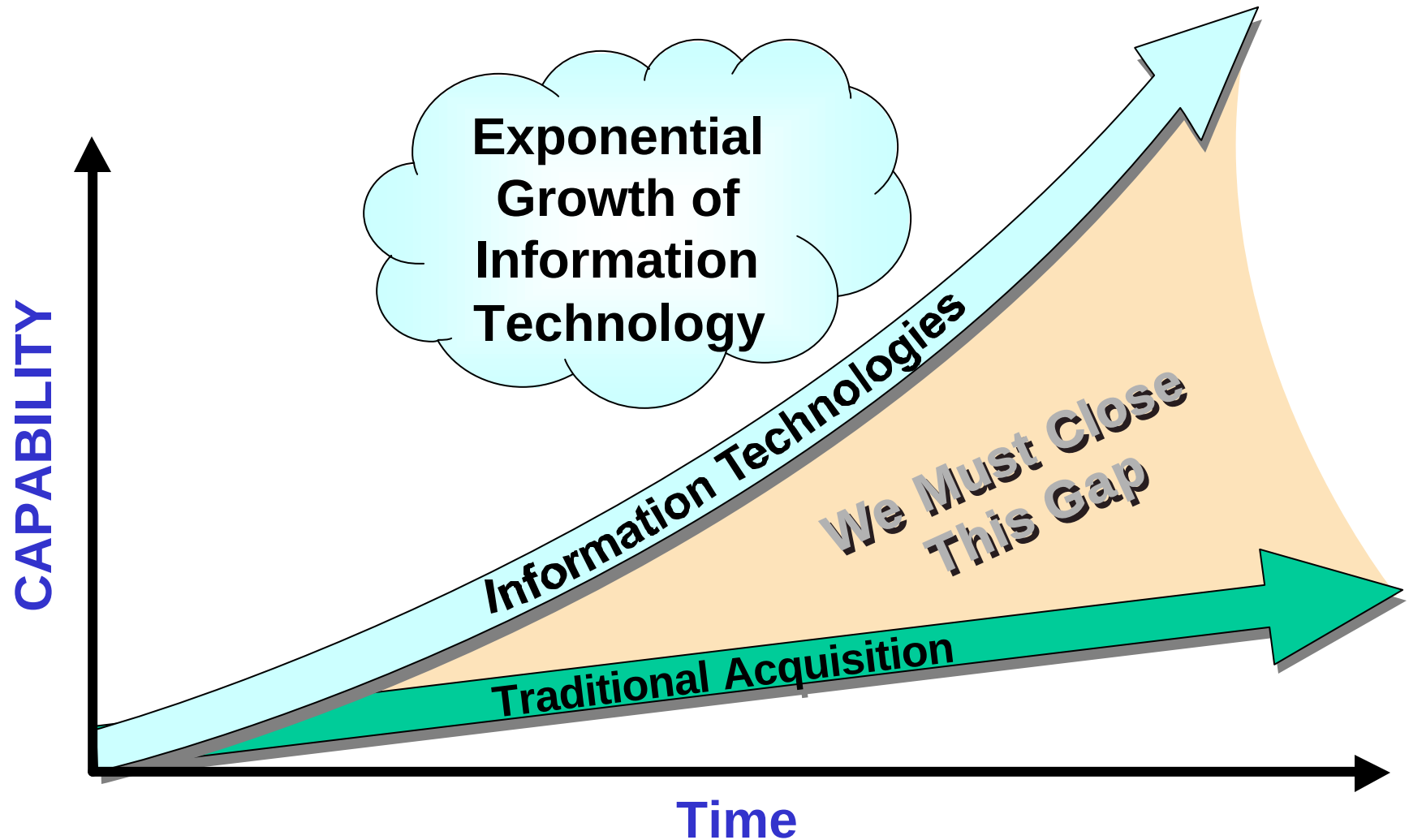
FY02 Defined Army Needs



CECOM Bottom Line: THE WARFIGHTER



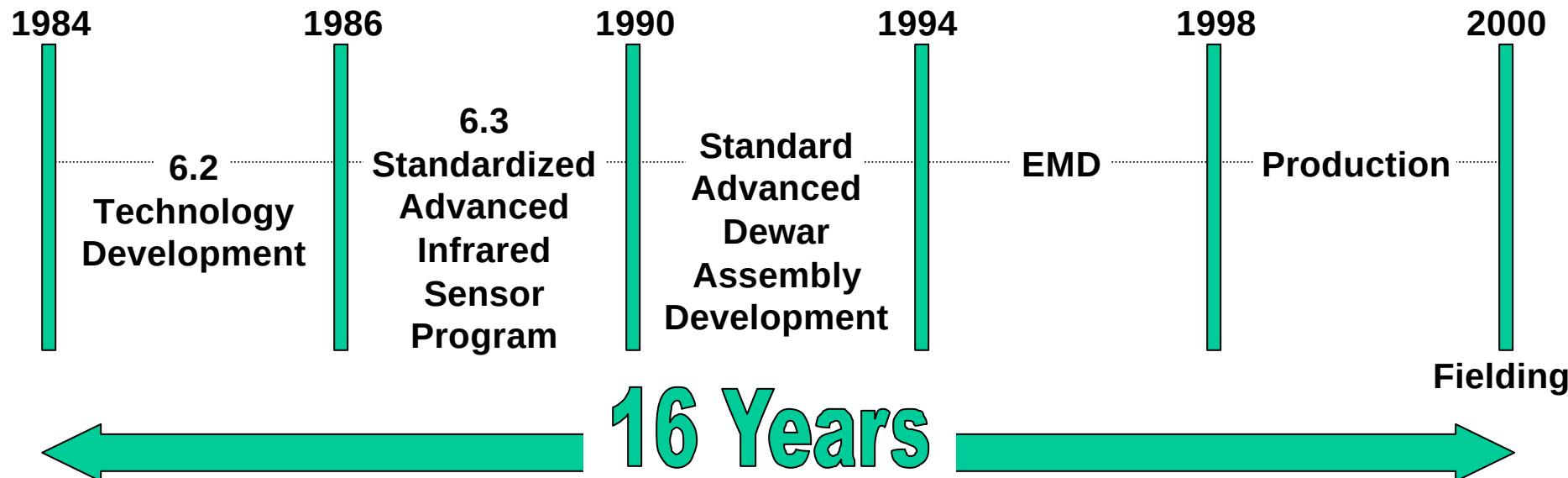
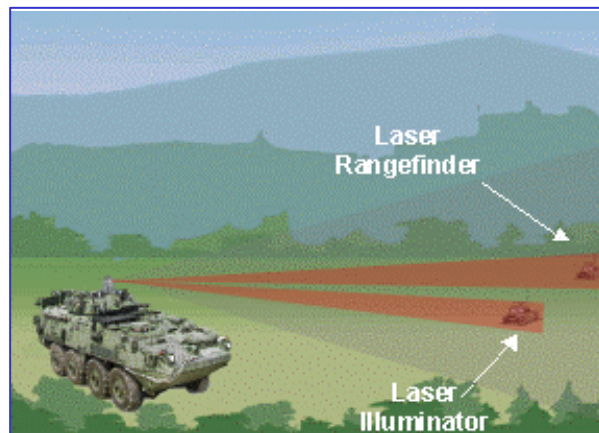
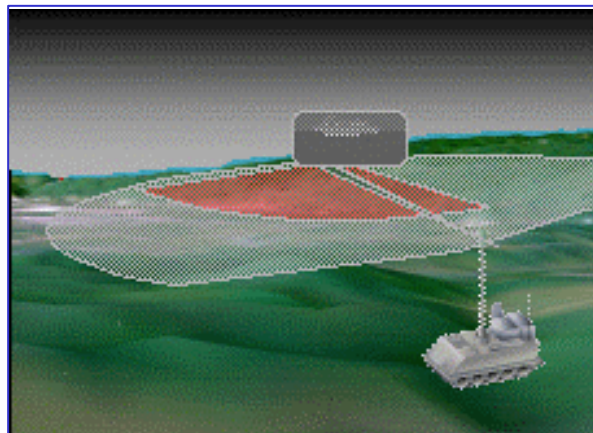
Impact of Information Technology



CECOM Bottom Line: THE WARFIGHTER



2nd Generation FLIR



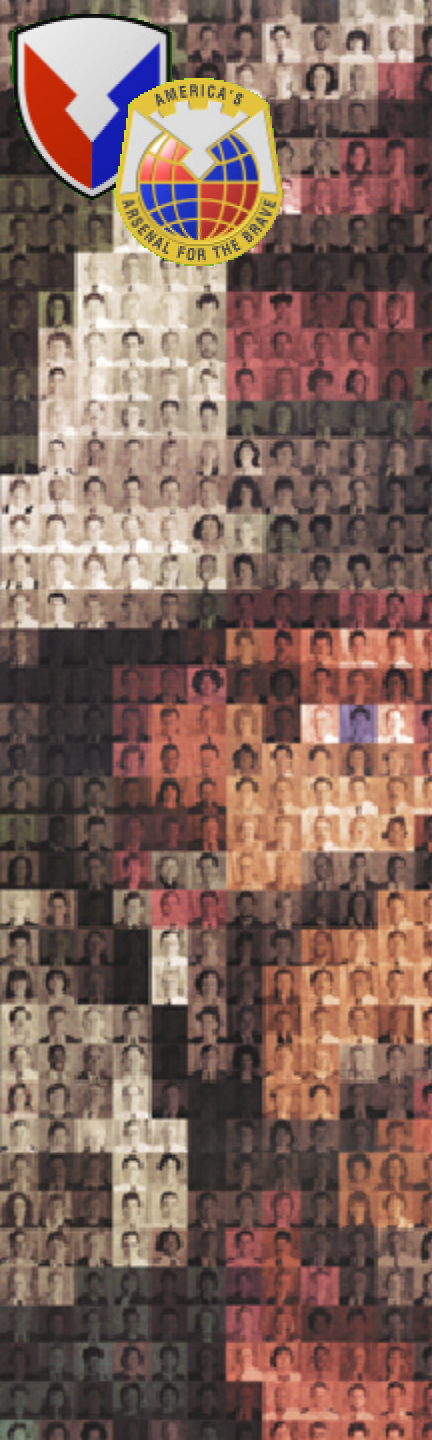
CECOM Bottom Line: THE WARFIGHTER



Recent Examples of Rapid Prototyping



- **CECOM has a proven track record of quickly supporting PM & Customer Requirement**
- **Recent examples include:**
 - **Brigade Subscriber Node (BSN)**
 - **Multi Media Comms System**
 - **Land Warrior**
 - **Enroute Mission Planning & Rehearsal System (EMPRS)**
 - **Signals Intelligence (SIGINT) QRC.**
 - **Trojan Light**
 - **Measurement & Signature Intelligence (MASINT) Vehicle**
 - **Maneuver Control Systems (MCS) Light**



C4ISR is the Key to Battlefield Success



- C4ISR supports all critical combat operations
- C4ISR technologies mature more rapidly than platform/ weapons technologies
- Multiple opportunities for technology insertions exist in all three Transformation axes

**SEE FIRST
DECIDE FIRST
SHOOT FIRST
MOVE FIRST**



The Intent of the Office of Homeland Security

“To take *all* the technology assets that we have in Government and elsewhere and use them in such a way, *fuse* the information in such a way, *share the information* in such a way that we can hopefully prevent future terrorist attacks”

Gov Ridge
Director Homeland Security



How C4ISR Relates to Homeland Security

CECOM Technology & Products

- Airborne Sensors/Intelligence
- Mobile Command and Control
- Emergency Response
 - Search & Rescue
- Perimeter Security
 - Intrusion Detection/Warning
 - Situational Awareness
- Interoperable C4ISR Systems
- Reachback for Information Accessibility



Delivering
The
Right Info
To
Right Place
At
Right Time



CECOM Bottom Line: THE WARFIGHTER



Homeland Security

Threat Detection	Threat Reduction	Crisis/Consequence Management
Airborne Surveillance	Perimeter Defense	1 st Response Teams

↑
Assist

↑
Provide

↑
Augment

**CECOM can Contribute
And
Support the**

Interoperability of Federal and State Civil Agencies

CECOM Bottom Line: THE WARFIGHTER



STATUS

- **Have not been tasked**
- **Do not have any HLS funding**
- **Legal issues need to be resolved**
 - **Military equipment to civilian agencies**
 - **May require new legislation**
- **1st Northeast Region Homeland Security Conference 9 through 13 Sep 02 at Atlantic City, NJ**



RDEC Contract Opportunities Up to \$8.7B



- **RDEC Wide Opportunities (up to \$8.4B)**
 - Small Business Innovation Research
 - Rapid Response II
- **Specific Business Areas Opportunities (up to \$326M)**
 - Intelligence & Information Warfare Dir. (\$30M)
 - Space & Terrestrial Communications Dir. (\$21M)
 - Command & Control Dir. (\$14M)
 - Night Vision & Electronic Sensors Dir. (\$261M)



Small Business Innovation Research

FY02 Program - 50 Topics

website: <http://www.acq.osd.mil/sadbu/sbir>

Advanced Material & Manufacturing

Microelectronics & Photonics

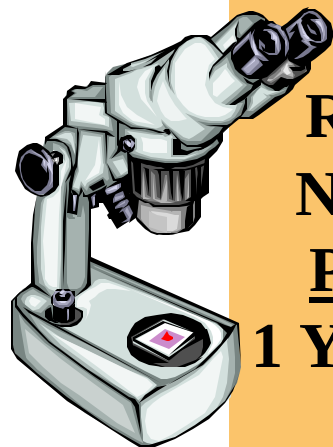
Sensors & Information Processing

High Performance Computing & Simulation

Power & Directed Energy

Chem-Bio

Engineering Sciences



Phase II

R&D 2 Years

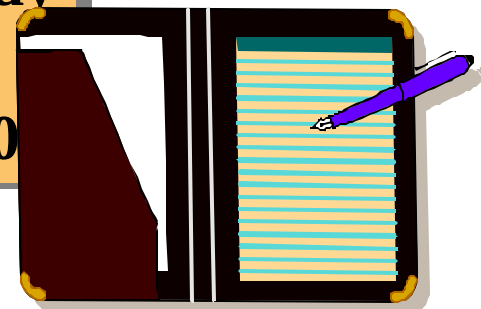
NTE \$750,000

Phase II Plus

1 Year - \$100,000

Matching

Phase I
Feasibility Study
6 Months
NTE \$100,000



1
3
28
4
5
1
8



Phase III
Commercialization
Funding from
Non-SBIR Source

CECOM Bottom Line: THE WARFIGHTER



Small Business Innovation Research FY2002 Phase II Program



- **30 Topics published in the DoD 01.2 Program Solicitation**
- **245 Phase I Proposals were submitted against topics**
- **46 Phase I Proposals were selected for award – 18% of all proposals submitted**
- **26 Phase II Proposals were awarded this year – 57% of all Phase I proposals awarded**
- **Since inception in 1996, CECOM has won 5 of 6 annual Phase II Quality Awards**



Phase III Success Story

Virtual Breaker Box

Custom Manufacturing and Engineering, Inc.



Impact:

- **1 Unit delivered, 8 units ordered, \$32K in revenue, potential for 1000's to be used across DoD**
- **Two patents in process**
- **\$2.25M in DoD research funding**
- **\$35K in non-DoD research funding**

- *Through the use of "smart" circuits and outlets*
 - Delivers advanced energy management
 - Control for shelters and vehicles
- Applications
 - FCS
 - Multi-functional, low-power systems in Land Warrior
 - Unattended ground sensor networks
- Commercial applications
 - Yachts
 - RVs
 - Industrial buildings



Small Business Innovation Research (SBIR) Program Opportunities



- **OBJECTIVE:** To stimulate technological innovation, strengthen role of small business in DoD R&D needs, foster & encourage participation by minority/disadvantaged persons, increase commercial application of DoD supported research in R&D results.
- **CONTRACT TYPE:** Firm Fixed Price (FFP)
- **ESTIMATED VALUE:** Up to \$5.3M
- **KEY MILESTONES:** (Phase I)
 - Pre-Solicitation 1 May 02
 - Solicitation Opens 1 Jul 02
 - Solicitation Closes 14 Aug 02
 - Contract Award 13 Dec 02
- **PROGRAM CONTACT:** Suzanne Weeks, (732) 427-3275
- **ACQUISITION CONTACT:** Rick Kolarsick, (732) 532-4246

**Phase I
Opportunities
Now
Available**



RAPID RESPONSE II



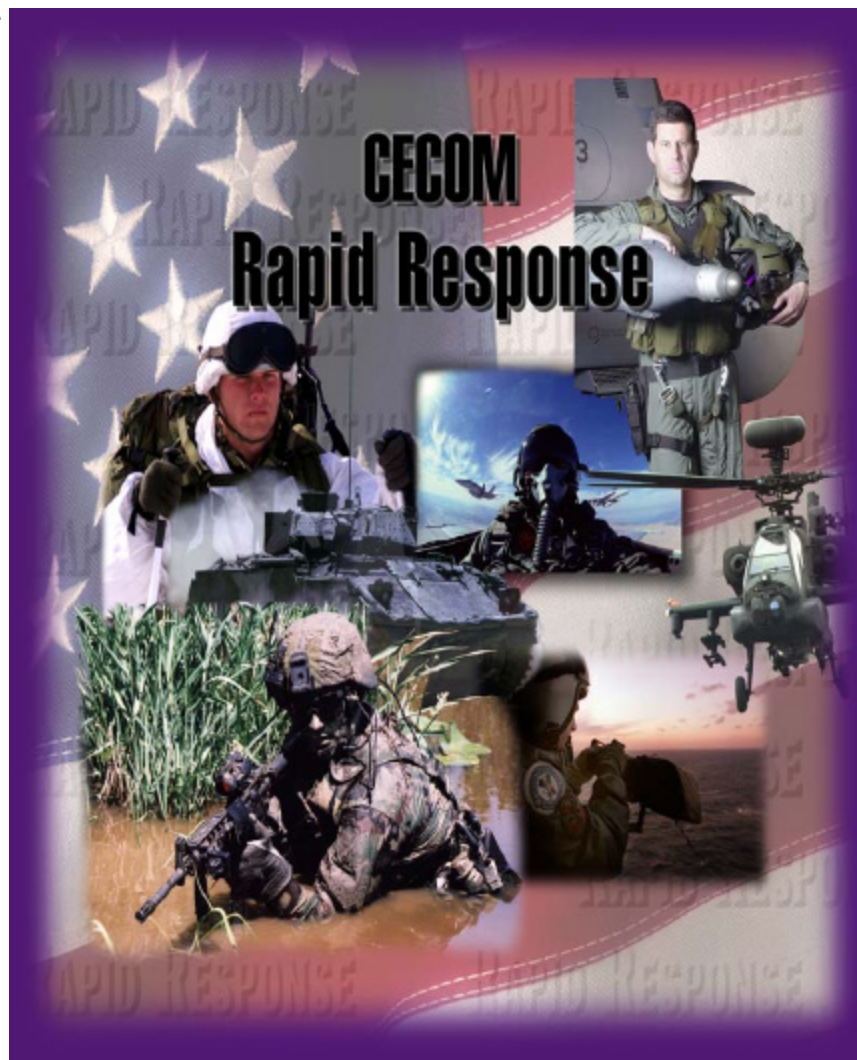
CECOM
RAPID RESPONSE PROJECT OFFICE
FORT MONMOUTH, NJ

