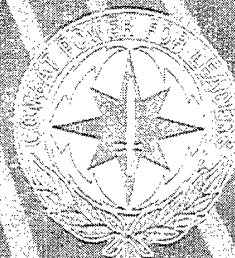


Advance Planning Briefing for Industry
"Logistics Modernization Awareness Day"

OCTOBER 20-21, 1997

Sheraton Eatontown Hotel and Conference Center
Eatontown, New Jersey

WELCOME TO THE EVENT



19971110 036

United States Army Communications-Electronics Command
Fort Monmouth, New Jersey

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 the Program Analysis and Evaluation Directorate, AMSEL-PE-OD, ATTN: Mari Aufseeser, (732) 532-5054.



REPLY TO
ATTENTION OF

DEPARTMENT OF THE ARMY
HEADQUARTERS, U.S. ARMY COMMUNICATIONS-ELECTRONICS COMMAND
AND FORT MONMOUTH
FORT MONMOUTH, NEW JERSEY 07703-5000



Office of the Commanding General

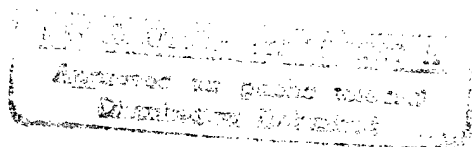
Ladies and Gentlemen,

On behalf of the U.S. Army C41EWS Team, I am pleased to present the proceedings of the Level II Advance Planning Briefing for Industry (APBI) entitled, "Logistics Modernization Awareness Day."

The purpose of this publication is to provide you, our industry partners, with a single compendium of information relative to our objective, goals and general approach to this very important initiative.

The modernization of the Wholesale Logistics System has been identified as one of Army's top priorities. I welcome your participation in this very important project and our APBI Program.

Sincerely,



Gerard P. Brohm
Major General, U. S. Army
Commanding

DISCLAIMER

The use of trade names in this report does not constitute official endorsement of any products. This report may not be cited for purpose of advertisement.

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

THE OVERALL
CLASSIFICATION OF
THIS PUBLICATION IS
UNCLASSIFIED

ADVANCE PLANNING BRIEFING FOR INDUSTRY
"LOGISTICS MODERNIZATION AWARENESS DAY"

OCTOBER 20-21, 1997
SHERATON EATONTOWN HOTEL AND
CONFERENCE CENTER
EATONTOWN, NEW JERSEY

MEETING CHAIRMAN
MG GERARD P. BROHM
COMMANDING GENERAL, CECOM AND FT. MONMOUTH

AGENDA

MONDAY, OCTOBER 20, 1997

1100-1300 REGISTRATION

1300 ADMINISTRATIVE REMARKS

1305 WELCOMING REMARKS
 MG Gerard P. Brohm
 Commanding General, CECOM

MODERNIZING THE DOD LOGISTICS SYSTEM

1315 LOGISTICS IN THE 21st CENTURY
 Mr. Roy R. Willis
 Acting Deputy Under Secretary of Defense for Logistics

ADOPTING COMMERCIAL SOLUTIONS FOR MODERNIZATION

1400 LOGISTICS MODERNIZATION
 MG Gerard P. Brohm

1430 BREAK

AN AMC PERSPECTIVE

1450 US ARMY MATERIEL COMMAND
 Mr. A. David Mills
 AMC Principal Deputy for Logistics

FAREWELL TO OLD WAYS

1530 ACQUISITION REFORM INITIATIVES
 Mr. Kevin Carroll
 Acting Director, CECOM Acquisition Center

1997 1110036

DTIC QUALITY INSPECTED 3

ADVANCE PLANNING BRIEFING FOR INDUSTRY
"LOGISTICS MODERNIZATION AWARENESS DAY"

ROUND TABLE - OPEN DISCUSSION

1600 Questions and Answers Session

1700 RECEPTION

TUESDAY, OCTOBER 21, 1997

0800 ADMINISTRATIVE REMARKS

A FUNCTIONAL TOUR OF AMC WHOLESALE LOGISTICS SYSTEMS

0805 AMC's WHOLESALE LOGISTICS SYSTEM
Mr. Michael Ivey
Director, U. S. Army AMCOM Lead AMC Integration Support Office

CENTRAL DESIGN ACTIVITY ORGANIZATION AND TECHNICAL OVERVIEW

0900 LSSC - COMMODITY COMMAND STANDARD SYSTEM
Mr. David Swanson
Director for Business Information Systems
U.S. Army CECOM Logistics Systems Support Center

0945 BREAK

1000 ILSC - STANDARD DEPOT SYSTEM
Mr. William F. O'Mara
Director, U.S. Army CECOM Industrial Logistics Systems Center

INFORMATION TECHNOLOGY TRANSITION ISSUES

1045 INFORMATION TECHNOLOGY TRANSITION ISSUES
Mr. Brad Blau
Senior Systems Engineer
AMC Executive Agent for Information Management
Information Systems Engineering Command, CECOM

1110 Round Table Discussion with Audience Participation
Mr. Brad Blau

1145 CLOSING REMARKS
Mr. Paul Capelli
Leader, Special Project Team, CECOM

1200 ADJOURN

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WELCOMING REMARKS

MG GERARD P. BROHM

**COMMANDING GENERAL
CECOM**

NOTES

MODERNIZING THE DoD LOGISTICS SYSTEM

Logistics in the 21st Century

MR. ROY R. WILLIS

**ACTING DEPUTY UNDER SECRETARY
OF DEFENSE FOR LOGISTICS**

NOTES

Logistics Modernization Awareness Day

Fort Monmouth, NJ

20 October 1997



Roy R. Willis
Acting Deputy Under Secretary
of Defense (Logistics)

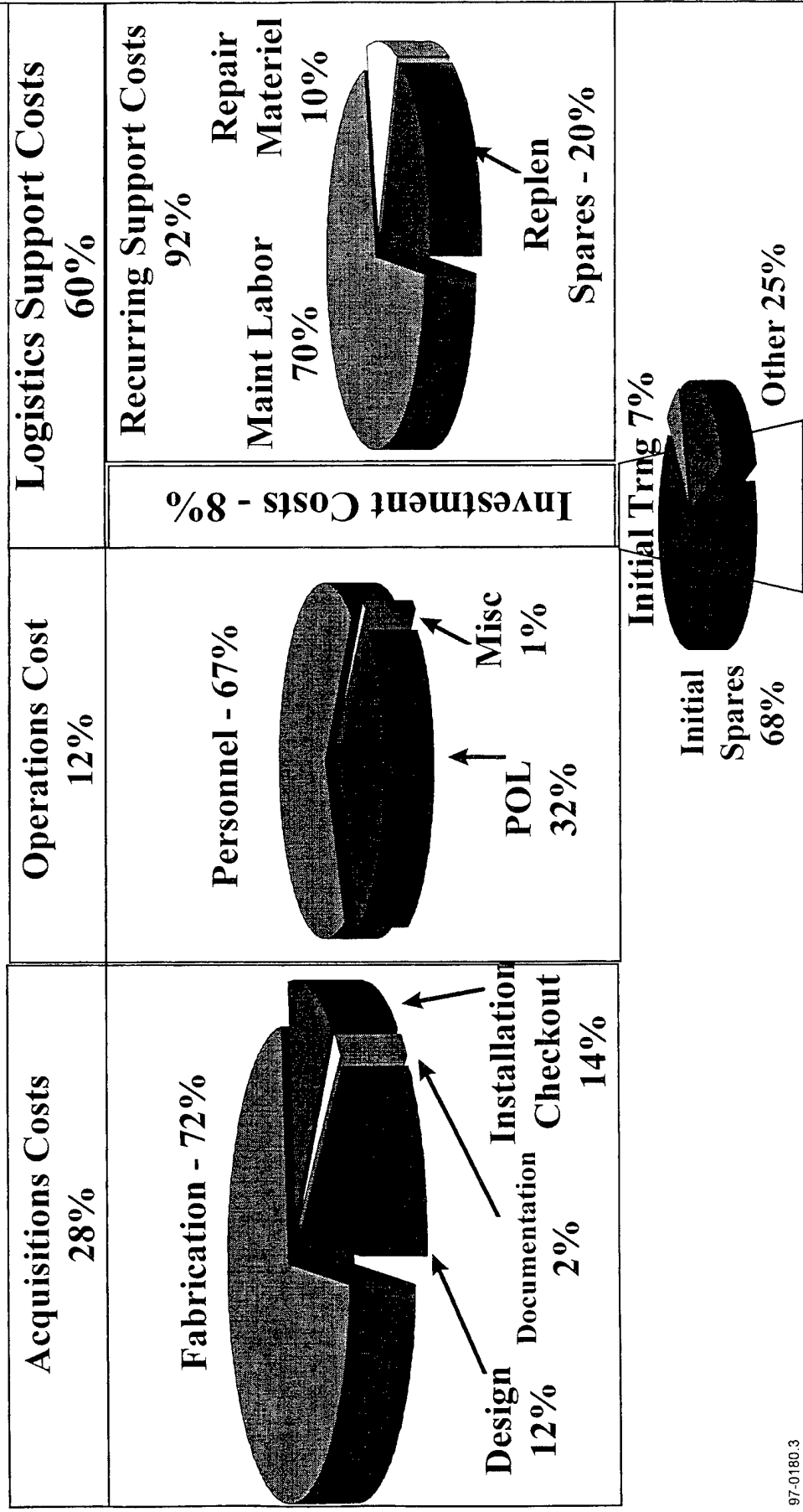


Logistics in the 21st Century

- “Focused” logistics to support agile combat
- Lean infrastructure and workforce
- Optimized business practices based on world-class operations
- Better utilization of commercial logistics providers
- Sustainment costs minimized while maintaining high readiness
- Enabled by highly integrated information systems that both control and provide visibility (Readiness and Cost)



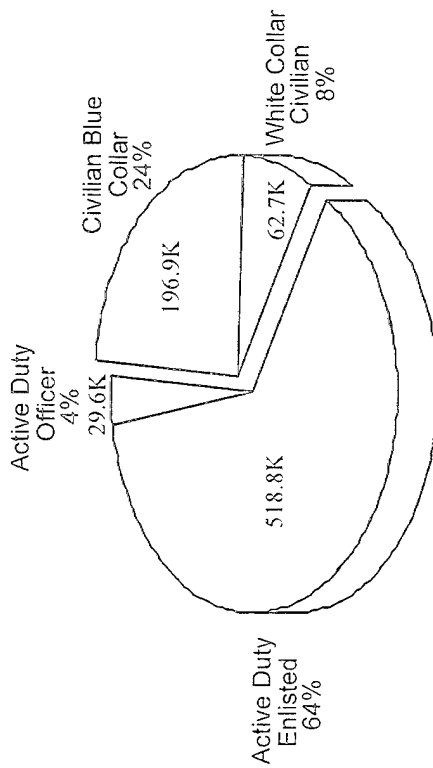
Life Cycle Cost Distribution





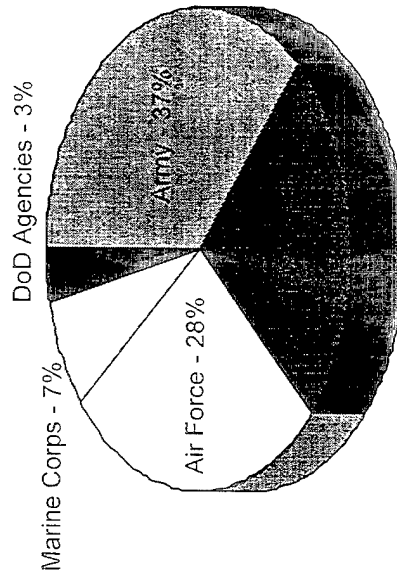
DoD Logistics Personnel

Active Duty & Civilian Logistics Personnel



808,000 Active Duty & Civilian Logistics Personnel

All DoD Logistics Personnel (Active/Civilian/Reserve Component)

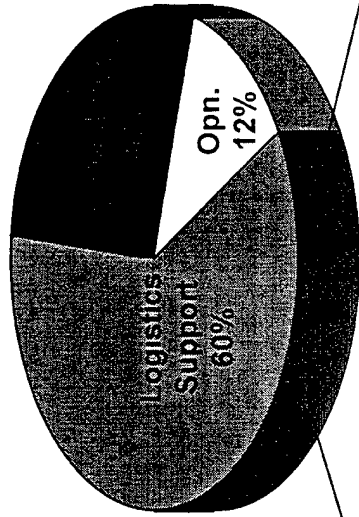


1,136,800 Total Logistics Personnel

Logistics Personnel - 36% of DoD Total



Logistics Infrastructure Cost Drivers



Fuel

- Fuel requirements impact distribution and training infrastructure
- Consumption driven by design and usage
- Distribution can be impacted to some extent in life cycle

Ammunition

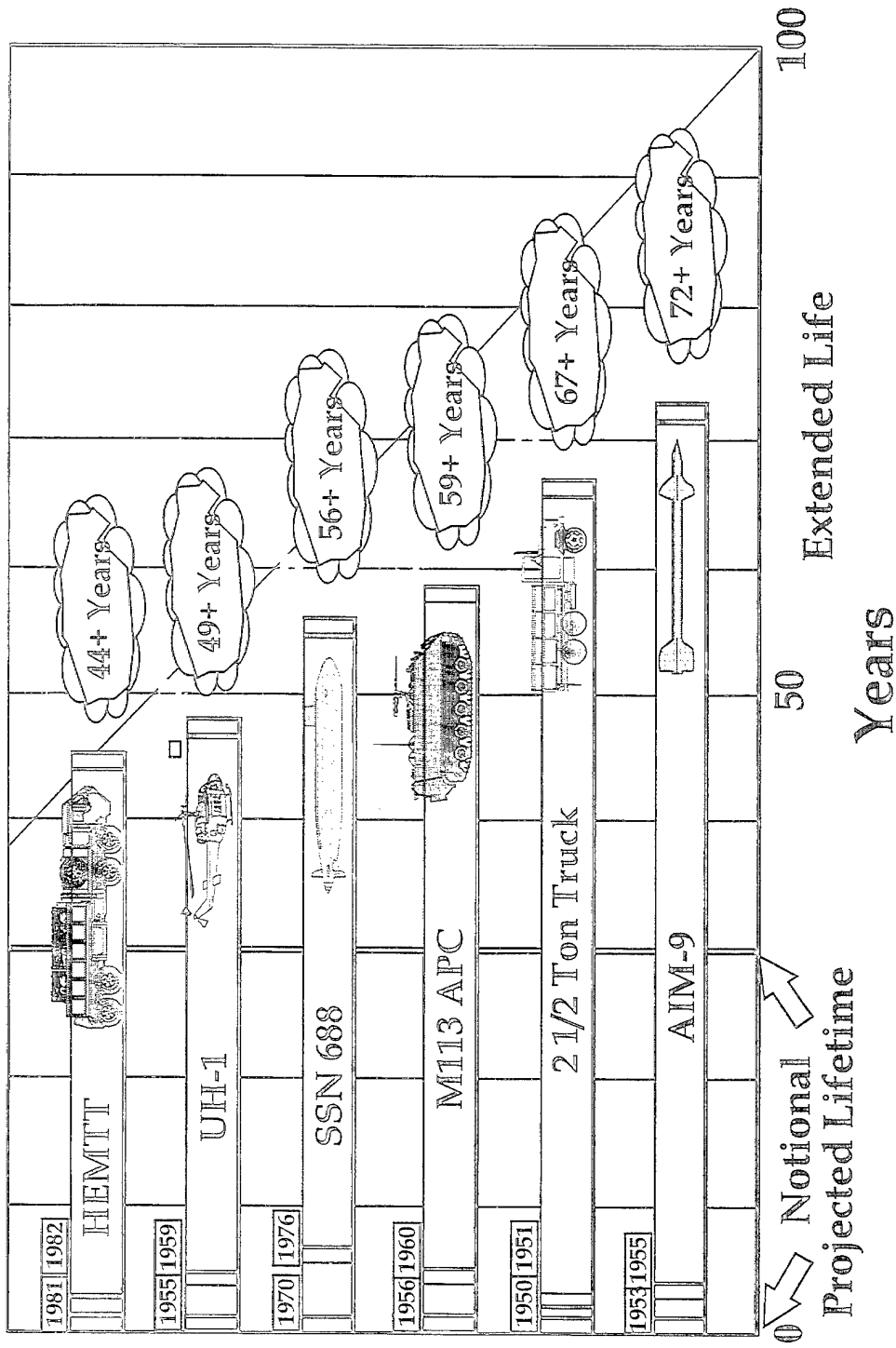
- Lethality drives size of *infrastructure* (industrial base, maintenance, strategic lift, sorties, in theater distribution)
- Lethality is best addressed in design (ie PGMs)
- Can be impacted for new or currently fielded systems

Maintenance

- Failures are primary infrastructure drivers – maintenance, supply, transportation, personnel, DFAS, ICPs, DISA, training requirement, base operations
- Inherent MTBF is best addressed during design
- Currently inserting technology to improve MTBF



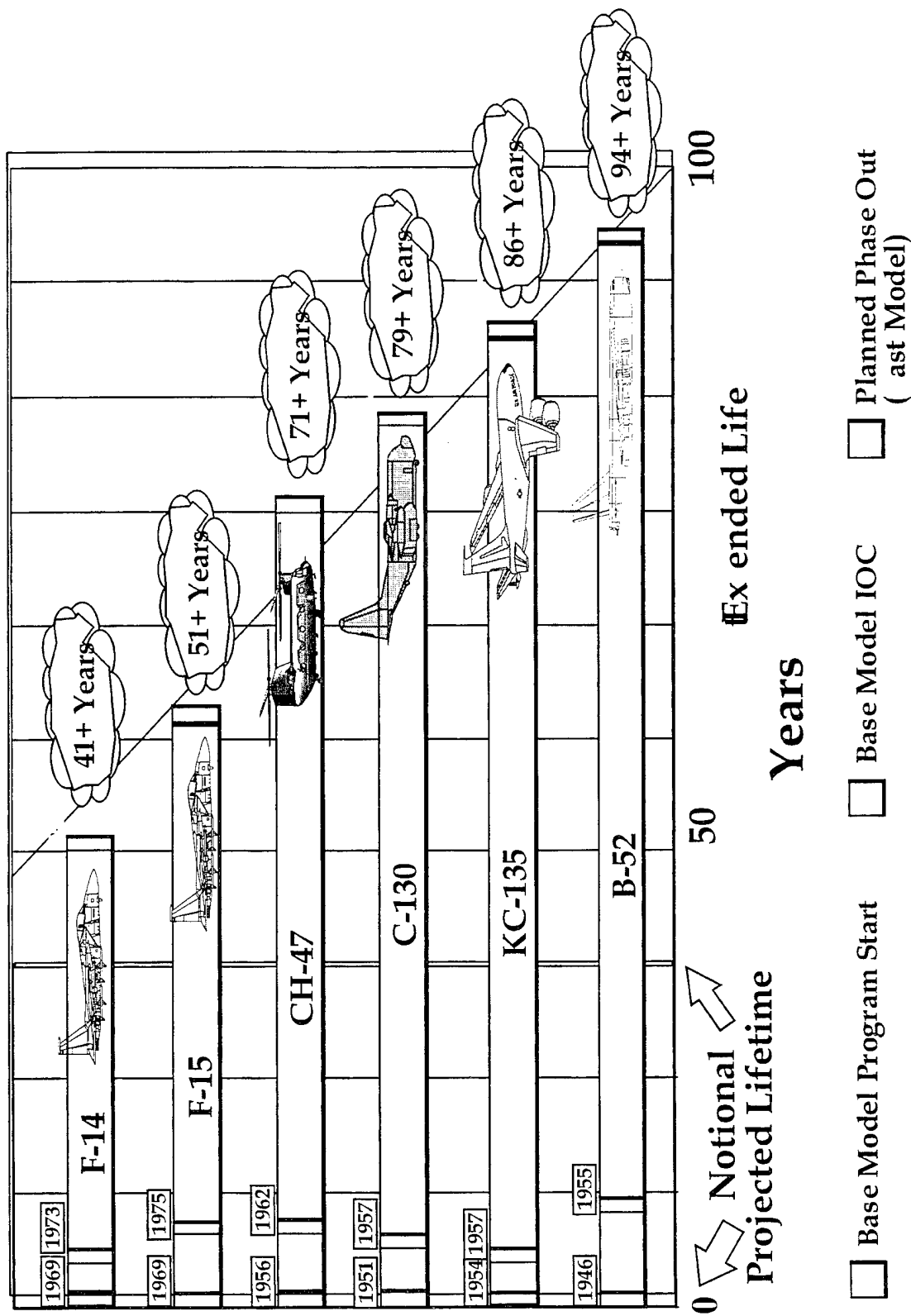
Weapon System Life Cycles



- ☐ Base Model Program Start
 ☐ Base Model IOC
 ☐ Planned Phase Out (Last Model)

