

# *Industry Day 04*



***Contract  
Opportunities within  
Army Evaluation  
Center (AEC)***



***Our Army . . . Our Soldiers . . . Our Equipment***

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***U.S. ARMY TEST AND EVALUATION COMMAND***



# *Outline*



- Location
- Organization Chart
- Mission
- Major Challenges
- Test Programs Supported
- Workload/Personnel Trends
- Planned Contracts for 05 and Beyond
- POC



# AEC Locations

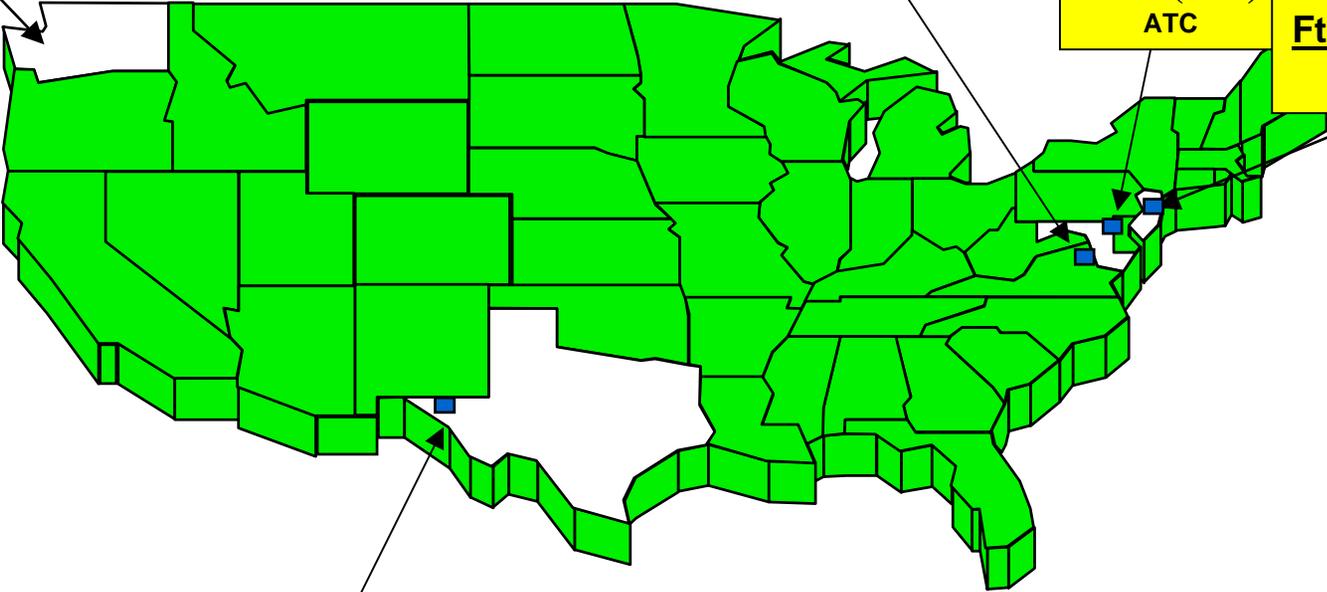


**Ft. Lewis**  
**Battle Simulation Center**  
**AEC(2)**

**Alexandria, VA**  
**HQ ATEC**  
**HQ AEC(238)**  
**ITSA**

**APG**  
**HQ DTC**  
**AEC(200)**  
**ATC**

**Ft. Monmouth**  
**AEC(1)**



**Ft Bliss**  
**ATSA**  
**ADATD**  
**AEC(4)**





# Organization Chart

ARMY EVALUATION CENTER (AEC)

AS OF: 23 Oct 03

 AEC NORTH  
 AEC SOUTH

**AEC Director**  
James J. Streilein Ph.D.

**Technical Director**  
(703) 681-9877

**Chief of Staff**  
(703) 681-7901

**Associate Director**  
(410) 306-0429

**Methodology & Analysis**  
(703) 681-0895

**Tech Editing**  
(410) 306-0331

**Resource Management**  
(703) 681-0827

**Operations**  
(703) 681-7904

**Human Resources**  
(410) 306-0221

**Modeling & Simulation**  
(410) 306-0403

**Air Defense**  
(703) 681-9293

**Aviation**  
(703) 681-0795

**Close Combat**  
(703) 681-0689

**Combat Support**  
(703) 681-3368

**Command, Control & Communications**  
(703) 681-3668

**Fire Support**  
(703) 681-0792

**Future Force**  
(410) 306-0429

**Intelligence**  
(703) 681-3551

**Information Technology**  
(703) 681-4670

**Integrated Logistics Support**  
(410) 306-0357

**Reliability & Maintainability**  
(410) 306-0315

**Survivability**  
(410) 306-0223



# ***Mission & Vision***

## ***MISSION***

The Army Evaluation Center plans and conducts independent evaluations and assessments of acquisition programs to provide essential information to key Department of Defense decision makers.