**R2 STATEMENT OF WORK
AND CAPABILITIES**

- Broad Scope to Support All Platforms
- Technology Insertion
- Systems Integration
- Fabrication and Prototyping
- Testing
- Certification
- Studies and Analyses
- Technical Data Management
- Systems Installation
- Logistics Support Service
- Training
- Acquisition Support

CUSTOMERS

- US ARMY
- US AIR FORCE
- US NAVY
- US MARINE CORPS
- US COAST GUARD
- NASA
- Defense Logistics Agency
- FMS
- State Department
- Available to All Federal Agencies



CECOM Bottom Line: THE WARFIGHTER



CECOM
RAPID RESPONSE PROJECT OFFICE
FORT MONMOUTH, NJ

**R2 STREAMLINED
ACQUISITION SOLUTIONS**

- 19 Day Competitive Award Process
- Step-By-Step Technical/Contract/ Budget Assistance
- Three Multiple Award Task Order Contracts
- Flexible Time and Materials and Firm-Fixed-Price Orders
- Negotiated Labor Rates for Prime and Subcontractors
- Wide-Ranging Labor Categories
- Low 1% Management Fee

**R2 EXPERIENCED
DEDICATED STAFF**

- Engineers
- Acquisition Professionals
- Computer Scientists
- Legal Representatives
- Small Business Specialists
- Budget Analysts
- Security Advisor



RAPID RESPONSE II

- **Recompete teams for Rapid Response to Critical Systems Requirements Contracts (R2CSR).**
- **Current 3 contracts expire in 07/03.**
- **Customers require greater period of performance.**
- **Awarded over 514 delivery orders for varied federal customers since 07/98.**
- **Value of Awards to Date:**
 - **Total: ~ \$1.45 Billion**
 - **Small Business: ~ \$370 Million**



RAPID RESPONSE II

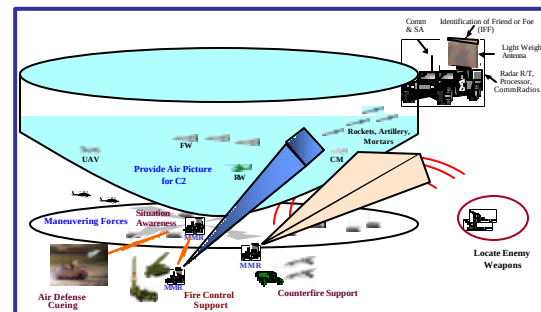
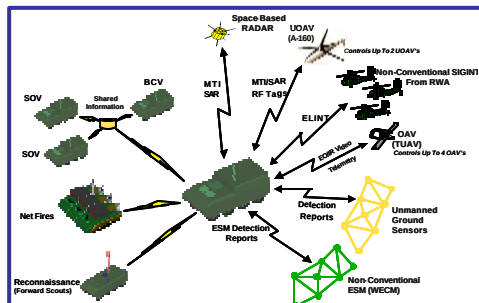
- **OBJECTIVE:** Provide federal platform managers with a rapid means for acquiring integration, modification, testing, maintenance, logistics, etc. support.
- **CONTRACT TYPE:** Performance-Based Indefinite Delivery/Indefinite Quantity (ID/IQ) Time & Materials (T&M) / Firm Fixed Price (FFP).
- **ESTIMATED VALUE:** \$2.8B Max Per Contract (\$8.4B est. total)
(8 Years Including Options)
Potential for up to 7 contracts
- **KEY MILESTONES:**

Release RFP	3Q FY02
Multiple Awards	4Q FY02
- **TECHNICAL CONTACT:** Stanley Tylecki (732) 427-4348
- **ACQUISITION CONTACT:** Sylvia Mielke (732) 427-1519
- **SOLICITATION NO:** DAAB07-02-R-G401



Intelligence & Information Warfare Dir. Key Programs

ISR



FOPEN

Info Ops

Multi-Mission Radar

RADAR

MASINT



ACS



LCMR



SAR/MTI

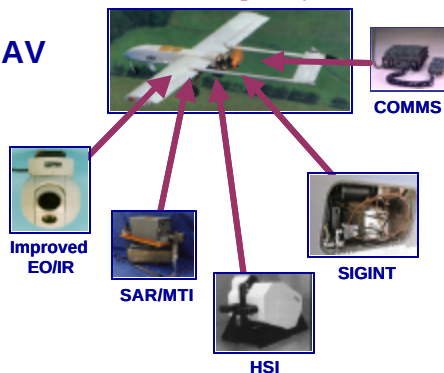
INTEL

MYSTIC



Future Capability

TUAV



Electronic Combat

Platform Protection



Area Protection



Combat Identification





I2WD BAA - 11 Research Interest Topics

- **Collect - Collection Systems -- General**
- **Collect - Signals Intelligence (SIGINT)**
- **Collect - Direction Finding (DF) Development and Enhancements**
- **Collect - Emitter Intercept Techniques**
- **Collect - Electronic Intelligence (ELINT)**
- **Collect - Measurement & Signature Intelligence (MASINT)**
- **Electronic Warfare (EW)**
- **Information Operations (IO) -- Attack**
- **Information Processing, Dissemination and Display**
- **Modeling and Simulation**
- **Command and Control Protect and C4-ISR Penetration Testing and Vulnerability Analyses**



Topic Details

- **Topic title: *Collect – Collection Systems -- General***
 - Requirements
 - Technology forecast through 2010
 - Objectives
 - Revolutionary ISR capabilities required
- **Topic title: *Collect – Signals Intelligence (SIGINT)***
 - Future signals environment
 - Geographical considerations
 - Sensor requirements



Topic Details

- **Topic title: *Collect – Direction Finding (DF) Development and Enhancements***
 - Super-resolution DF algorithms
 - Antenna array design
 - System calibration and electromagnetic modeling
 - RF interference
 - Critical component development
 - Real-time signal processing in embedded computers
 - Wide-band / LPI signal exploitation techniques
 - Issues peculiar to HFDF



Topic Details

- **Topic Title: Collect – *Emitter Intercept Techniques***
 - Advanced receivers and receiving techniques
 - TTPs for automated intercept, processing and exploitation of Low Probability of Intercept (LPI), Low Probability of Exploitation (LPE) signals
 - Methods and techniques for improving the intercept range (distance) of ground based and low-flying intercept systems
 - Improvements in man-machine interfaces for tactical intercept systems
 - Recognition, demodulation, and decoding of digital data



Topic Details

- **Topic Title: *Collect – Electronic Intelligence (ELINT)***
 - Sub-topic #1 - 6U VME ELINT Digital IF Receivers, Algorithms and Processors
 - Sub-topic #2 - Digital Broadband Cross-Ambiguity-Function Processor for ELINT Geolocation
- **Topic title: *Collect – Measurement and Signature Intelligence (MASINT)***
 - Sub-topic #1 – Combat Identification
 - Sub-topic #2 – Moving Target Indicator (MTI) / Synthetic Aperture RADAR (SAR)
 - Sub-topic #3 – System of Systems Integration of Delivery, Processing and Dissemination Systems



Topic Details

- **Topic title: *Electronic Warfare (EW)***
 - Sub-topic #1 -- Communications Electronic Attack
 - Sub-topic #2 -- Infrared Countermeasures (IRCM)
 - Sub-topic #3 -- Multi-Spectral EO / IR / UV Sensors for Warning / Countermeasure
 - Sub-topic #4 -- Self Protection / Avionics Technology
 - Sub-topic #5 -- RADAR Countermeasures, Warning and Deception
 - Sub-topic #6 -- Advanced RADAR Countermeasures
 - Sub-topic #7 -- Electronic Deception & Advanced Signature Management



Topic Details

- **Topic title: *Information Operations (IO) -- Attack***
 - **C4-ISR Exploitation and Attack (Counter C4-ISR) Requirements:**
 - **Sub-topic #1: Real Time, Stealthy, Logical Network Access, Discovery, Exploitation and Countermeasures– non-cooperative**
 - **Sub-topic #2: Real Time, Stealthy, RF Access, Communications and Non-Communications Network Discovery, Exploitation and Countermeasures – non-cooperative**
 - **Sub-topic #3: Real Time, Stealthy, Active Protection and Defense of U.S. Army Tactical Information Networks; Exploitation and Countermeasures – cooperative**



Topic Details

- **Topic title: *Information Processing, Dissemination and Display***
 - Sub-topic #1 – Information Processing and Fusion
 - Sub-topic #2 – Multi-Sensor Fusion Automatic Target Recognition (ATR)
- **Topic title: *Modeling and Simulation (M&S) Initiatives***
 - Electronic Warfare Systems Modeling and Simulation
 - Communications Intelligence System Simulation Collection Used for Opposing Wireless Communications Systems
 - IEW / IO Mission Planner



Topic Details

- **Topic title: *Command and Control Protect and C4-ISR Penetration Testing and Vulnerability Analyses***
 - Vulnerabilities of U.S. C2 or C4-ISR systems or their components shall be classified SECRET.
 - Vulnerability assessments, penetration testing, exploitation, countermeasure development, or the development of tactics, techniques and procedures, having a focus that is Threat / adversary-based, shall not be undertaken under this topic.
 - No classified materials, software, tools, tactics, techniques or procedures shall be developed under this topic.
 - Classified tools for Information Operations shall be developed under the IO Attack topic and sub-topics of this BAA.
 - Contractors working under this topic shall not have access to classified tools.



I2WD BAA 2000

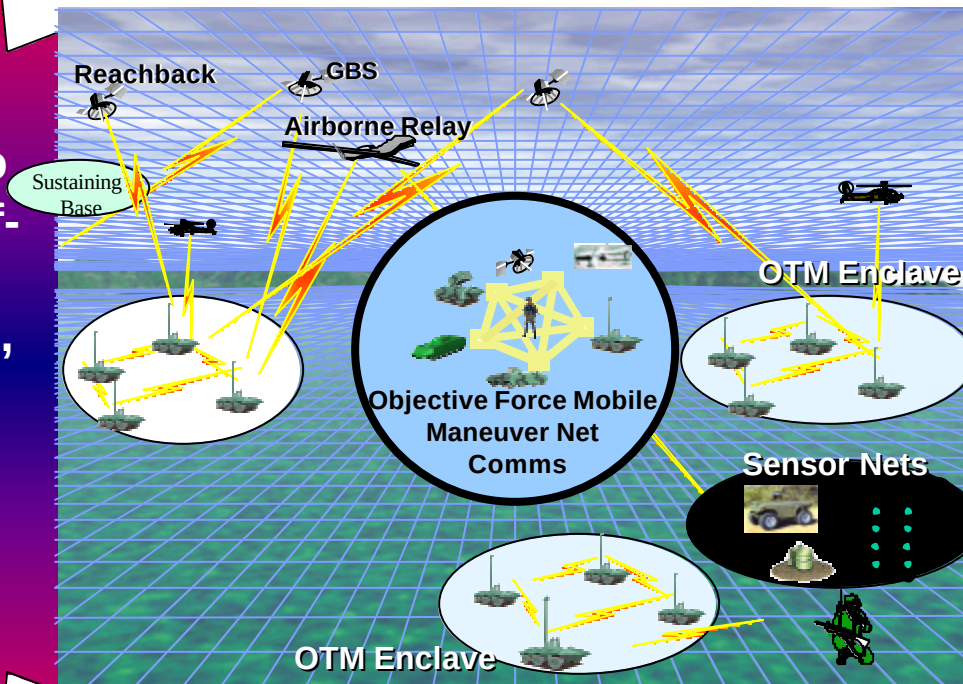


- **OBJECTIVE:** Open solicitation wherein special consideration shall be given to R&D proposals that exhibit revolutionary and innovative solutions that satisfy Army requirements in the areas of Information Superiority and Information Dominance based upon available funding.
- **CONTRACT TYPE:** Cost Plus Fixed Fee (CPFF)
- **ESTIMATED VALUE:** Total Awards \$25M-\$30M
Individual Awards \$500K - \$20M
- **KEY MILESTONES:** Various annual awards (FY03-FY05)
Open proposal submission accepted at anytime throughout life of BAA
- **TECHNICAL CONTACT:** Mary Wills, (732) 427-7206
- **ACQUISITION CONTACT:** Mary Paterno-Mihalko, (732) 532-3992
- **SOLICITATION # :** DAAB07-00-R-K501



Multifunctional On-the-Move Secure Adaptive Integrated Communications (MOSAIC)

Adaptive Network Protocols to Support Self-Initializing, Self-Healing, Adaptive, Mobile Networks while addressing security



Bandwidth Management

Security Framework

Communications Support for Increased Operational Flexibility

CECOM Bottom Line: THE WARFIGHTER



Multifunctional On-the-Move Secure Adaptive Integrated Communications (MOSAIC)



- **Major Focus Areas:**
 - **Bandwidth Management**
 - **Adaptive Network Protocols**
 - **Integration of Commercial and DoD developed wireless technologies**
- **Challenge:**
 - **Provide assured, wireless, network that works in diverse, complex terrain**



Multifunctional On-the-Move Secure Adaptive Integrated Communications (MOSAIC)



- **Barriers:**
 - Days to preplan & configure network
 - Limited bandwidth for assured network access, services, & speed of delivery
 - Complex, dynamic, network management
 - Continuous coverage
- **Solutions:**
 - Minutes to configure network via self-organizing Ad Hoc protocols
 - Efficient bandwidth utilization via adaptive algorithms
 - Simplified automated network ops using intelligent distributed agents
 - Horizontal and vertical network handoff (including UAV Comms payload)



Multifunctional On-the-Move Secure Adaptive Integrated Communications (MOSAIC)



- **OBJECTIVE:** To provide mobile communications and networking technologies to support the Objective Force/Future Combat Systems and Battle Command infrastructure mobility
- **CONTRACT TYPE:** Combination of Other Transactions, Cost Plus Fixed Fee, (BAA)
- **ESTIMATED VALUE:** \$3 - 5M over 2 years
- **KEY MILESTONES:**
 - **BAA Released:** 3QFY00
 - **Multiple Awards** 1QFY03 & 2QFY04
(Suggested proposal submission NLT Aug 02 and Nov 03 respectively)
 - **Final Demonstration** FY04
- **TECHNICAL CONTACT:** Gary Blohm, (732) 427-4277
- **ACQUISITION CONTACT:** Frederick Kolarsick, (732) 532-4346
- **SOLICITATION NO:** DAAB07-00-R-L575



Advanced Antennas



WIDEBAND GAP-FILLER

MILSTAR

GLOBAL BROADCAST
SATELLITE

- OTM MULTIMISSION
- HIGH DATA RATE

OTM MULTIBEAM
PHASED ARRAY

RECEIVE AND
TRANSMIT ARRAYS

• JTRS INTEGRATION

• REDUCED
LOGISTICS

JOINT TACTICAL RADIO
SYSTEM OTM MULTIBAND
ANTENNA

JTRS

Wideband Phased Array

Multiplexer

- REDUCED COSITE
- GREATER GAIN

BODY BORNE / LOW
PROFILE ANTENNAS

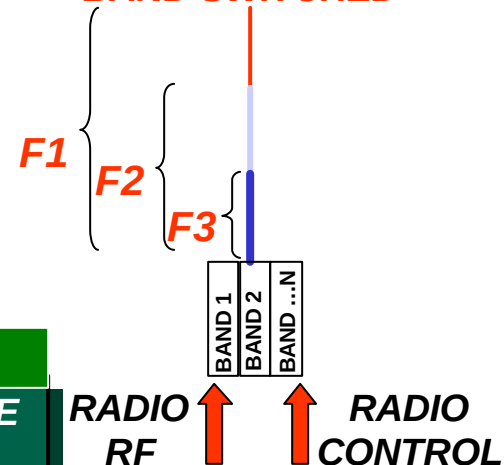
- REDUCED VISUAL SIGNATURE
- ENHANCED SURVIVABILITY /
HORIZONTAL TECH INTEGRATION

NEAR FIELD ANTENNA /
PLATFORM MODELING



- REDUCED ANTENNA
PATTERN DISTORTION

RECONFIGURABLE
VHF & MULTIBAND
BAND SWITCHED



CECOM Bottom Line: THE WARFIGHTER



Advanced Antennas

- **Major Focus Areas:**
 - Multiband, Multibeam phased-array antennas
 - Re-configurable band-switched antennas
 - Multiband antennas for ground and airborne JTRS radio applications
 - Body borne & low-profile antennas for soldier and Vehicular platforms
 - Modeling and Simulation to validate antenna design efforts
- **Challenge:**
 - Develop antenna products that provide mobility, robustness, interference rejection and form factors required for Objective Force Communications



Advanced Antennas

- **Barriers:**
 - Reducing antenna size while maintaining bandwidth
 - Improving G/T to achieve higher data rates
 - Maintaining uniform antenna VSWR and gain across band
 - Reducing interference
- **Solutions:**
 - Apply thin film ferroelectric and MEMS technologies
 - Develop slow wave spiral antenna technologies
 - Develop reconfigurable band switching technologies



