

**Cost Research**

**Army Day**

**DODCAS 2004**

**13 February 2004**

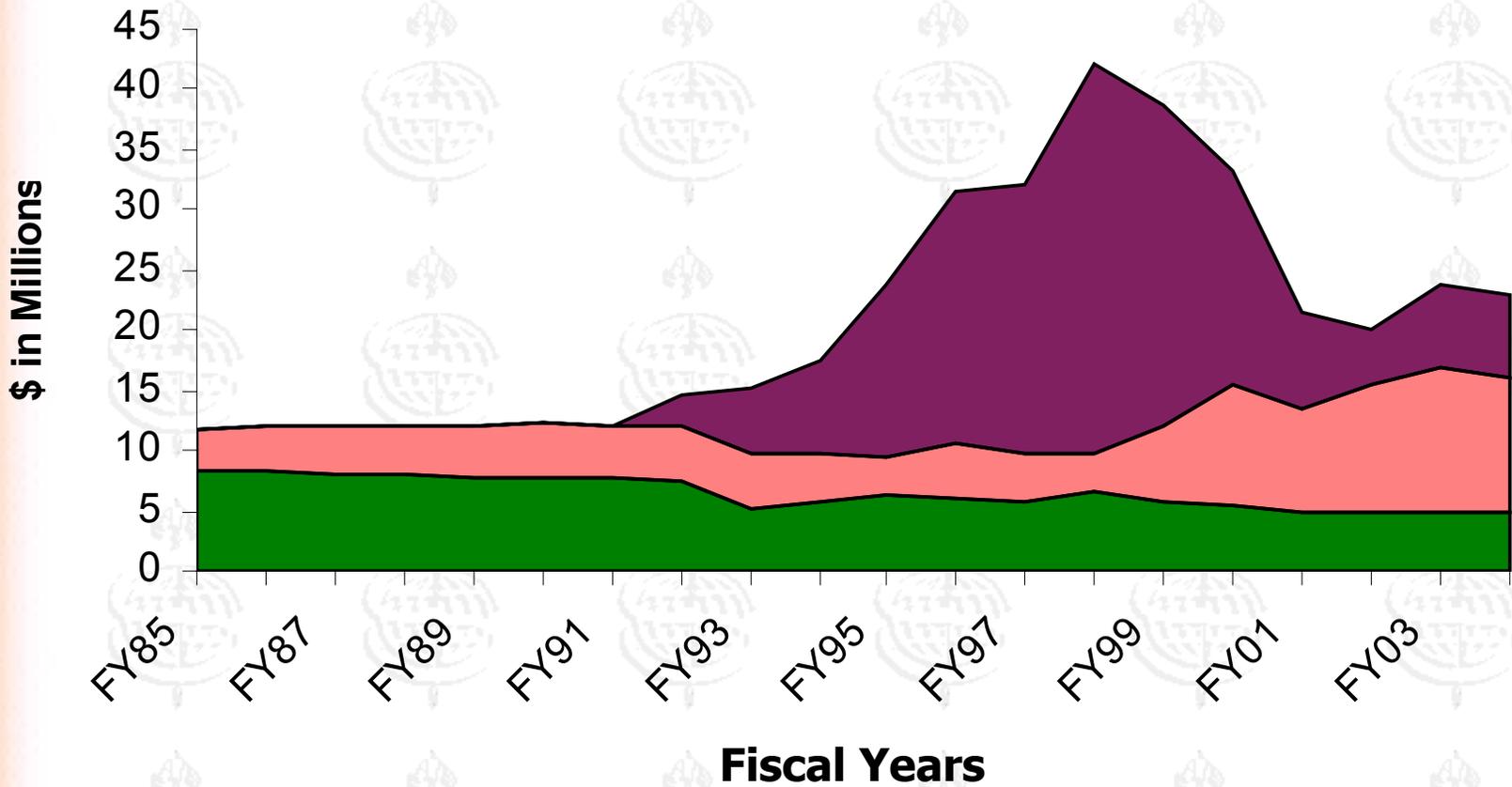
## Single Award Lot Contractors

<u>AREA</u>	<u>COMPANY</u>
Operations & Support Data Collection, Analysis & Estimating	Calibre
Financial Management Operations	Calibre
Personnel/Forces Database	MAI
C <sup>4</sup> ISR Database, Cost Research & Program Office Support	Technomics
Missile Database, Cost Research & Program Office Support	MCR
Wheeled, Tracked & Combat Vehicle Database & Cost Research	SAIC
Aircraft/Aviation Systems Database & Cost Research	Ketron