## ***VISION***

Be the premier DoD evaluation organization performing continuous, comprehensive and independent evaluations and assessments to ensure Warfighter requirements are satisfied. Promote and facilitate employee personal and professional development.



# ***Contract Support FY 03***



- \$ 81 Million            AEC Operating Budget
- \$ 44 Million            Contract Support

**Contract support accounts for 54 % of FY 03 funding.  
Projections for FY 04 and FY 05 are similar.**

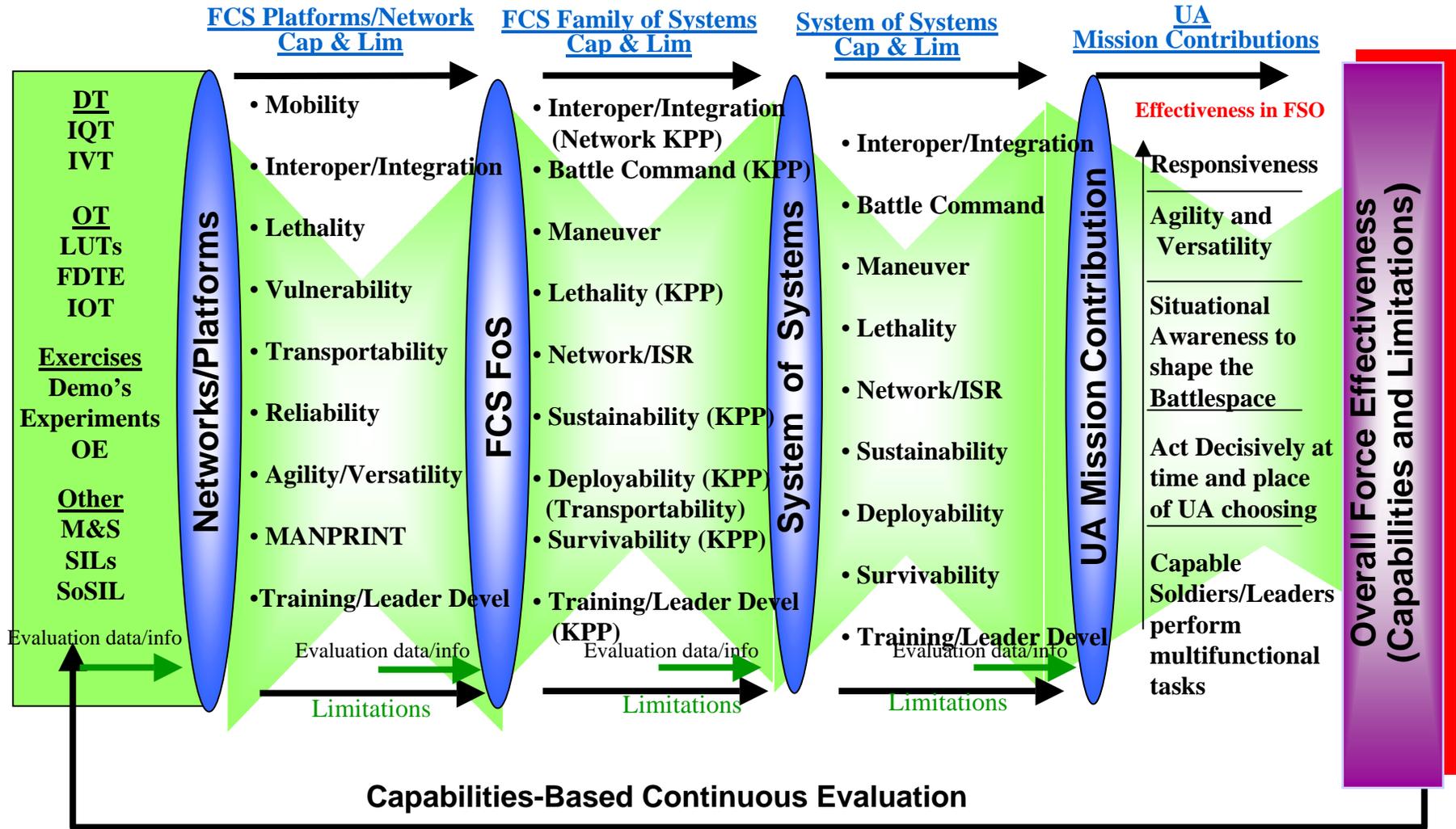


# *Major Thrusts*

- System; System of Systems; Mission
- User Oriented Evaluation
- Assessment of Net-Ready Capabilities
- Cross Domain Assessment and Evaluation
- Software as part of the System and SoS