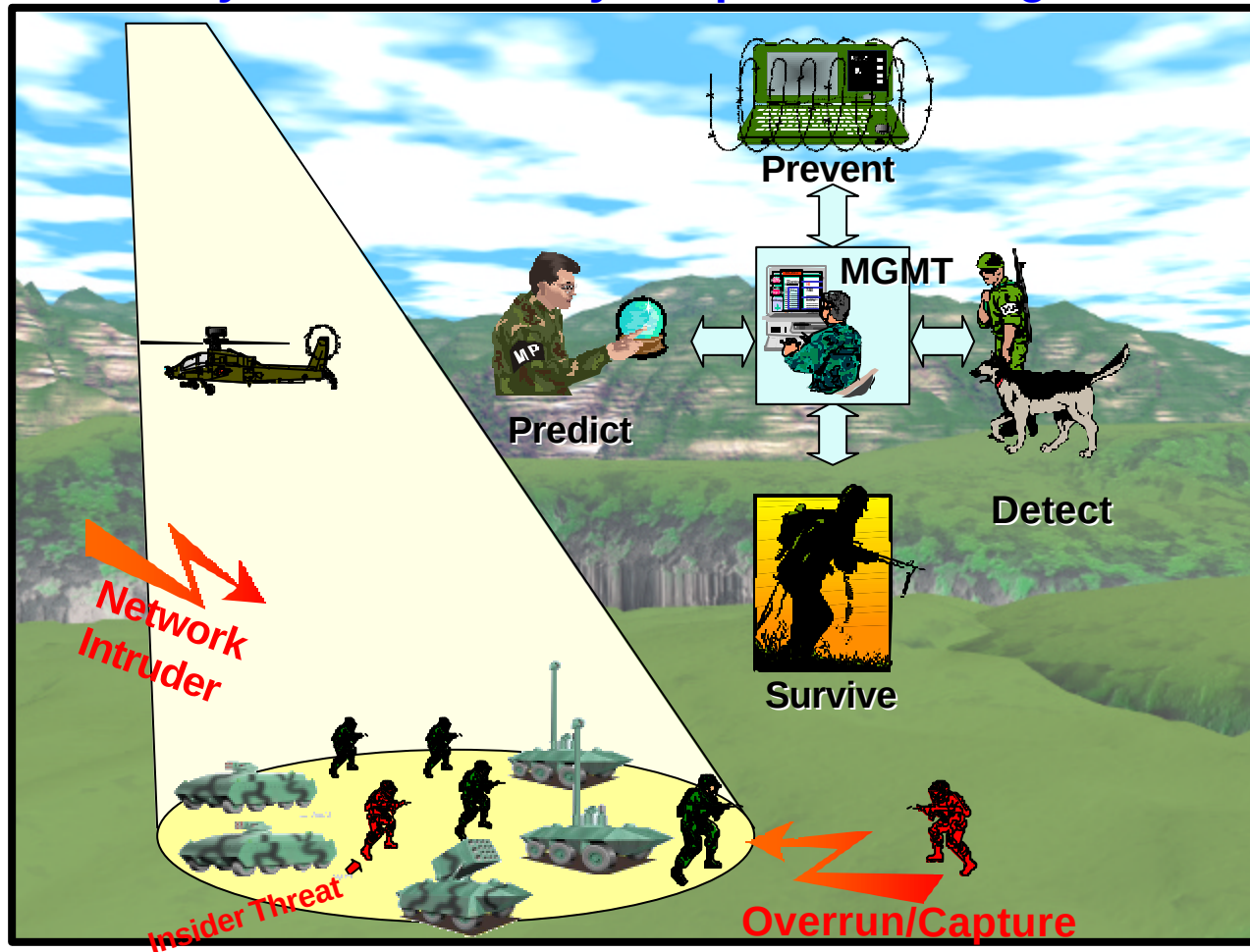
Advanced Antennas

- **OBJECTIVE:** To develop a family of OTM, high gain, low profile antennas and subordinate products covering the 30 MHz to 44 GHz frequency range
- **CONTRACT TYPE:** Combination of Other Transactions, Cost Plus Fixed Fee, Firm Fixed Price, (BAA)
- **ESTIMATED VALUE:** \$8 - \$13M, 5 year effort
- **KEY MILESTONES:**
 - BAA Released 3QFY00
 - Multiple Awards 2QFY03, 2QFY04
(Suggested proposal submission NLT Nov 02 and Nov 03 respectively)
 - Prototype Delivery 2QFY03, 2QFY04, 2QFY05, 4QFY06
- **TECHNICAL CONTACT:** Steve Goodall (732) 532-0445
- **ACQUISITION CONTACT:** Virginia Knight (732) 532-4348
- **SOLICITATION NO:** DAAB07-00-R-L575



Tactical Information Assurance Technology

Objective: Adapt and Develop Critical Information Assurance Component to Insure Network and System Availability Despite Increasing Threats



CECOM Bottom Line: THE WARFIGHTER



Tactical Information Assurance Technology



- **Major Focus Areas:**
 - **Advanced Network Access Control**
 - **Wireless Intrusion Detection**
 - **Synchronized Security Management**
 - **Tactical Public Key Infrastructure**
 - **Mobile Code Authentication**
- **Challenge:**
 - **Inability to protect the Wireless Tactical Networks of the Future Combat Systems and the Objective Force from increasingly sophisticated, organized nation state threats**



Tactical Information Assurance Technology



- **Barriers:**
 - COTS/GOTS products and developments not compatible with Wireless Tactical Networks
 - Information Assurance solutions do not exist for Tactical Wireless
 - Lack of integrated Automated Security Management Tools
 - Ad Hoc Network complicates authentication
- **Solutions:**
 - Smart Adaptation of commercial and Government based tools
 - Adopt, Adapt and Develop advanced tactical software protection tools and techniques



Tactical Information Assurance Technology

- **OBJECTIVE:** To advance the state of the art in wireless tactical protect tools and architecture concepts to enhance the security of the Objective Force
- **CONTRACT TYPE:** Combination of Other Transactions, Cost Plus Fixed Fee (BAA)
- **ESTIMATED VALUE:** \$1- 3M, FY03-07
- **KEY MILESTONES:**
 - BAA Released 3QFY00
 - Call for White Papers 3QFY02 (22 May)
 - White Papers Due 3QFY02 (28 June)
 - BAA Proposals 4QFY02
 - Multiple BAA Awards 1QFY03
- **TECHNICAL CONTACT:** Robert Schenk (732) 427-2069
- **ACQUISITION CONTACT:** Frederick Kolarsick (732) 532-4346
- **SOLICITATION NO:** DAAB07-00-R-L575



Agile Commander Advanced Technology Demonstration

Execution-Centric Decision Support



**Mobile
Distributed
Collaborative**



CECOM Bottom Line: THE WARFIGHTER



Agile Commander Advanced Technology Demonstration

- **Goals**

- Simplify and reduce the time required to plan operations
- Ensure that relevant information is available to warfighters in a timely and common-sense manner
- Create or mature C2 systems to aid the commander and his staff to conduct operations on-the-move

- **Program Characteristics**

- Split-based, distributed battle command that sustains mobile, synchronized and coordinated operations from dispersed locations
- Collaboration, visualization, and semi-automated Course of Action (COA) tools
- Knowledge management and data warehousing
- Software intelligent agents for execution monitoring
- Integration of maneuver and logistics planning



Agile Commander Advanced Technology Demonstration

- **OBJECTIVE:** Technical Research & Development support to the Agile Commander ATD in the areas of:
 - Course of Action (COA) / Continuous Planning
 - Intelligent Agents
 - Interactive Information Visualization
 - Knowledge Management and Warehousing
 - Modeling & Simulation
 - Adaptive Applications
- **CONTRACT TYPE:** Anticipate cost-plus-fixed-fee (offers may propose alternate contract types), BAA
- **ESTIMATED VALUE:** Individual awards from \$25K to \$3M
Total Estimated Value - \$14M
- **KEY MILESTONES:**

Solicitation Published:	8 Aug 00
Proposal Deadline for FY02 Award:	15 May 02
Solicitation Closes:	30 Sep 03
- **TECHNICAL CONTACT:** Varies by topic area; identified in the BAA
- **ACQUISITION CONTACT:** Mr. Andrew Dellomo (732) 532-3569
- **SOLICITATION #:** DAAB07-00-R-L613

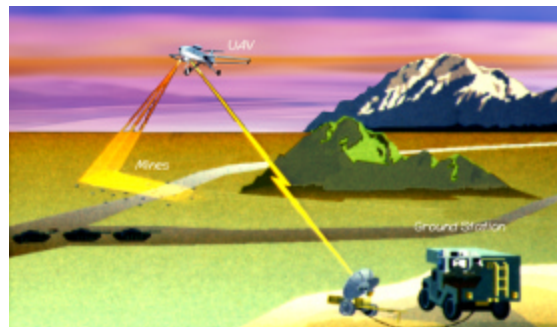


High Tech Omnibus Contract

Night Vision & Electronic Sensors Dir. (NVESD)



False Alarm Reduction



Lightweight Airborne Multispectral
Minefield Detection



Microfactory



Paint the Night
Simulations

Mine Detection

Fabrication and Testing

Multisensor Fusion Processor



320x240 Uncooled
 μ FLIRs

Modeling and Simulation

Sensor Development

CECOM Bottom Line: THE WARFIGHTER



High Tech Omnibus Contract

Night Vision & Electronic Sensors Dir. (NVESD)



- To provide technical, non-personal services for one year with four option years
- Includes R&D for night vision, electronic sensors, and mine detection and systems
- Requires scientists, engineers, computer specialists and other technical experts
- Supports design, fabrication, lab and field testing, and modeling and simulation
- Requires on-site management at Ft. Belvoir, VA



High Tech Omnibus Contract

Night Vision & Electronic Sensors Dir. (NVESD)



- The two High Tech Omnibus Contractors may compete with each other for numerous task orders as needs arise.
- Funding levels achieved for each contractor depend on NVESD needs, funding available, and on number of winning task order bids.
- Contract includes materials purchases, management of subcontractors, and execution of R&D tasks both on-site at Ft. Belvoir, VA, and off-site to complete specific task orders.
- Requires clearances for all on-site personnel and off-site technical employees.



High Tech Omnibus Contract NVESD

- **OBJECTIVE:** Services contract for sensor technologies and prototypes
- **CONTRACT TYPE:** Indefinite del/indefinite quantity, time & materials
- **ESTIMATED VALUE:** Dual award of \$15-\$25M each with 4 option years at \$15-\$25M per year (total \$250M)
- **KEY MILESTONES:** Solicitation 4QFY02
Award 1QFY03
- **TECHNICAL CONTACT:** Susie McDowell 703-704-1252
- **ACQUISITION CONTACT:** Rick Forsberg 732-532-3547
- **SOLICITATION # or RFQ #:** TBD



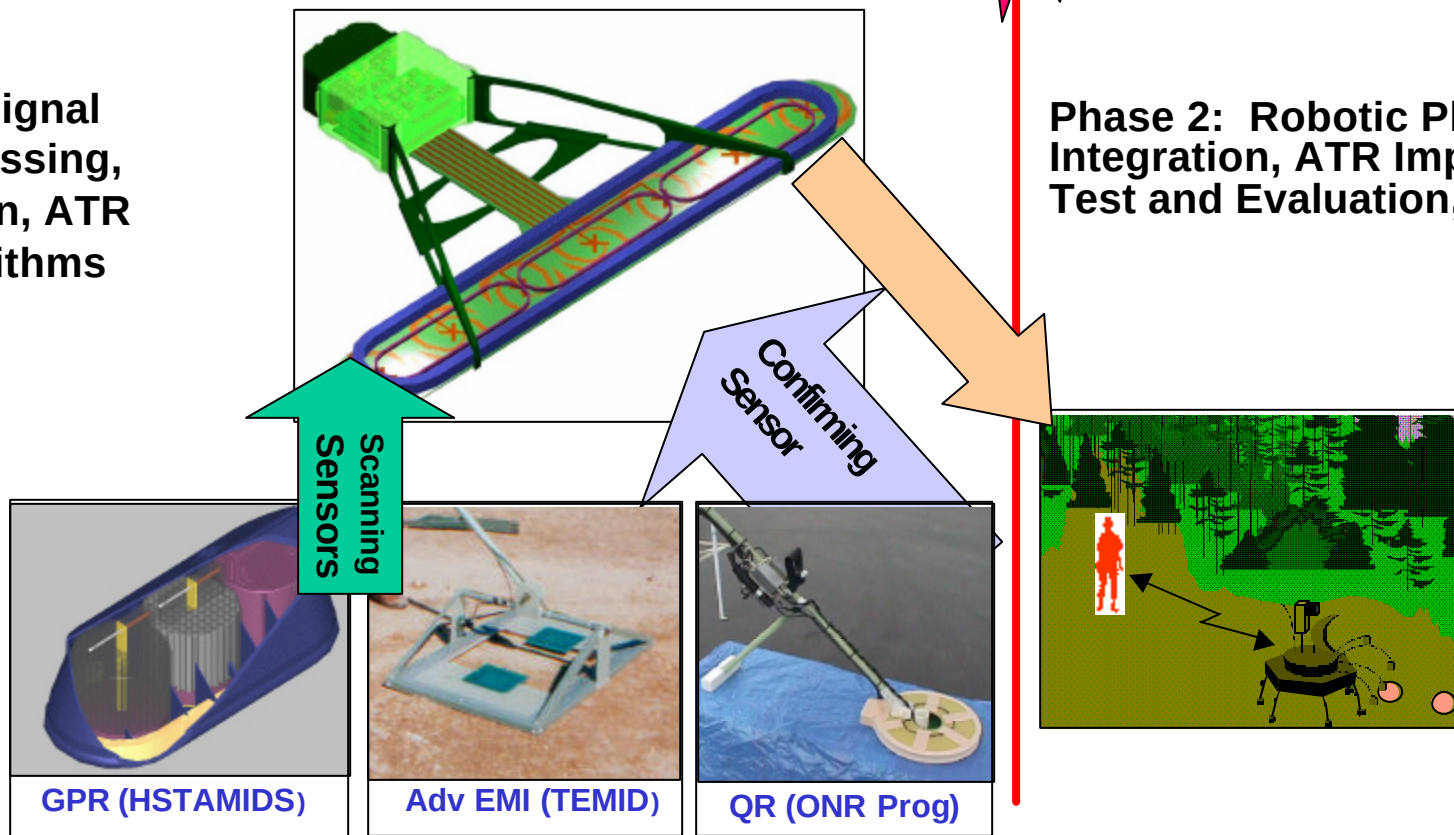
Autonomous Mine Detection Sensors

Phase 1: Autonomous Mine Detection Sensors, FY02-04

Select Platform

Adv Signal Processing, Fusion, ATR Algorithms

Phase 2: Robotic Platform Integration, ATR Implementation, Test and Evaluation, FY04-07



CECOM Bottom Line: THE WARFIGHTER



Autonomous Mine Detection Sensors



- **Develop and demonstrate mine detection sensors and software for autonomous cueing of targets**
- **May include various types of sensors (Ground-penetrating radar, infrared, acoustics, magnetic, chemical, quadrupole resonance, etc)**
- **Configurable for robotic standoff applications**
- **Major investment in aided target recognition algorithms for autonomous detection of anti-personal mines**



Autonomous Mine Detection Sensors



- **OBJECTIVE:** Develop and demonstrate mine detection sensors suite for autonomous platform
- **CONTRACT TYPE:** Cost Plus Fixed Fee
- **ESTIMATED VALUE:** \$9-11M total for multiple contracts
- **KEY MILESTONES:** 3QFY02 BAA for white papers & demo
1QFY03 solicitation
2QFY03 award
FY04 deliver prototype & downselect
FY07 demonstration
- **TECHNICAL CONTACT:** Tom Becker 703-704-1255
- **ACQUISITION CONTACT:** Rick Forsberg 732-532-3547
- **SOLICITATION # or RFQ#:** TBD



SUBJECT MATTER EXPERTS



MANAGERS AVAILABLE AT CECOM EXHIBITS

- **SMALL BUSINESS INNOVATION RESEARCH (SBIR)**
Suzanne Weeks, 732 427-3275
Email Suzanne.Weeks@mail1.monmouth.army.mil
- **INDEPENDENT RESEARCH & DEVELOPMENT (IR&D)**
Barbara Hartley, 732 532-0353
Email Barbara.Hartley@mail1.monmouth.army.mil
- **COOPERATIVE R&D AGREEMENTS (CRDAs)**
Randolph Jackson, 732 532-0364
Email Randolph.Jackson2@mail1.monmouth.army.mil



WEBSITES



- **Broad Area Announcement (BAA):**
<http://abop.monmouth.army.mil/>
Go to *New User Registration* to enroll to view solicitations, etc.
- **Small Business Innovation Research (SBIR)Program:**
<http://www.acq.osd.mil/sadbu/sbir> (Phase I Solicitation)
<http://www.aro.army.mil/arowash/rt/> (Phase II Plus)
- **Independent Research & Development (IR&D)Program:**
<http://www.dtic.mil/ird/>



Ground Combat Command and Control Family of Systems / ABCS SE&I



Mr. Randall Matura

Chief, Business Management Division

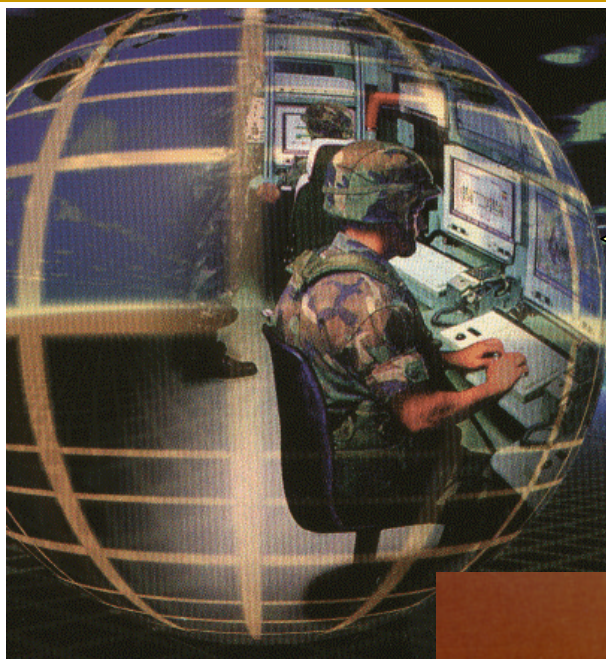
PM Ground Combat Command and Control

(732) 427-3303

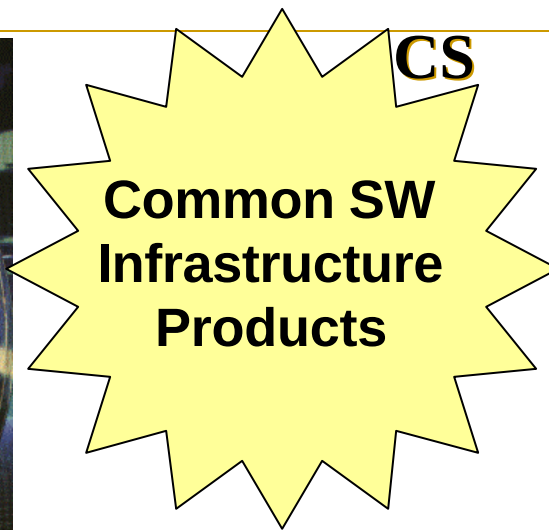
Randall.Matura@c3smail.monmouth.army.mil



Ground Combat C2 Family of Systems



CSSCS



GCCS-A



CS

MCS



Versatile Computer Unit (VCU)



Notebook Computer Unit (NCU)



Ground Combat C2 Family of Systems Objective

- ❑ Path for evolution of Common Software (CS), Combat Service Support Control System (CSSCS), Global Command and Control System - Army (GCCS-A) and Maneuver Control System (MCS) programs beyond ABCS 7.0
 - ➔ Single contract implementation of four separate programs to take advantage of similar/common requirements and evolve the software for releases beyond ABCS 7.0; Includes SW development, SW support, fielding support & training support
 - ➔ Programs themselves will not be combined; CSSCS, GCCS-A and MCS will remain unique fielded systems