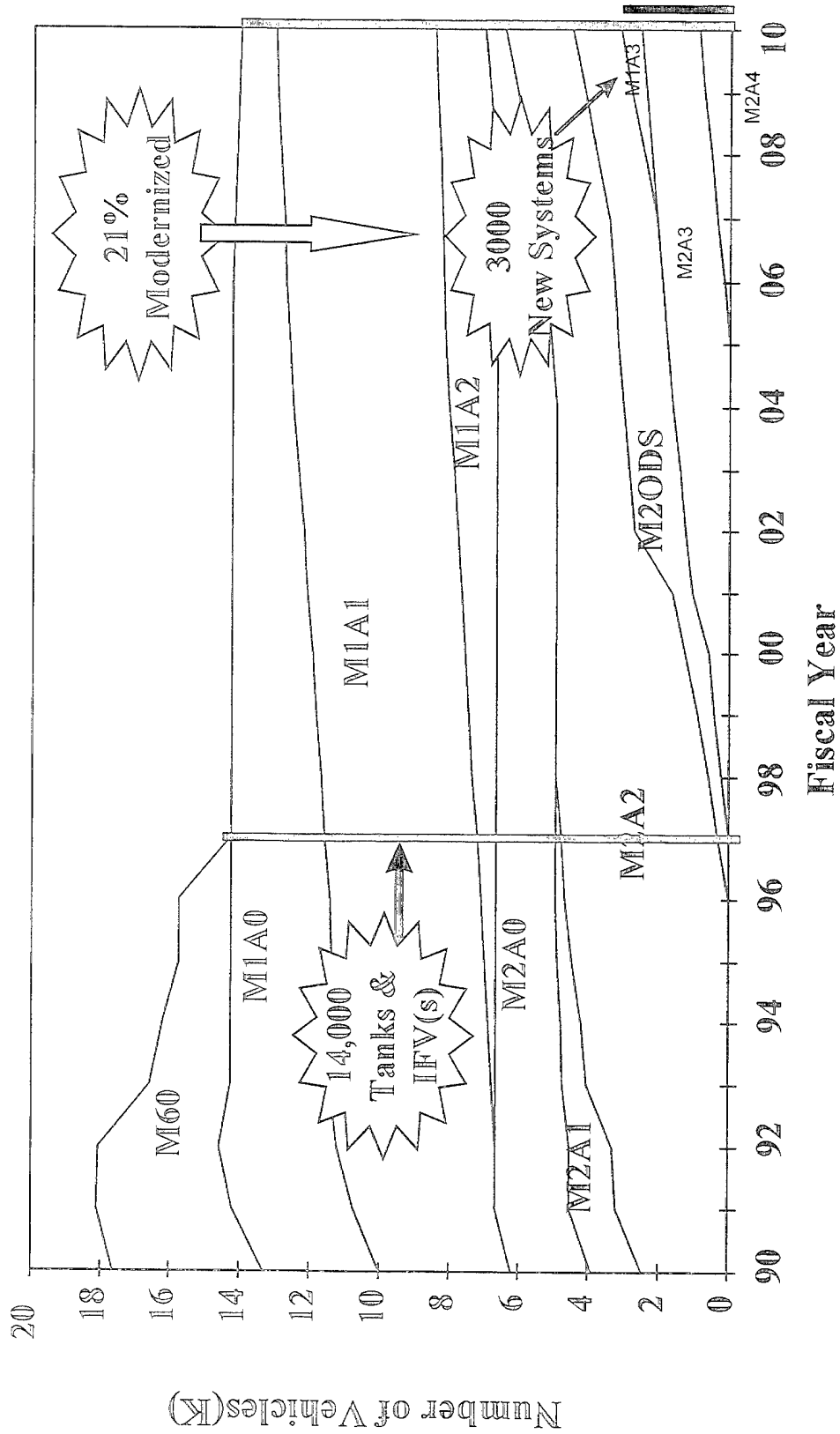


Weapon System Life Cycles



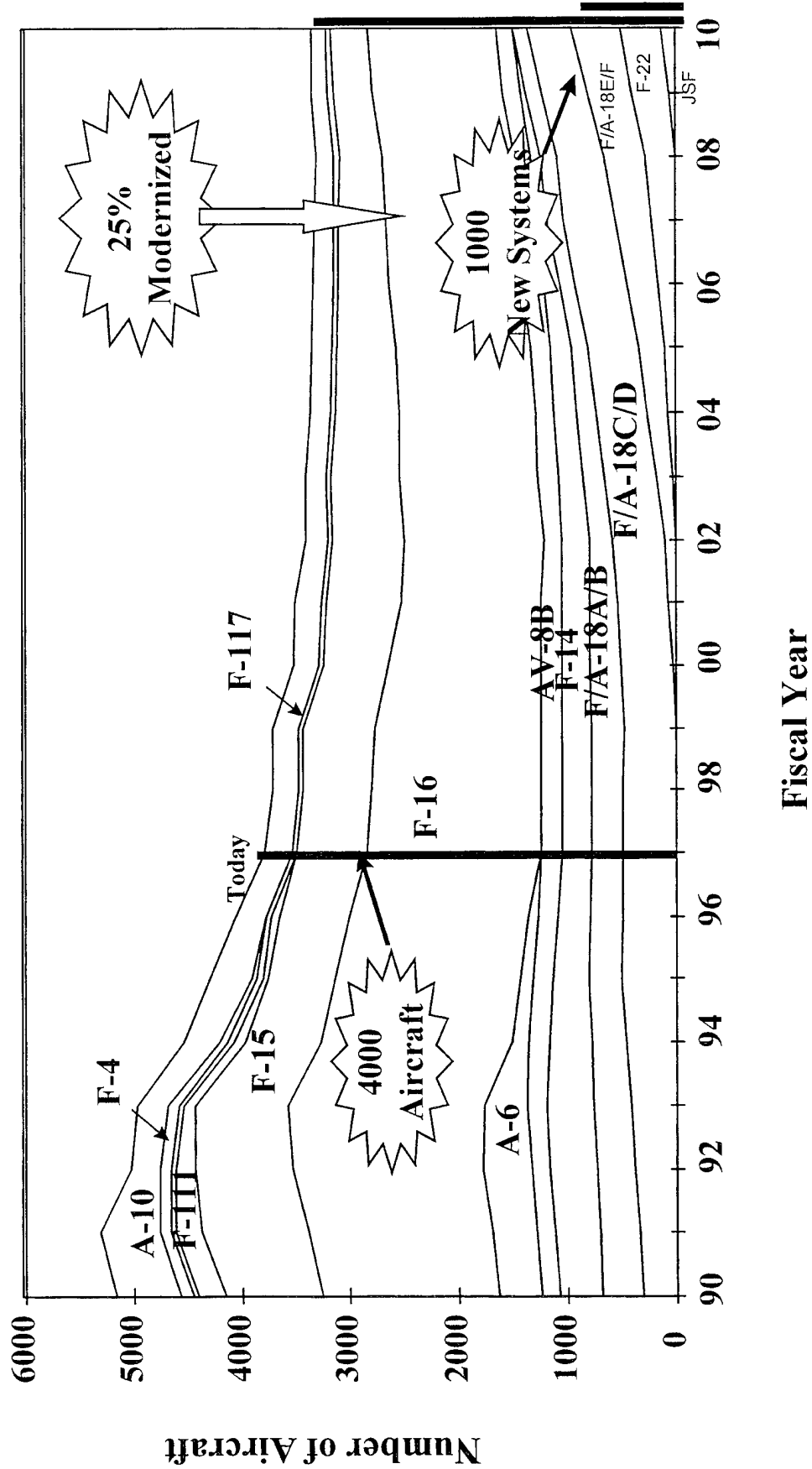


Tank and IFV Inventory



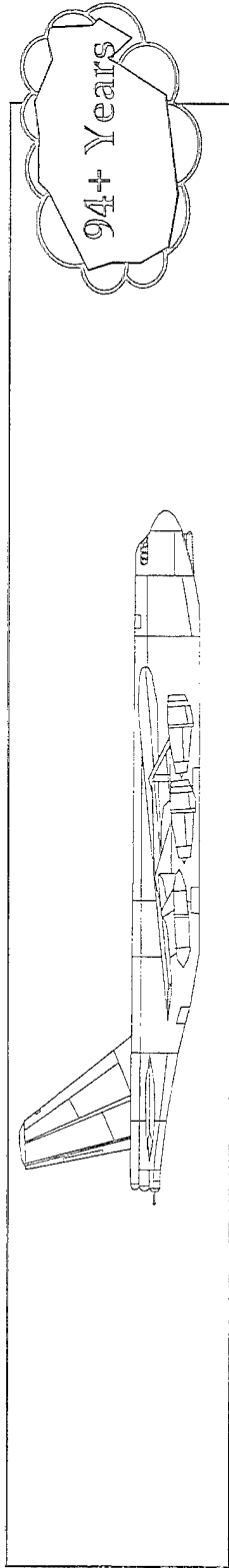


DoD TacAir Inventory





B-52 Service Life Four Generations of Pilots



1965

Last B-52
Produced



Father

1990



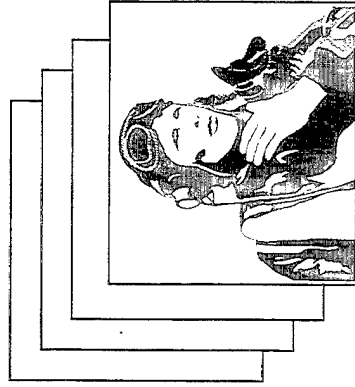
Son

2015



Grandson

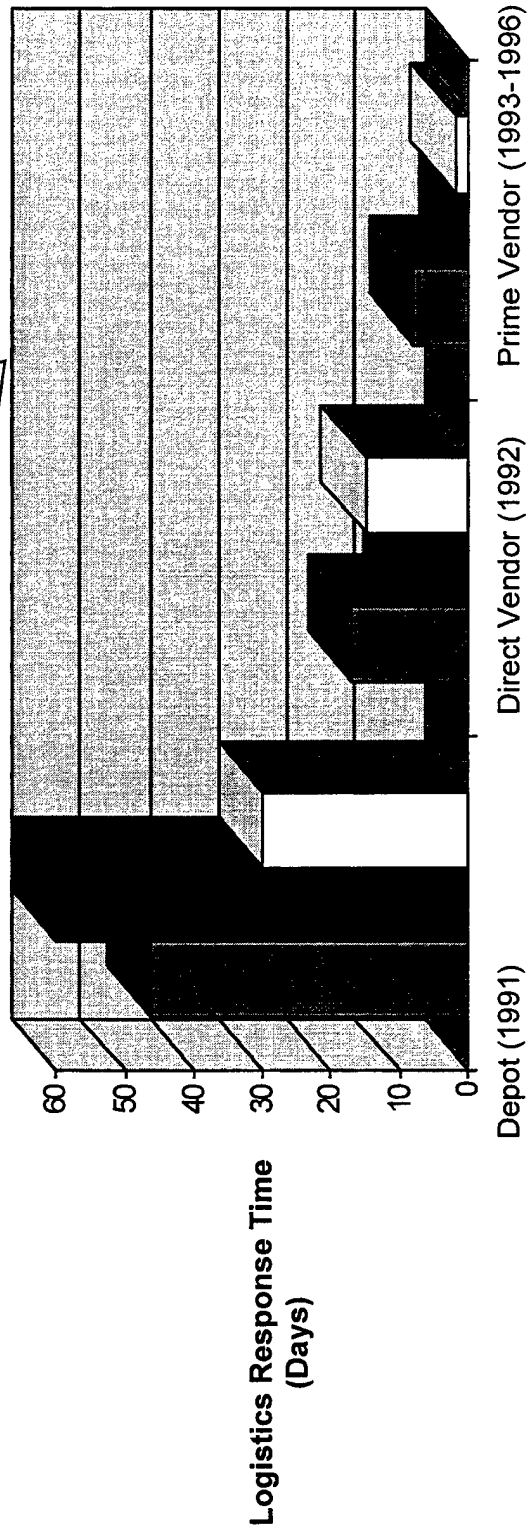
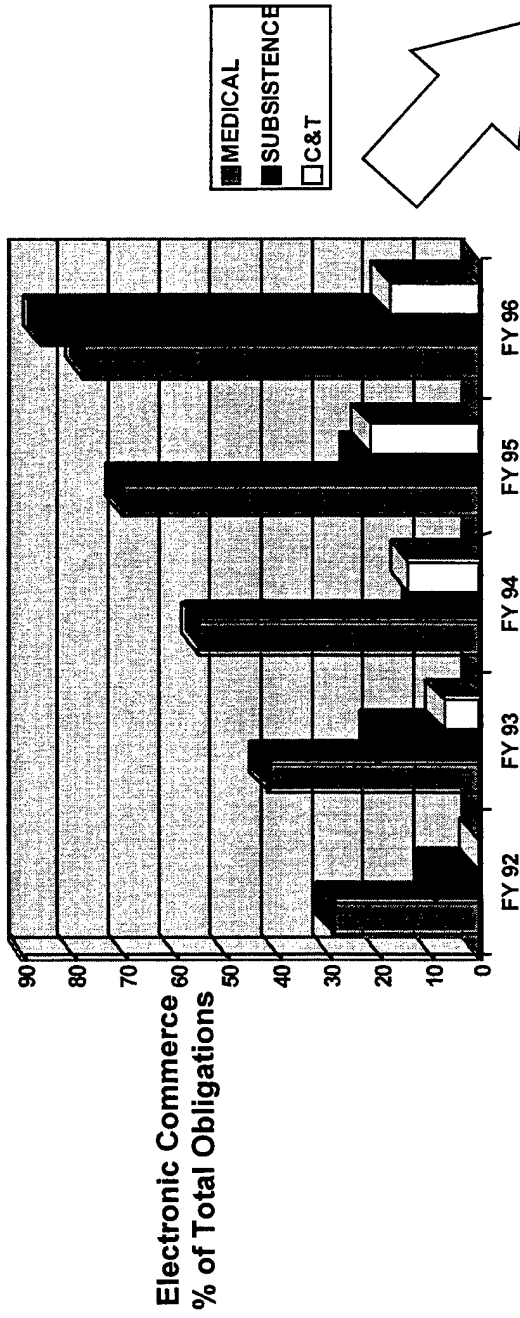
2040 +



Great-Grandson



Direct Vendor Delivery (Reducing LRT)

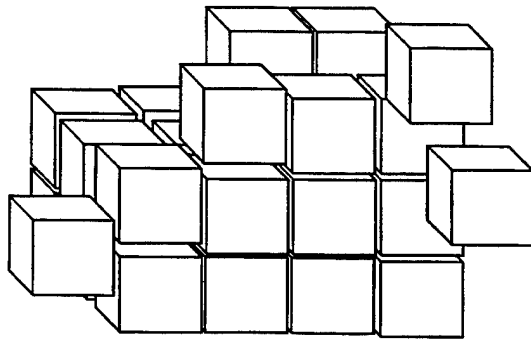




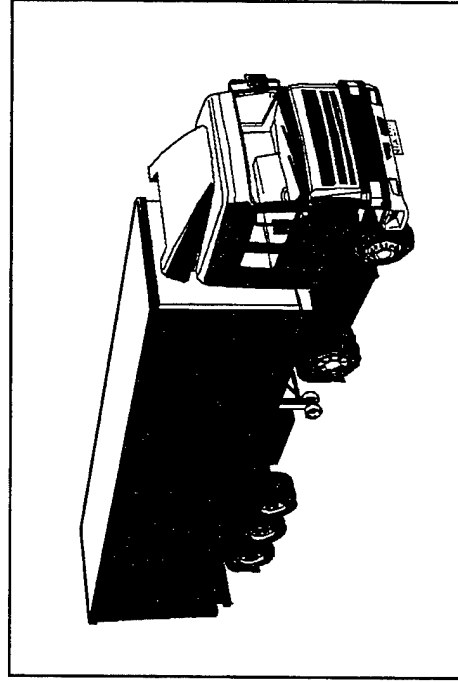
Using Dedicated Deliveries to Reduce Order Ship Time and Inventory

Fort Hood Texas

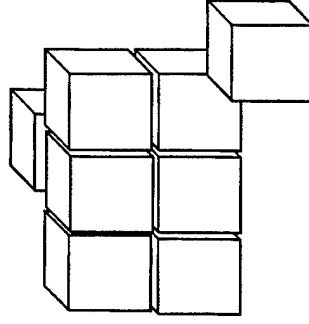
Dedicated Commercial Delivery



6,469 NSNs
May, 1995



2 Day Service



3,257 NSNs
September, 1997

Expanding from
Fort Hood success
to other bases

Bottom Line

- 50 percent reduction in NSNs
- Reduced transportation costs by \$3,300 per week
- Reduced inventory by \$8 million

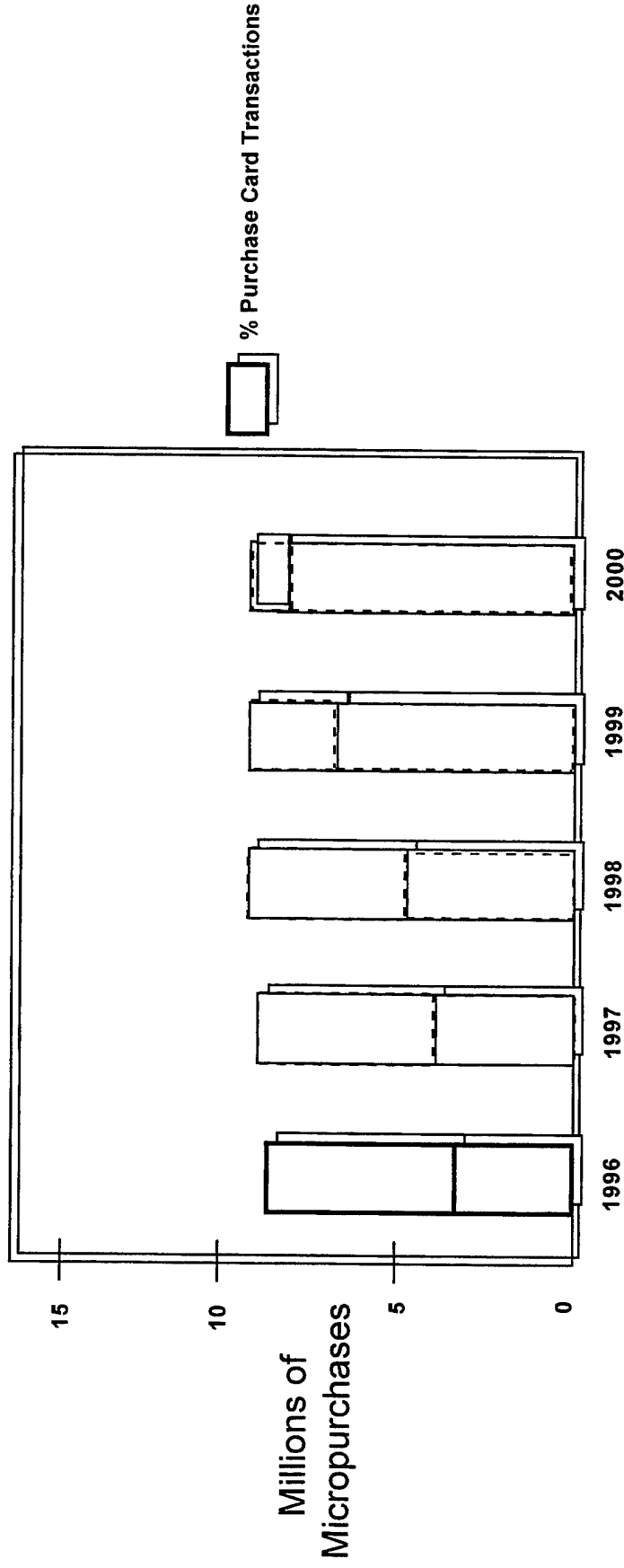
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Reengineering - Looking for order-of-magnitude improvement

- **On-line ordering, ITV, DVD etc.**
- **Flexible manufacturing to reduce . . .**
 - **Administrative lead time**
 - **Production lead time**
- **Process improvements to reduce repair cycle times in depots**
- **Joint Total Asset Visibility (JTAV)**



Employing IMPAC Cards



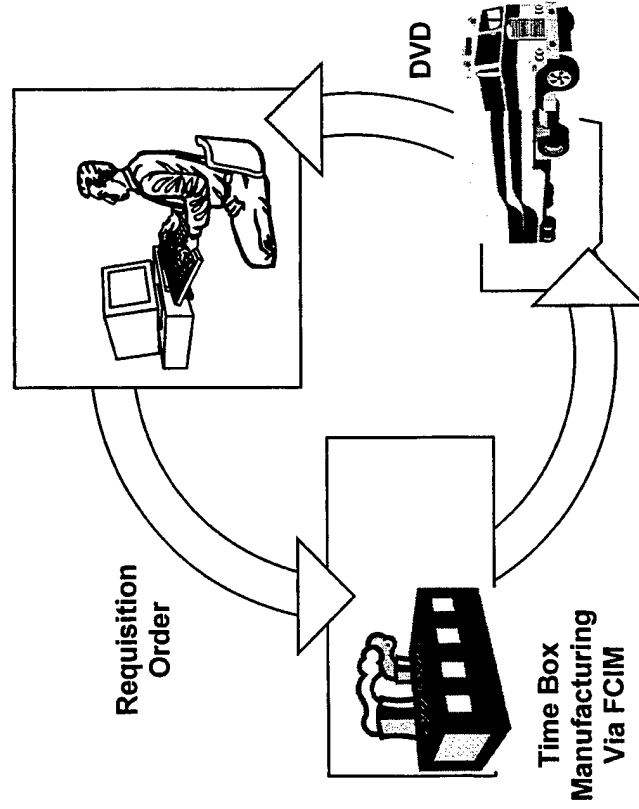
\$750.5 million worth of IMPAC Transactions in FY97

Every IMPAC Card Transaction avoids \$50 in administrative handling costs



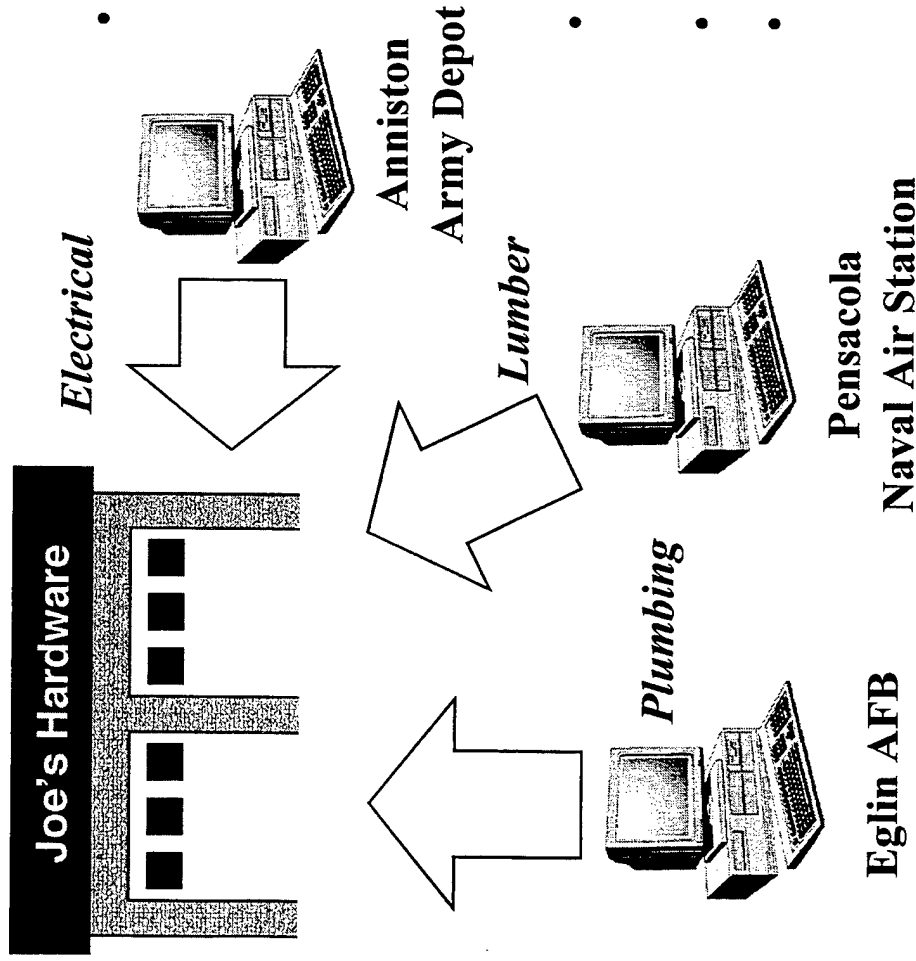
Flexible/On Demand Manufacturing Contracts (Reducing ALT and PALT)

- Contract for thousands of similar NSNs on IDIQ basis
- Items grouped by technology (castings, forgings, machined parts, electronics, etc.)
- Guaranteed minimum volume based on demand histories (include non-demand parts)
- Competitively award multiple long-term contracts (10-15 years) (Time Demand Driven)
- Direct Vendor Delivery





Regional Contracts for Installation Support Material

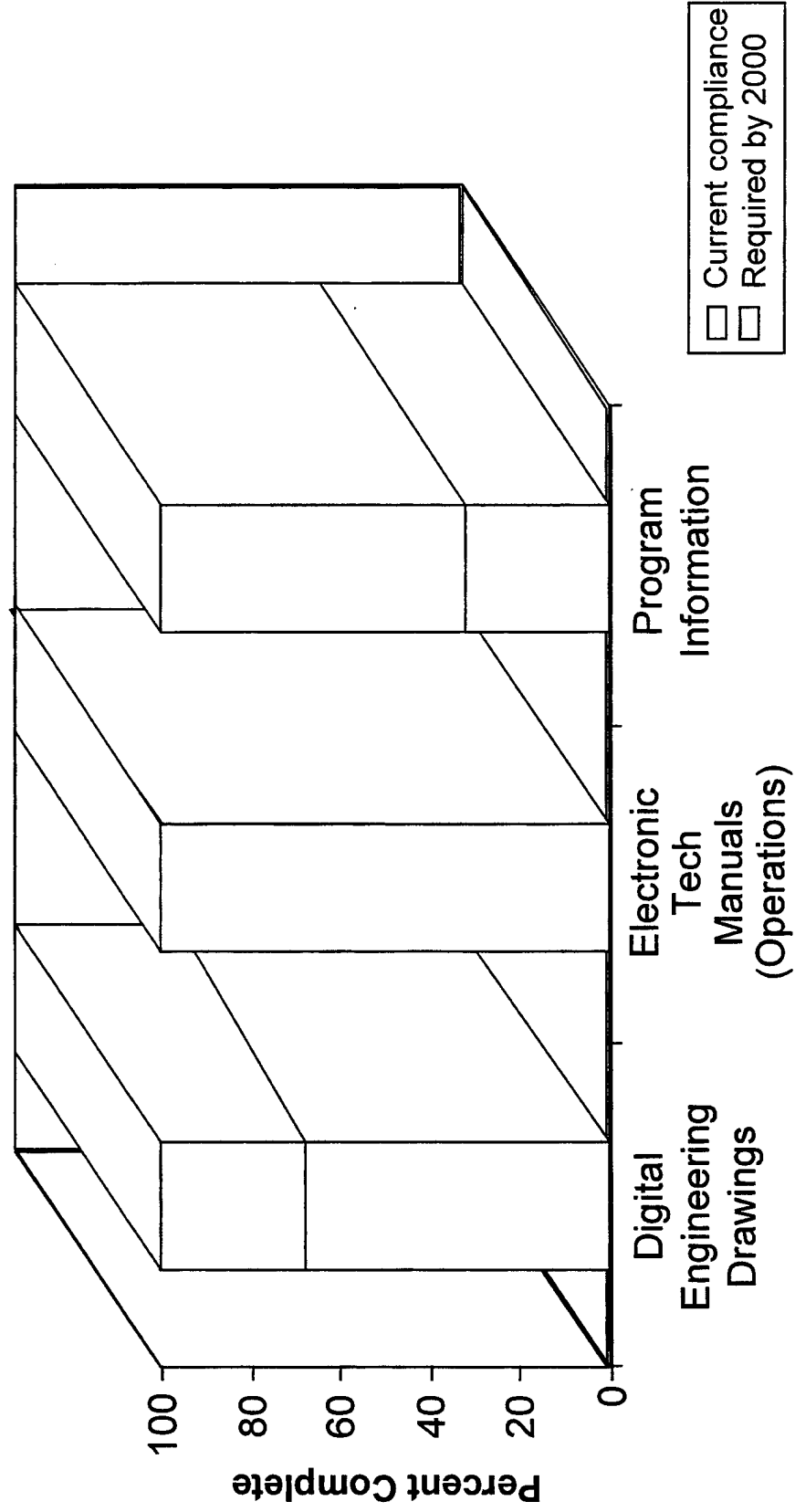


- Expand Commissary Success to other Installation Items
- Establish multiple competitive IDIQ contracts for support materials
 - Lumber
 - Automotive
 - Plumbing
 - Electrical
- Purchase required items from contract via IMPAC cards
- Direct Vendor Delivery
- *Eliminates* ALT, procurement and finance burdens and lead times



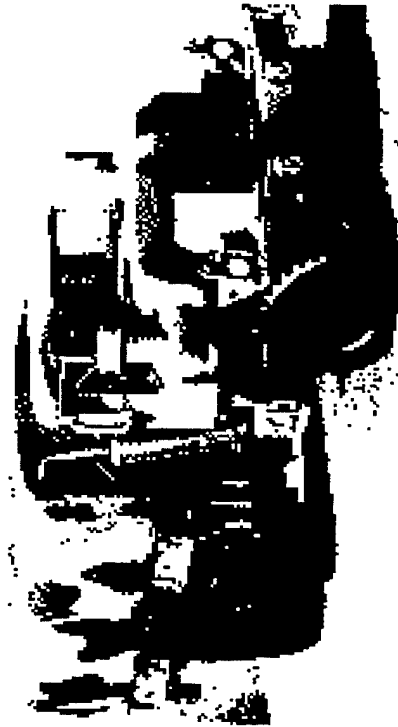
Data Conversion Status

(What's Done and What Needs to be Done)





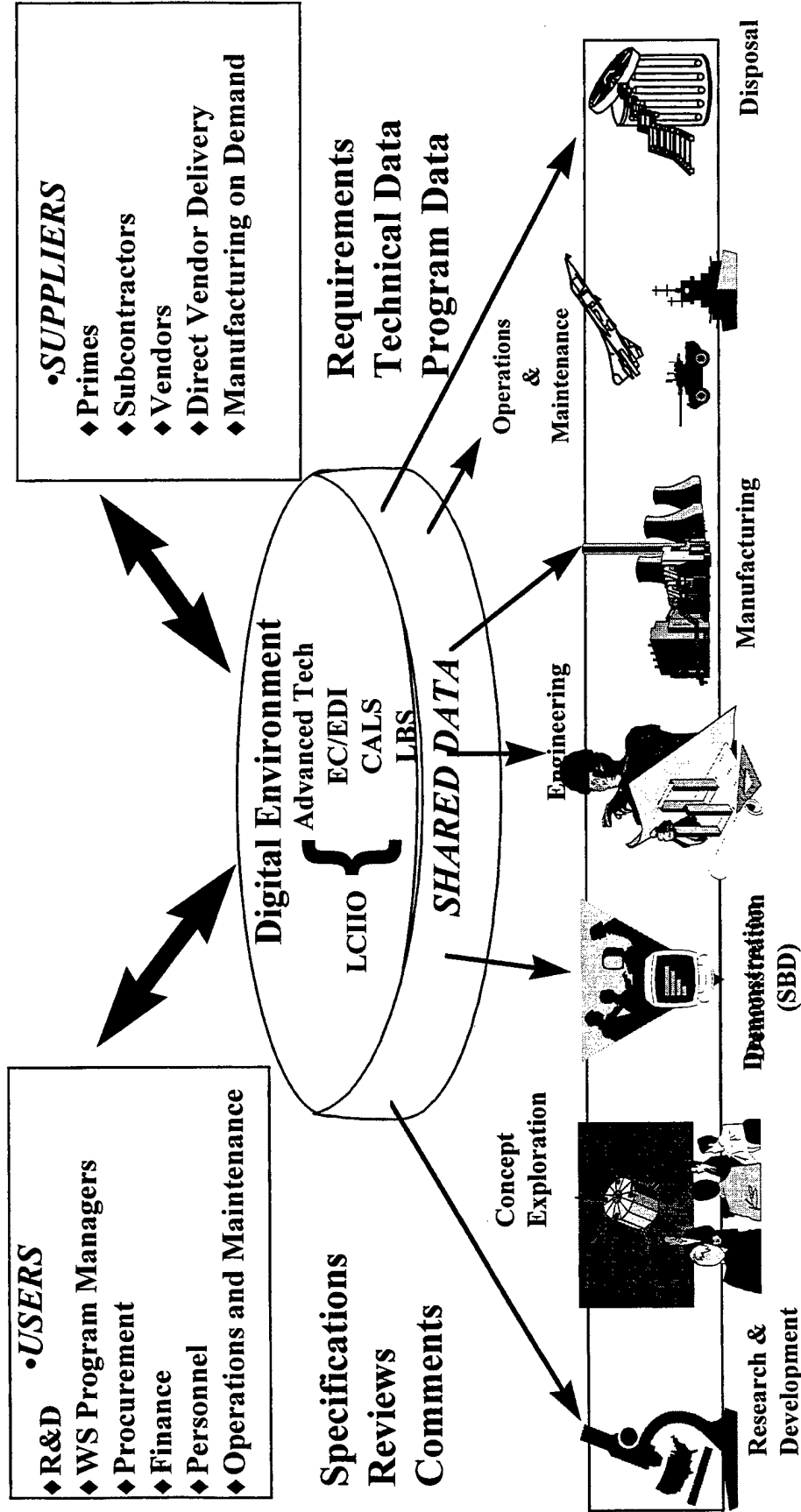
Technology Insertion



- 5-ton truck inserted commercially developed constant velocity U-joint
- CV joint dramatically reduced tire wear
- Net reduction of 60 percent in tire maintenance cost (\$19 million per year to \$6.5 million/year)
- DoD extended this initial success to broader areas and leveraged a \$135 million investment (COSSI/DUAP) into a \$4 billion O&S cost avoidance over 10 years