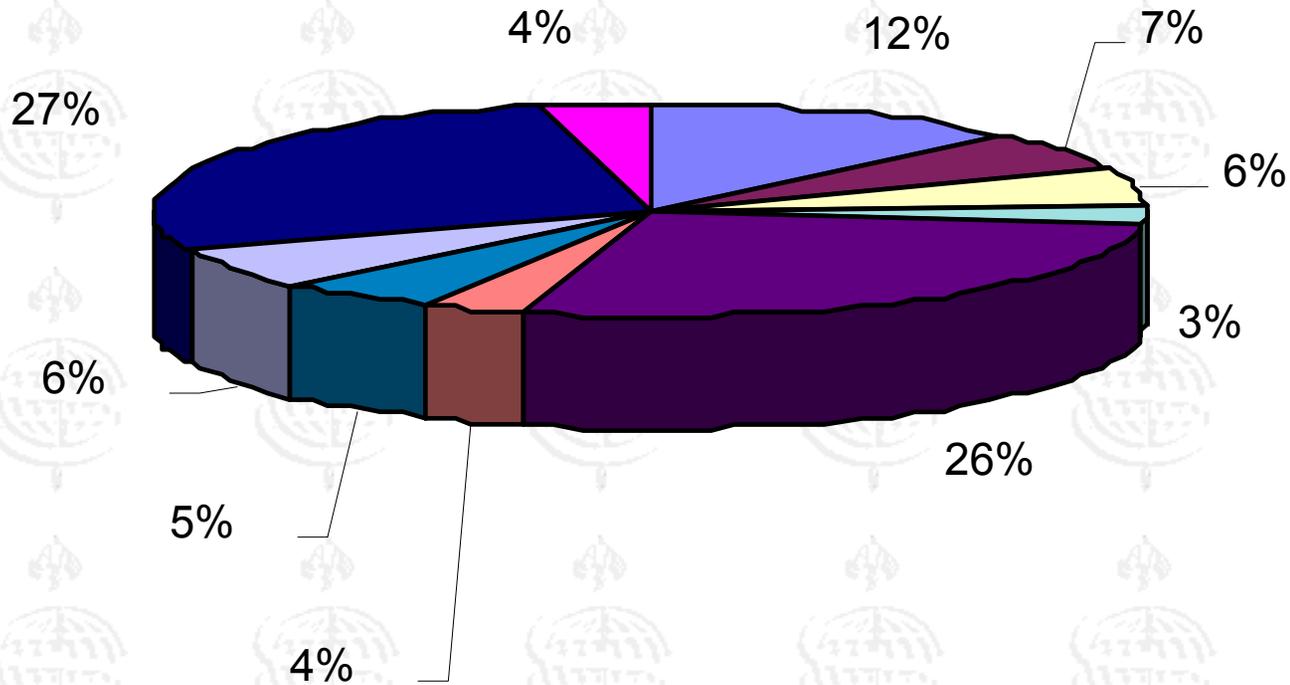
## **Future Technologies & General Support Multiple Award Lot Contractors**

1. **Advanced Concepts and Technologies International, LLC (ACT-I)**
  - Booz, Allen and Hamilton, Calibre Systems, CDO Technologies, Contemporary Management Systems, Day-Tech, Dulos Inc, TASC
2. **Logistics Management Institute (Imi)**
  - Battelle Memorial Institute, Summit Engineering Group
3. **MCR Federal Inc. (MCR)**
  - BAE Systems, Frontier Technologies Inc., Mission Research Corp., Wexford Group International
4. **PRICE Systems, L.L.C.**
  - Altarum, Quantech Services, Inc.
5. **Technomics**
6. **Tecolote Research**
  - Galorath Inc., Qualis, SAIC, SAS
7. **Wyle Labs**
  - NOESIS, Inc.