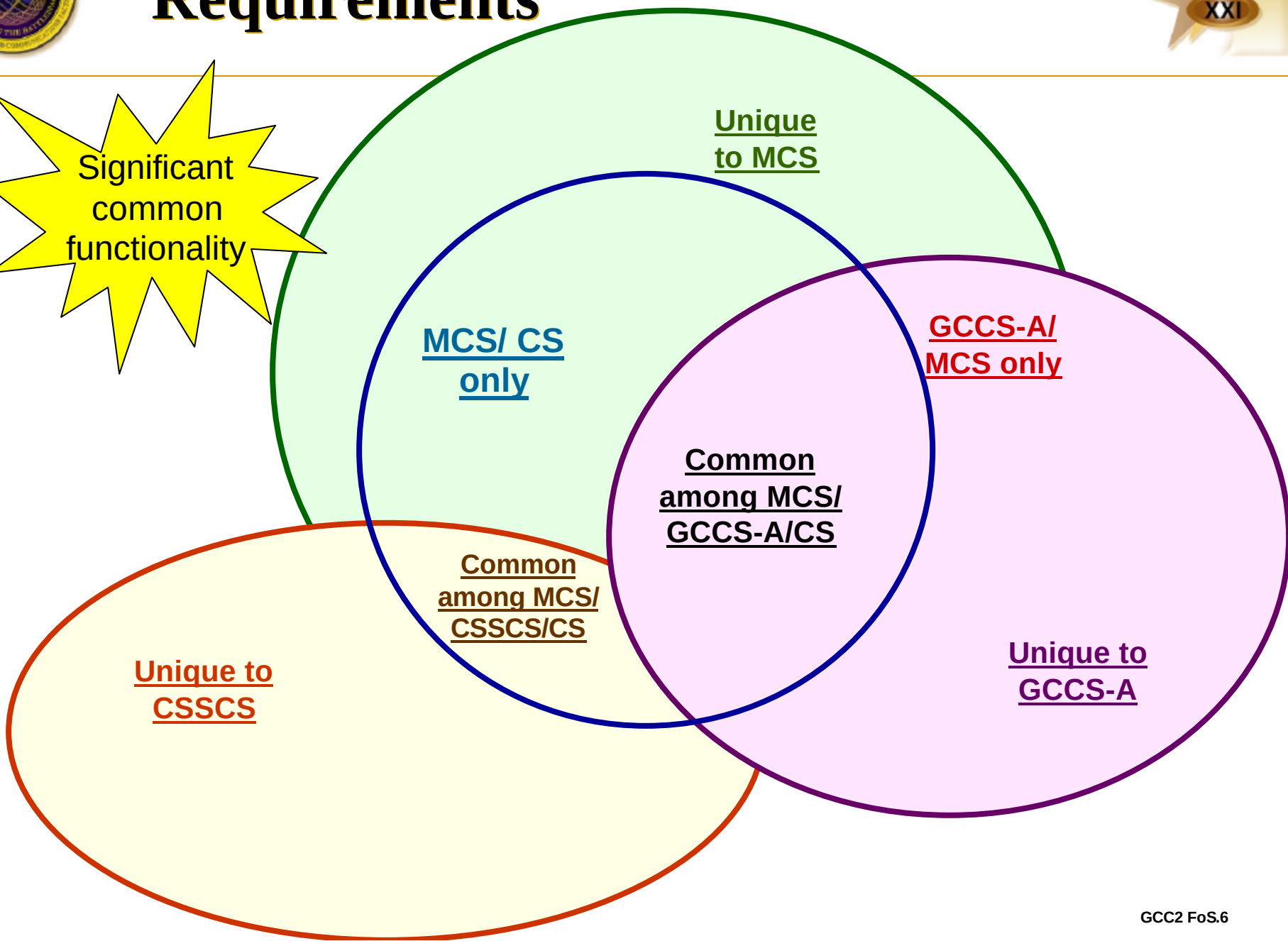
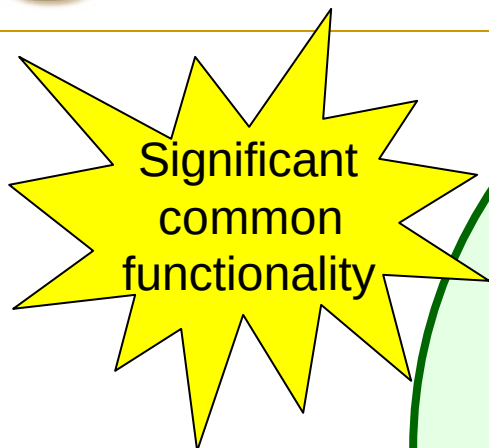


Ground Combat C2 Family of Systems Objective (continued)

- ❑ Contract will include top level ABCS System of Systems (SoS) architecture design and engineering; software development; software support for existing and new versions; fielding & training support
 - ➔ Does not include hardware development / acquisition



Requirements





Major (Significant) Work Elements

- ❑ System of Systems Engineering & Integration (SSE&I)
 - ➔ Top level system of systems architecture and design for ABCS
 - ➔ Baseline is ABCS 7.0 C4ISR documentation
- ❑ Common (Exportable) Infrastructure
 - ➔ Common infrastructure products exported to BASs and integrated with BAS unique applications to become the BAS system
- ❑ Common GC C2 Applications
 - ➔ Applications that are common to CSSCS, GCCS-A and MCS



Major (Significant) Work Elements (continued)

□ Unique GC C2 Applications

➔ SW which is integrated with the common infrastructure and common applications to provide the systems:

- CSSCS
- GCCS-A
- MCS

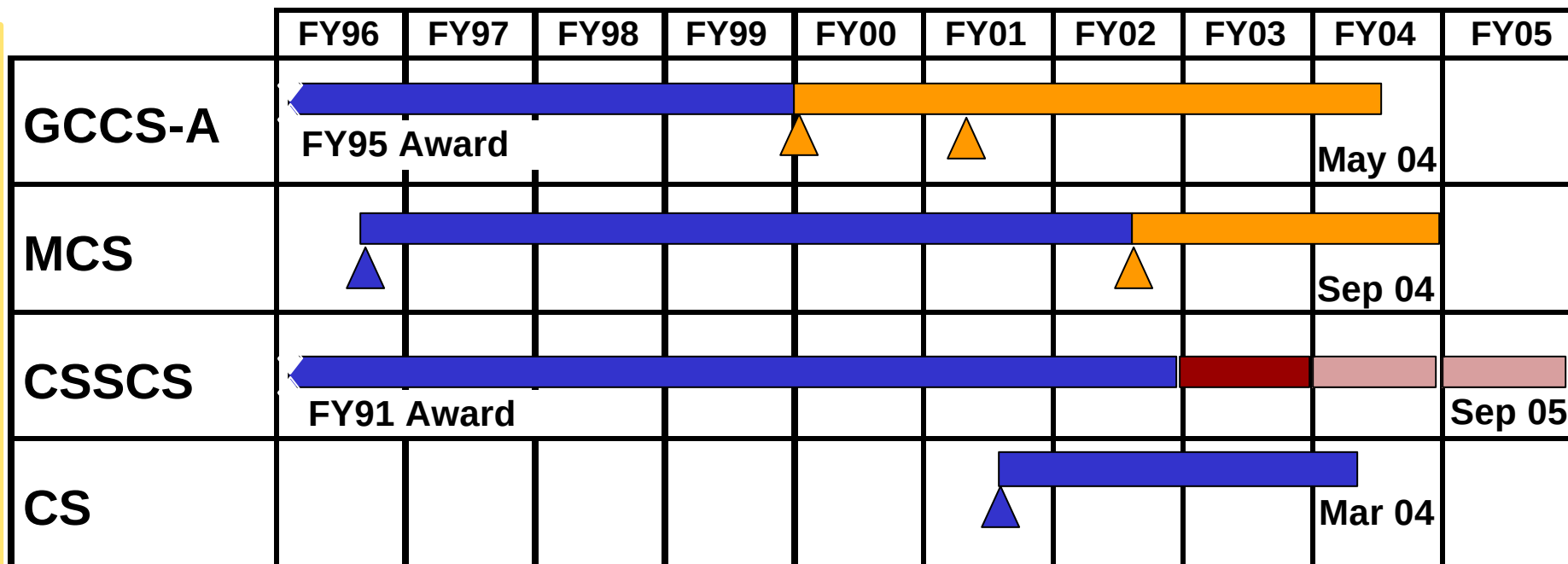
□ Support of Legacy (ABCS 7.0) Systems

- ➔ SW maintenance
- ➔ Fielding support
- ➔ Training



Ground Combat C2 Family of Systems

Current Contracts



Award



Extension



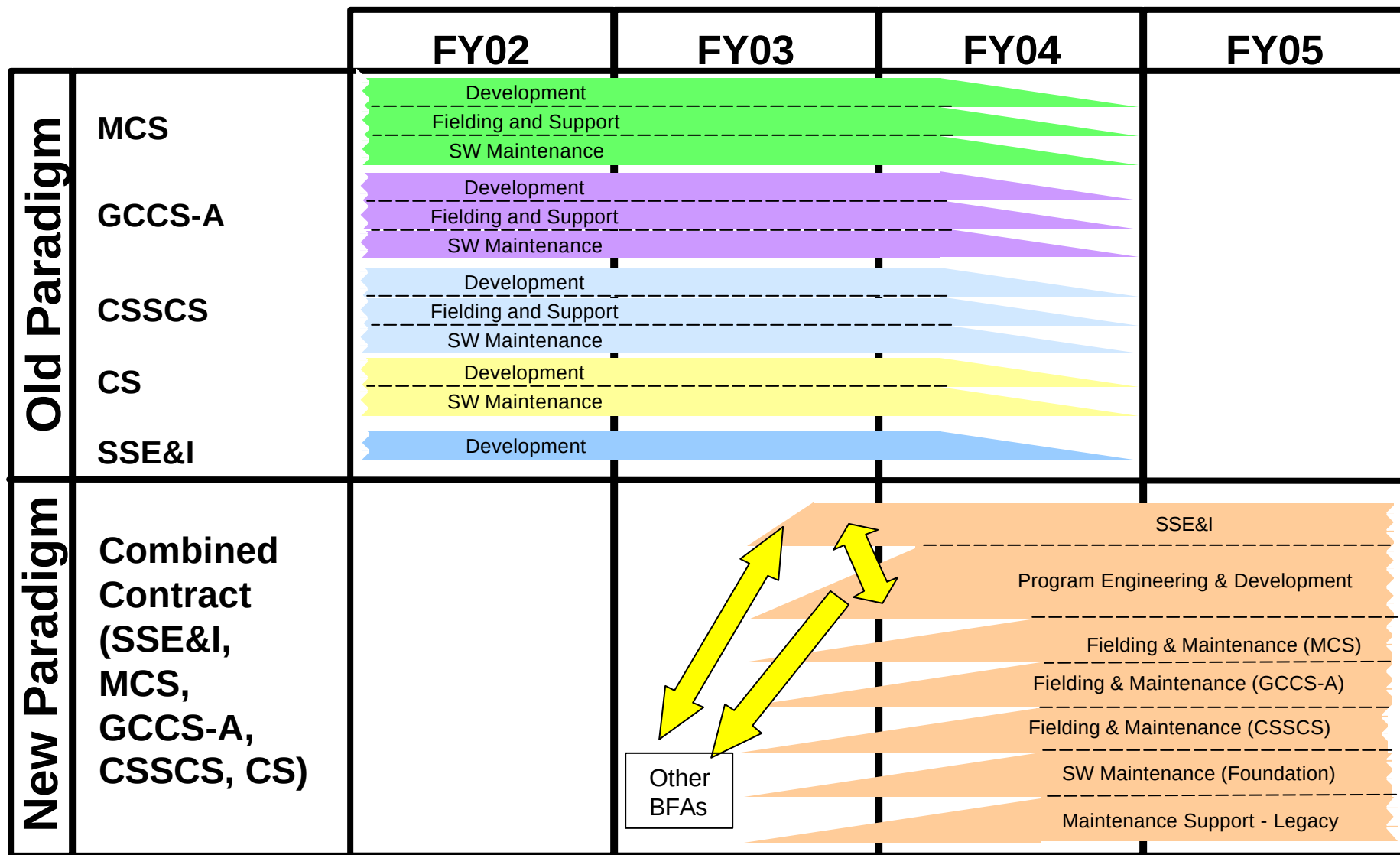
Follow on Contract



Follow on Options (Annual)

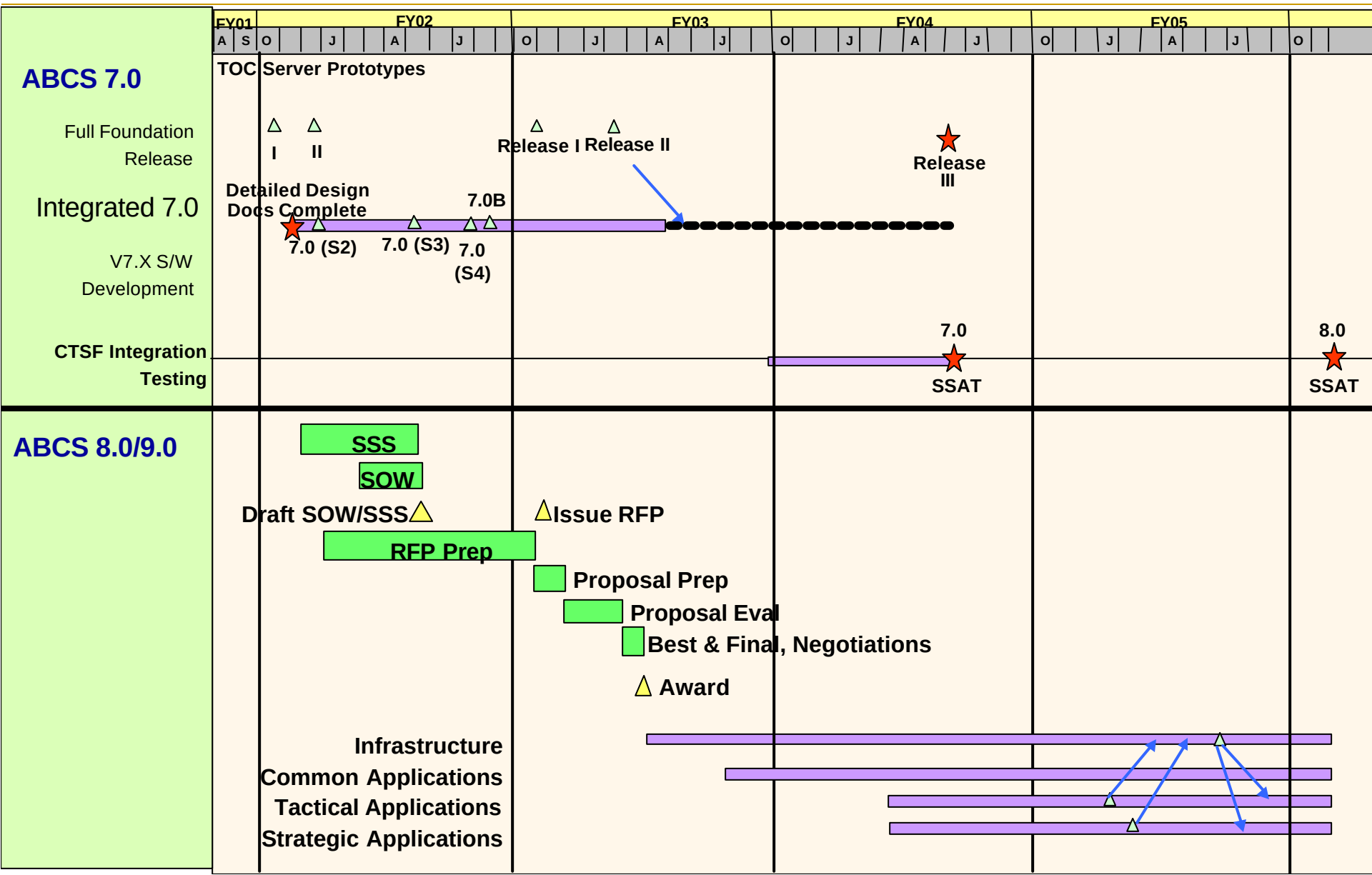


Contractor Responsibilities





Top Level Schedule





Ground Combat Command and Control Family of Systems / ABCS SE&I

- ❑ OBJECTIVE: Single contract implementation of four separate programs to take advantage of similar/common requirements and evolve the software for releases beyond ABCS 7.0; Includes SW development, SW support, fielding support & training support
- ❑ CONTRACT TYPE: TBD
- ❑ ESTIMATED VALUE: \$150M - \$250M
- ❑ KEY MILESTONES (Draft Milestones):
 - ➔ Draft SOW and Spec Released: May 02
 - ➔ Final RFP Released: Nov 02
 - ➔ Award: Apr 03



Ground Combat Command and Control

Family of Systems / ABCS SE&I

- ❑ TECHNICAL CONTACT: Linda Johnston, Tech Management Division, PM GCC2, 732-427-6499
- ❑ ACQUISITION CONTACT: Marcia Easton, CECOM Acquisition Center, 732-532-2385
- ❑ SOLICITATION #: DAAB07-02-R-E802



BACKUP



The Army Battle Command System (6.X)

EAC C2

Joint
COP



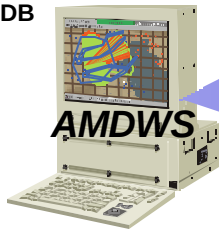
- ATO
- Joint COP
- Air Support Request
- JCDB

Maps



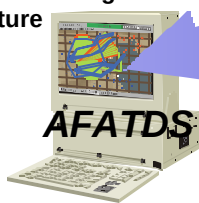
- Local Terrain
- "Go/No-Go" Areas
- JCDB

Air Defense



- Sensor Coverage
- Weapon Coverage
- Air Picture
- JCDB

Fire Support



- USAF TBMCS Interface (JWID)
- Fire Unit Locations
- Range Fans
- Target Locations
- Radar/Observer Locations
- JCDB

Common
Tactical
Picture
(CTP)

Joint Common Database

GCCS-A

MANUEVER

ENGINEER

LOGISTICS

AIR PICTURE

AIR DEFENSE

ENEMY

FIRE SUPPORT

NBC

WEATHER

Air



Weather



Map & Overlay



Maneuver

- OPLAN/OPORD
- Unit Task Organization
- Reports
- JCDB

Logistics



- BRIL / CTIL
- Equipment Status Report
- CSSCS Capability Report
- JCDB

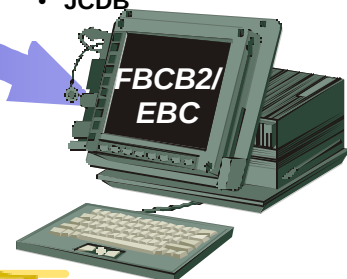
Intelligence



- Secondary Imagery
- Intelligence Summary
- Enemy Locations
- Enemy Geometries
- JCDB