Life Cycle Information Management via Integrated Data Environment (IDE)





IDE Near-Term Future Deployments

- **IDE deployments FY98**
 - Army: TACOM
 - Navy: • Ship to Shore Modernization
 - Regionalization at Corpus Cristi
 - AF: F-15, Warner Robins ALC
 - DLA: Defense Personnel Support Center
- **Simulation-Based Acquisition (SBA) deployments FY98-99**
 - Army: 2-1/2 and 5-ton trucks
 - C3I: Satellite and programmable modular radio
 - AF: KC-135R

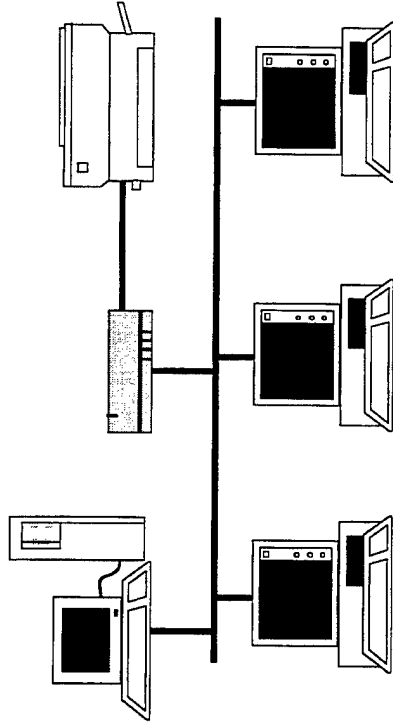


Data Center Consolidation and Migration

An Approach and Strategy



Data Center Operations



**Trends in commercial data centers provide insight
consolidation economies**

Doing more for less

Hardware (HW) costs continue to decline

HW still accounts for 48% of mainframe data center budgets

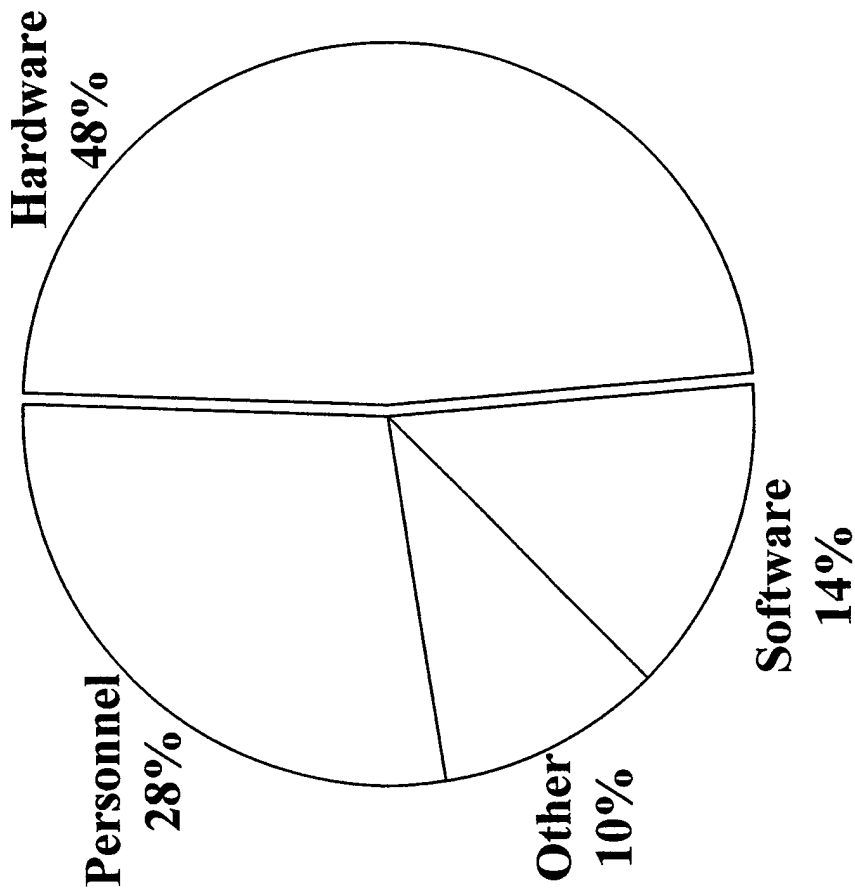
Other commercial center cost continue to decline

**Companies' major strategy for cost/staff reduction is through direct
consolidation or outsourcing**

97-0180.22



Commercial Practice Cost Mix

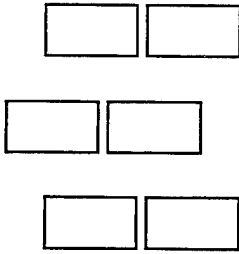


Successful data center managers address all cost elements of data center operations. Best commercial practice helps achieve this goal.



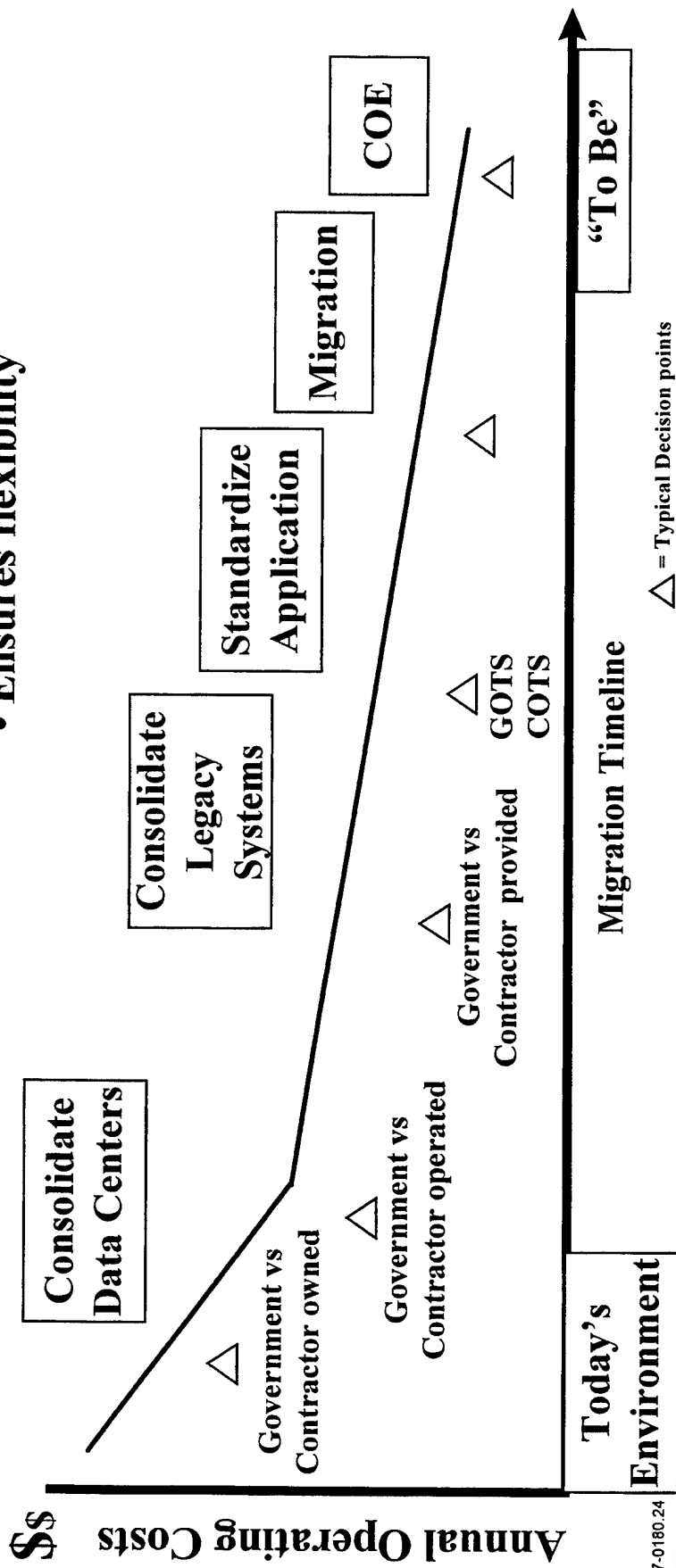
Migration Strategy

Multiple Systems



The Approach is Open

- Provides positive control over risk management to AMC
- Multiple decision points to prevent “lock-in”
- Ensures flexibility



97-0180.24



The Vision

In addition to immediate savings, this strategy solves difficult problems associated with:

- Costs over mid and long terms
- Facilities standard systems deployment
- Number of interfaces required by modernization/migration activities
- Eliminates hardware/software obsolescence problems
- Contract incentives keep costs down and performance up
- Migration to COE
- New major hardware procurement standards
- New major software development standards
- Achieving and maintaining state of market currency for hardware and software technology



NASA NACC: Cost Metrics

Total Cost Avoidance Percentages

	FY95	FY96	FY97	FY98	FY99	FY00	FY01	Total
HW MT	75	77	72	72	74	73	74	74
SW MT	36	41	35	33	30	28	31	33
Labor	40	54	42	50	58	62	63	54
Total	33	41	44	45	46	47	49	44

Percentage reductions based on the reductions from total center IT budgets before and after consolidation (FY95 and FY96 represent actuals)

Agency CPU Rates**

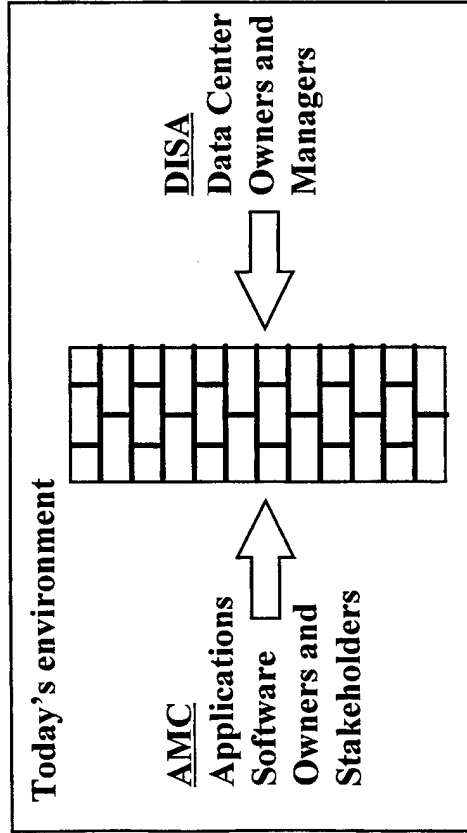
USDA	\$ 333.87
Justice	\$ 709.42
Army	\$ 613.88
CDC	\$ 432.49
NASA NACC FY-97	\$ 268.00
NASA NACC FY-98	\$ 232.17

NOTE: CPU Rates are all normalized to IBM 3090-200J hours

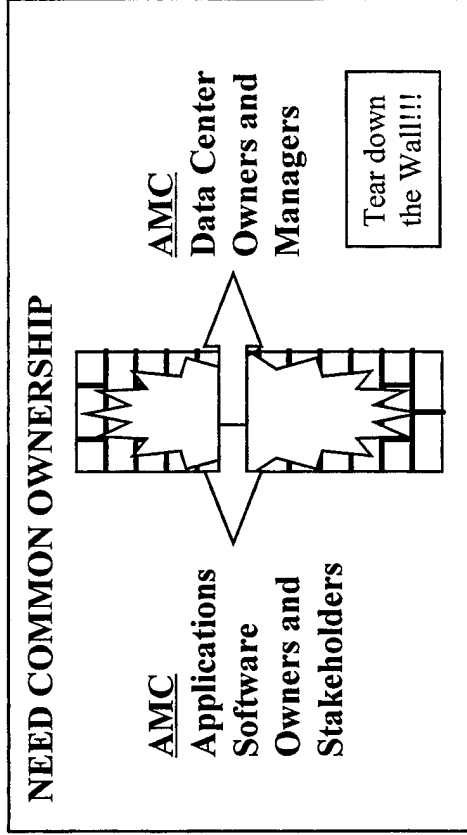


Common Ownership Is Key

Existing, barriers inhibit close collaboration required to adequately control hardware and software costs.



High cost
Fractional management
No choice for processing solution
Locked in to one data center solution
Inhibits migration
Obsolescence problems
etc. etc.



Low cost
Fully aligned management
Lots of option and alternatives
Flexible solution can react to changes
Facilitates migration
Tames obsolescence monster
etc. etc.



The Need For Best Practices

- DISA costs exceed best commercial practices
- 1996 Coopers & Lybrand report on Strategy Options for Defense Information Services noted DISA Megacenters have significantly higher staff level than industry. The study suggests this is due to:
 - Low levels of automation used in the data centers
 - Outdated hardware and software
 - Organizational structure e.g., separate management for each DMC



NASA NACC: A Success Story

- **In 1994, NASA initiated a data center consolidation program.**
- **GOCO program has achieved significant benefits including:**
 - Established NASA ADP Consolidation Center (NACC) at Huntsville
 - 613 MIPS today, with two additional processors being installed
 - Centralized maintenance and management
 - Elimination of redundancy
 - Cost Reduction



NASA NACC: Cost Reductions

- **NASA's significant cost reductions to date include:**

Over 40% reduction from previous operating costs, including hardware, software, and staffing
75% reduction in power requirements
50% reduction in footprint
Significant reduction in operations staffing
NASA's current costs are significantly lower than other comparable Government installation

- **Future cost reductions include:**

An additional 30% savings in Legacy System Maintenance costs
Additional TBD savings from consolidating multiple applications into core, enterprise-wide applications
Quicker, less costly migration path to new systems



Plan of Action

- **Study required to validate potential savings for the initial steps of the proposed migration strategy**
- **Data center consolidation options to be evaluated include:**
 - Continue to use DMCs
 - Establish AMC specific data center capability
 - Outsourcing
- **Recommend use of qualified contractor with consolidation and outsourcing experience to assist with study.**

NOTES

ADOPTING COMMERCIAL SOLUTIONS FOR MODERNIZATION

Logistics Modernization

MG GERARD P. BROHM



**U.S. Army
Communications
Electronics
Command
(CECOM)**

**MG Gerard P. Brohm
Commanding General**

20 Oct 97

**LOGISTICS
MODERNIZATION**

AMC Tasking

“Determine the feasibility of modernization alternatives and implementation strategies for AMC’s Wholesale Logistics processes, practices and Information Technologies.”



***LTG Dennis Benchhoff
5 August 1997***

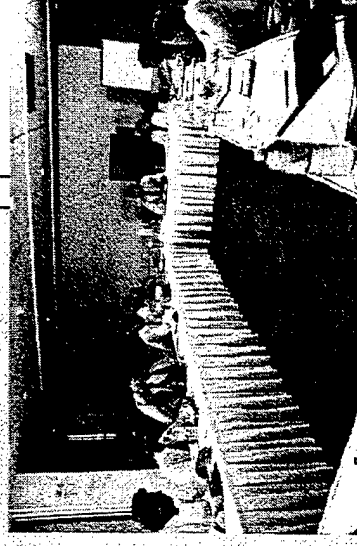
Specific Requirements

- **Identify Best Commercial Practices and Supporting Commercial Products**
- **Privatize Development and Sustainment**
- **Reshape the Workforce**
- **Take Care of People**
- **Develop Strategic Relationship with Industry**



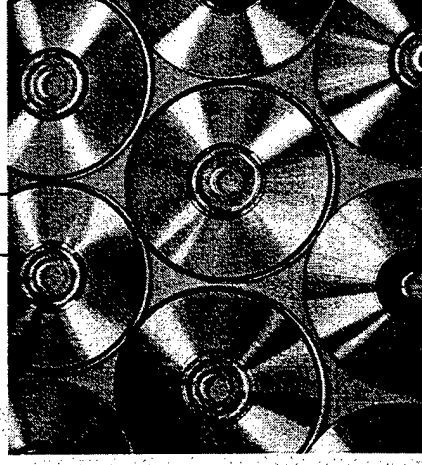
Specific Requirements

- **Involve Industry Early**
- **Provide for User Evaluation and Feedback**
- **Use CAIV: Cost at or Below Current Funding Levels**
- **Contractor Operation of Legacy Systems during Cutover**



Specific Requirements

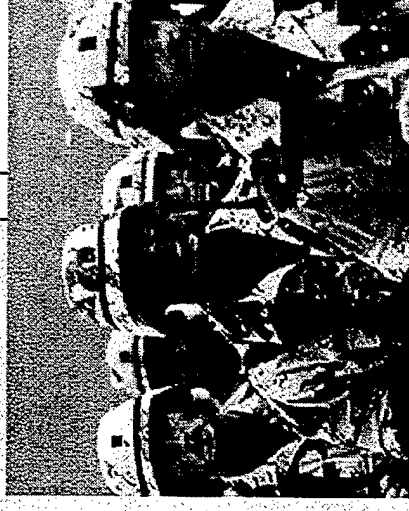
- Allow for Continuous Technology Refreshment
- Provide Innovative Solutions within an Aggressive Implementation Schedule



***Allow for Tie to ICS3
Modernization Effort***

We Can't Continue Like This...

- **With Old Software Code--- Expensive
to Run and Maintain**
- **With a Workforce at Risk**
- **Making Incremental Changes to
Software -- 50% of \$\$ Available**
- **With Army Leadership Increasingly
Frustrated**



General Reimer's Priorities

Comanche

Crusader

Logistics Modernization



***We Cannot Afford
"Business as Usual"!***

We need...

APPROACH

What We Need From You...

WORLD ORGANIZATION

Ask
questions

Keep
an open
mind

Knowledge

Ideas

Energy

Support



NOTES

AN AMC PERSPECTIVE

**US Army Materiel
Command**

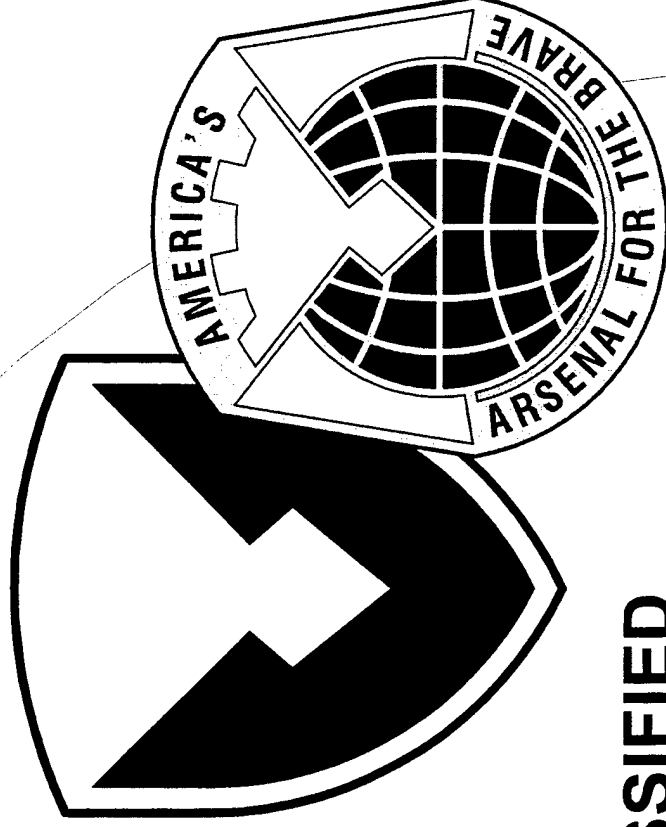
MR. A. DAVID MILLS

AMC PRINCIPAL DEPUTY FOR LOGISTICS

Army Materiel Command

Presented by:
A. David Mills
Principal Deputy for Logistics

An AMC Perspective
20 October 1997



UNCLASSIFIED

AMC – Relevant, Responsive & Ready !



The Army's Top Three Programs:



General Dennis J. Reimer

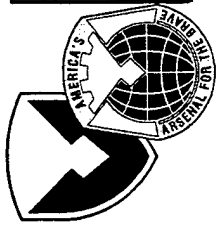


Office of the Chief of Staff
United States Army

“Without putting them in any particular order, I’d have to say they’re the Comanche [helicopter], the Crusader [artillery system], and logistics automation.

The last one might surprise some people, but it’s my concern that if we really want to do things differently on the battlefield, we have to do things differently with logistics. We have to make some inroads in this particular area.”

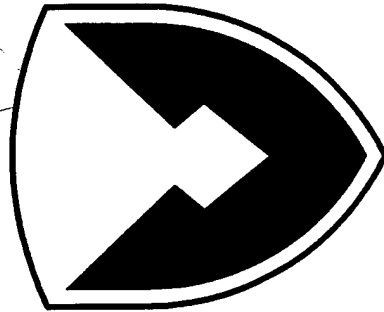
Reference: Armed Forces Journal International / October 1996.

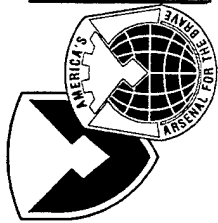


The U.S. Army Materiel Command

Strategic Vision

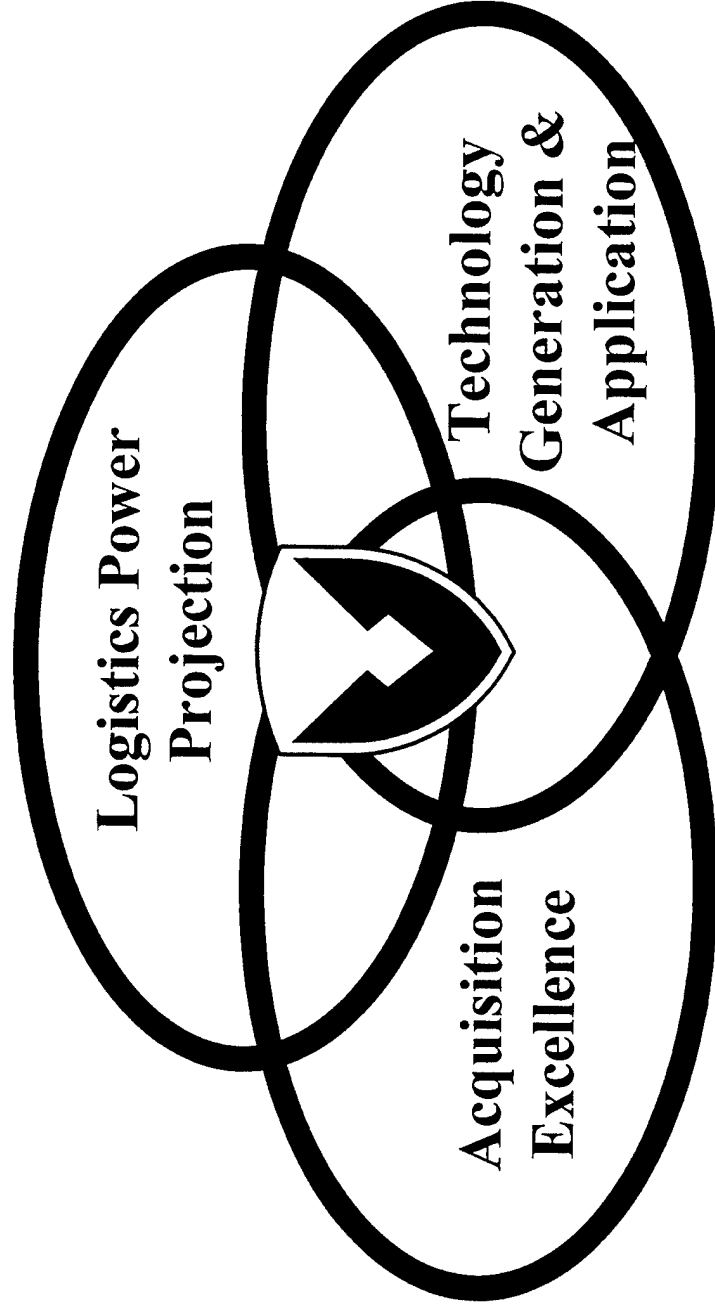
Equip and Sustain the Total Force through technology and responsive support, assuring worldwide power projection and decisive victory.