# Cost Analysis Program



# DASA-CE FY03 Contract Breakout



- ACDB/Cost Research
- ACEIT
- Commercial Parametric Software
- FCS Support
- Cost Management
- Performance Warehouse
- Force Costing
- Personnel Costing
- OSMIS
- Other

## Automated Cost Databases (ACDB)

- Databases updated annually
- Commodity Areas
  - Missile & Munitions
  - Aircraft/Aviation Systems
  - Wheeled, Tracked & Combat Vehicle
  - C<sup>4</sup>ISR
- Database Contract
  - Collect Cost, Technical, Programmatic data
    - ✓ Sources: CCDR, CPR, Contracts, Accounting Records
  - Additional data collection to allow use of commercial parametric models
  - Attached documents (CARD, briefings, studies)
- Other
  - Commodity Specific Training
  - Analysis support

# **Commodity Specific Research (Ongoing)**

- Missile Propulsion Cost Performance Estimating Relationships (CPER)
- Analysis and Evaluation of Composite Materials for Vehicles
- Vehicle Non-Manufacturing Cost Factors
- Vehicle Family of Systems Factors
- Sensor CPER

## **Tasks:**

- Data collection
- Develop CPER or factor
- Additional data collection to allow use of commercial parametric models

# Commodity Specific Research (Future)

- Sensor Cost Performance Estimating Relationships (CPER)
  - Update CPER/CER for following technologies:  
IR, MMW, Acoustic, etc.
- Unmanned Aerial Vehicle Payload/Command & Control  
CPER

## Tasks:

- Data collection
- Develop CPER or factor
- Additional data collection to allow use of commercial parametric models

# **Future Technologies & General Support**

(Ongoing)

1. Integrated Performance Cost Model (IPCM)
2. Test & Evaluation Methodology Development
3. SDD Development Engineering Methodology Development  
Considering Evolutionary Acquisition Impacts
4. Turbojet/Turbofan Propulsion Unit Cost Performance  
Estimating Relationships
5. Automated Cost Estimating Integrated Tools (ACEIT)

# Integrated Performance Cost Model (IPCM)

- What is IPCM?
  - Model that will interface cost models with models from other functional areas to perform
  - Analyst can interface with five different types of models:
    - Requirements
    - Effectiveness
    - Engineering
    - Cost
    - Logistics models
  - Capability
    - System level/component level trade-off analysis (AoA support)
    - CAIV analysis (Engineering support)
    - Cost Analysis (POE/ICE/ACP support)
  - Funded by the Army Modeling & Simulation Office

# Integrated Performance Cost Model (IPCM)

- What is the status?
  - Four teams developed architecture approaches during study phase
  - Government team consisted of ODASA-CE, AMSO, PEO EIS, TRAC, RDECOM and PM FCS personnel
  - LMI/Battelle/Summit Engineering selected to develop a limited prototype model to demonstrate architecture
    - Using FIPER software for model integration
    - FIPER is an integration package that allows easy linkage and optimization of models
    - Prototype based on Joint Common Missile Program
    - Delivery expected at end of May 2004
  - Government team will review prototype model and architecture in June 2004
  - Release RFQ(s) for bid for next phase(s) of model development in late June-early July timeframe

## Other Contracts

### 1. Commercial Parametric Modeling Software

- PRICE Systems Models
- Galorath SEER models
- Licenses and training
- Limited hours available for consulting services

### 2. Rayleigh Analyzer Spreadsheet Model

### 3. COTS Electronics Model (PACER)

- Effort performed under an Air Force Contract
- Development of Box level CER for selected components

For further information on research or models call (703) 601-4163