Battle Command

Situation Awareness



- Weather Effects Matrix
- Battle Scale Forecast Model
- JCDB

PROGRAM EXECUTIVE OFFICE COMMAND CONTROL AND COMMUNICATIONS TACTICAL

GCC2 FoS.15



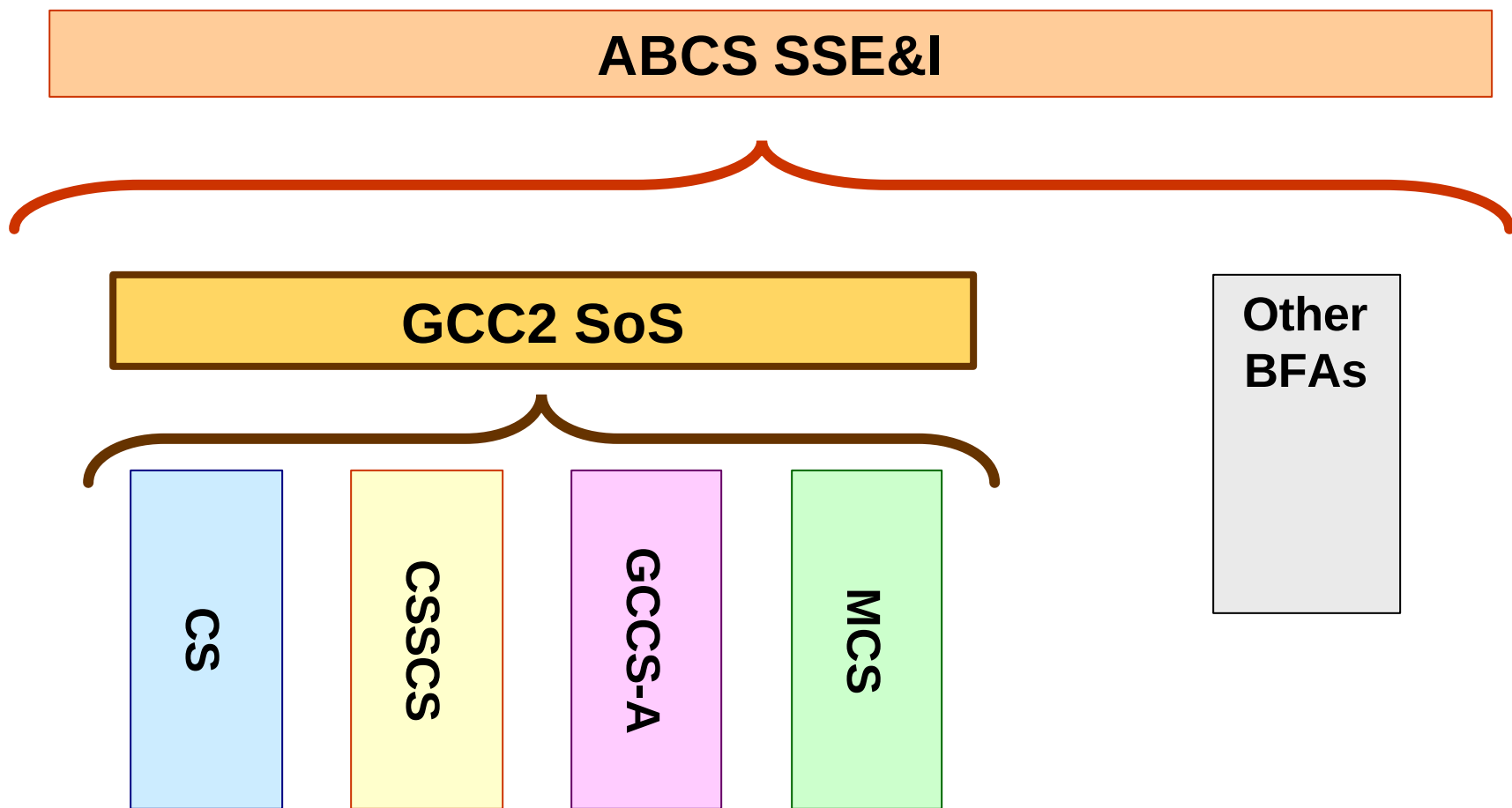
ABCS System of Systems Engineering & Integration (SSE&I)

Mission:

- Develop top level system of systems architecture and design for the ABCS Battlefield Automation Systems (BASs).



System of Systems





Common Software

Mission:

- Develop/acquire/integrate/test/manage, for DoD, several key areas within the Defense Information Infrastructure Common Operating Environment (DII COE) which will provide improved interoperability and software reuse for the services. PM Common Software serves as the Army's DII COE Chief Engineer. Provides technical support to the Army and Joint Systems in migration to DII COE infrastructure.

Characteristics/Description

- Client/Server
- Open Architecture
- Four Layer Software Model
- COTS Based

Capability/Improvements

- Data Access
- Latest Software Technology
- Common Message Parsing
- Communications
- Alerts
- Network Management
- Foundation Products/Integration

Special Features

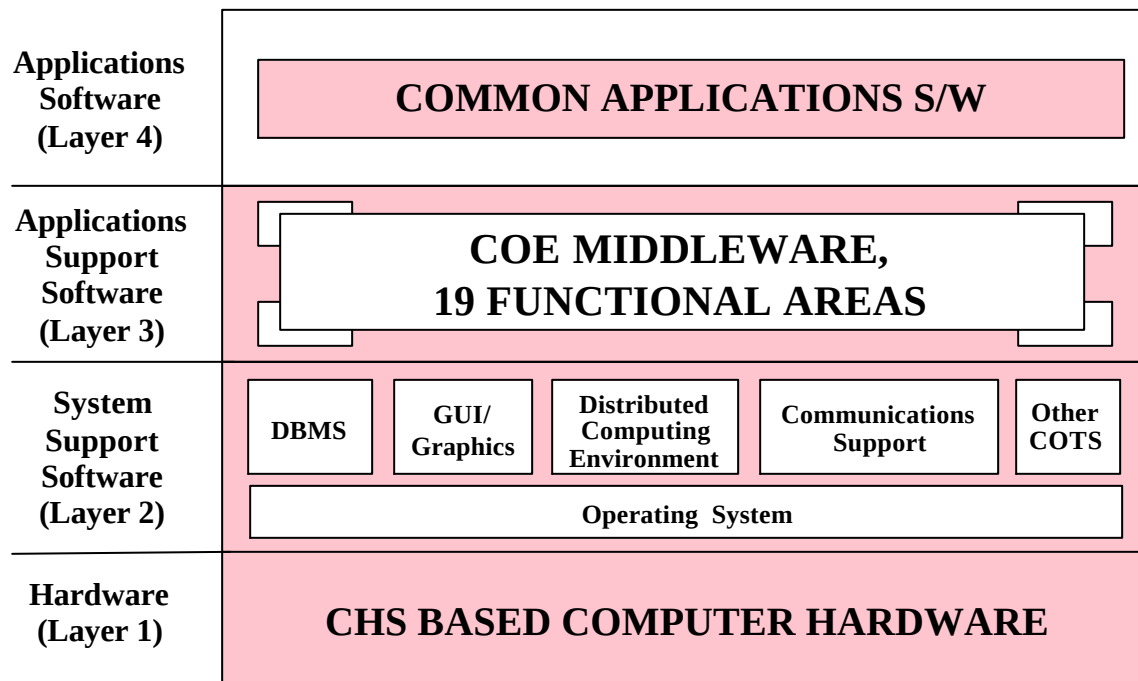
- None



Common Operating Environment

PEO C3T CONCEPTUAL ARCHITECTURE

- The architecture facilitates maintainability, portability, interoperability and reusability
- Common architecture provides the interface to COTS software
 - Promotes product independence
 - Protects the application programs from COTS changes
 - Enhances application portability





Global Command & Control System - Army (GCCS-A)



MISSION:

- Provide critical automated C2 tools for Army Strategic and theater commanders to enhance warfighter capabilities throughout the spectrum of conflict during joint and combined operations in support of the National Command Authority
- Provide interface between Joint and Combined Forces (Joint GCCS) with Tactical Army Battle Command Systems (ABCS)

CHARACTERISTICS/DESCRIPTION:

- Army's strategic and theater C2 system
- Strategic system provides readiness reporting and mobilization and deployment of active, guard, and reserve forces
- Theater system provides Common Operational Picture (COP) and associated information as well as intra-theater planning and movement

SPECIAL FEATURES:

- Consolidation of AWIS, STACCS and TACCIMS C2 Systems, including Common Worldwide Theater Baseline
- Army implementation of Joint GCCS, COE and JTA Compliant
- Nearly all hardware is COTS
- Significant software reuse
- Operates at Secret/High over DISA SIPRNET

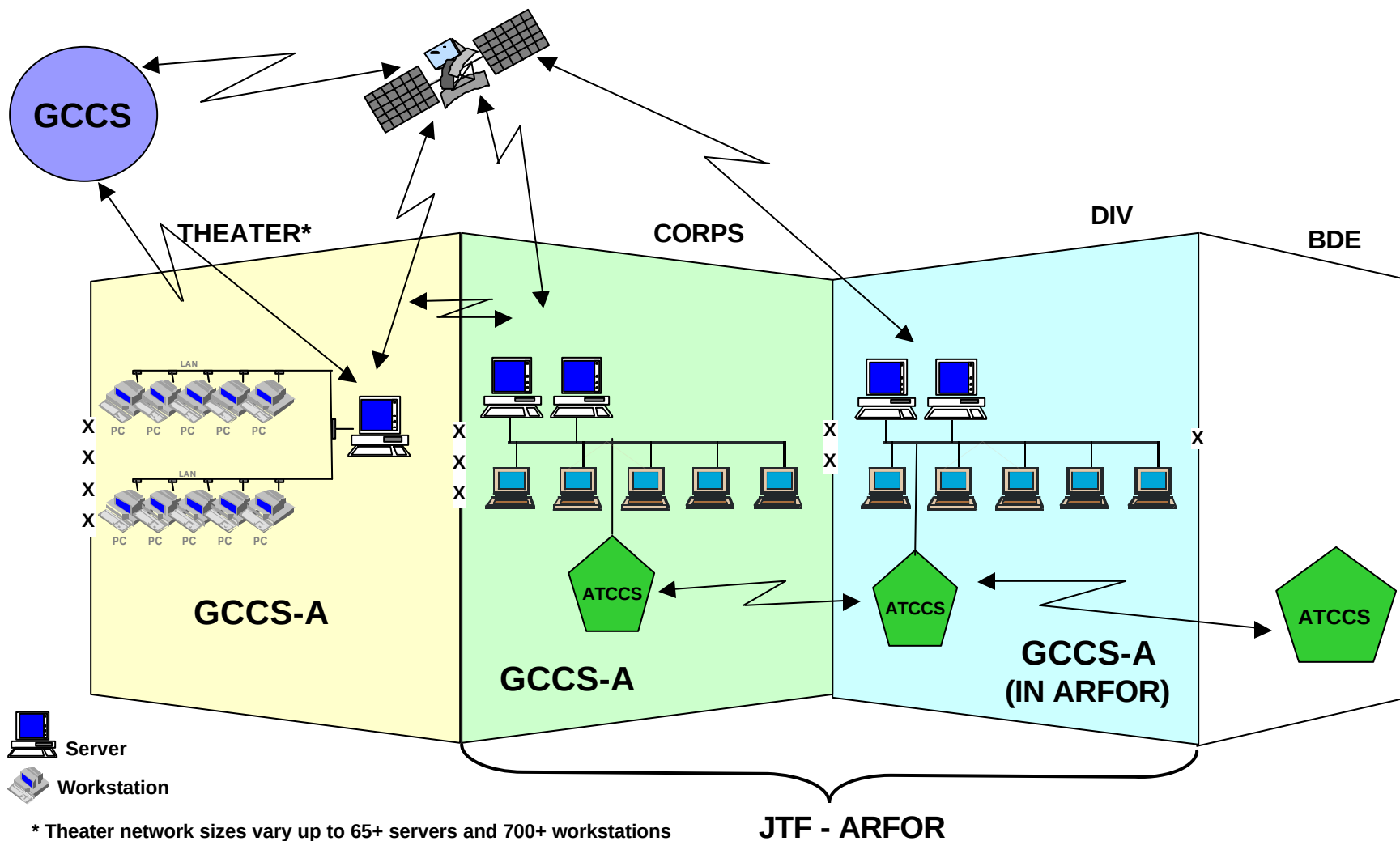
CAPABILITY/IMPROVEMENTS:

- Current applications include friendly and enemy unit status; interoperability with Joint and other Service Systems
- Interoperability with ABCS being developed
- Future applications will include improved Strategic/Theater Logistics, Engineer, Medical, Personnel, NBC, Provost Marshal (among others)
- Will maintain compatibility with COE and JTA updates



GCCS-A Overview

Providing Link between Tactical Battlefield and Strategic & Theater Commanders





Combat Service Support Control System (CSSCS)

Mission:

- Provide the Combat Service Support (CSS) component of the Army Battle Command System (ABCS)
- Provide the Battle Commanders and CSS Commanders and staffs a Logistic Command and Control decision support tool to practice focused logistics and achieve the transformation objective force

Characteristics/Description

- Operates within ABCS architecture
- Collects, stores, analyzes and disseminates critical logistics, medical, transportation and personnel information
- Computer software system designed to assist CDRS and their staffs in planning and executing logistics operations

Capability/Improvements

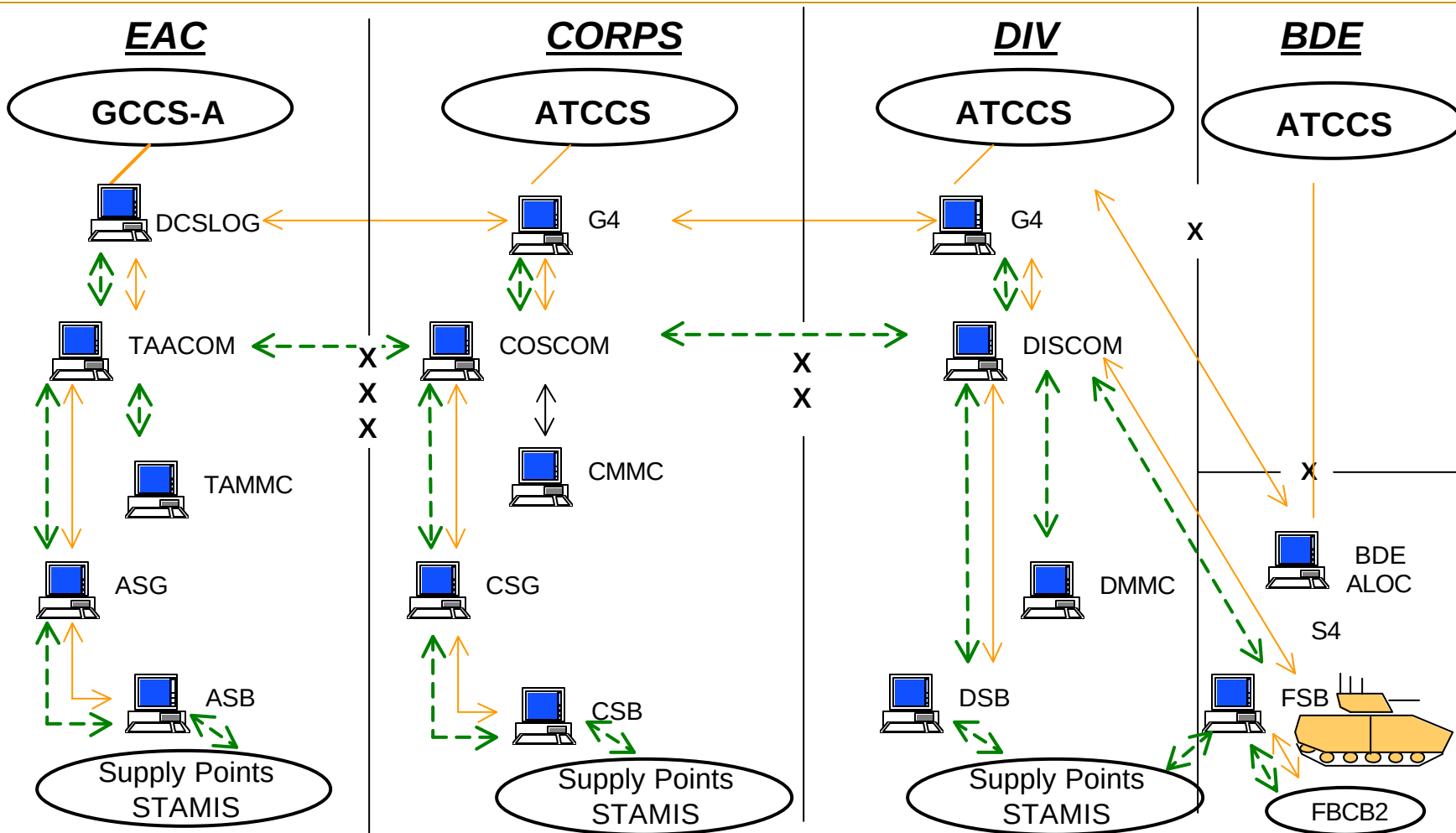
- Version 3 - Initial Operational Capability
- Version 4 - Enhanced CSS and First Digitized Division (FDD) Functionality
 - Initial transportation, medical, and personnel functionality
- Version 5 - Objective tactical functionality; Joint and Combined Operations; First Digitized Corps (FDC) Functionality

Special Features

- Provides CSS C2 for transformation through:
 - Common Hardware/Software
 - Reuse Software
 - System unique capabilities and functionality
 - Housed in a variety of Standard Integrated Command Post System (SICPS) Shelters
 - Technology insertion VIA LOG C2 ATD



CSSCS Overview



Data Flow C2/Unit Status
Log Status

DCSLOG - G4 - G4 - S4
TAACOM - COSCOM - DISCOM
TAMMC - CMMC - DMMC

BDE ALOC ↔
ALOC ↔



CSSCS Workstation



Maneuver Control System (MCS)

Mission:

- Provide corps through battalion force level commanders and staffs the ability to swiftly collect, coordinate and act on near real time battlefield information and to graphically visualize the digitized battlefield.

Characteristics/Description

- Maneuver Battlefield Functional Area (BFA) in Army Tactical Command and Control System
- Provides Commander with Common Picture of the Battlefield
- Uses Common Hardware/Software-2 Hardware

Capability/Improvements

- Commanders' Computer
- Staff Planning
- OPLAN/OPORD
- Resource Management
- Collaborative Planning

Special Features

- Digitization of Battle Command
- Uses Defense Information Infrastructure Common Operating Environment
- Evolution with Future ABCS Capabilities (e.g., ABCS 7.0, 8.0, etc.)