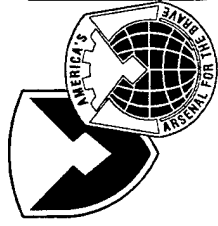




The U.S. Army Materiel Command

Core Competencies

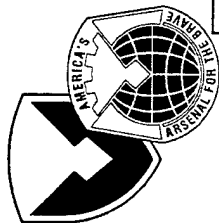




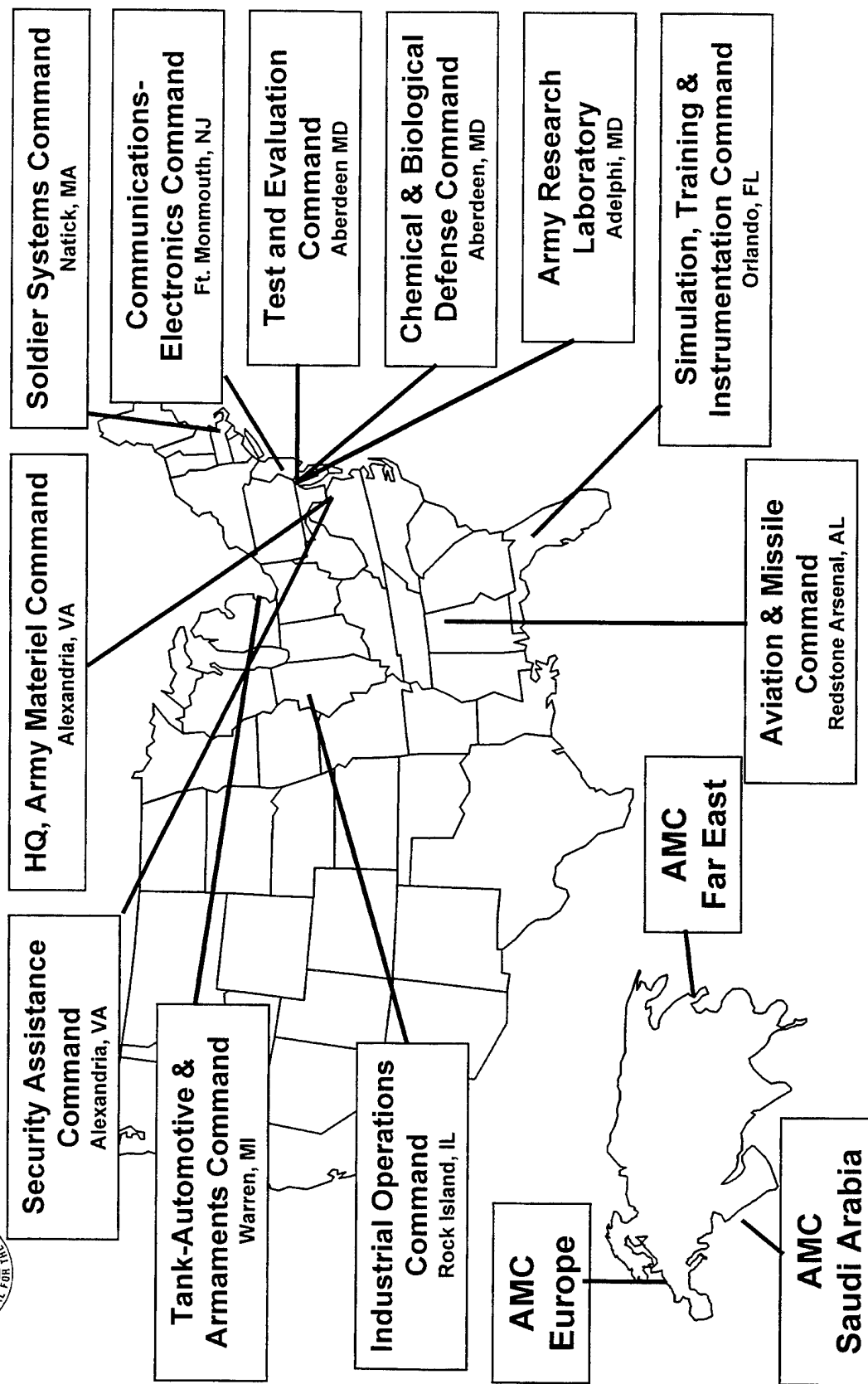
The U.S. Army Materiel Command

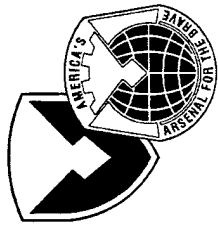
Key Business Processes

- * Configuration Management * Log Data Management
- * Resource Management * Depot Maintenance
- * Technical * Ammunition
- * Major Items * Installation Logistics
- * Product Definition * Security Assistance
- * Requirements * Asset Management
- * Procurement



AMC Major Commands

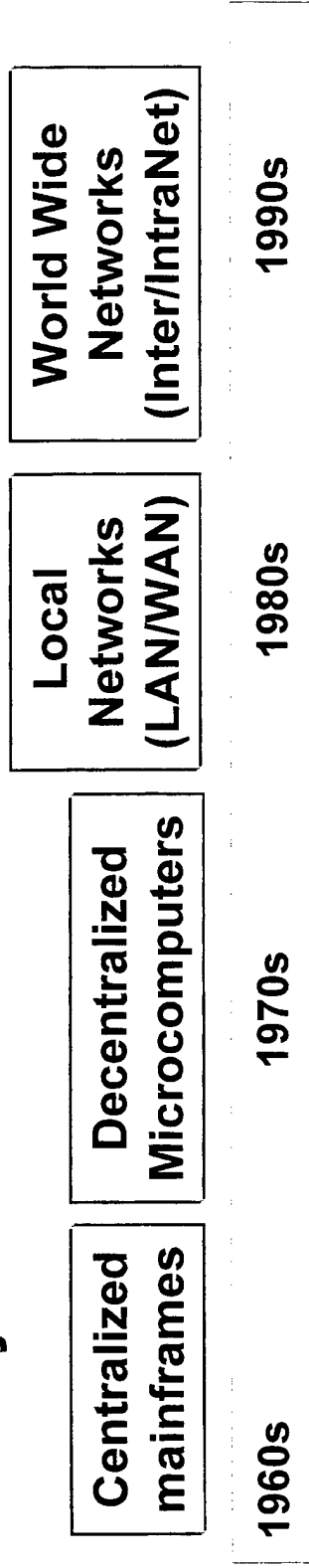




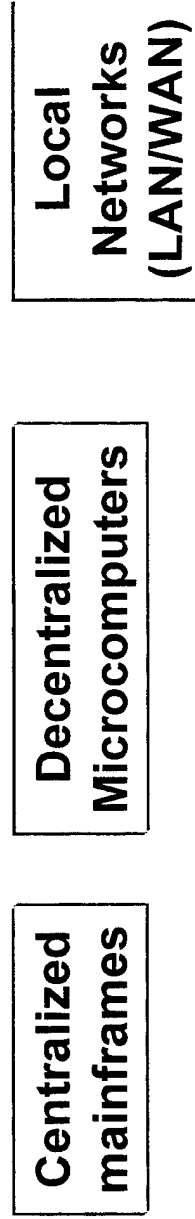
Automation Evolution

Army has lagged commercial industry!

Industry



Army

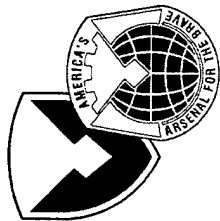


Why

Same Life Cycle
Mgt for Tank & Info
Sys

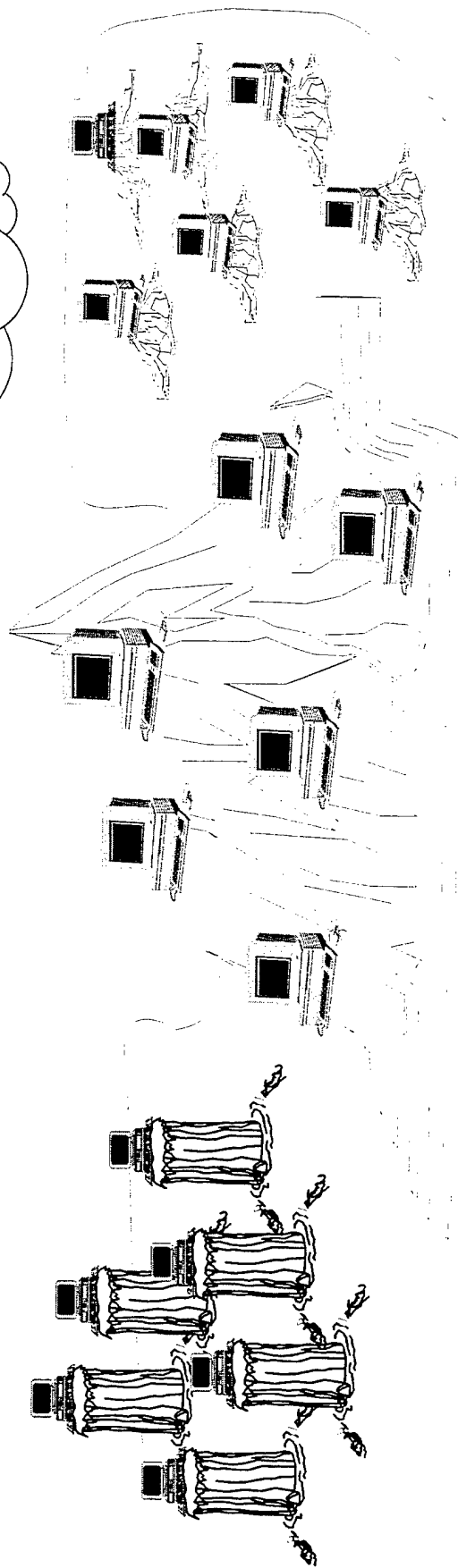
Changing
Priorities

QDR
Reductions



The Problem ...Islands of Automation

Built to be a
"sneaker net"



Tactical Cluster

Property Books (SPBS-R)
Unit Level Supply (ULLS)
Maintenance (SAMS)
Retail Supply (SARSS)
Medical (TAMMIS)
Personnel (SIDPERS)
Finance (STANFINS)

Wholesale Cluster

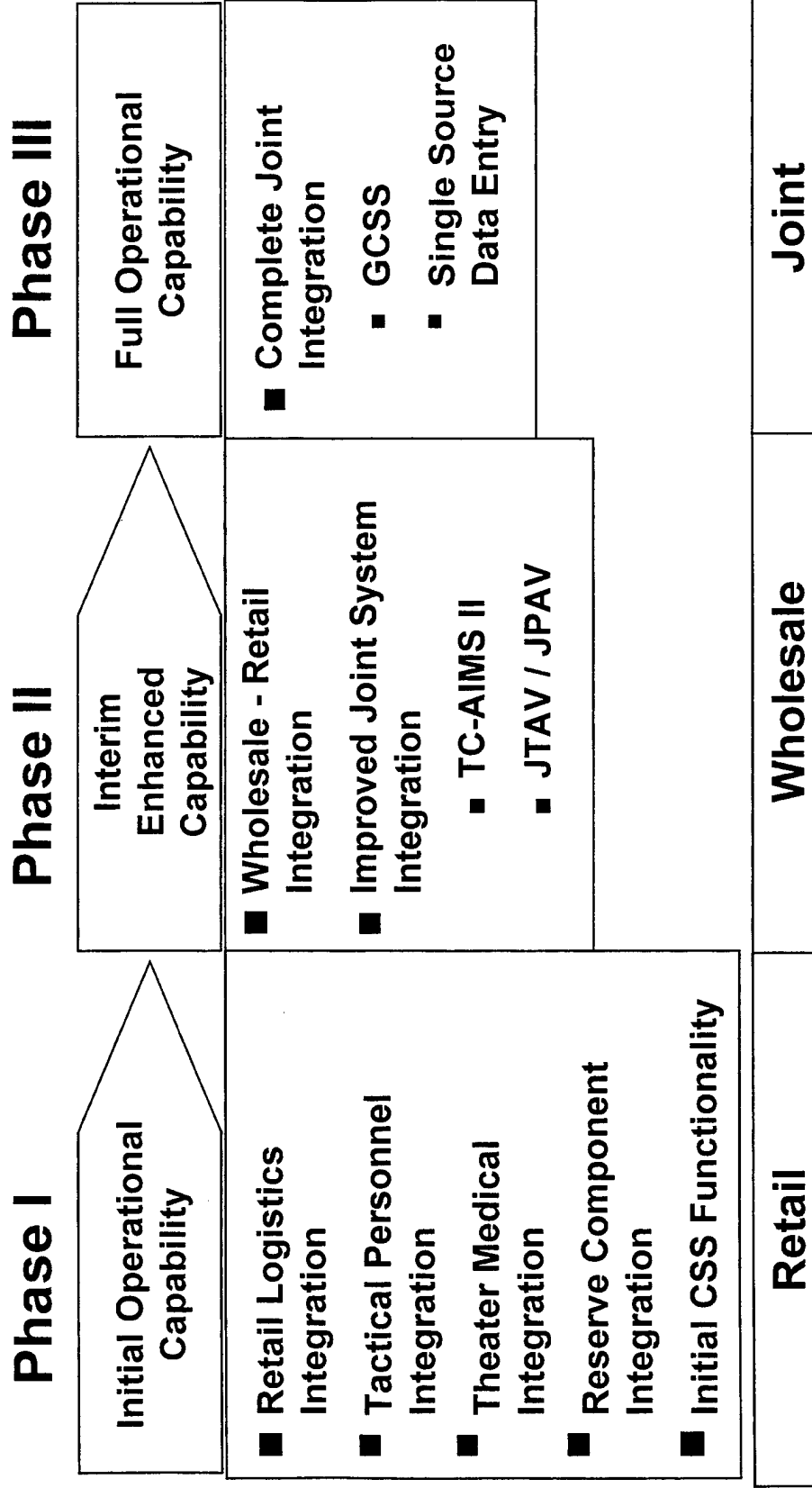
Commodities (CCSS)
Depots (SDS)
War Reserve (AWARDS)
Distribution (DSS)
Asset Visibility (ATAV)

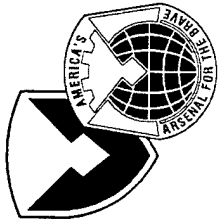
Joint Cluster

Asset Visibility (JTAV)
Transportation (GTN)
Joint Ops (JOPES)



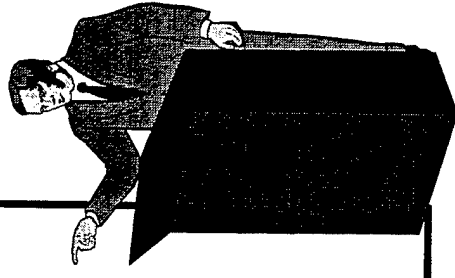
Integrated Combat Service Support System (ICS3) Phased Approach





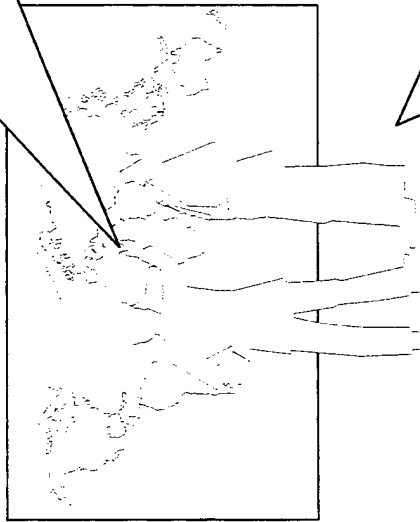
What We Need to Capitalize On...

- ★ **Information as a corporate asset.**
- ★ **Timely availability and data quality**
- ★ **Array data as a common picture.**
- ★ **Rapid application approach to code-building to quickly develop and field needed capability.**
- ★ **Metrics based performance analysis.**
- ★ **Flexibility in Joint Service architecture development.**

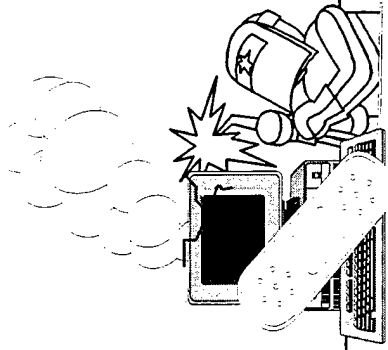




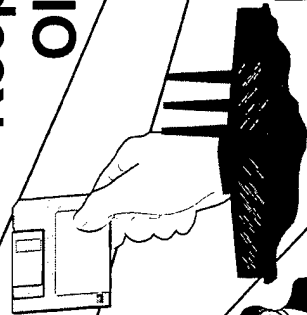
Where Do We Go From Here?



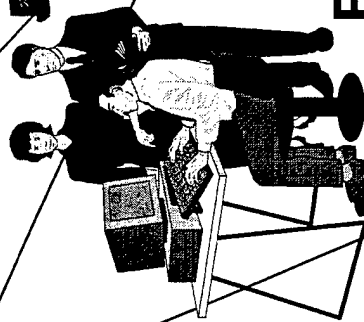
**Keep patching the
Old System...**



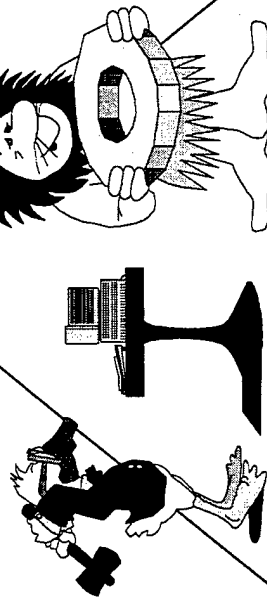
**Look for an
Industry "Fix" ...**



**Evolve through
Business Process
Reengineering...**



**Scrap the System and
Re-invent the Wheel...**





Revolution In Military Logistics



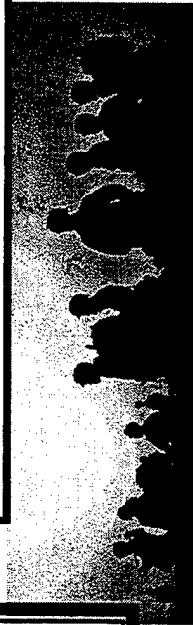
***"A Revolution in Military Logistics,
Leveraging Technology to Fuse New
Concepts, Information and Logistics
Systems. Reshaping the Way We Protect and
Sustain America's Army in the 21st Century."***

[Signature]
JOHN G. COBURN
Lieutenant General, GS
Deputy Chief of Staff
for Logistics

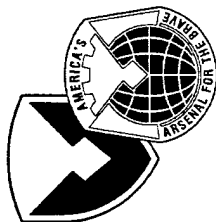
[Signature]
ROBERT M. WALKER
Assistant Secretary of the Army
(Installations, Logistics,
and Environment)

Distribution Based:

- ◆ ***Logistics Velocity, Not Logistics Mass***
- ◆ ***Real-Time Situational Understanding***
- ◆ ***New Organizational Designs with a Seamless Logistics System***
- ◆ ***Supporting Our Nation's Needs***
- ◆ ***Enabling the Revolution in Military Affairs***



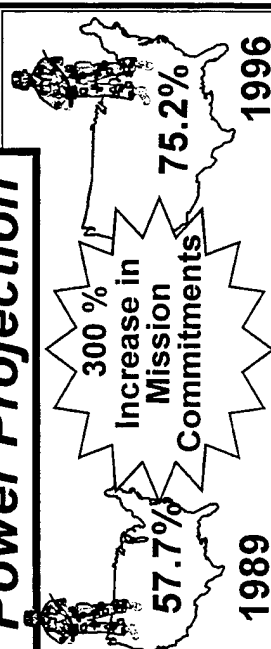
July 1997



Sizing the Problem – Why Change?

Old Ways CANNOT Be New Ways !

Power Projection



ArmyXXI & AAN

- Rapid Deployment
- Battlefield Mobility
- Maximum Flexibility
- Situational Awareness

Requirements

Resources

Massive

- 138 Standard Log Systems/Hundreds of Databases
- 7,354 Non-Standard Systems
- 110 Million Lines of Code
- Maintenance: Five levels from Operator to Depot
- Inventory \$ 9.08 Billion (Secondary)
- \$ 4.18B in Sales /Over 7 Million Requisitions
- 750,000 gal/day to Fuel a Heavy AOE Division in an Attack--Desert Storm

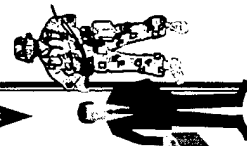


Must

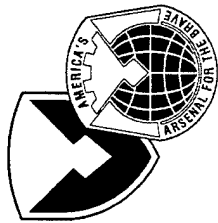
HOW?

Army Resources:

Civ	<u>FY89</u>	403K	<u>FY03</u>	233K	%	42
Mil	<u>FY89</u>	769K	<u>FY96</u>	495K	%	36
Funds	<u>FY89</u>	\$95.4B	<u>FY96</u>	\$59.5B	%	40



Emerging Solutions



The Revolution Has Begun . . .

Doing Many Things . . . Some Examples

Technology Application and Acquisition Agility

- ♦ Palletized Load System w/ Movement Tracking System
- ♦ Batteries and Alternative Power
- ♦ Best Value
- ♦ Life Cycle Cost Mgt
- ♦ IMPAC Credit Card
- ♦ JCALS

Force Projection

- ♦ Fast Sealift
- ♦ Power Projection Infrastructure
- ♦ Enhanced RSO & I
- ♦ Army Prepositioned Stocks
- ♦ Army Strategic Mobility Program
- ♦ Center for Commercial Deployment of Trans Tech

Force Sustainment

- ♦ Force Provider
- ♦ Battlefield Distribution
- ♦ LOGCAP
- ♦ Fleet Management
- ♦ Contractor Logistics Support
- ♦ ISM - Regional Maintenance
- ♦ DVD - Factory to Foxhole
- ♦ ALT/PLT and OST Reductions



Measuring RML Progress--Science and Art

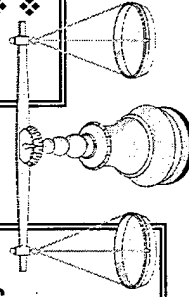
A Multi-Tiered Approach Balancing Science and Art

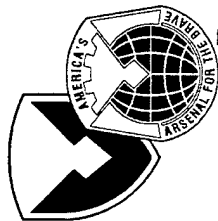
Peacetime Efficiencies - Science

- ♦ **Less Mass**
 - ❖ Number of Log Automation Systems
 - ❖ Reduction in Inventory
 - ❖ OST Improvements (Hours, not Days)
 - ❖ Smaller and Less ASLs/PLLs
 - ❖ Joint Cross Leveling
- ♦ **Increased Velocity**
 - ❖ Real Time Situational Understanding
 - ❖ Automation and Communication Connectivity
 - ❖ "State of the Market" Technology to the Force
 - ❖ Satellite Tracking/Telecomm
 - ❖ Strategic Lift Improvements
 - ❖ Replace Forward, Repair Rear (2 Levels)
 - ❖ Battlefield Logistics Mobility
 - ❖ JTAV and ITV
- ♦ **Revolution in Business Affairs**
 - ❖ Customer Satisfaction
 - ❖ New Organizational Designs
 - ❖ Financial and Accounting System Interface
 - ❖ Movement Toward an Expanded Community
 - ❖ Enablers for RMA
 - ❖ Empowering Laws and Regulations
 - ❖ Funding
 - ❖ Logistics Simulation Tools

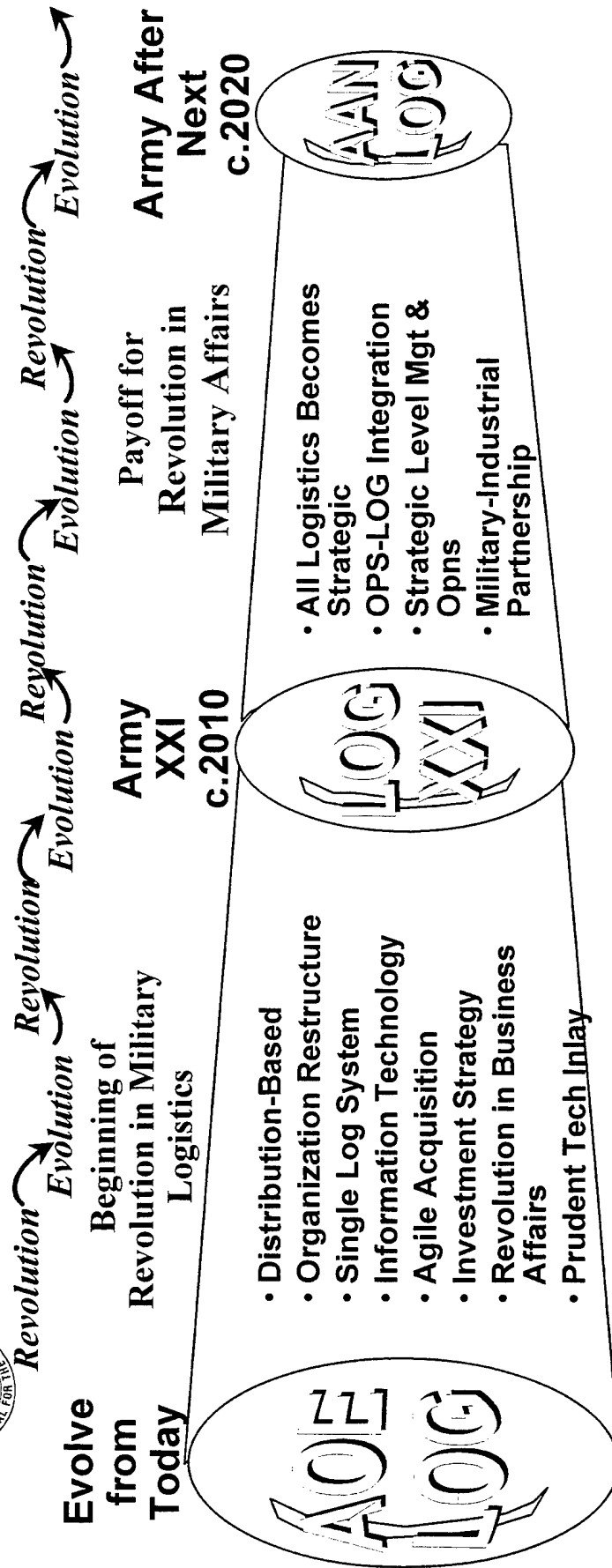
Wartime Effectiveness - Art

- ♦ **Technology Application and Acquisition Agility**
 - ❖ Rapid Acquisition
 - ❖ Exploitation of Emerging Technology
 - ❖ New Equipment Sustainability
 - ❖ Life Cycle Support
 - ❖ Use of National Technology Base
- ♦ **Force Projection**
 - ❖ Lighter and Smaller Sustainment Requirements
 - ❖ Faster Force Projection Time
 - ❖ Less Logistics Infrastructure
 - ❖ Increased Log System Mobility
 - ❖ Use of Space
- ♦ **Force Sustainment**
 - ❖ Operational Readiness Rates - Peacetime and Deployed
 - ❖ Just Enough Inventory Levels
 - ❖ Velocity in a Distribution Based System
 - ❖ Fuse Information and Logistics Systems
 - ❖ Alternative Support Concepts
 - ❖ Predictive Rather than Reactive