# FCS Evaluation Approach





# **427 Programs Supported**

- **13** Air Defense – Ballistic Missile Defense System
- **35** Aviation – Armed Recon Helicopter
- **75** Close Combat – Line-of-Sight Anti Tank
- **157** Combat Support – Chemical and Biological Defense
- **45** Command Control Communications – Army Battle Command Systems (ABCS)
- **24** Fire Support – High Mobility Artillery System
- **26** Intelligence – UAV
- **19** Information Systems – Defense Travel System
- **6** Future Force – FCS



# ***Types of Contractual Support***



- T&E Planning, Analysis, and Evaluation
- On-Site T&E Support
- Data Management, Analysis, and Evaluation
- T&E Meetings
- Software
- Manpower and Personnel Integration
- Reliability, Maintainability, and Integrated Logistics
- Survivability

## ***Continuous Evaluation***



# ***Workload/Personnel Trends***



- Workforce
  - Workload (Requirement) **612**
  - Authorized Strength **514**
  - Assigned Strength **443**



# ***Blanket Purchase Agreements Contractors***



<b>ABBR</b>	<b>COMPANY</b>
CAS	CAS, Inc
ESCO	Electronic Warfare Associates & LP MPRI
MSA	Management Science Associates Incorporated
NGIT	Northrop Grumman Information Technology
NGSM	Northrop Grumman Space & Missions Systems
Quantum	Quantum Research International Incorporated
SAIC	Science Applications International Corporation
TBE	Teledyne Brown Engineering Incorporated
VRC	Vreuls Research Corporation



# ***Point of Contact***

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# ***BACK UP***



***Our Army . . .Our Soldiers . . .Our Equipment***

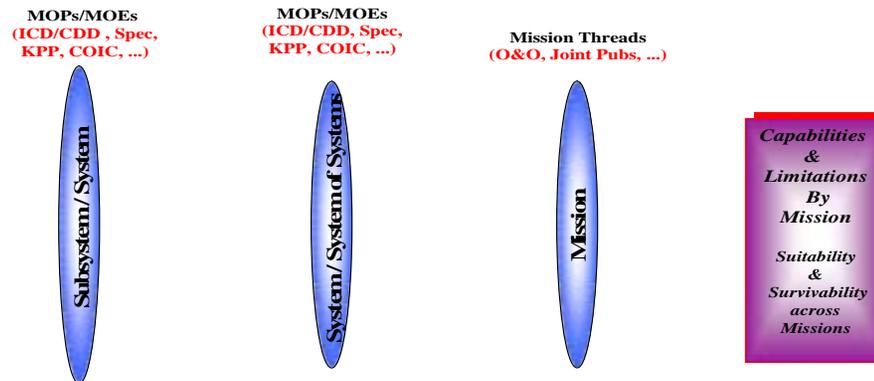


# Major Thrusts – System; System of Systems; Mission



- Lens Concept
  - ATEC evaluations focus on capabilities and limitations.
  - This strategy is characterized as views through several different lenses.
  - The Lens concept allows evaluation reporting from the subsystem level through the mission level.

## Evaluation Strategy





# ***Major Thrusts – User Oriented Evaluation***



- Capabilities and Limitations (not requirements pass/fail)
- Test Planning
  - Risk Analysis
  - Test Coverage
  - Identify Conditions
  - Test Cases
- Test Execution
  - Technical
  - Simulation
  - Operational
  - Simulation

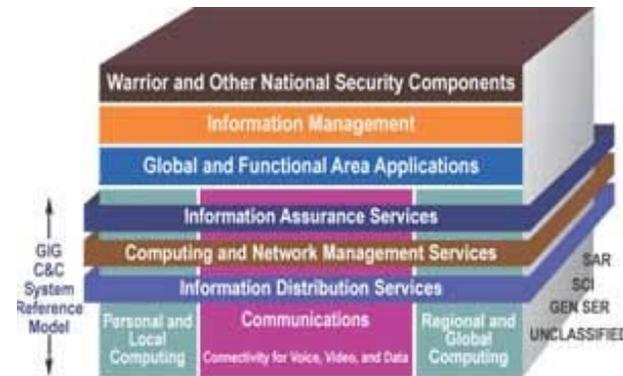
***END TO END INTEGRATED SYSTEMS TESTING***



# Major Thrusts – Assessment of Net-Centric Capabilities



- Cycle Time
- Interoperability
- Real time collaboration
- Information Assurance



***Model, Assess, & Evaluate Net-Centric Capabilities  
from SoS and multi-service point of view***



# ***Major Thrusts – Cross Domain Assessment and Evaluation***



## ***Transformation To Requirements Based On Inter-related Warfighting Realities***



***Transformation Via Experiments – Associated With Joint Exercises***

### ***Quantitative Joint Requirements***

- ***DRIVEN WITHIN/BETWEEN UNIFIED COMMAND CINCS***



# Major Thrusts – Software as part of the System and SoS



- Services, Tools, and Techniques to test and evaluate real-time systems ability to accomplish its mission jointly.