MCS Overview

What:

Common Hardware
DII COE Common Software
MCS Application Modules

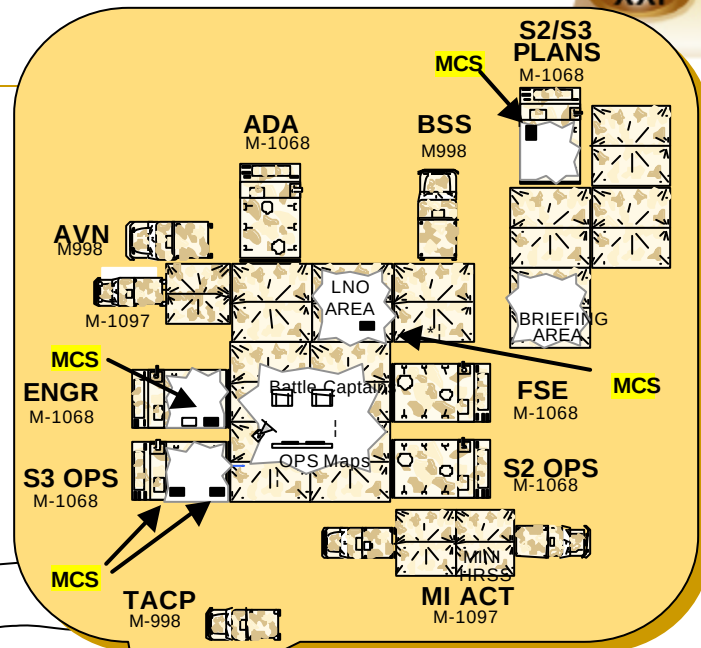
Where:

ALL Armor, Infantry, Aviation, Engineer, Chemical, Military Police, Intelligence, Signal, and Special Force Units from Corps to Battalion.

Ultra/Sparc
(Servers)



Pentium Class
Laptops



CORPS

XXX

DIVISION

XX

BDE

X

BN

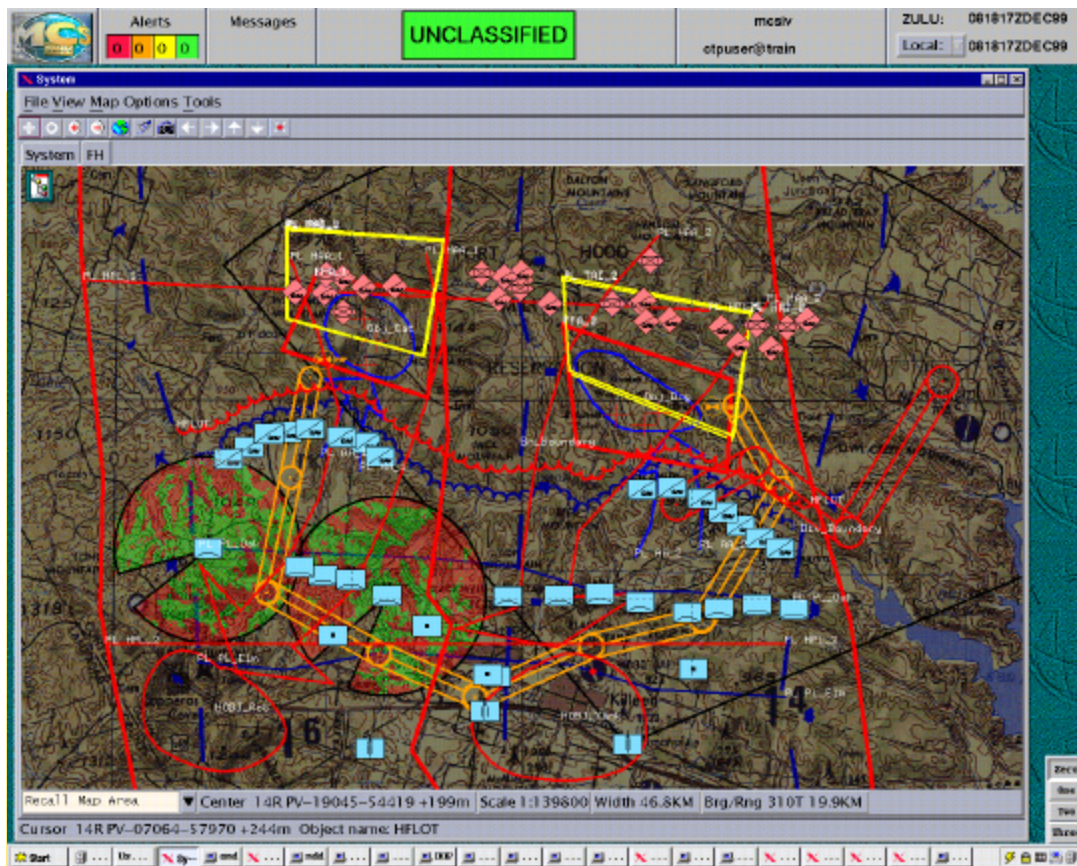
TOC

XXX

	PER CORPS	PER DIVISION	PER BDE	PER BN
SERVICES	184	86	13	3
LAPTOPS	95	103	12	2



Common Tactical Picture (CTP)



- ❑ Centerpiece of ABCS
Common Look and Feel
- ❑ Near-Real-Time Situational
Awareness
- ❑ Reflective of Joint
Architecture
- ❑ Common, Interactive
Database
- ❑ Implemented by all BFACs
- ❑ Allows for an Unparalleled
User-Tailored View of the
Battlefield



Common Hardware Software - 3

Mr. Randall Matura
Chief, Business Management Division
PM Ground Combat Command and Control

(732) 427-3303
Randall.Matura@c3smail.monmouth.army.mil



Common Hardware Software - 3

Common Hardware Systems Mission

- Manage the acquisition process for Common Hardware and Commercial Off the Shelf (COTS) Software.
- Ensure that all delivered hardware and software meet the requirements of the contract, statement of work, and product specifications
- Manage the processing of all CHS engineering change proposals, orders, and task orders to ensure delivery of products on schedule and within cost.
- Ensure incorporation of Technology Insertion into the CHS product lines (hardware and software) IAW PEO C3T strategic plans and as required to support customer needs.



Common Hardware Software - 3

Purpose

Provide a standard suite of (commercial and rugged) computers, peripherals, software and programming support environment components that will operate and survive in the battlefield. CHS-3 is targeted for the Army's command and control systems, and is also available for all DoD and Federal Agencies.



Common Hardware Software - 3

Strategy

Competitive procurement of COTS and enhanced non-developmental hardware and software.

- Best Value Award
- Indefinite Quantity Indefinite Delivery (IDIQ)
- 10 Year Contract; with 5 Years of Warranty (minimum) from date of delivery
- 3 Versions of products:
 - V1 - Commercial/Commercial with minor modifications
 - V2 - Ruggedized for survivability in tactical environment
 - V3 - Near Mil-Spec
- Technology Insertion
- Technical Assistance and Support Services (TASS)



Generic Examples of V1/V1+, V2, & V3

V1, Commercial



PC



Rack-mounted server

V1+, Commercial Rugged



Rugged
Laptop

V2 Fully Rugged



Tactical Lightweight
Computer



Tactical Comms
Device



Tactical Rack-
mounted Server

V3 Near MIL-SPEC Rugged



Tactical Portable
Computer



Common Hardware Software - 3

Hardware

- Computers: Servers, workstations, handheld computers, notebook computers, PDA's
- Displays: Flat panels, medium and large screen displays, multi-tiled displays, projectors
- Storage: Mass storage devices, RAID systems, removable hard disk drives
- Power Supplies: Uninterruptible power supplies (UPS), power converters, power conditioners
- Peripherals: Printers, scanners, Fax machines, special purpose boards
- Network devices: Routers, Switches
- Tactical communications modem devices
- Cables, mounting kits, transit cases
- Programming Support Environment (PSE) Hardware



Common Hardware Software - 3

COTS Software

- UNIX and Windows Operating Systems
- Graphical User Interface
- Data Communications Software
- Word Processing
- Relational Database Management System
- Spreadsheet
- Business Graphics and Presentation Package
- Malicious S/W Detection and Prevention
- Programming Support Environment (PSE) Software



Common Hardware Software - 3

Technical Assistance and Support Services

Ten Year Time And Material Portion Of Effort

- Includes, But Not Limited To:
 - Out of Warranty Repair
 - Support for BFACS Materiel Fielding
 - Analysis of CHS-3 Hardware and Software Requirements
 - Integration of HW/SW Into New or Existing Systems.
 - Training Packages
- Tasks Are Defined By And Funded By Customers



Common Hardware Software - 3

Challenges

- 10 years of pricing
- Dealing with obsolescence
- Incorporating new technologies



Common Hardware Software - 3

Contract Information

- Objective: Purchase a family of (commercial and rugged) common hardware, peripherals, common software and programming support environment to satisfy user requirements for the input, processing, storage, retrieval, reproduction, presentation and transmission of data that will operate and survive in the battlefield.
- Contract Type: IDIQ with Firm Fixed Price and Time & Materials features
- Estimated Value: \$2B ceiling over 10 years
- Key Milestones:
 - Draft RFP released to Industry - 7/02
 - RFP Release - 10/02
 - Award 5/03
- Technical Contact: George Chan, 732-427-0507
- Acquisition Contact: Ms. Mona Thomas, 732-427-1540
- Solicitation #: DAABO7-02-R-E002



Army
Transformation

XXI

**Program Executive Office
Command Control Communications Tactical**

Overview

May 2002

Mr. John Perrapato

**Deputy Program Executive Officer
Command, Control and Communications Tactical**



PEO Charter



PROGRAM EXECUTIVE OFFICER

IN ACCORDANCE WITH DEPARTMENT of DEFENSE DIRECTIVE 5000.1

and

MY APPOINTMENT, BY ORDER OF THE SECRETARY OF THE ARMY,

as the

ARMY ACQUISITION EXECUTIVE

I hereby designate

BG Michael R. Mazzucchi

as the Program Executive Officer for

Command, Control and Communications Systems

As Program Executive Officer, you will utilize the Family of Systems concept to ensure integration and interoperability are achieved between Army programs to support a full spectrum force.

You will, as the responsible management official, provide overall direction and guidance for the development, acquisition, testing, product improvement, and fielding while ensuring total ownership cost reduction. You will establish processes that facilitate communication, cooperation, information exchange, and collective decision-making between and among organizations.

You will maintain the Army perspective in managing your programs and will report directly to me. You will keep the leadership fully informed of program status and report any matters that could affect the Army's ultimate commitment to the program. Your responsibilities include planning and executing the transition of programs and systems when appropriate.

You will place primary management emphasis and oversight on balancing cost, schedule, performance and supportability while capitalizing on acquisition reform initiatives. You will also ensure compliance with applicable national policies to include environmental protection and socio-economic programs.

You will lead and directly control assigned program managers. You will ensure that acquisition workforce career development and competency standards are actively pursued. You will also serve as an advocate to ensure the necessary force structure is in place to support acquisition career development programs.

You are hereby delegated full line authority as the Program Executive Officer for the management of assigned programs. Unless rescinded, this designation will remain in effect until your reassignment.


Acting Army Acquisition Executive

**...development, acquisition,
testing, systems integration,
product improvement and
fielding of assigned programs.**

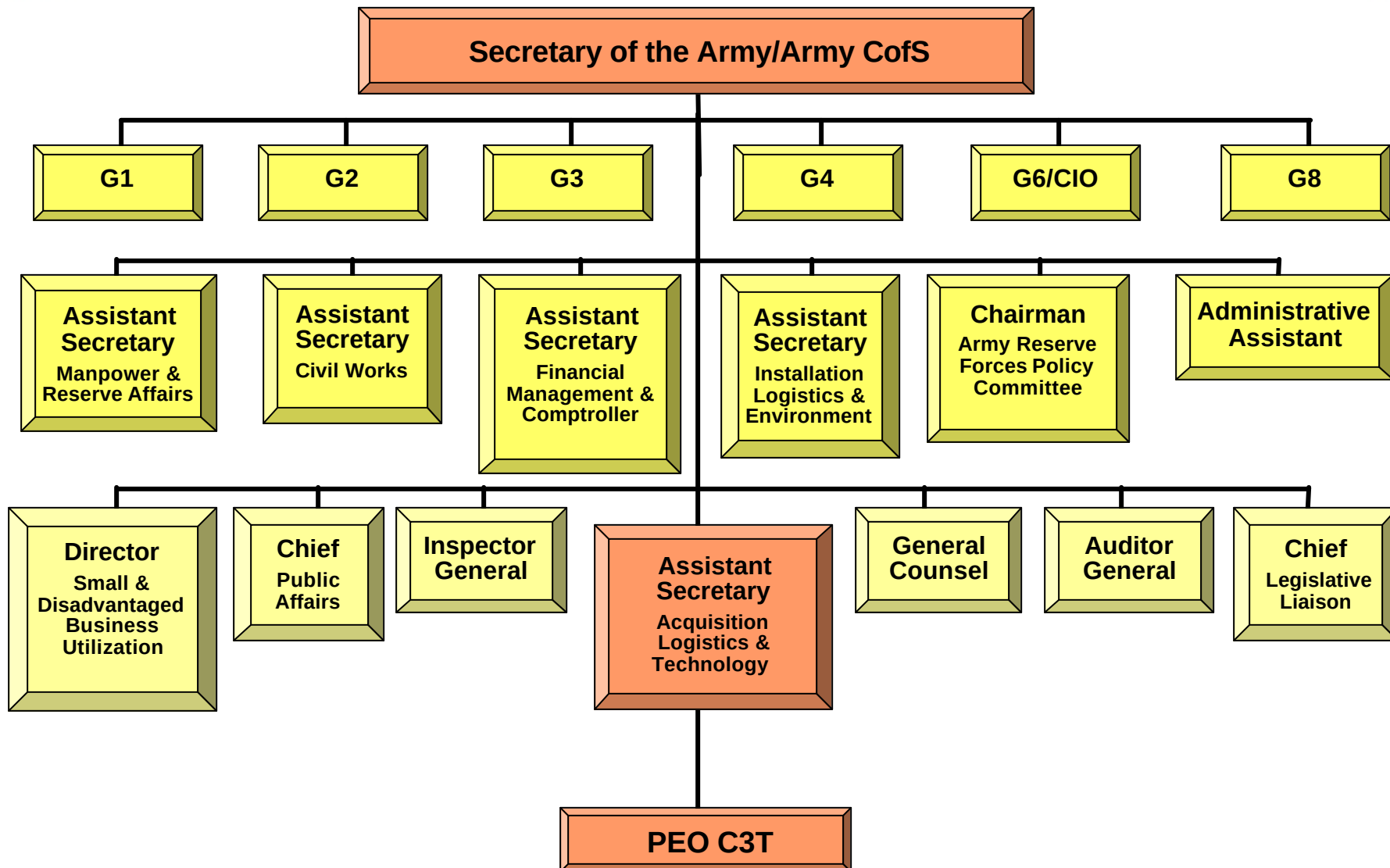
Mission Statement

To rapidly develop, field, and support leading edge, survivable, secure and interoperable tactical, theater and strategic command and control and communications systems through an iterative, spiral development process that results in the right systems, at the right time and at the best value to the warfighter.

“System Architect for Tactical Army”