The Path to Get There

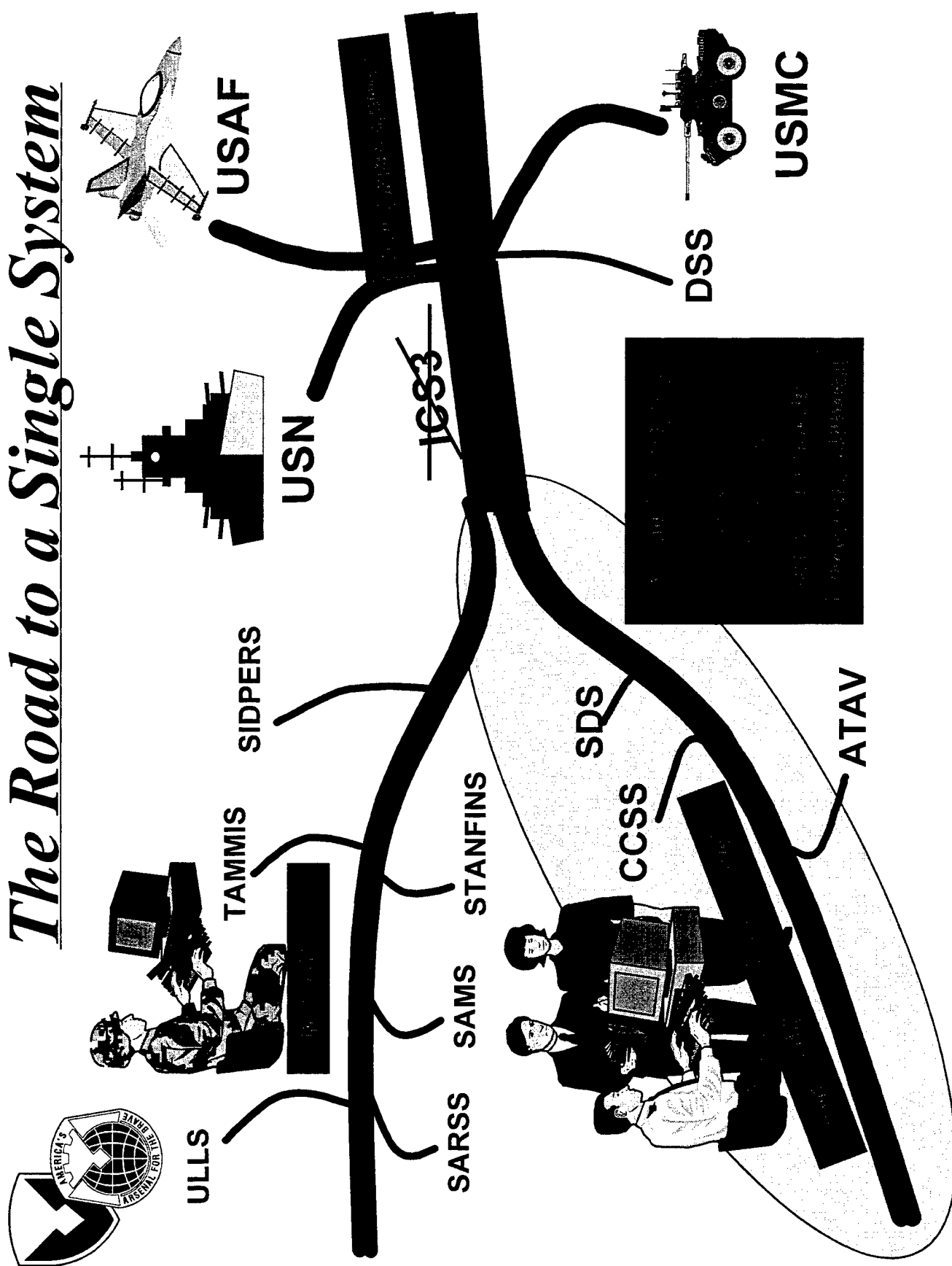


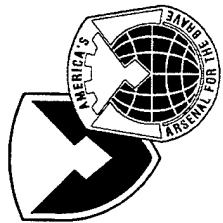
Balance Peacetime Efficiencies with Wartime Effectiveness

MASS — VELOCITY — PRECISION

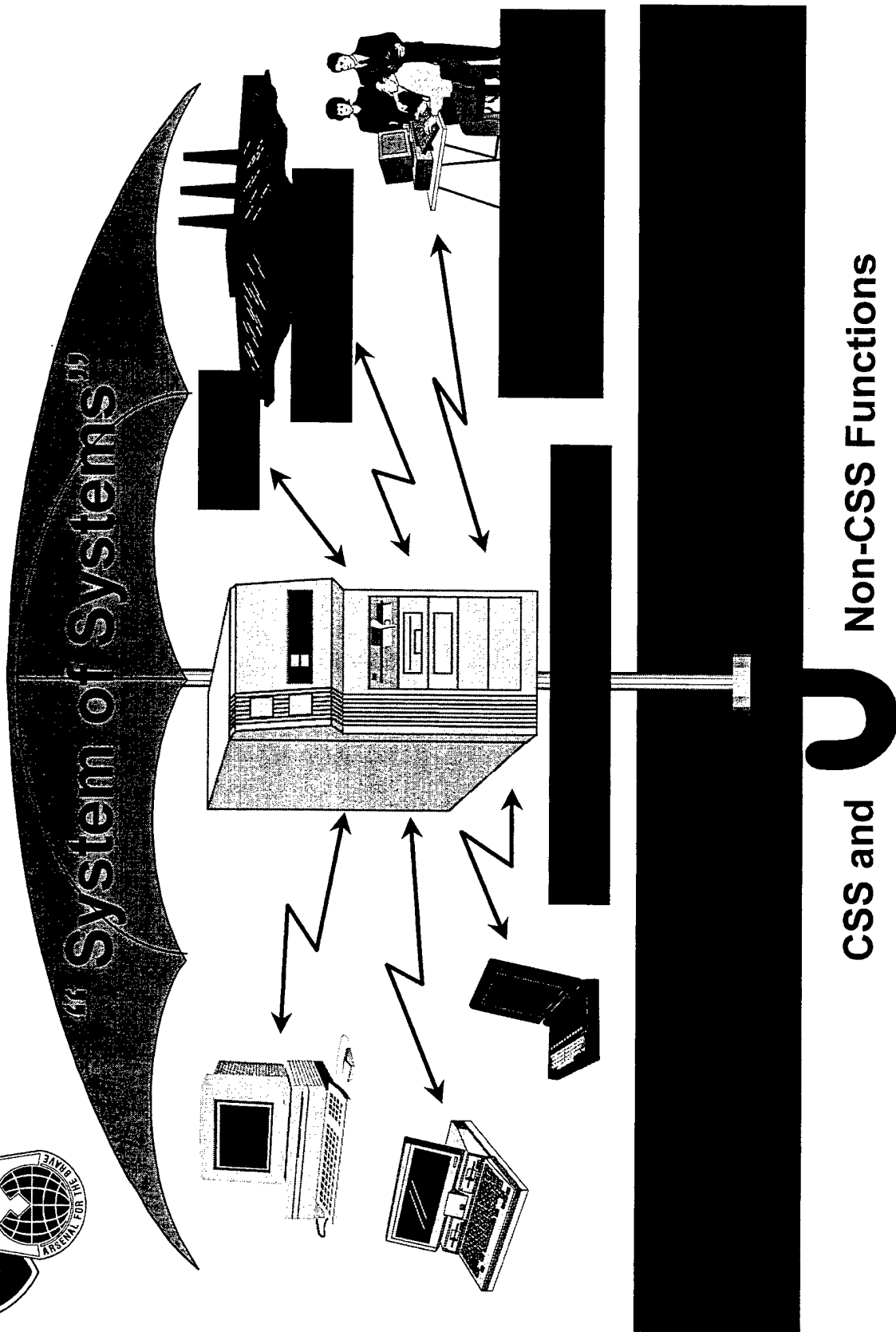
Powered by Information!

The Road to a Single System





END STATE VISION..



NOTES

FAREWELL TO OLD WAYS

Acquisition Reform Initiatives

MR. KEVIN CARROLL

**ACTING DIRECTOR, CECOM-
ACQUISITION CENTER**

FAREWELL TO OLD WAYS!

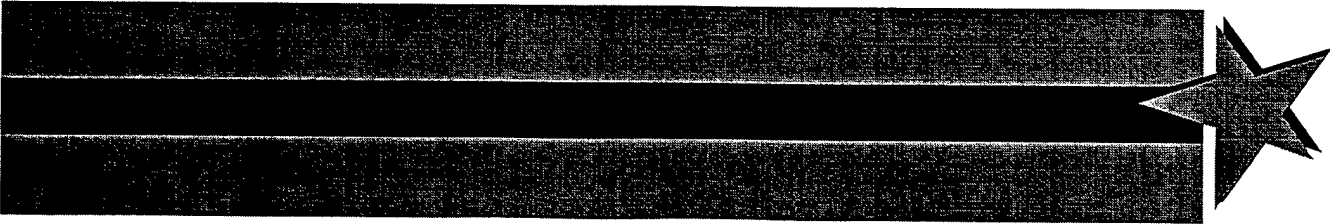
ACQUISITION REFORM INITIATIVES



KEVIN CARROLL

ACTING DIRECTOR, CECOM ACQUISITION CENTER

<http://www.monmouth.army.mil/cecom/ac/ac.html>

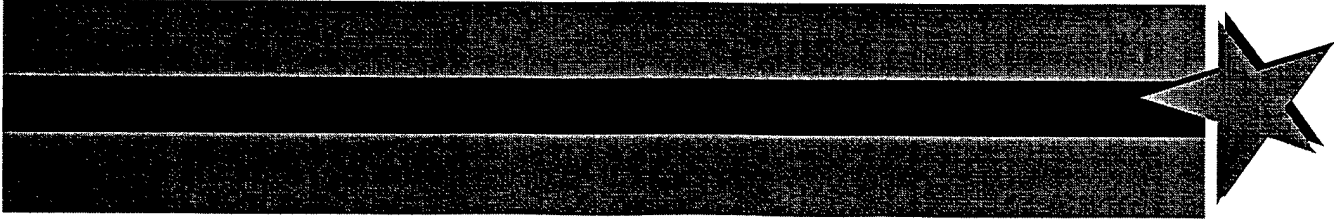


TOPICS

- ★ **CECOM Acquisition Environment**
- ★ **Proposed Logistics System Modernization (LSM) Acquisition Concept**

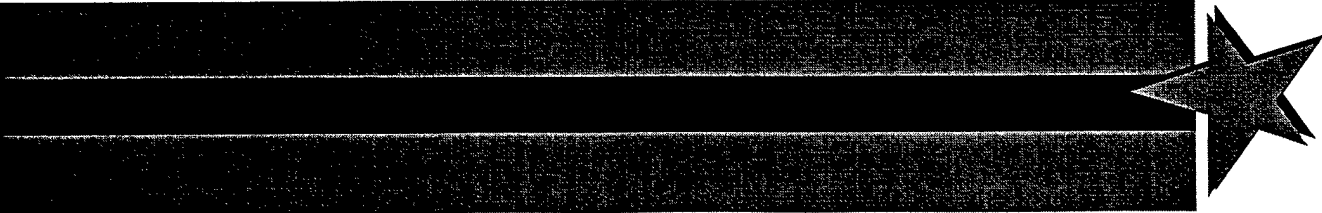
REGULATORY STREAMLINING

- ★ Federal Acquisition Streamlining Act (FASA) of 1994
- ★ Federal Acquisition Reform Act (FARA) of 1995
- ★ Information Technology Management Reform Act (ITMRA) of 1996
- ★ CECOM designated as an AMC Reinvention Laboratory
- ★ Federal Acquisition Regulation (FAR) Part 15 Rewrite



CECOM'S CURRENT INITIATIVES

- ★ Best Value Source Selection
- ★ Oral Proposals Presentations
- ★ Cost As an Independent Variable (CAIV)
- ★ Risk Management vs Risk Avoidance
- ★ Commercial Practices, Products and Processes



INITIATIVES (Cont'd)

- ★ **Electronic Commerce**
- ★ **Strategic Partnerships with Industry**
- ★ **Integrated Product/Process Development**

Performance Based Contracting
Upfront Past Performance
Assessment

RECOGNIZED LEADERS IN EXCELLENCE

**CECOM
Acquisition
Center**

**1997 Presidential
Quality Achievement
Award**

**1997 CALS
Implementor
Award**

**CECOM
LRC**

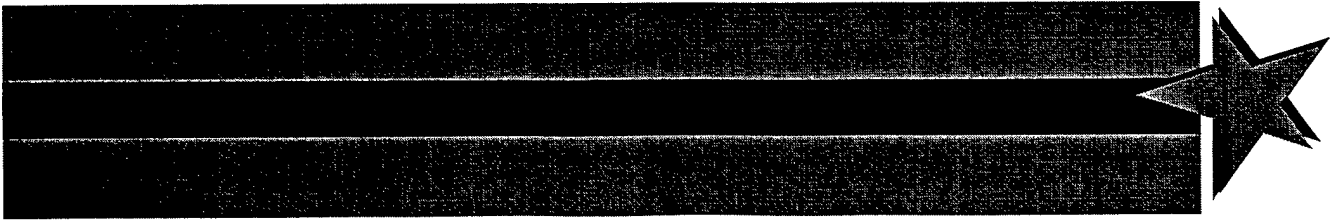
**1996- Quality
Improvement
Prototype Award**

**1997 Presidential
Quality Achievement
Award**

**CECOM
RDEC**

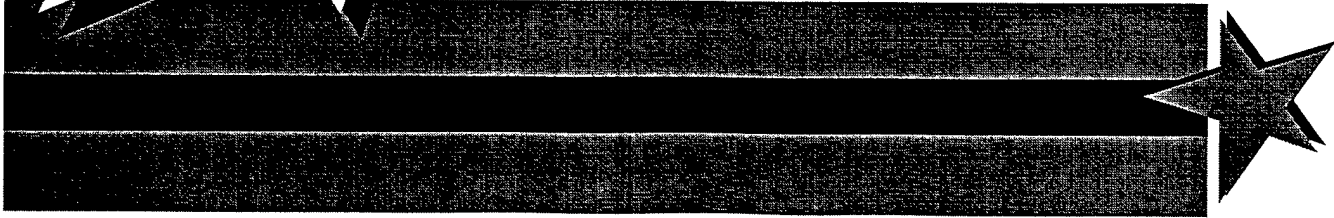
**1996 - R&D
Organization
of the Year**

**Quality
Customer Satisfaction
Teaming
Results**



REFORMS AND LOGISTICS SYSTEM MODERNIZATION (LSM)

- ★ **Open and Honest Communications**
 - (With Industry and Gov't Workforce)
- ★ **Relationship Contracting**
 - Sharing in Success
 - Long Term Contract
- ★ **Performance Based Contracting**
 - Army Defines
 - Industry Controls Delivery



BUILDING THE ROAD TO SUCCESS

You're Invited

- ★ Reengineering Our Logistics Processes
- ★ Defining Requirements
- ★ Acquisition Approach
- ★ Establishing Critical Criteria
- ★ Identifying and Mitigating Risks
- ★ Meeting Aggressive Milestones

NOTIONAL ACQUISITION STRATEGY

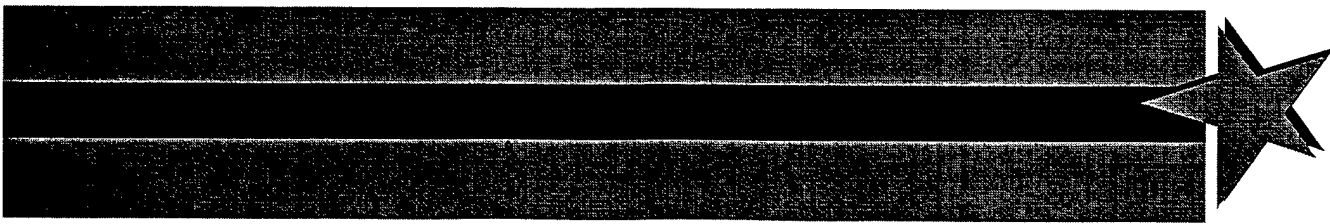
SCREENING

**ALTERNATIVE
BUSINESS DECISION**

**PROPOSAL
(Draft & Final)**

EVALUATION & SELECTION

?



NOTIONAL ACQUISITION STRATEGY

SCREENING

PAST PERFORMANCE

- PRIVATIZATION SUCCESS
- COMMERCIAL/ARMY LOGISTICS EXPERIENCE

INVESTMENT CAPABILITY

ALTERNATIVE BUSINESS DECISION

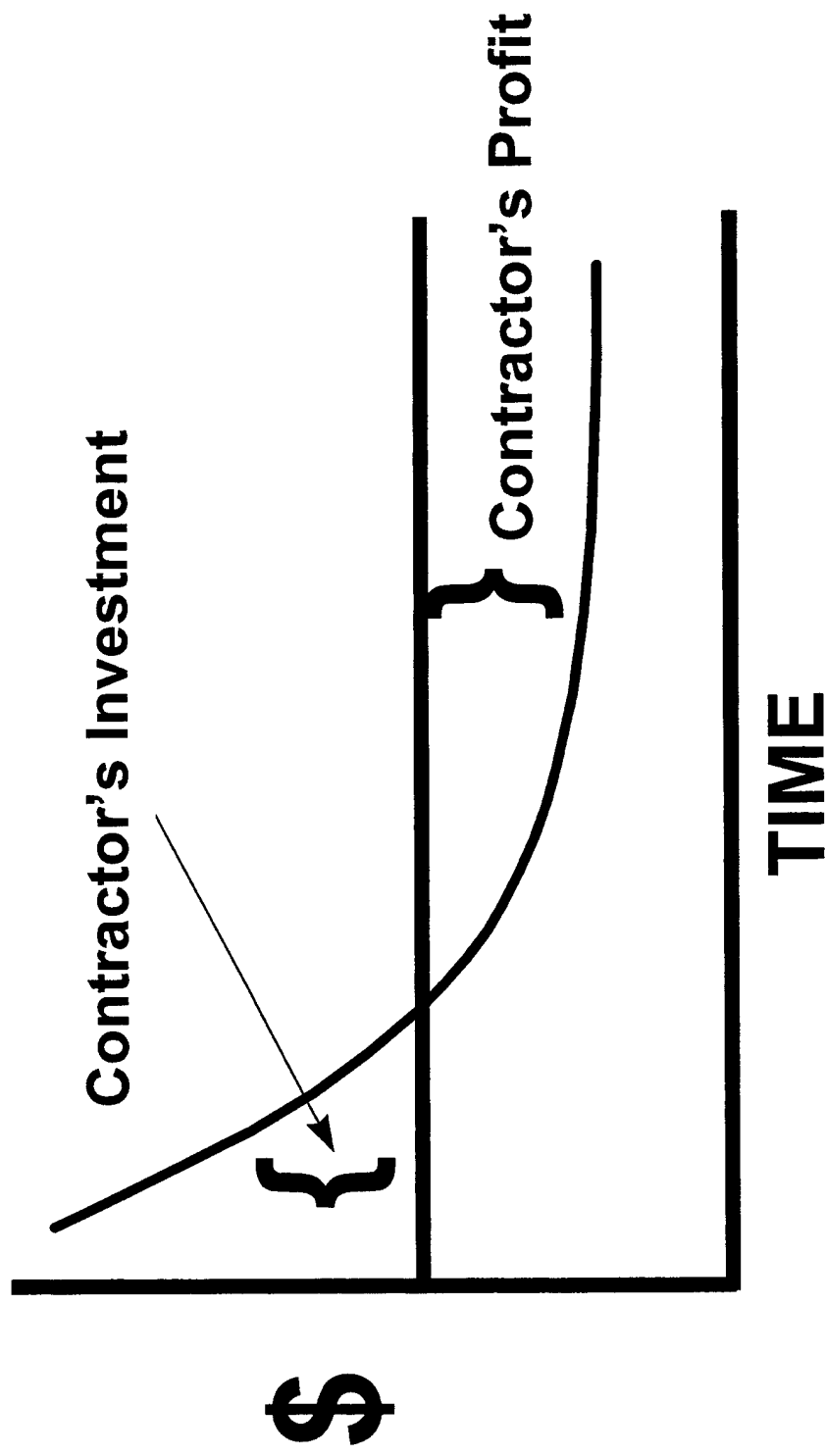
WHITE PAPER

ALTERNATIVES

- AMC WORKLOAD AT CONTRACTOR
- AMC WORKLOAD REMAINS AT DISA

DELTA ROM

LOGISTICS SYSTEMS MODERNIZATION FUNDING CONCEPT



NOTIONAL ACQUISITION STRATEGY

PROPOSAL

PERFORMANCE OUTPUT BASED
APPROACH

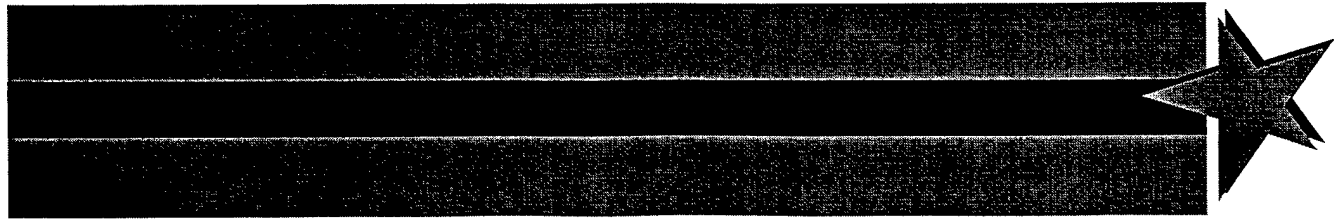
- MODERNIZATION

- LEGACY

INVESTMENT AND/OR SHARING
SOFT LANDING

EVALUATION AND SELECTION

?



SUMMARY

**Help us move quickly to a new,
commercially based, information driven,
wholesale logistics process**



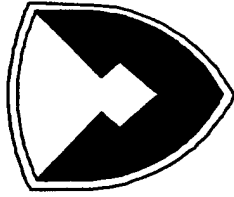
NOTES

**A FUNCTIONAL TOUR
OF ARMY MATERIEL
COMMAND (AMC)
WHOLESALE LOGISTICS
SYSTEMS**

**AMC's Wholesale Logistics
System**

MR. MICHAEL IVEY

**DIRECTOR, U. S. ARMY AMCOM
LEAD AMC INTEGRATION SUPPORT
OFFICE**

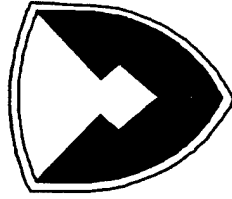


A Functional Tour of Army Materiel Command (AMC) Wholesale Logistics Systems

**Briefer: Mr. Mike Ivey
Lead AMC Integration
Support Office**

**For: Logistics Modernization
Awareness Day**

UNCLASSIFIED



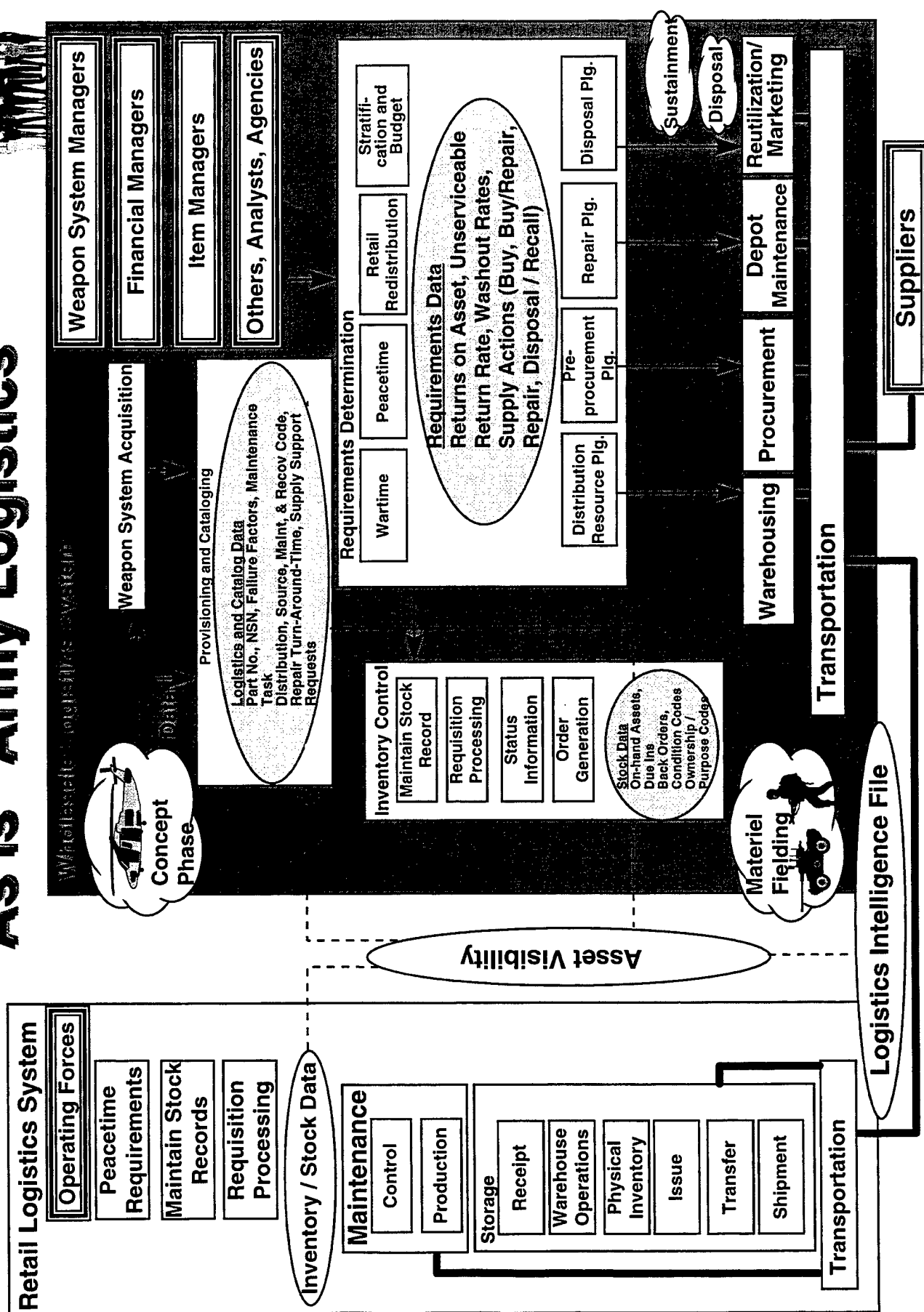
Purpose



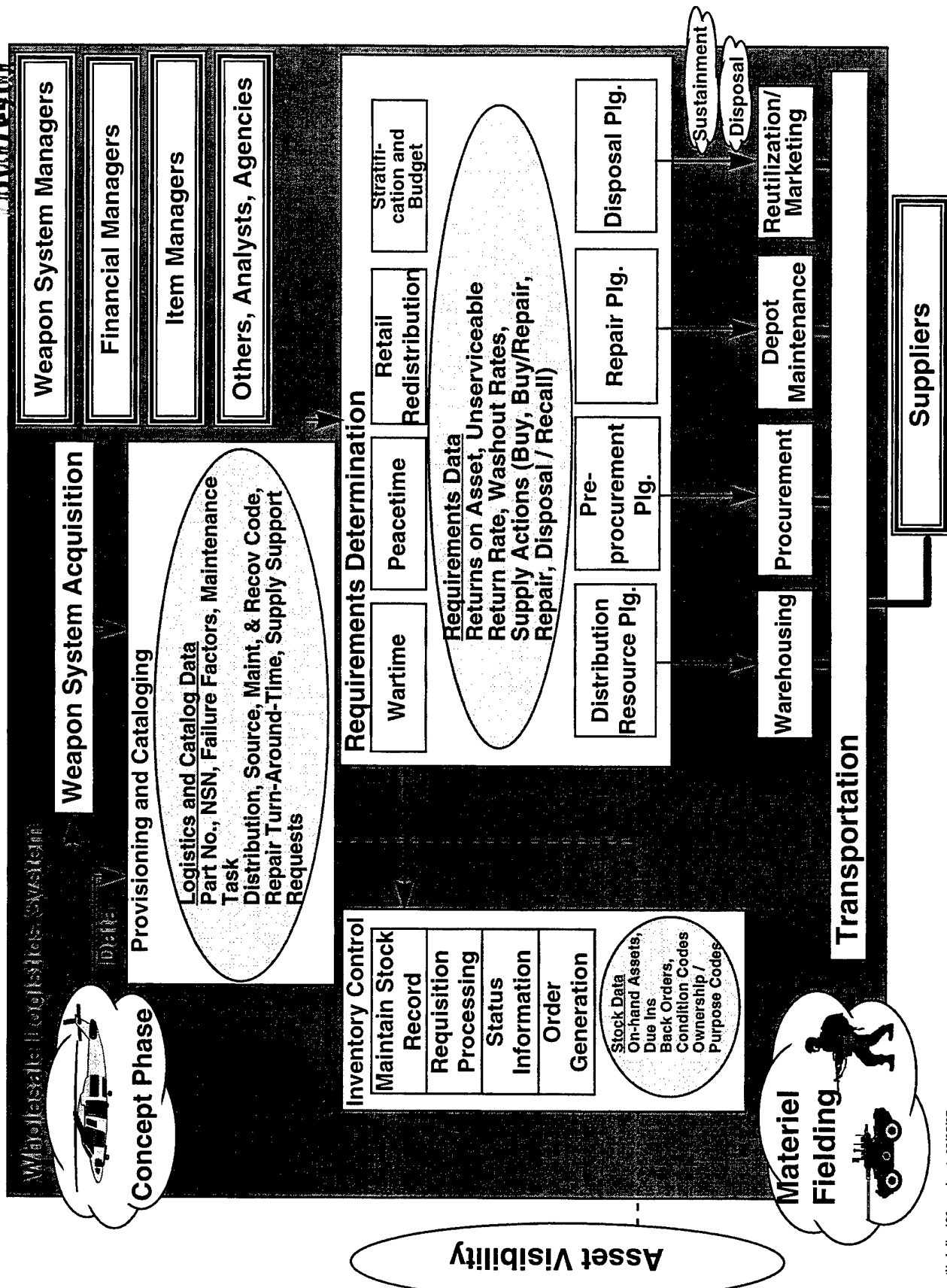
Provide:

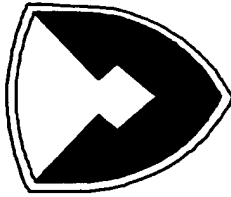
- High level overview of functional processes supported by AMC systems
- Awareness of internal and external interfaces
- Information on the size of business supported by AMC systems
- Overview of types of commodities supported
- Figures quoted represent FY96

"As Is" Army Logistics

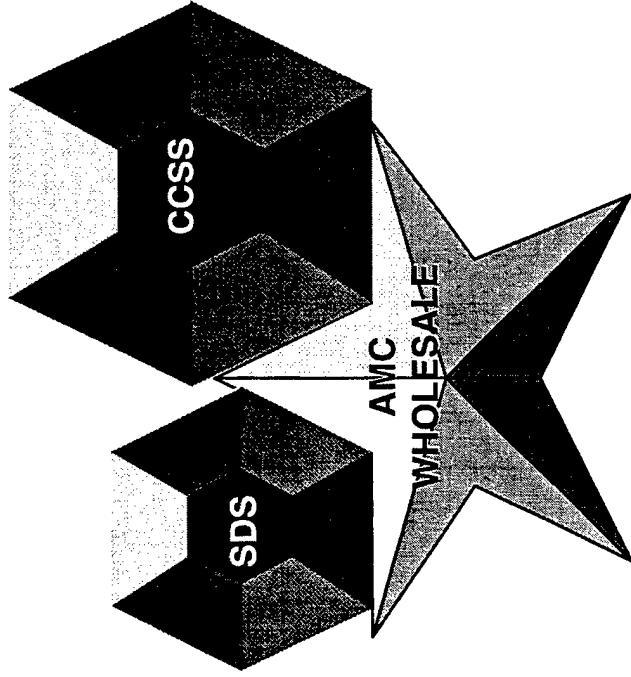


“As Is” Army Logistics - Weapon System Focus





Integrated Wholesale Business Area Commodity Command

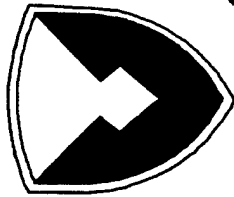


FY96

Business Supported

- Procurement Actions - 167K
- Procurement Value - \$16.5B
- Items Managed - 184K
- Requisitions Processed - 1.4M

CCSS FUNCTIONALITY
Requirements Determination
Asset Management
Technical Data
Finance
Procurement
Maintenance Planning
Security Assistance
Major Items
Ammunition



CCSS Support to Logistics Managers in the Business Processes



Maintenance Manager

- Parts Usage Data
- Program Depot Maintenance
- Tech Data Package Support
- Configuration Management Support
- Failure Analysis
- Tech Manual Preparation



Provisioner

- Initial Stockage Determination
- Total Package Fielding Control



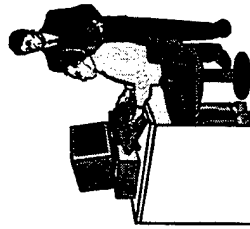
Financial Manager

- Budgetary Accounting
- Fund Certification
- Billing
- Disbursements
- Inventory Accounting



Security Affairs Case Officer

- Case Status
- Security Affairs Accounting
- Price & Availability Analysis
- Foreign Military Sales Case Management



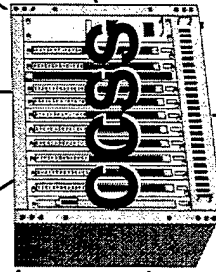
Tech Data/Cataloger Manager

- Item Identification
- Army Master Data File
- Catalog Management
- Supply Support Requests
- Tech Data Management



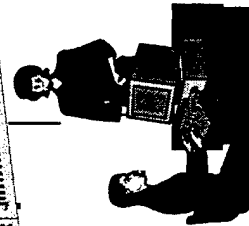
Contracting Officer

- Bidders List
- Solicitations
- Contracts
- Contract Abstracts
- Award Reports
- Industrial Preparedness
- Acquisition



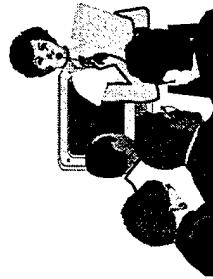
Quality Manager

- Deficiency Reporting
- Warranty Claims
- Contract History



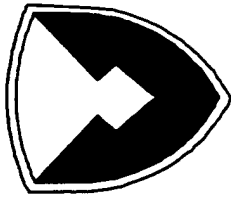
System Manager

- Track Materiel Acquisition
- Queries
- Reserves
- Weapon System Management
- Weapon System Fielding Support

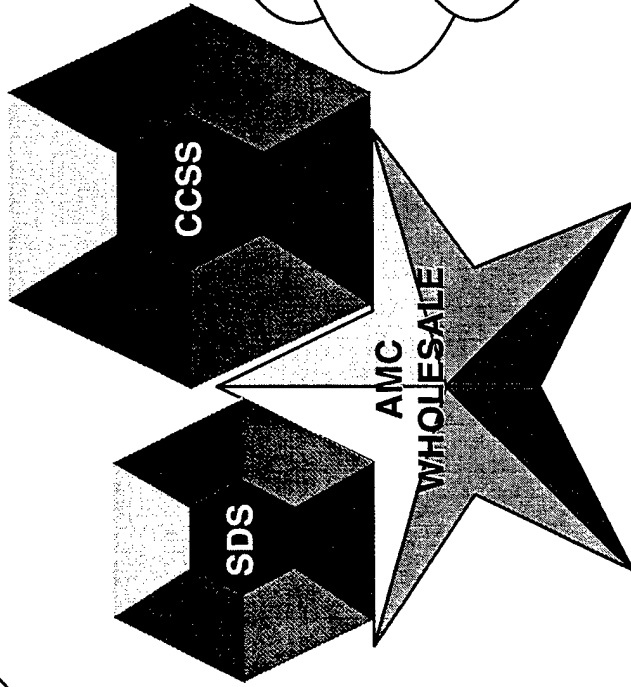


Item Manager

- Assets
- Procurement Deliveries
- Requisitions
- Shipments
- Requirements Comp
- Budgeting
- War Reserves



Integrated Wholesale Business Area Depot Maintenance



BUSINESS SUPPORTED

(Operational at Depots, Arsenal, ICPs, etc.)

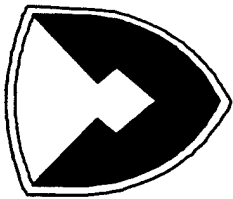
Secondary Items Produced (D/M Org.) - \$600M

Major Items Produced (D/M Org.) - \$462M

Ammo Receipts & Issues - \$420K

Arsenal Mfg. Revenue - \$238M

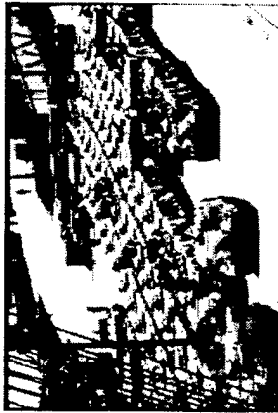
SDS FUNCTIONALITY
Resource Management
Depot Maintenance
Wholesale Supply
Installation Support
Ammunition
Strategic Stock / War Reserves
Property Accountability



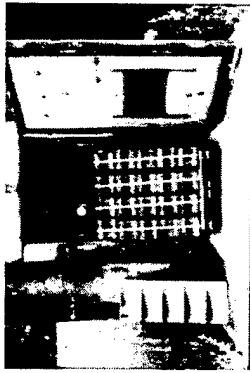
SDS Supporting Business Areas



Strategic Stocks / War Reserves



Wholesale Ammunition Management



Property Accountability
Installation Management



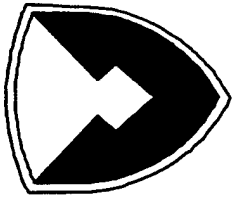
Depot Maintenance



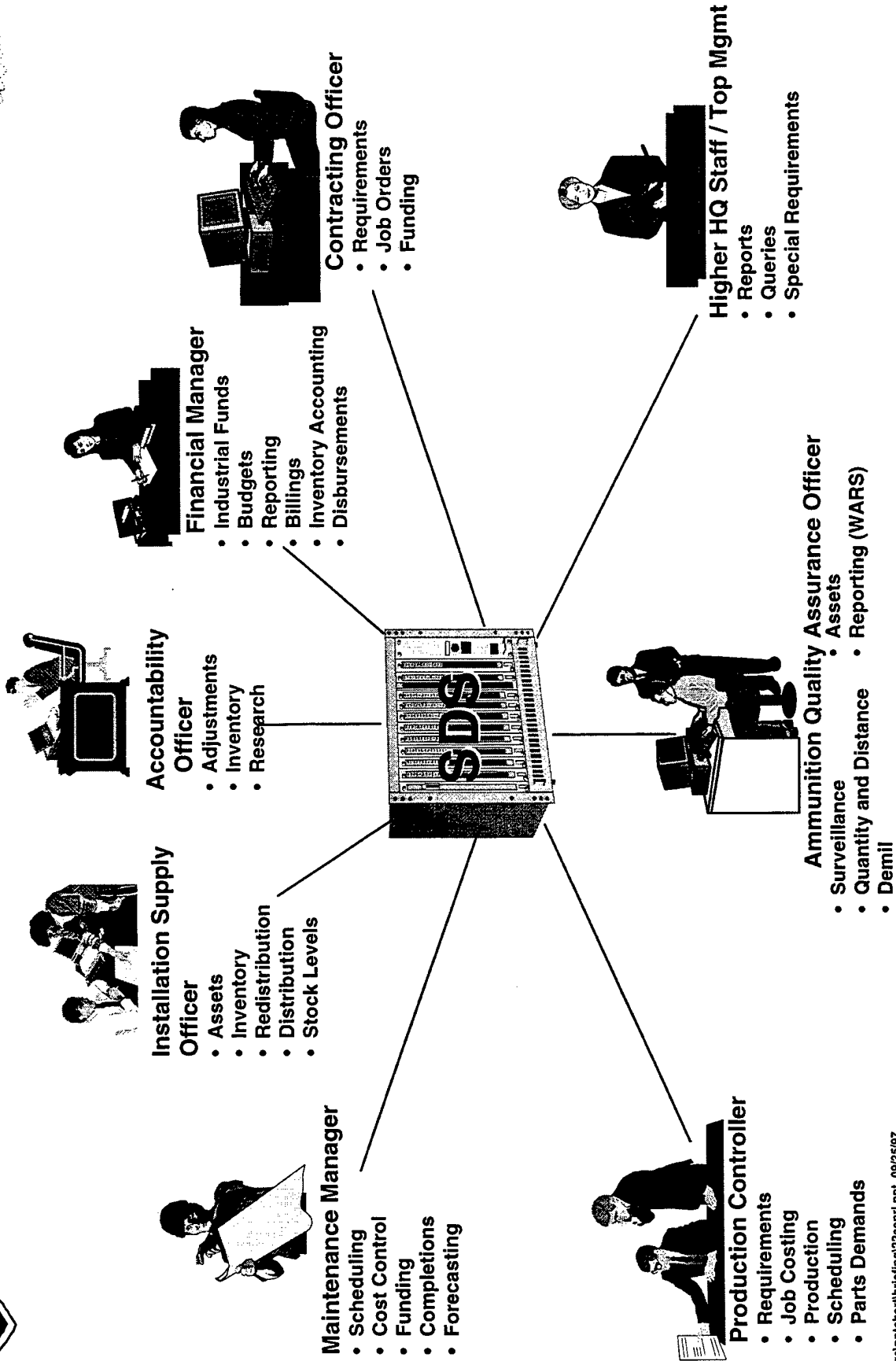
Financial & MPWR
Management

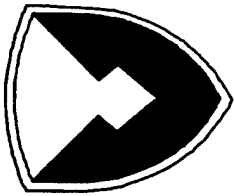


SDS
Integrated
Solution
Supporting
Varied Customer
Base

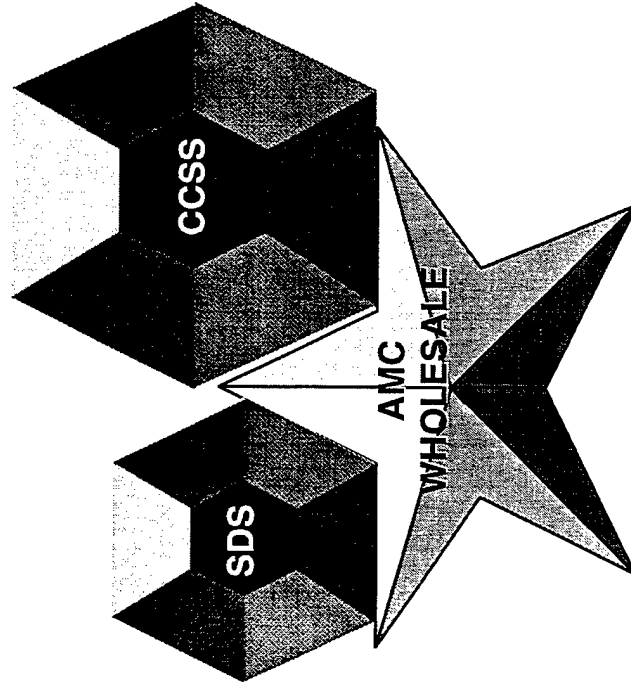


SDS Support to Logistics Managers in the Business Processes





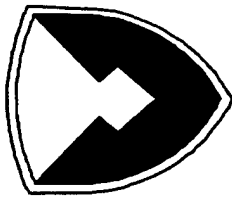
Integrated Wholesale Logistics Scope



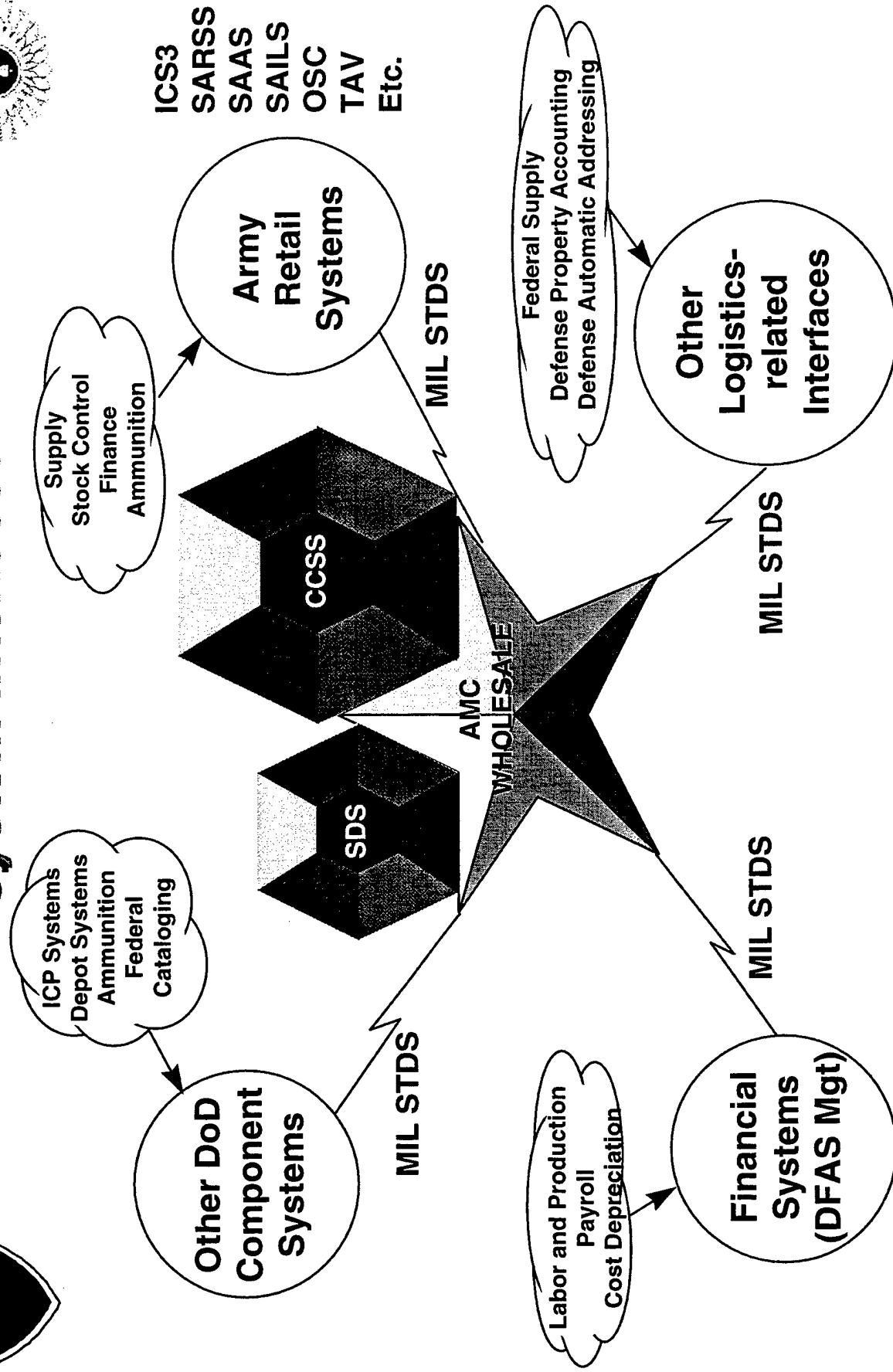
- Total Business - \$17.8B
- Managed Inventory - \$14.0B

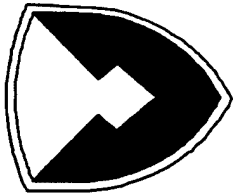
WHAT ARE
THE
INTERFACES?

Commodity Command Standard System (CCSS)
Standard Depot System (SDS)

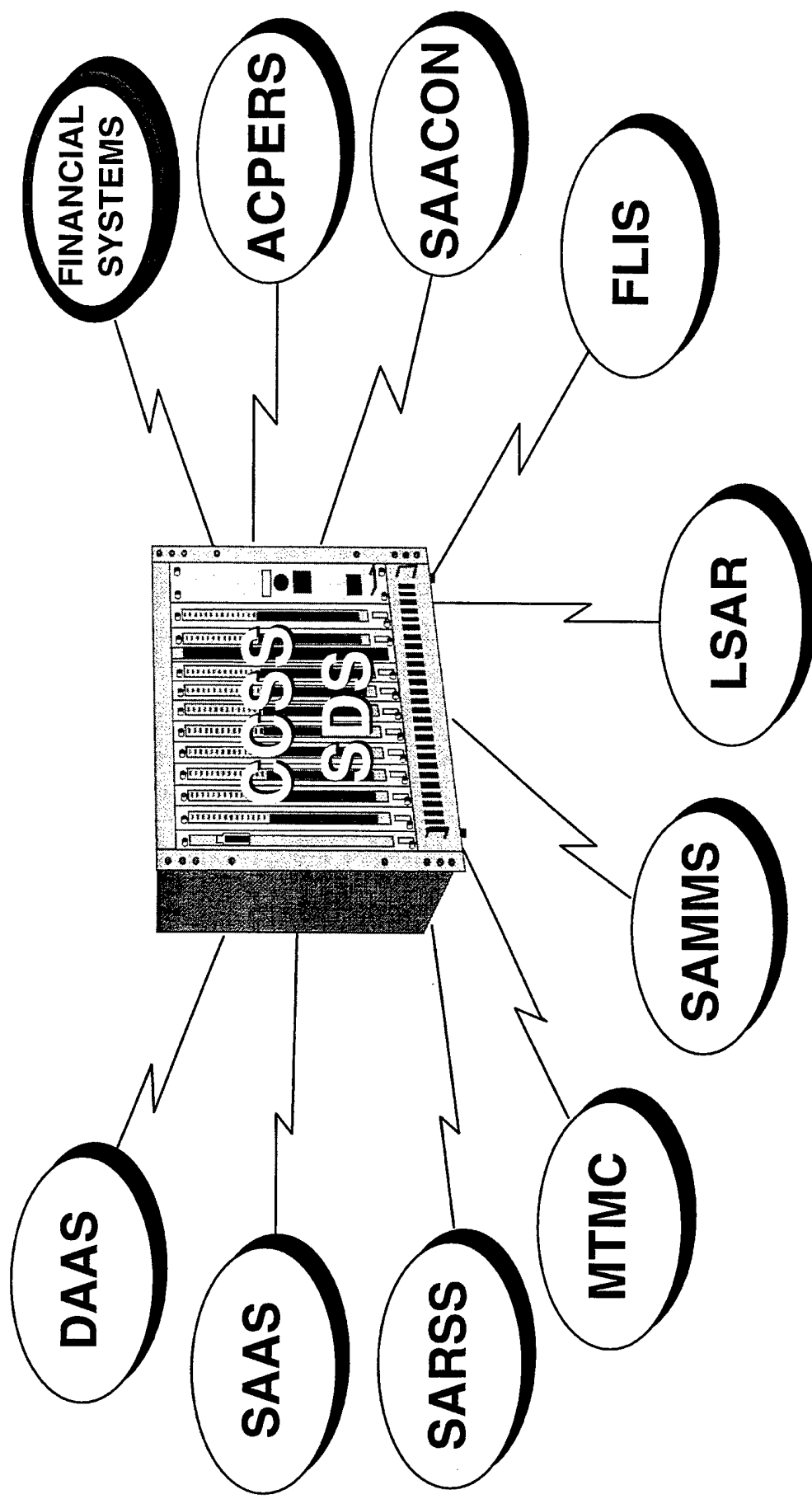


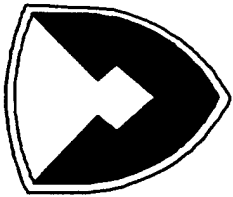
Wholesale Logistics System Interfaces



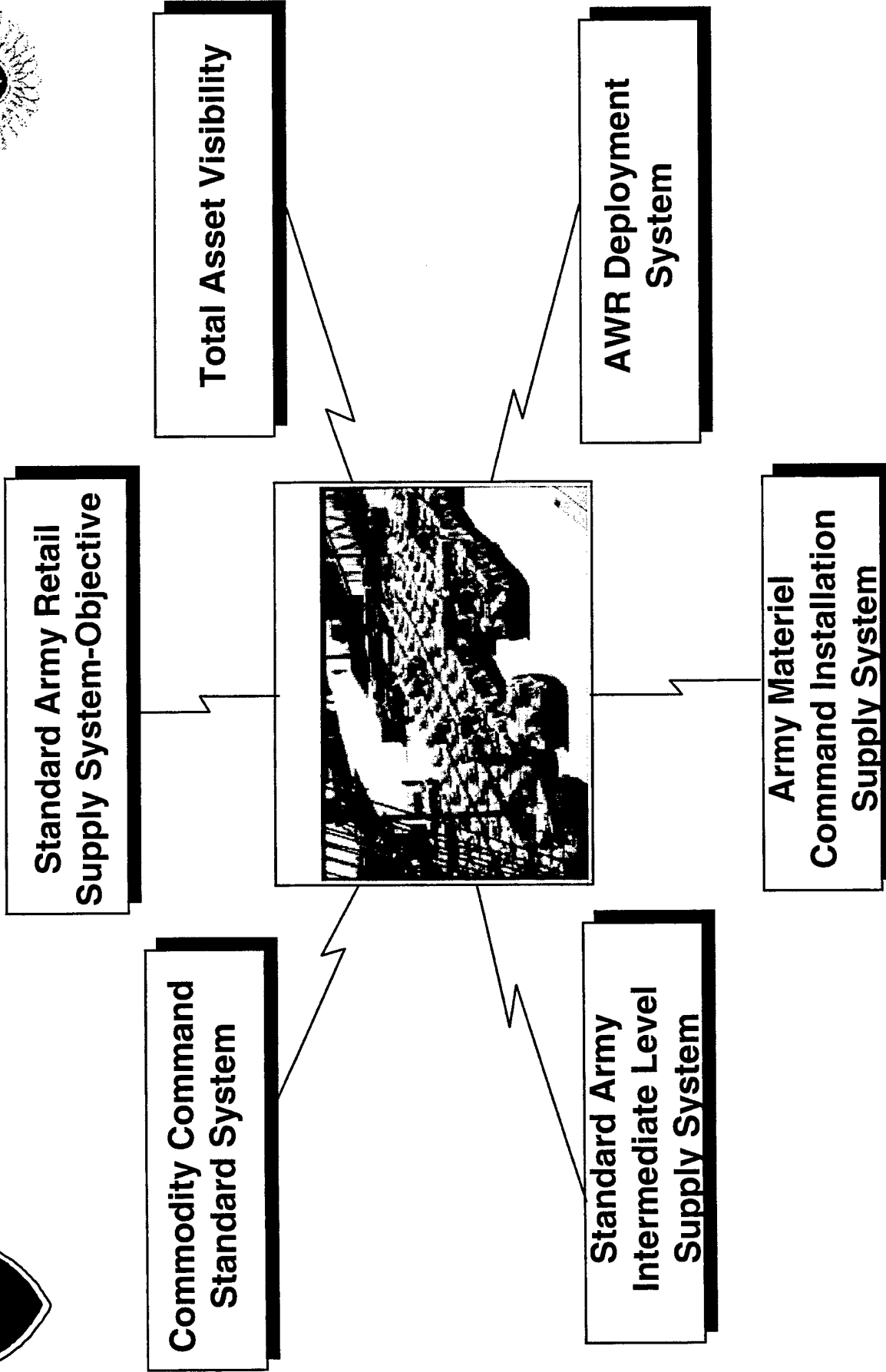


AMC Logistics System Interfaces





Strategic Stock/War Reserves Interfaces





Data Mgt & Improvements

A group of systems that support weapon system tracking and logistics data sharing with fielded units.