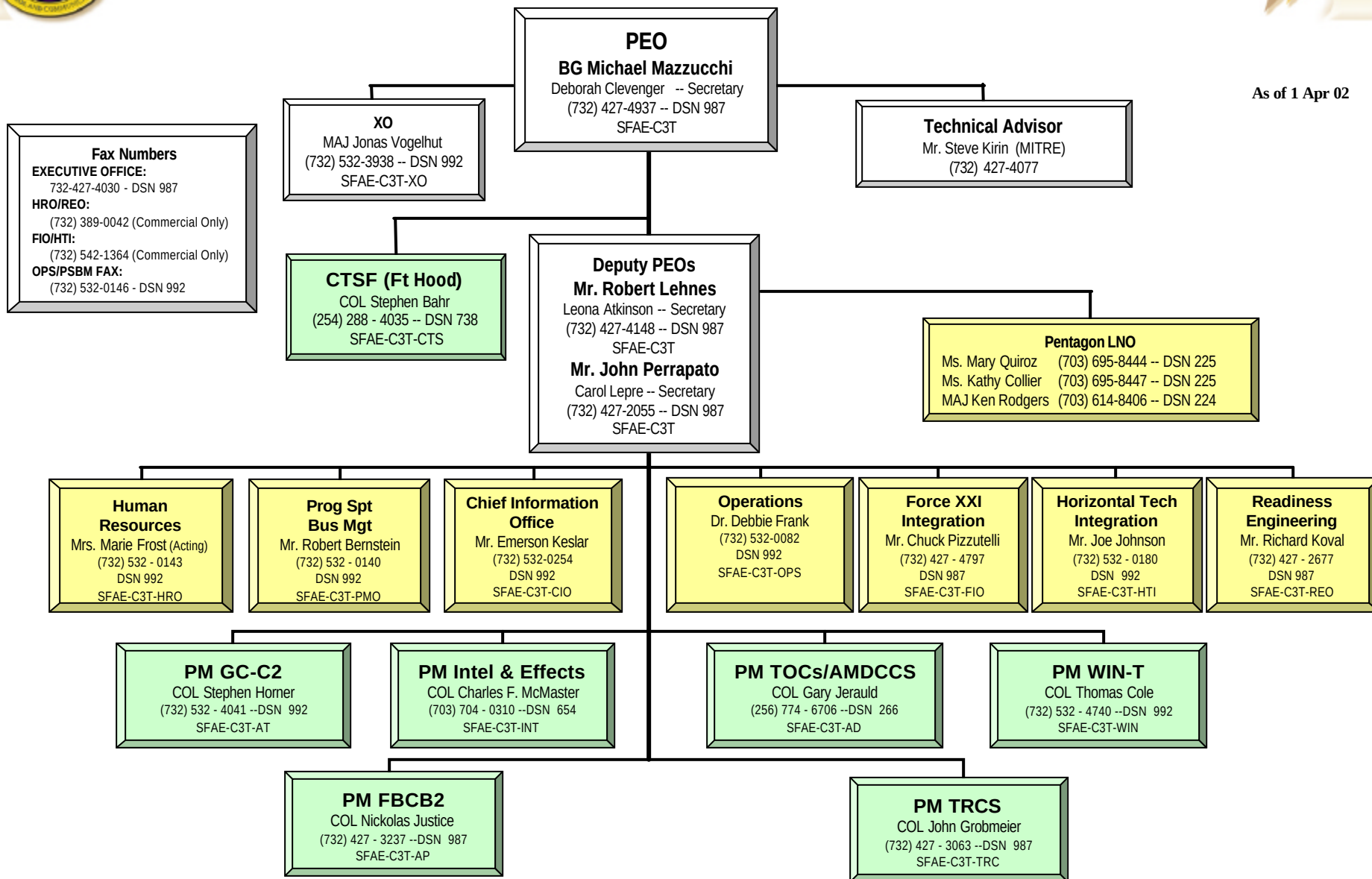
Headquarters *Department of the Army*





PEO C3T

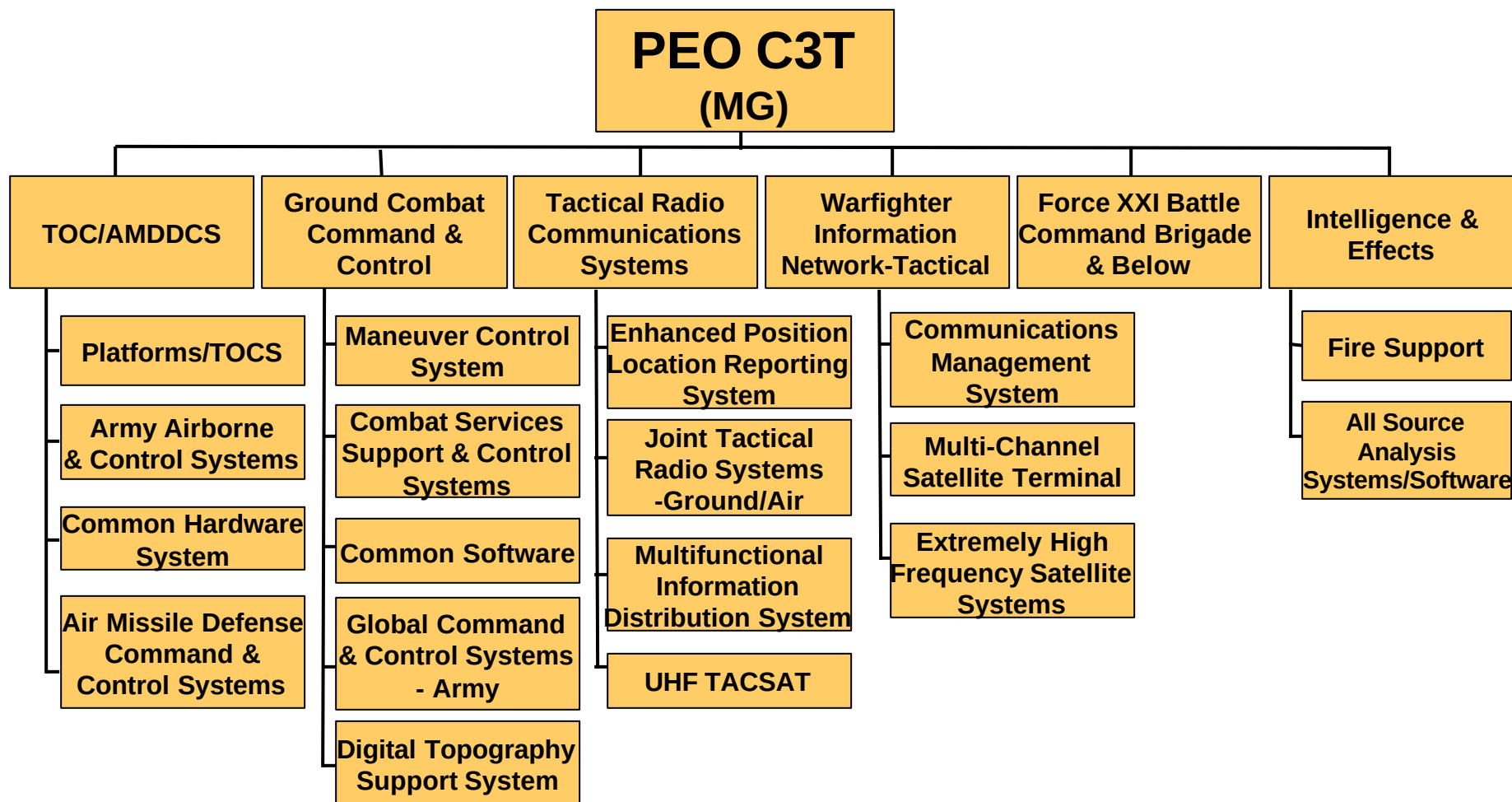
As of 1 Apr 02





PEO C3T

Command, Control & Communications Tactical





PEO C3T Acquisition Programs

System	ACAT	Phase	System	ACAT	Phase
<u>FBCB2</u>			<u>TOCs/AMDCCS</u>		
FBCB2	ID	EMD/LRIP	A2C2S	TBD	EMD
<u>GCC2</u>			AMDPCS	III	Production/PFDOS
CSP	Pre-MDAP	TBD	CHS	II	EMD
CSSCS	II	Production/Deployment	FAADC2	II	PFDOS
DTSS	III	Production/Deployment	SICPS	III	PFDOS
GCCS-A	IAC	Production/Deployment	TOCs	III	PFDOS
MCS	ID	EMD/PFDOS	<u>WIN-T</u>		
<u>Intelligence & Effects</u>			ACUS MOD	Post-MDAP	Production/Deployment
AFATDS	II	EMD/Production/PFDOS	AKMS	III	EMD/Production*
ASAS	II	Production/Deployment	GBS	III*	SDD
IFSAS	III	PFDOS	ISYSCON	III	PFDOS
IMETS	III	PFDOS	JNMS	III	Production/Deployment
LFED	III	PFDOS	SCAMP BLK II	III	Production/Deployment
LWTFDS	III	Production	SECOMP	III	Production
<u>TRCS</u>			SMART-T	IC	Production
CSEL	*	EMD	STAR-T	III	Production/Deployment
EPLRS (ADDS)	II	Production/Deployment	WIN-T	Pre-MDAP	TBD
FHMUX	III	Production			
JTIDS/MIDS	III	PFDOS			
JTRS (G/A)	ID	EMD/LRIP			
NTDRS (ADDS)	III	PFDOS			
Spitfire	III	Production/Deployment			
SINCGARS	II	Production/Deployment			

36 Programs
- 5 ACAT I Programs
- 7 ACAT II Programs

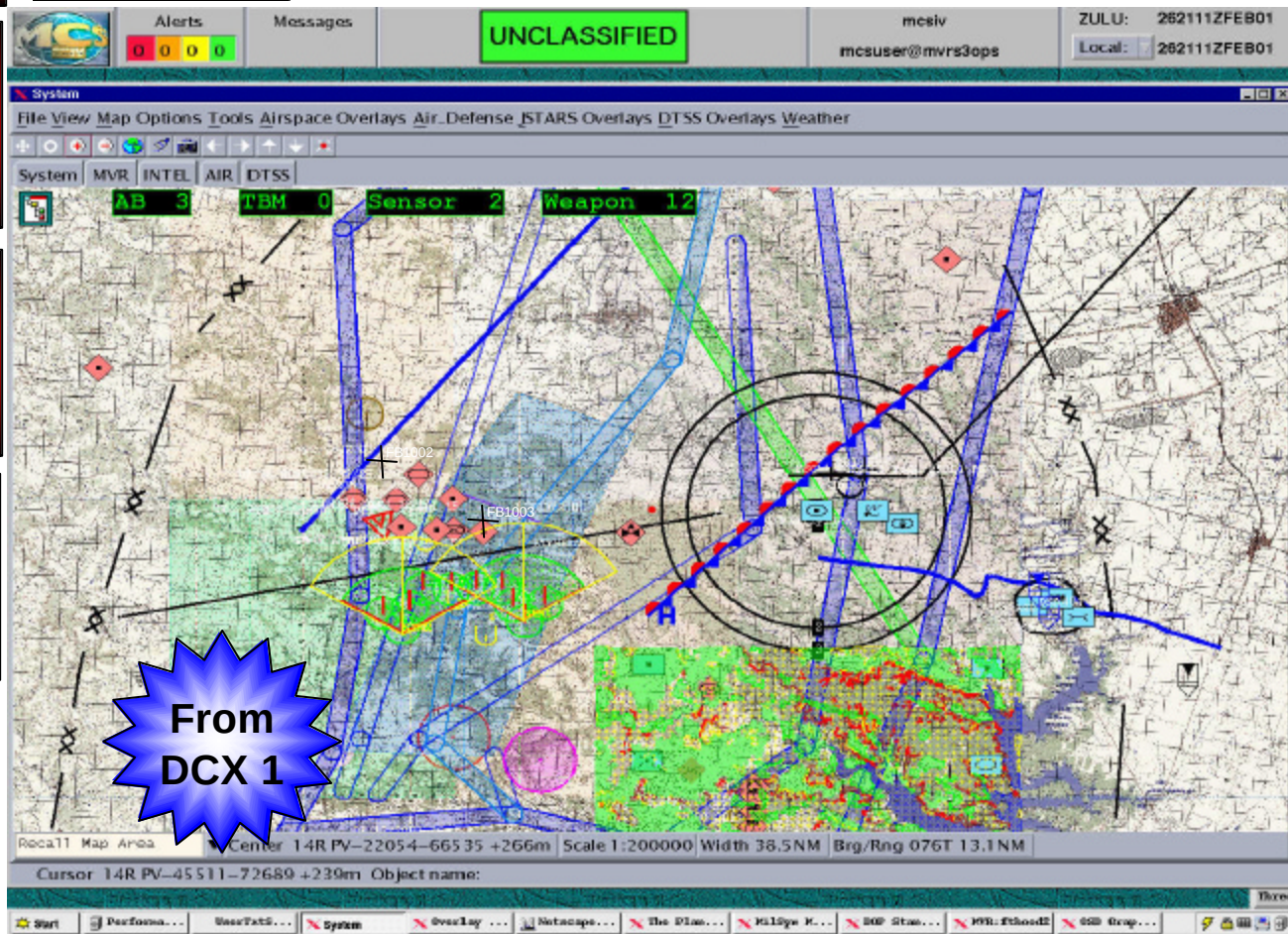
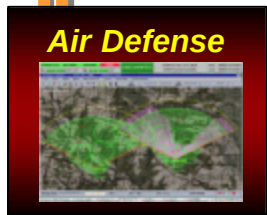
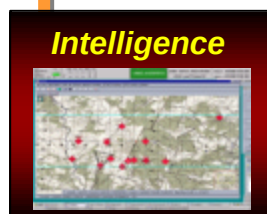
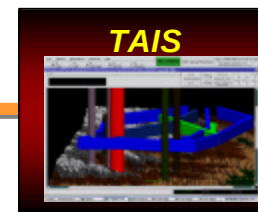
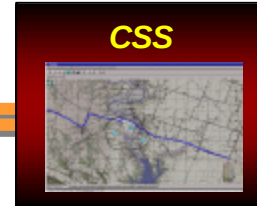
•Multi-service program
- USAF lead

EMD - Engineering & Manufacturing Development
SDD - System Development & Demo
PFDOS-Production/Fielding Deployment/Op Spt





Creating Common Tactical Picture ABCS 6.2



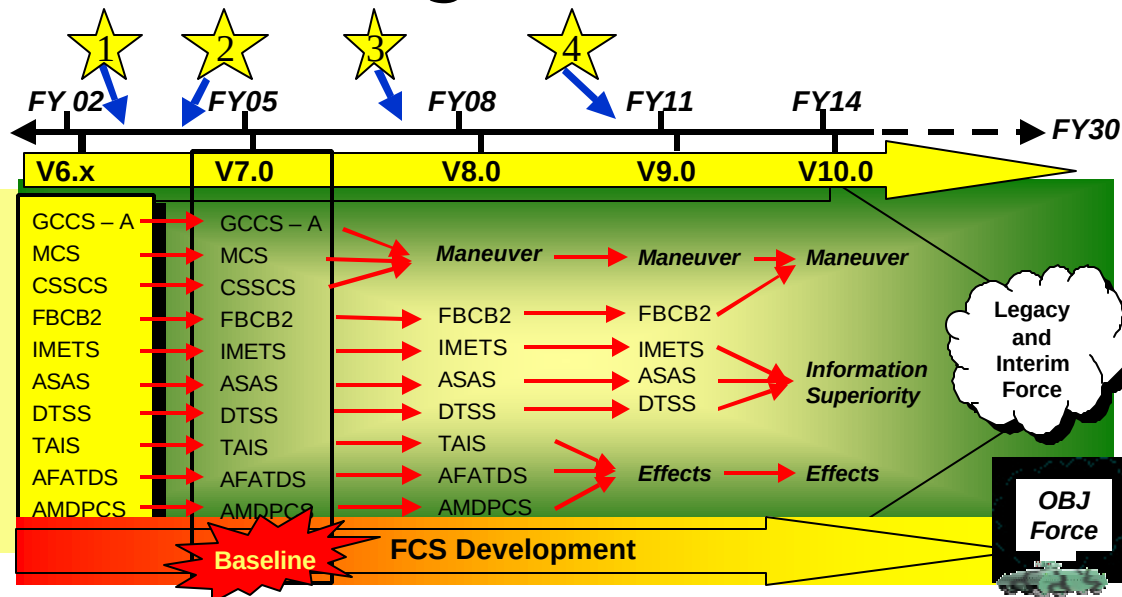
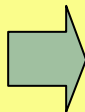


PEO-C3T's Tactical and Strategic Focus

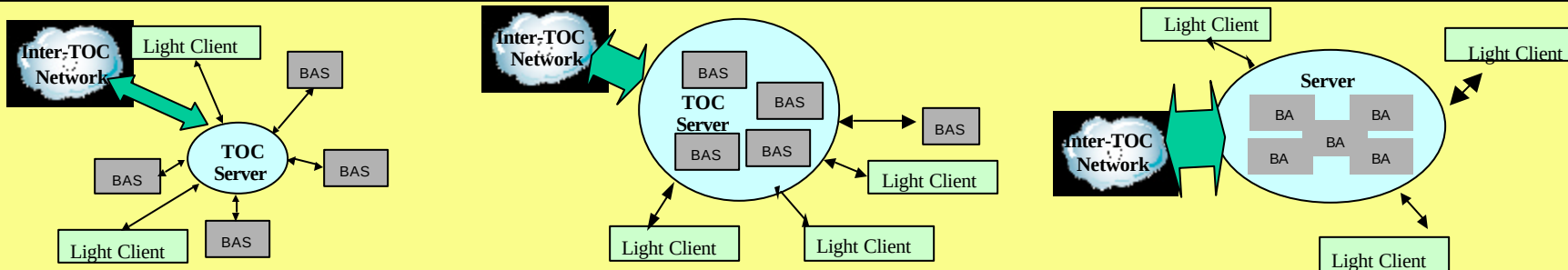
Tactical Focus

Crossing the LD with 6.3

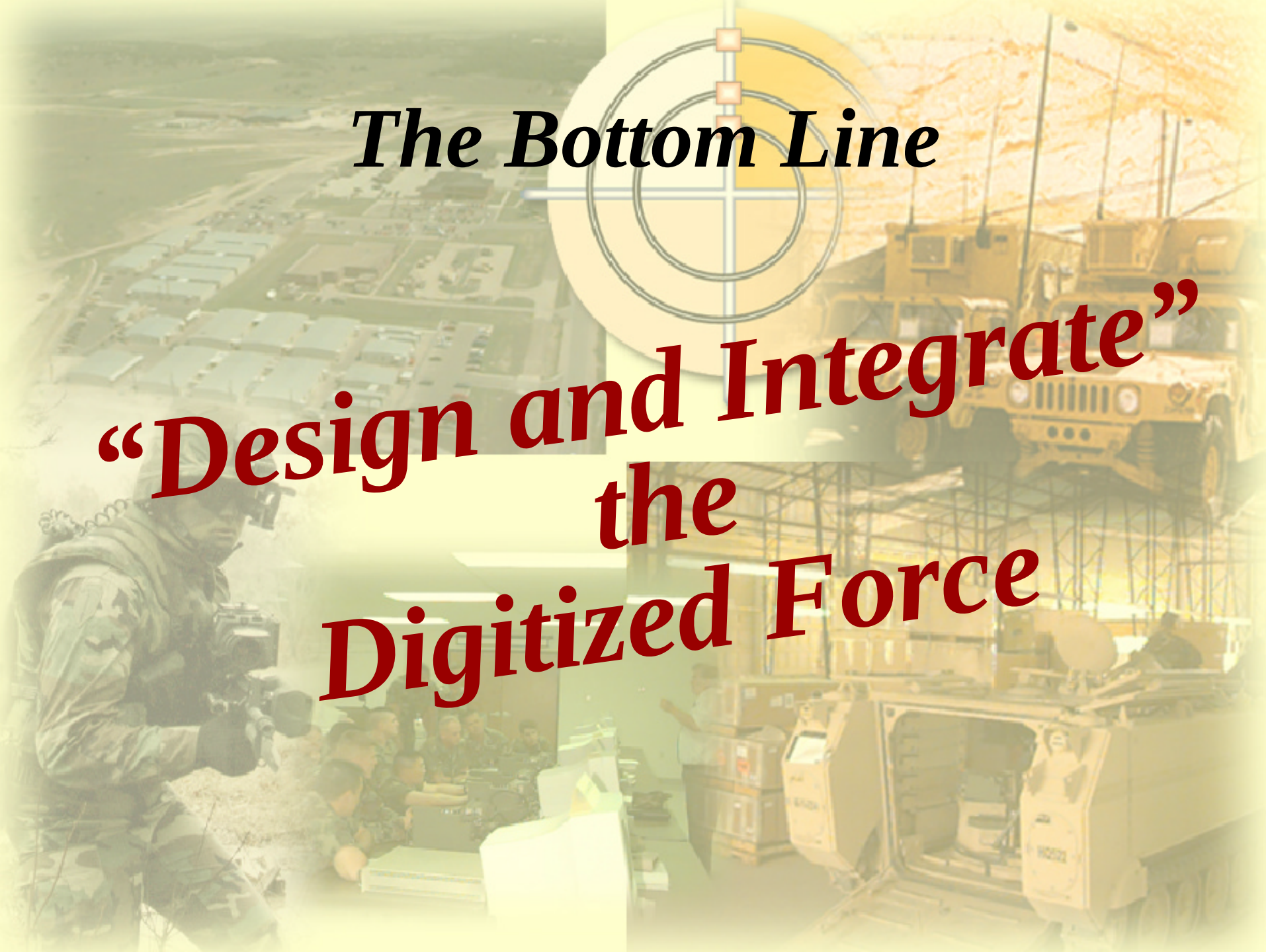
- Strict entrance criteria
- Evaluation guidelines
- Stabilized participants
- Aggressive schedule
- Support concept



Strategic Focus



- Developing C3 system that supports CA Commander, is less complex, more robust - leads to OF solution
- Developing support concept to enable worldwide release of ABCS
- Answering growing demand for digitization throughout the Army



The Bottom Line

***“Design and Integrate”
the
Digitized Force***



PEO C3T Contract Opportunities

Ground Combat Command and Control Migration Common Hardware Systems – 3

Mr. Randy Matura
Chief Business Management Division
Project Manager, Ground Combat Command and Control