Requirements

Supports asset distribution and requirements computation functionality

Performance Analysis

A group of business processes which support performance analysis.

Asset Visibility

A group of specialized applications which provide total asset visibility and tracking (TAV).

AMC WHOLESALE

CCSS

SDS

LOGSA

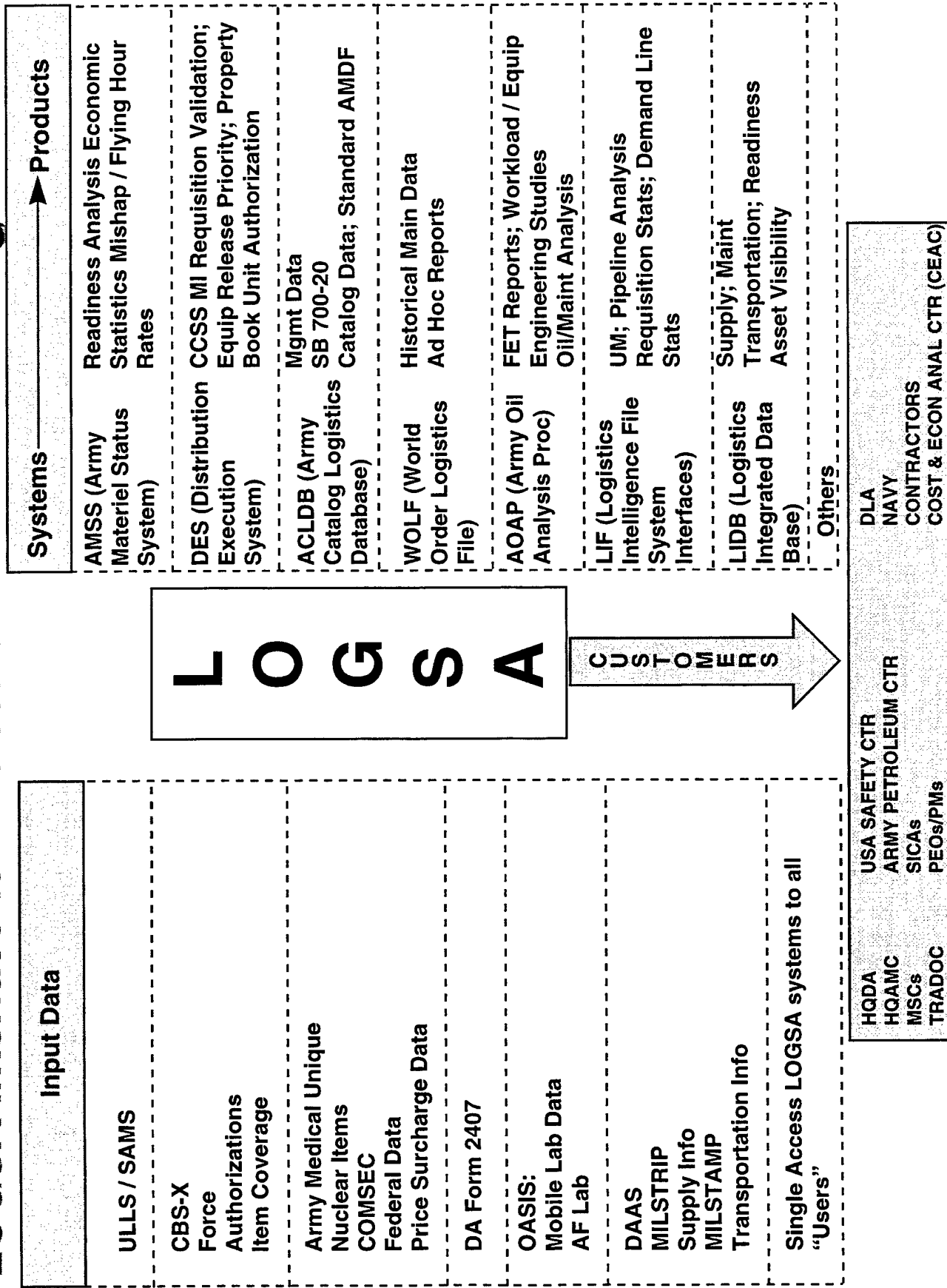
Logistics Support

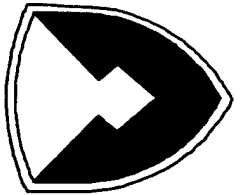
FIELD LEVEL CUSTOMER

CCSS / SDS

Analysis Data Collecting Reporting

LOGSA Interface to Wholesale Information Management





Other On-Going Army Initiatives



Single Stock Fund	Lateral Redistribution	Single Item Inventory Record	Integrated Sustainment Maintenance (ISM)	Integrated Combat Service Support System (ICS3)
-------------------	------------------------	------------------------------	--	---

Logistics Business Systems

Policy Changes

Policy changes mandate system changes

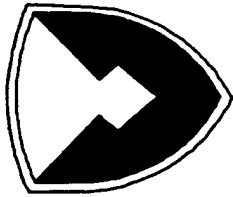
Systems Maintenance

Near Term

Mid Term

Long Term

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On-Going CCSS Modernization



NEAR TERM (QUICK PAYBACK, SHORT TURNAROUND)

- Streamline CCSS Processes
 - Database Incompatibilities
 - On-Line Output Products
 - Common User Interface
 - Automated Transaction Generation
 - Single Sign On
- Business Improvements
 - On-Line Supply Control Studies and Budget Stratification
 - Real-Time Requisitioning
 - Others

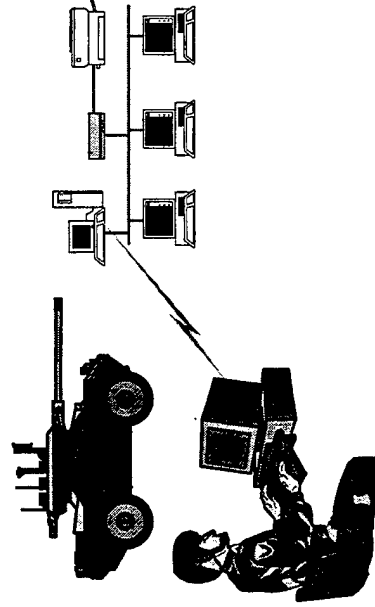


MID TERM (3-5 YEARS)

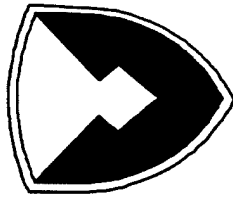
- Improved Systems Environment
- Internet / Intranet
- Improved Database Management
- Interoperability (ICS3 - Phase II)
- Data Standardization
- User Tools and Documentation
- Locally Configured Reports

LONG TERM (6-10 YEARS)

- Achieve seamless logistics (ICS3, Phase III)
- Future battlefield support
- Compliance with DOD objectives



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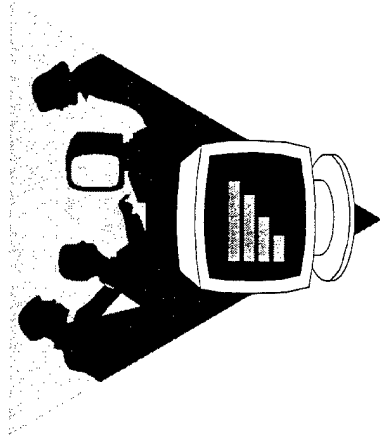


On-Going SDS Modernization



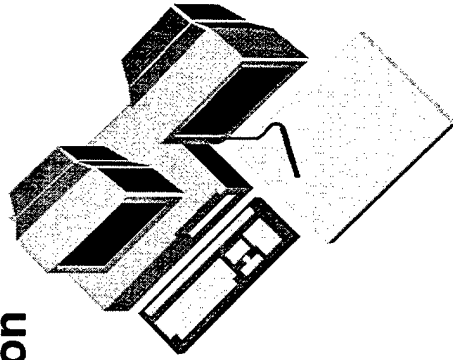
NEAR TERM

- Data Collection System (SDS MRP)
- Common User Interface - (Windows)
- Relation Data Base Capabilities (Oracle)
- Modeling (AMSS)



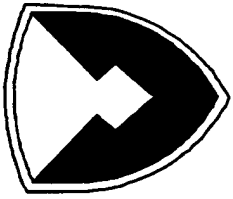
MID TERM

- Data Standardization
- Internet/Intranet
- Mid Tier Migration



LONG TERM

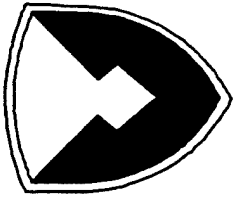
- ICS3 Integration
- Ammunition Standard System
- COE Compliance



Summary



- The Army's Wholesale Systems are highly integrated, and have established interfaces to support its business practices
- Interfaces are key to succession of data between business processes
- Some business processes, while similar in nomenclature, also support different needs
- Our ultimate customer is the Army soldier



SDS Business Functions Supported



AMCISS

- Retail Stock Record Accountability
- Requisitions, Receiving, Turn-Ins
- Self Service Supply Centers
- Cataloging
- Locations
- Inventory
- Adjustments
- Shipping
- Cycle Inspection

Depot Maintenance

- HQ Industrial Operations Command Interfaces
- Production, Planning and Control
- Maintenance Resource Planning
- GOCO/GOGO Applications
- Maintenance Activity Information Logistics Systems
- Aviation Roundup Mainframe Management Information Systems
- Adjustments
- Shipping
- Cycle Inspection

Ammunition

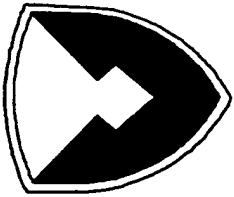
- Receiving
- Shipping / Transportation
- Inventory Adjustments
- Cataloging
- Locations
- Surveillance
- Asset Reporting

Point of Sales Store

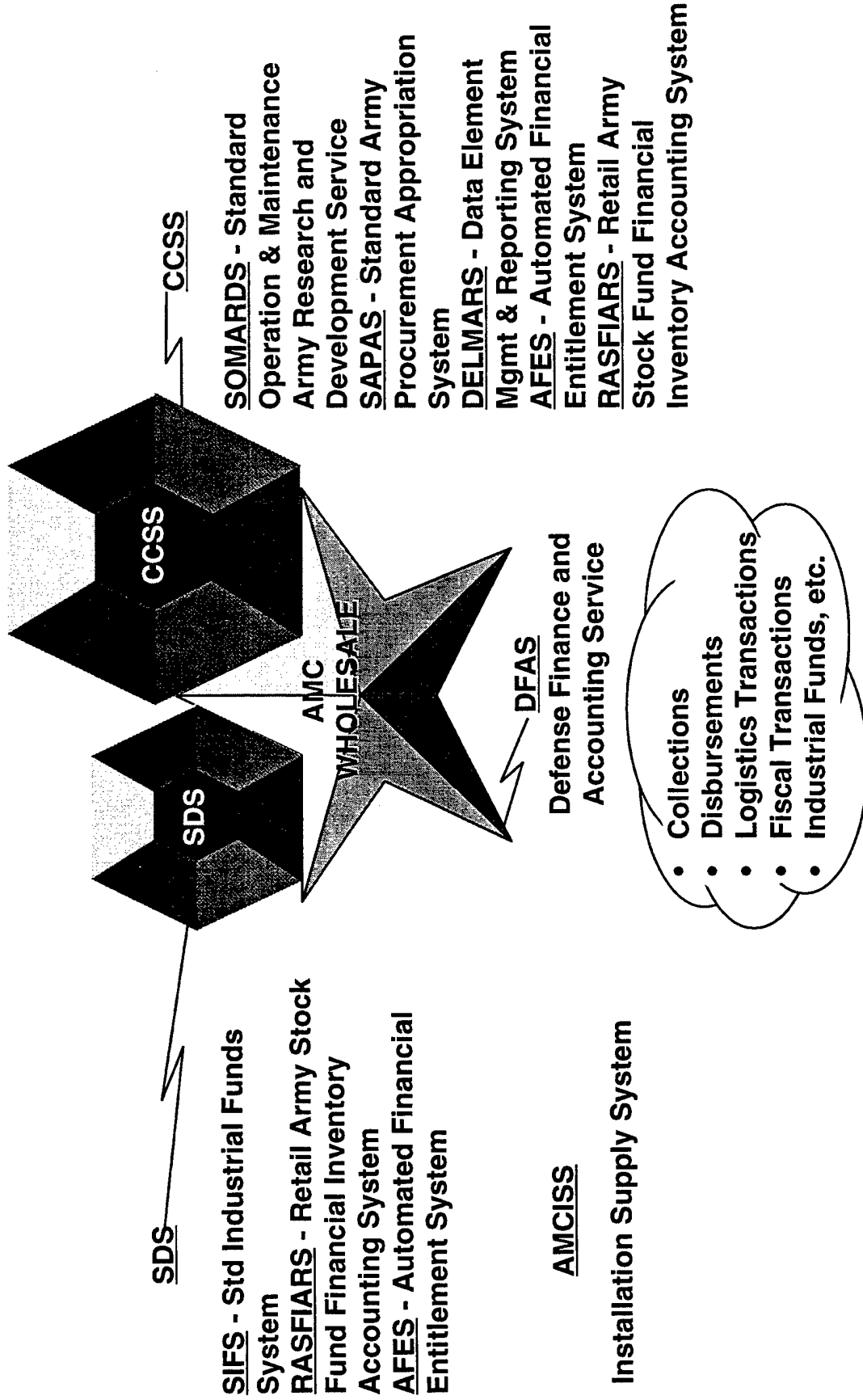
- Receipts
- Stockage Computation
- Credit Checks
- Sales
- Replenishment
- Summary Reports

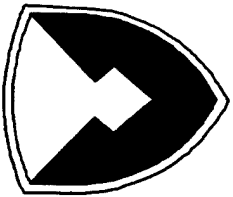
*DPACS

- Authorizations
 - Equipment Maintenance
 - Equipment Utilization
 - Asset Reporting
 - Depreciation
- *DFAS Managed**



Wholesale Business Area Financial Interfaces DFAS Managed Systems





Acronym List



CCSS - COMMODITY COMMAND STANDARD SYSTEM
SUITE OF AMC STANDARD AUTOMATED TOOLS USED TO SUPPORT NICPs IN MANAGEMENT OF THE ARMY
WHOLESALE LOGISTICS WEAPON SYSTEM LIFE CYCLE

SDS - STANDARD DEPOT SYSTEM
SUITE OF AMC STANDARD AUTOMATED TOOLS USED TO SUPPORT DEPOT OPERATIONS MANAGEMENT
FOR ARMY RETAIL LOGISTICS

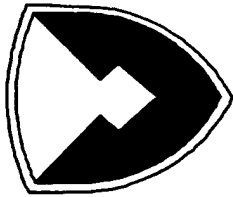
WARS - WORLDWIDE AMMUNITION REPORTING SYSTEM
PROVIDES WORLDWIDE CLASS "V" REQUIREMENTS AND ASSET VISIBILITY FOR THE ARMY

ICS3 - INTEGRATED COMBAT SERVICE SUPPORT SYSTEM
INITIATIVE FOR SOLE ARCHITECTURE WITH CAPABILITY FOR A SINGLE, SEAMLESS (WHOLESALE/RETAIL)
AUTOMATED INFORMATION/EXECUTION SYSTEM

SARSS - STANDARD ARMY RETAIL SYSTEM
REAL-TIME SUPPLY SYSTEM PROVIDING AUTOMATION TO DIRECT SUPPORT UNITS FOR TRANSACTION
SOURCE DATA ENTRY, I.E., RECEIVING, STORING, ETC.

SAAS - STANDARD ARMY AMMUNITION SYSTEM
MANAGEMENT OF CLASS "V" CONVENTIONAL AMMUNITION TO INCLUDE GUIDED MISSILES AND LARGE
ROCKETS

SAILS - STANDARD ARMY INTERMEDIATE LEVEL SUPPLY SYSTEM
ACCOMPLISH ALL STOCK CONTROL, SUPPLY MANAGEMENT, AND RELATED FINANCIAL MANAGEMENT
FUNCTIONS FOR CLASS II, III (PACKAGED), IV, VII, VIII AND IV



Acronym List (continued)



TAV - TOTAL ASSET VISIBILITY
SINGLE, AUTHORITATIVE SOURCE OF VARIOUS CATEGORIES OF ASSET DATA TO SUPPORT MANAGERS/DECISION MAKERS TO ARMY COMMUNITY

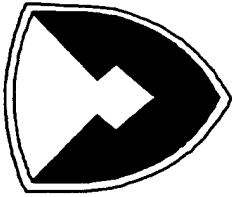
DAAS - DEFENSE AUTOMATIC ADDRESSING SYSTEM
WORLDWIDE COMPUTERIZED MESSAGE CENTER ROUTING SUPPLY DOCUMENTS BETWEEN REQUISITIONERS AN SUPPLY ACTIVITIES

DFAS - DEFENSE FINANCIAL ACCOUNTING SERVICE
CURRENT SUITE OF 163 MAJOR ACCOUNTING SYSTEMS PROVIDING DOD FINANCIAL MANAGEMENT FOR MYRIAD OF MILITARY-RELATED OPERATIONS TO INCLUDE MILITARY/CIVILIAN PAY, TRANSPORTATION PAYMENT, ETC.

SAMMS - STANDARD ARMY MAINTENANCE MANAGEMENT SYSTEM
DA LOGISTICS SYSTEM PROVIDING UNIFORMITY AND STANDARDIZATION WITHIN THE THREE LEVELS OF MAINTENANCE MANAGEMENT (NATIONAL/WHOLESALE/RETAIL)

MTMC - MILITARY TRAFFIC MANAGEMENT COMMAND
DOD SINGLE TRAFFIC MANAGER PROVIDING TRAFFIC MANAGEMENT, TRANSPORTATION ENGINEERING, AND COMMON-USER TERMINAL SERVICES TO ALL DOD CUSTOMERS.

FLIS- FEDERAL LOGISTICS INFORMATION SYSTEM
FEDERAL CATALOGING SYSTEM MAINTAINED BY THE DEFENSE LOGISTICS SYSTEMS CENTER (DLSC) UTILIZED BY ALL SERVICES, COMPONENTS AND FEDERAL AGENCIES



Acronym List

(concluded)



SAACON - STANDARD ARMY AUTOMATED CONTRACTING SYSTEM
SUPPORTS ALL CONTRACTING SERVICES FOR BOTH WHOLESALE AND RETAIL, SUCH AS BASE
OPERATIONS, ETC.

ACPERS - ARMY CIVILIAN PERSONNEL SYSTEM
CENTRAL DEPOSITORY FOR ALL ARMY CIVILIAN PERSONNEL RECORDS, TO INCLUDE CAREER
TRANSCRIBE

OSC - OBJECTIVE SUPPLY CAPABILITY
STANDARD AUTOMATED CAPABILITY DESIGNED TO INTEGRATE THE ASSET BALANCE FILES
MAINTAINED BY VARIOUS RETAIL LOGISTICS SYSTEMS

ULLS - UNIT LEVEL LOGISTICS SYSTEM
REAL-TIME SUPPLY AND MAINTENANCE MGMT SYSTEM PROVIDING CAPABILITY ENTIRE RANGE
OF SUPPLY FUNCTIONS ASSOCIATED WITH MAINTENANCE AT UNIT AND BATTALION LEVEL

OASIS - OIL ANALYSIS STANDARD INTERSERVICE SYSTEM
SUPPORTING AUTOMATED SYSTEM FOR THE ARMY OIL ANALYSIS PROGRAM IDENTIFYING
EQUIPMENT DATA ON A FLEET-WIDE BASIS, UNIT OF ASSIGNMENT, AND MAJOR/SECONDARY
ITEM DATA

CBS-X - CONTINUING BALANCE SYSTEM, EXPANDED
AUTOMATED SYSTEM FOR ACCOUNTING OF EXISTING ASSETS IN SUPPORT OF MAJOR ITEM
MANAGEMENT

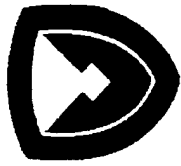
NOTES

CENTRAL DESIGN ACTIVITY ORGANIZATION AND TECHNICAL OVERVIEW

**Logistics Systems Support Center -
Commodity Command Standard System**

MR. DAVID SWANSON

**DIRECTOR FOR BUSINESS
INFORMATION SYSTEMS
U. S. ARMY CECOM LOGISTICS
SYSTEMS SUPPORT CENTER**

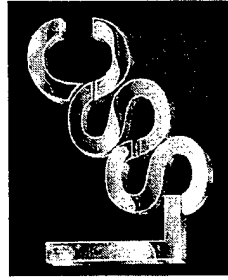


Central Design Activity

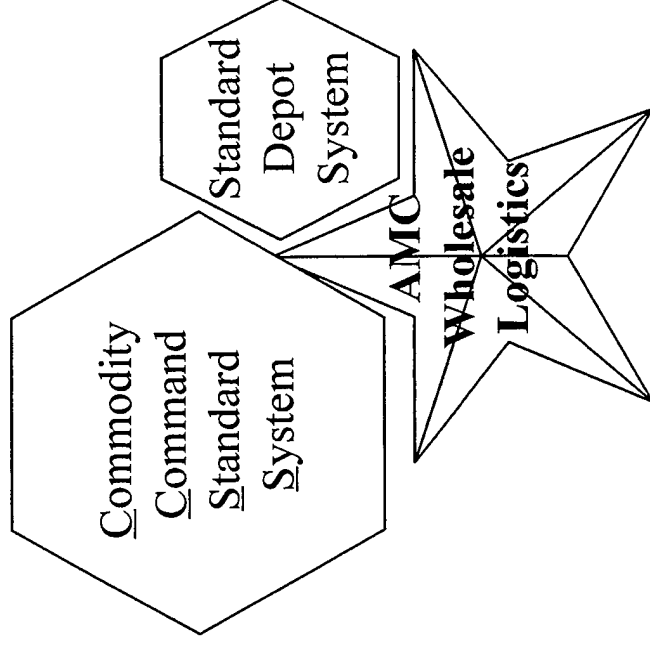
Organization & Technical Overview

Commodity Command Standard System (CCSS)

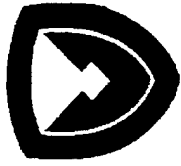
Briefer: Dave Swanson



**Logistics
Modernization
Awareness Day
20-21 October 1997**



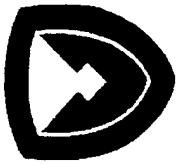
Software Engineering Center _____



Briefing Outline

The Commodity Command Standard System

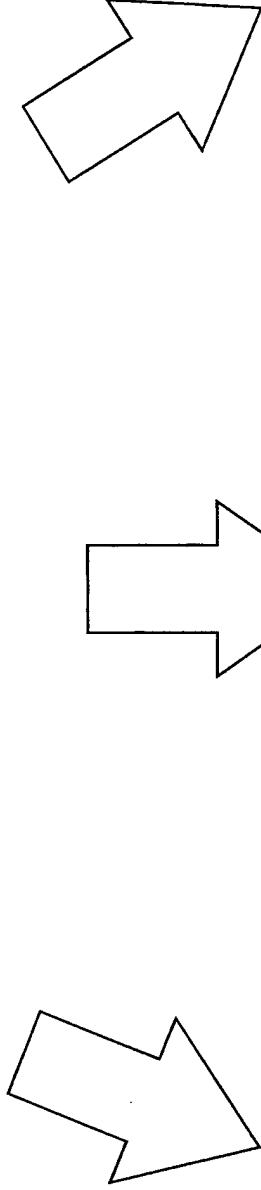
- CCSS Profile
 - Major Business Areas
 - The Integrated Logistics Automation Environment
 - Magnitude and Size
- CCSS Central Design Activity Organizational Profile
- CCSS Structure, Functionally & Technically
- CCSS Configuration Management
- CCSS Major Design and Modernization Initiatives



CCSS: A Definition



CCSS is a standard AMC Automated Logistics System that supports Wholesale Logistics Functions for ...