ENTERPRISE SYSTEMS ENGINEERING

MR. EDWARD C. THOMAS

DIRECTOR, CECOM SOFTWARE ENGINEERING CENTER

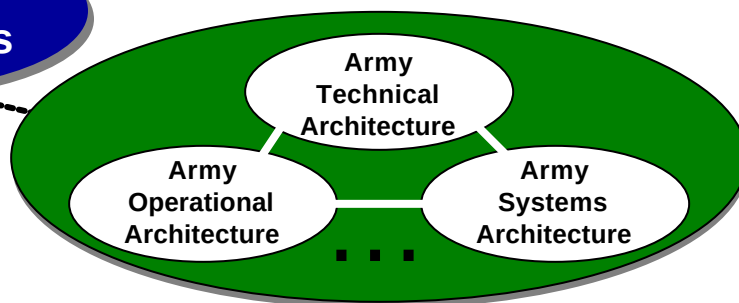
(732) 532-8207

edward.thomas@mail1.monmouth.army.mil

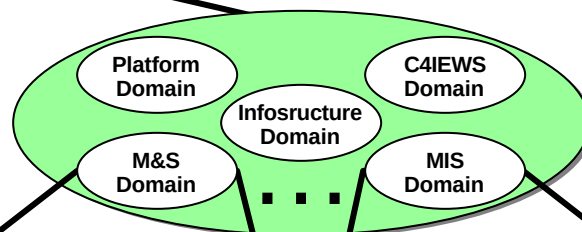


ARMY ENTERPRISE CONTEXT

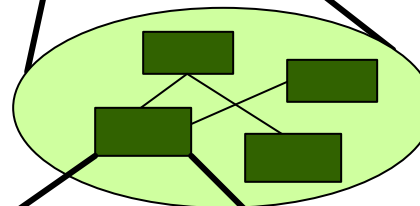
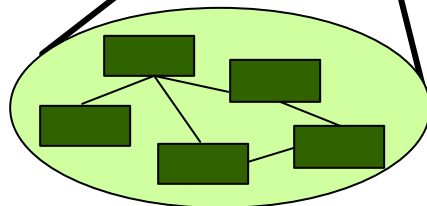
Joint/DoD
Architectures



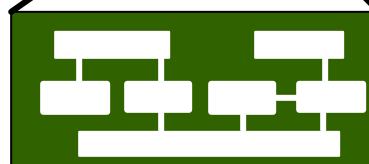
Army Enterprise



Army Domains



*Army Systems of
Systems*



*Individual Army
System & Software*

CECOM Bottom Line: THE WARFIGHTER



TODAY

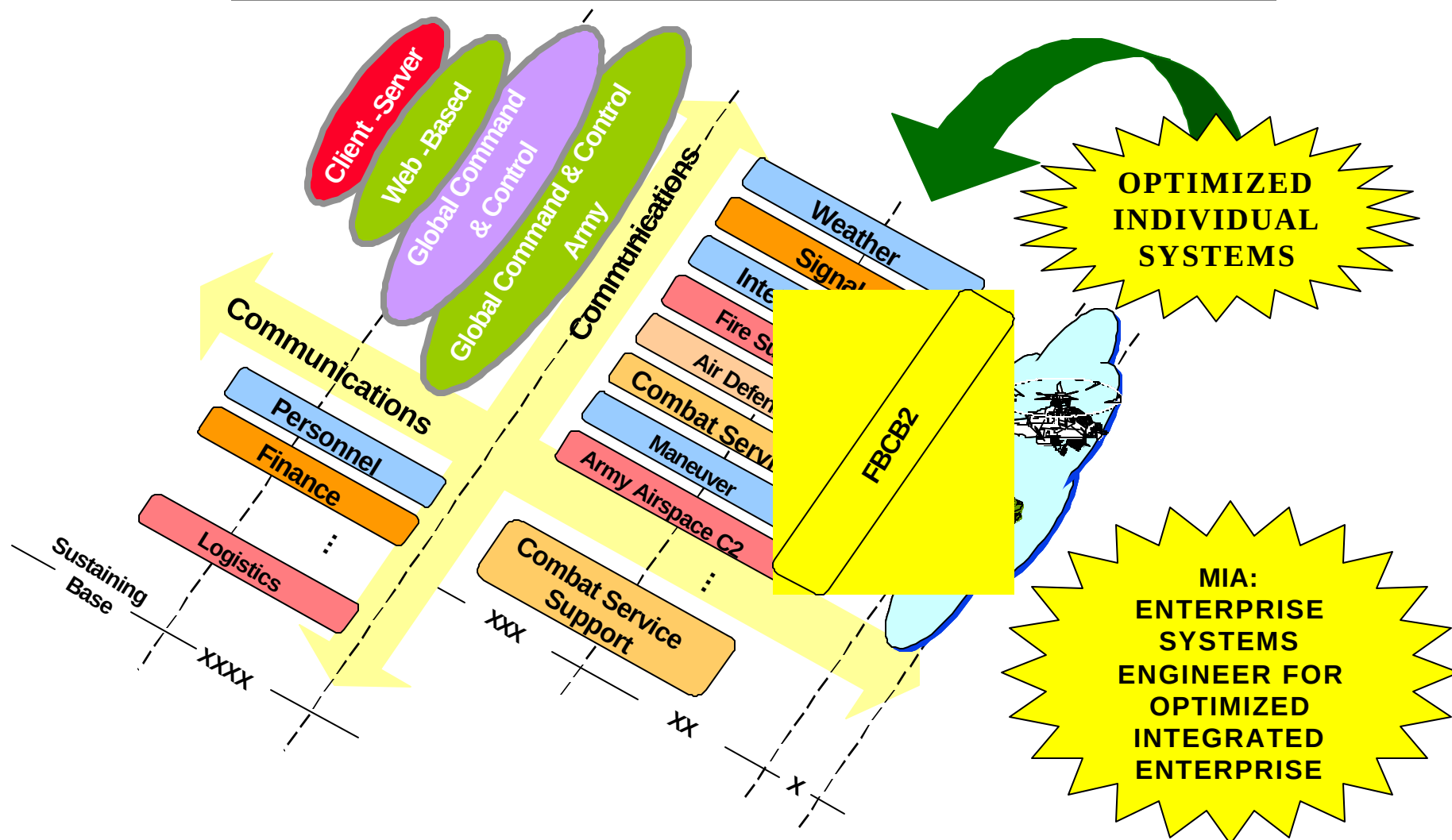
► CHALLENGES:

- ☐ INTEGRATING PLAN (for migration & convergence)
- ☐ UP-FRONT ENGINEERING (for enterprise integration)
- ☐ MIGRATION/TRANSITION OF TECHNOLOGY (optimally)
- ☐ UNIFIED REQUIREMENT
- ☐ FUNDING FOR HORIZONTAL INTEGRATION
- ☐ SYNCHRONIZATION
- ☐ COMPLIANCE (with standards)



ARMY ENTERPRISE SYSTEMS ENGINEERING

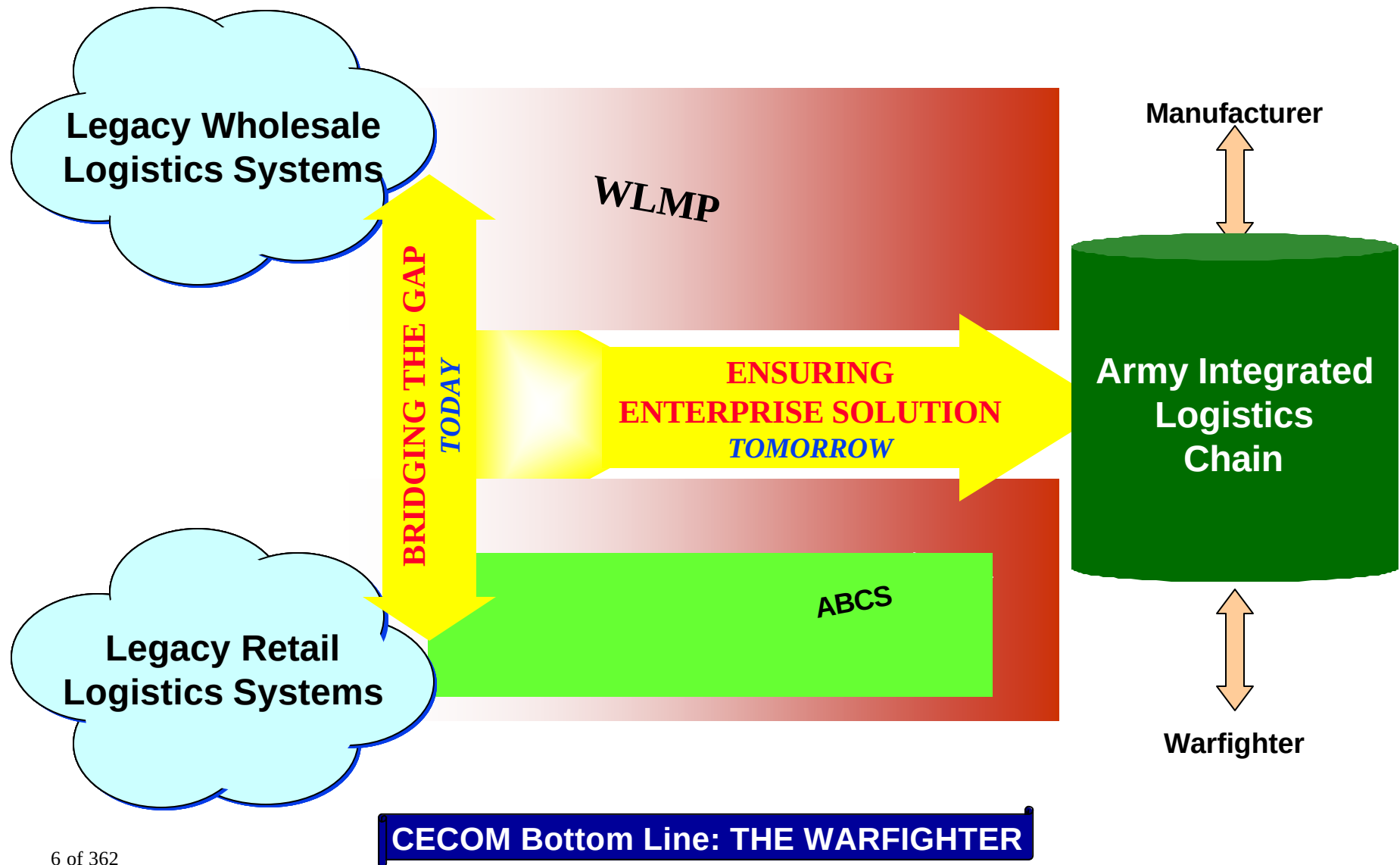
Ensures Integrated Enterprise



CECOM Bottom Line: THE WARFIGHTER



EXAMPLE - LOGISTICS CHALLENGE





EXAMPLE – AKM CHALLENGE

Army's Infostructure

LOGISTICS

FINANCE

INTELLIGENCE & ELECTRONIC WARFARE

...

COMMAND AND CONTROL

Communications

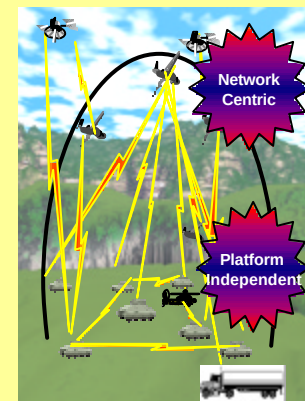
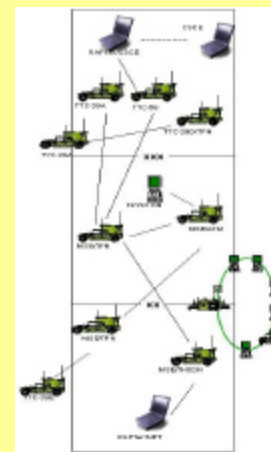
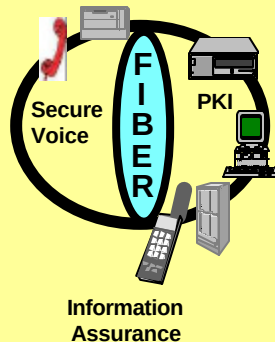
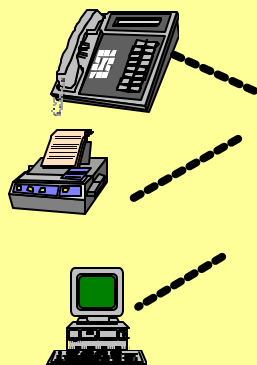
DESK TOP

ON POST

LONG HAUL

THEATER

TACTICAL



ADOPT

ADAPT

DEVELOP

CECOM Bottom Line: THE WARFIGHTER



FUTURE DESIRED STATE

- ▶ **SEAMLESS VERTICAL & HORIZONTAL C4ISR SYSTEMS
INTEGRATION ACROSS THE SPECTRUM OF OPERATIONS TO
MEET THE NEEDS OF THE OBJECTIVE FORCE**

- ☐ **FROM THE BATTLESPACE TO THE SUSTAINING BASE
(Tactical, Strategic, Installation)**
- ☐ **TODAY AND INTO THE FUTURE
(Legacy, Interim, Objective)**
- ☐ **SPANNING FUNCTIONAL DOMAINS
(Fire Support, Intel, Combat Service Support,)**



FUTURE DESIRED STATE

Single System Optimization Interfaced C4ISR

Integrated C4ISR

Communication
Application
Data
Security

*C4ISR
Massed
Effects*



From Battle Space To Sustaining Base

**STOVE
PIPES**

CECOM Bottom Line: THE WARFIGHTER



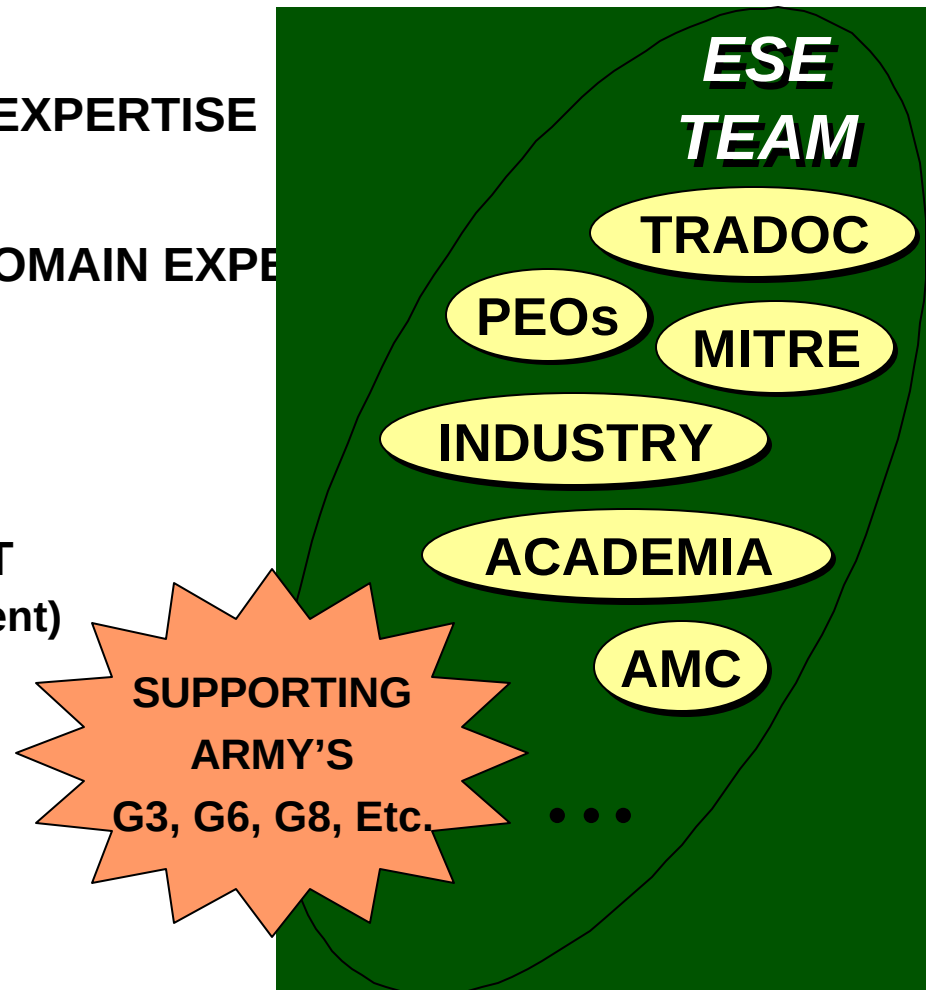
WHERE WE ARE HEADED

- ▶ **EXPAND ON-GOING ARMY ENTERPRISE SYSTEM ENGINEERING ACTIVITIES**
 - ❑ **DEVELOP & OVERSEE OVERARCHING ARMY ENTERPRISE SYSTEM ENGINEERING MASTER PLAN**
 - ARMY-WIDE ENTERPRISE ARCHITECTURE SUPPORT
 - RISK MITIGATION THROUGH ARMY-WIDE ENTERPRISE PILOTS
 - TECHNOLOGY INSERTION FACILITATION
 - ❑ **RESOLVE CROSS-CUTTING TECHNICAL ISSUES, IDENTIFY OPPORTUNITIES, MAKE RECOMMENDATIONS**
 - ❑ **PROVIDE TECHNICAL CONSULT/EXPERTISE**
 - ❑ **ASSIST & VALIDATE COMPLIANCE WITH ENTERPRISE SYSTEM ENGINEERING MASTER PLAN**



FULLY ENGAGED ACROSS SPECTRA OF ACTIVITIES

- “ SYSTEMS ENGINEERING EXPERTISE
(ASEO, JTA, Tools, ...)
- “ BROAD RANGE OF C4ISR DOMAIN EXPERTISE
(C2, Comm, IEW, FS, AV, MIS, ...)
- “ TECHNOLOGY EXPERTISE
- “ FULL LIFE-CYCLE INVOLVEMENT
(R&D, Post Development/Deployment)



CECOM Bottom Line: THE WARFIGHTER



WHAT WE ARE DOING

EA (PEO C3T)-TJTN

FCS C4ISR Architecture

Enterprise Applications Architecture

I3MP

Other Individual Efforts

**CECOM
ESE Team**

SEC

LRC

ISEC

RDEC

- Define Enterprise Architecture with plan for migrating from “as is” to objective state
- Synchronize on-going activities to achieve common goal
- Identify shortcomings with current activities and initiate efforts to resolve

**INTEGRATED
OBJECTIVE
FORCE**

CECOM Bottom Line: THE WARFIGHTER



WHAT ARE WE DOING

- ▶ **Executive Agent (PEO C3T) – Theater Joint Tactical Network**
 - ❑ Ensure Interoperability and synchronization among Service and Agency programs acquiring network components
- ▶ **FCS C4ISR Architecture**
 - ❑ Developed architectural tenets to support Network Centric Warfare
- ▶ **ENTERPRISE APPLICATIONS ARCHITECTURE**
 - ❑ Define framework for developing applications compliant with Enterprise Architecture
- ▶ **Installation Information Infrastructure Modernization Program (I3MP)**
 - ❑ Upgrade the information infrastructure to provide digital connectivity across installations, active support activities and deployed Forces.



HOW INDUSTRY CAN HELP

- **THINK ENTERPRISE SOLUTIONS**
- **PROVIDE FEEDBACK. IT IS CRITICAL.**
- **MORE TO COME**



Questions



Answers