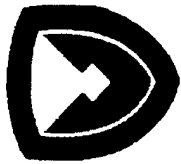
||| C E C O M

A Large
Business Base

A Diverse Range
of Commodities

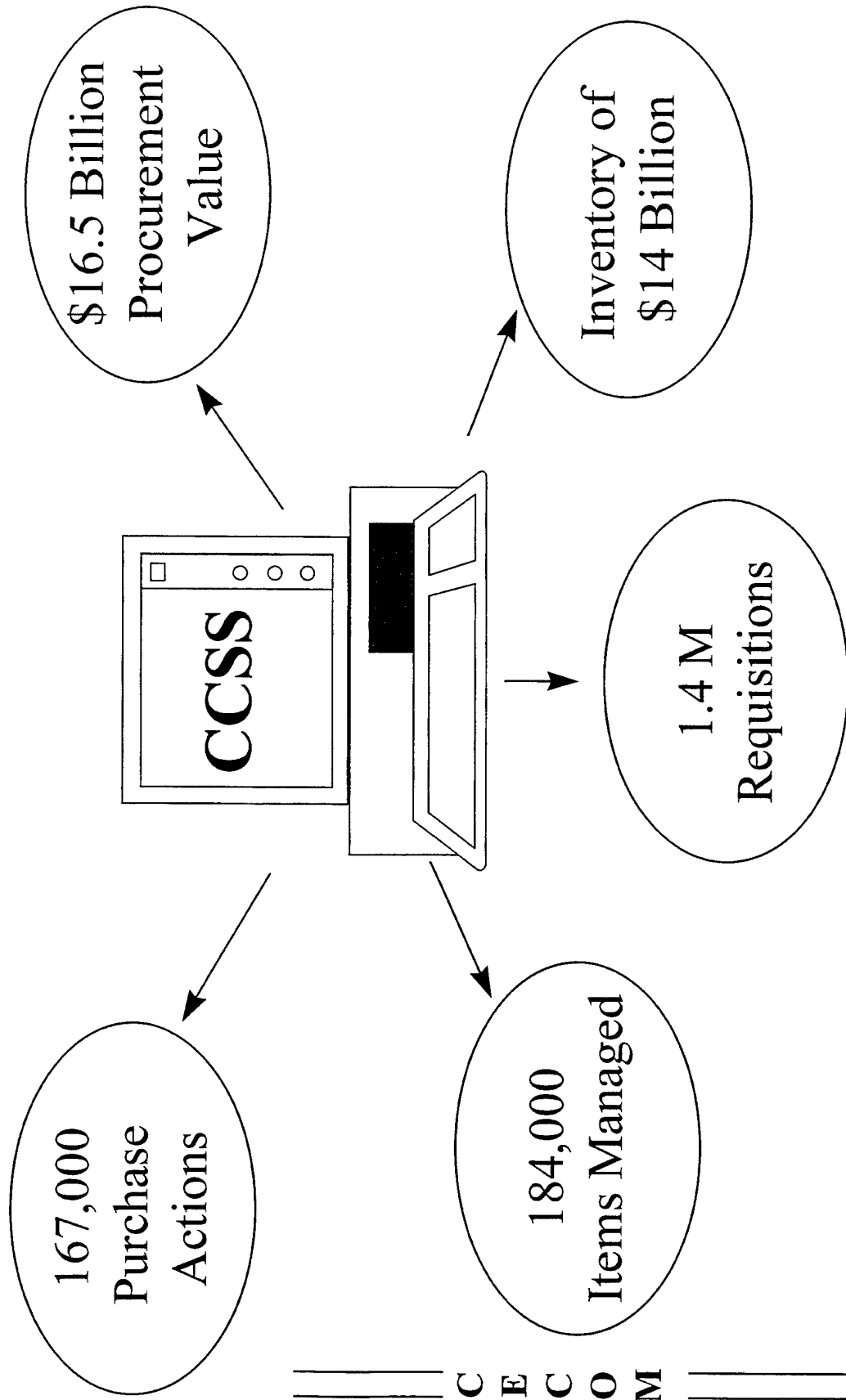
Six Major
Business Areas

Software Engineering Center



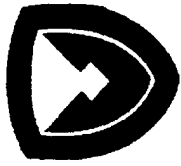
CCSS Annual Business Base

Supported...

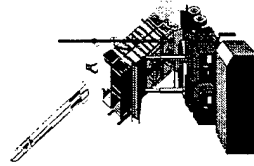


CEC OM

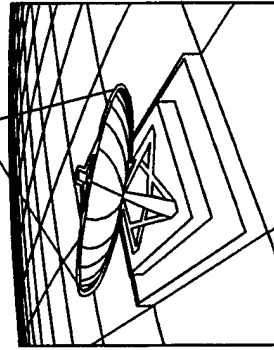
Software Engineering Center



CCSS Commodities Supported...

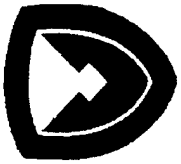


CECOM

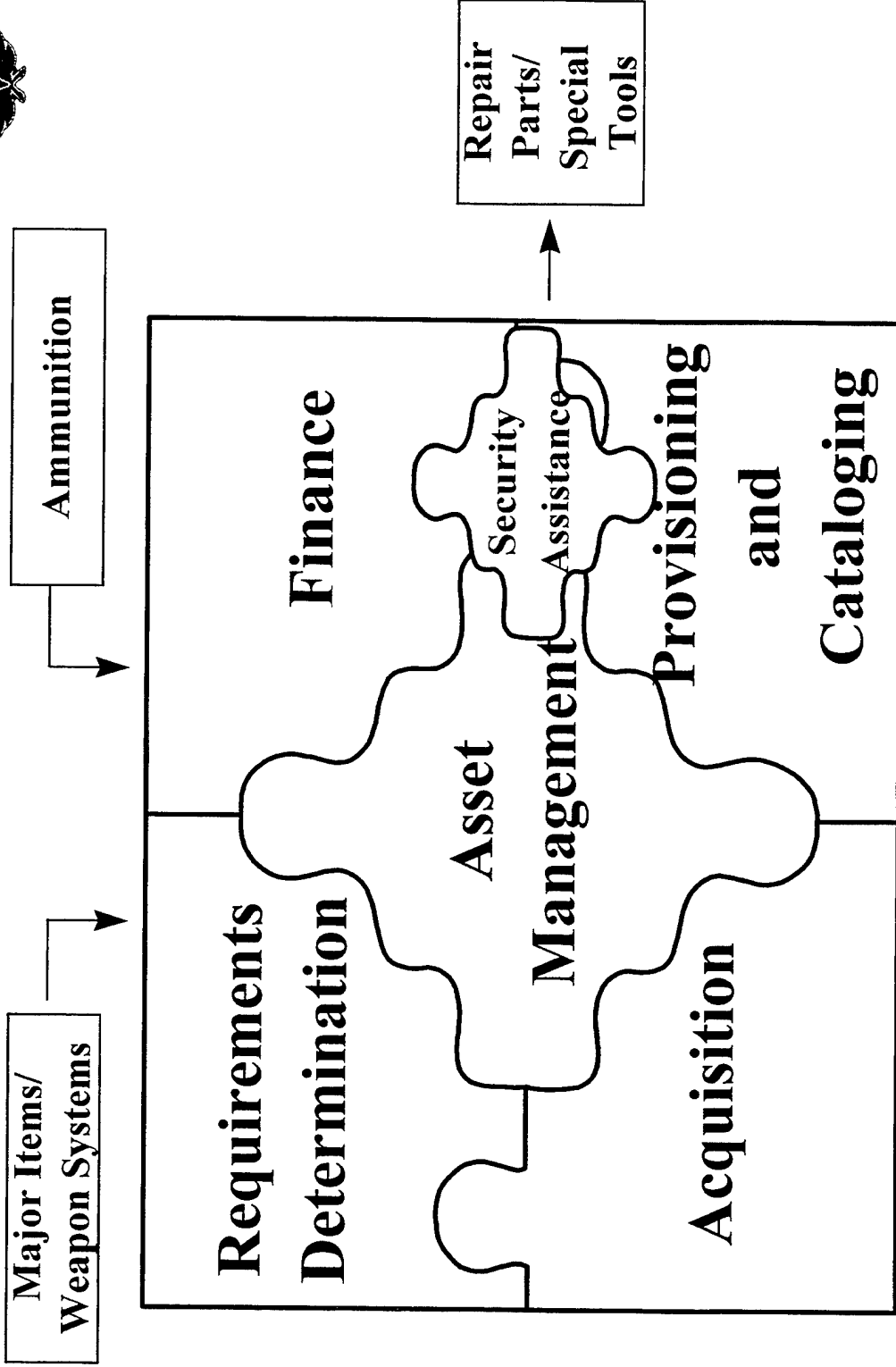


- Major End Items/Weapon Systems
- Repair Parts
- Special Tools
- Ammunition

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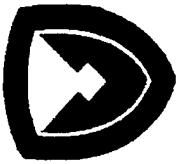


CCSS's Six Business Areas



CECOM

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CCSS

Magnitude and Size



CCSS Consists of:

Variety of
Software
Platforms

Some On-Line
Update

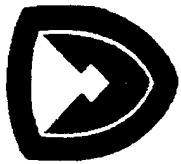
- 10.2M Lines of Code
- 561 Applications
- 5000 Program/Modules
- 269 Files/Databases

Processing
Largely
"Batch"

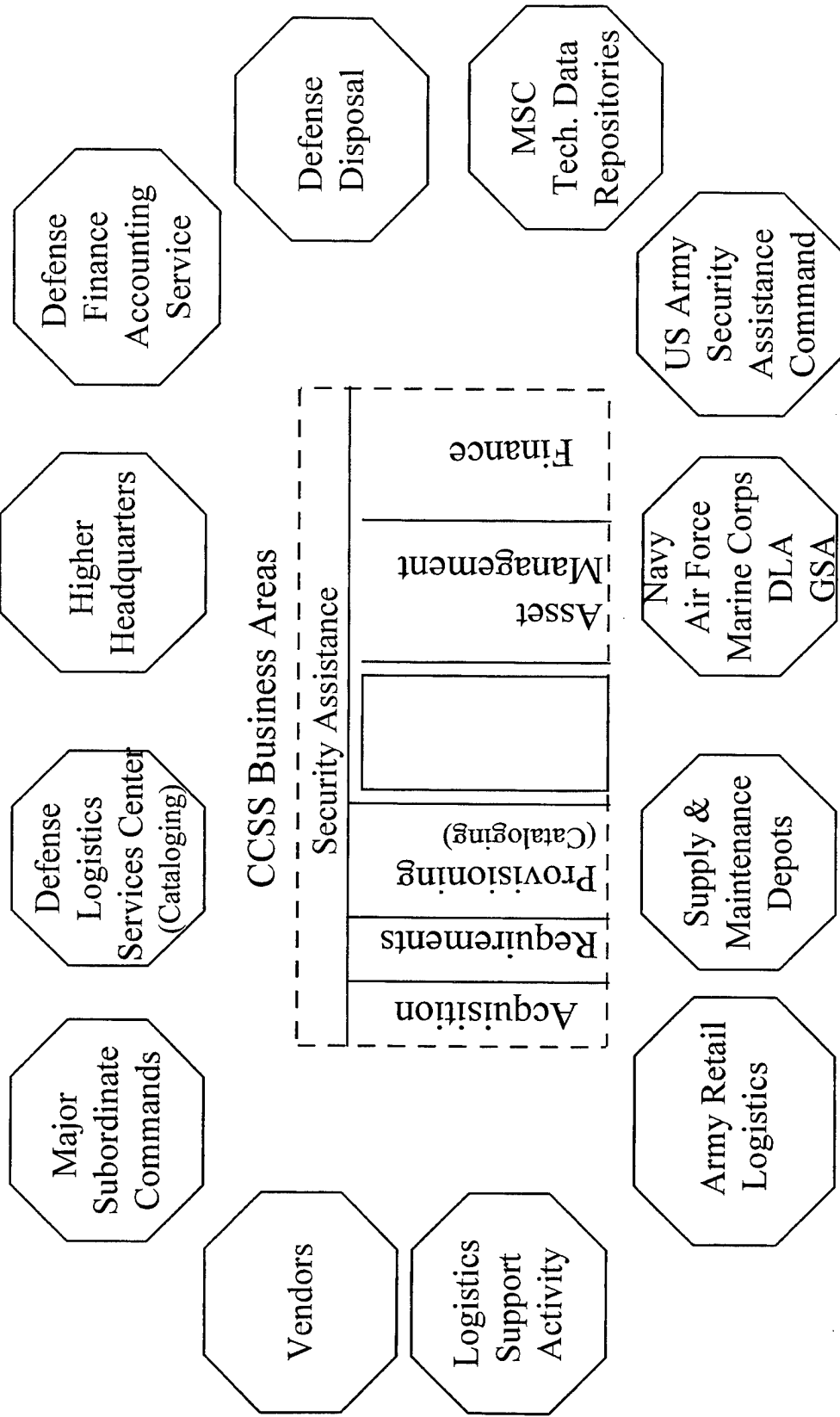
Data Retrieval Modes
- Queries
- Specific Programs
- Relational Database

A predominantly mainframe based logistics system

Software Engineering Center

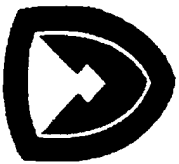


CCSS Customers

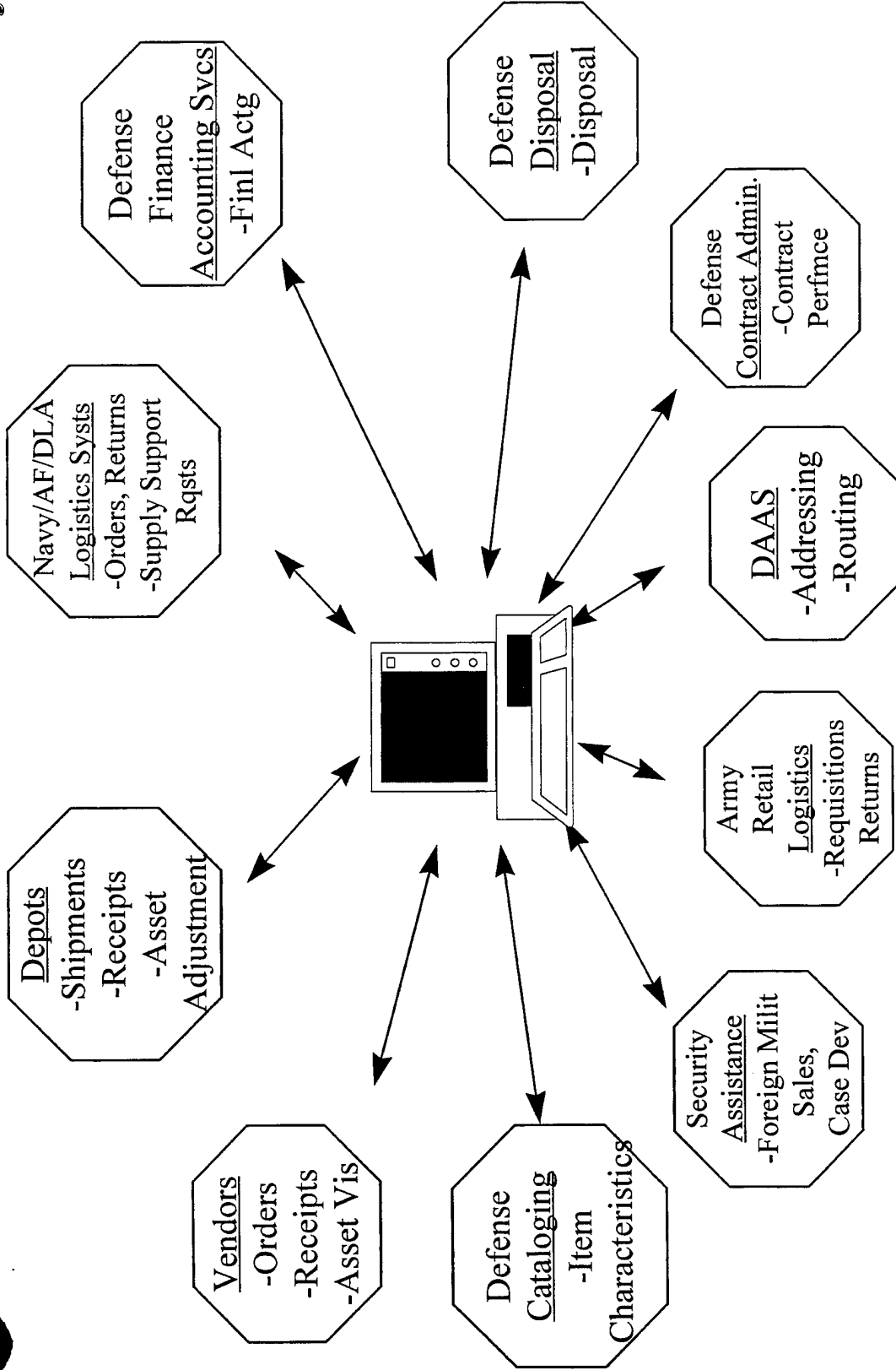


SEC COM

Software Engineering Center



External CCSS Interfaces

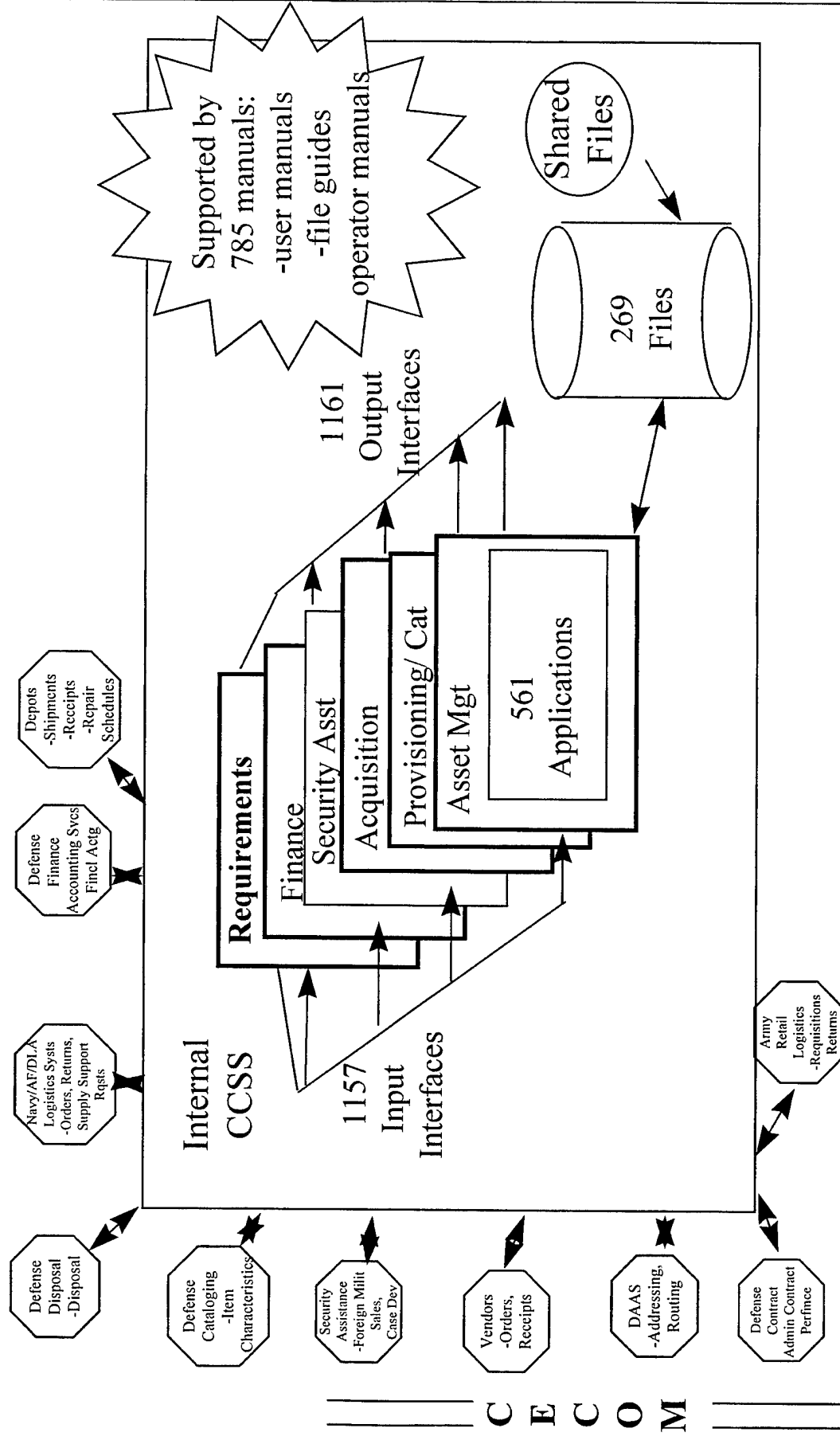


SEC

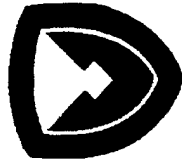
Software Engineering Center



CCSS Interfaces

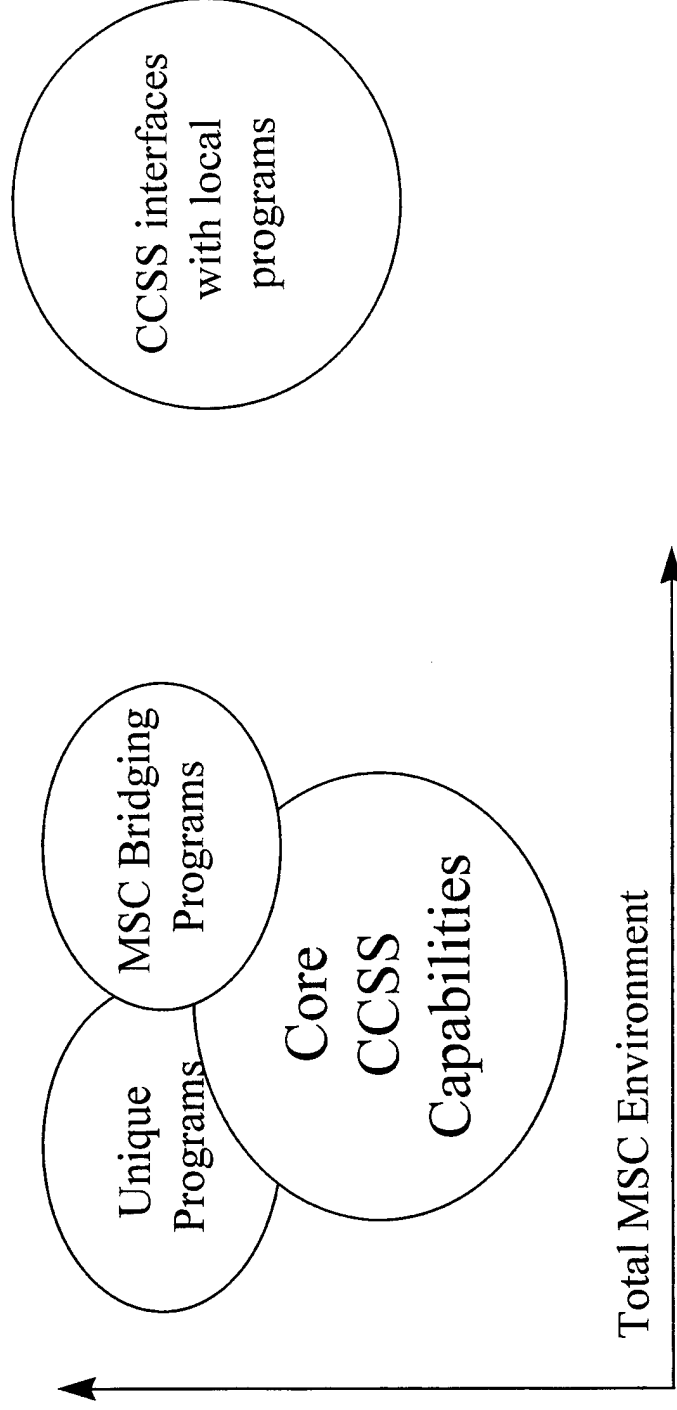


Software Engineering Center

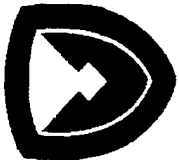


Major Subordinate Command (MSC)

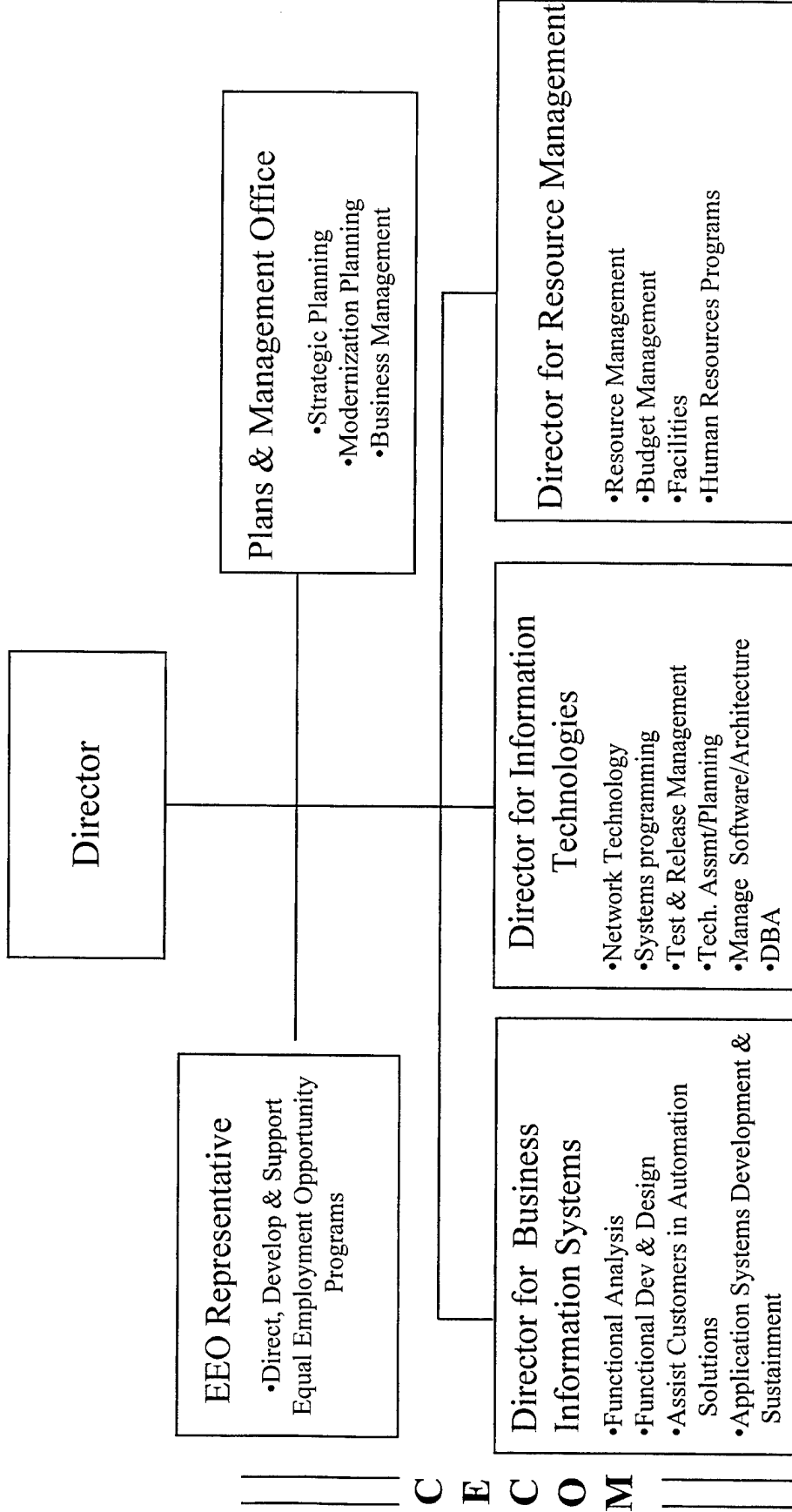
Wholesale Logistics Automation Environment



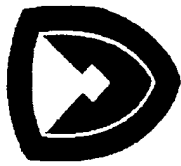
CECOM



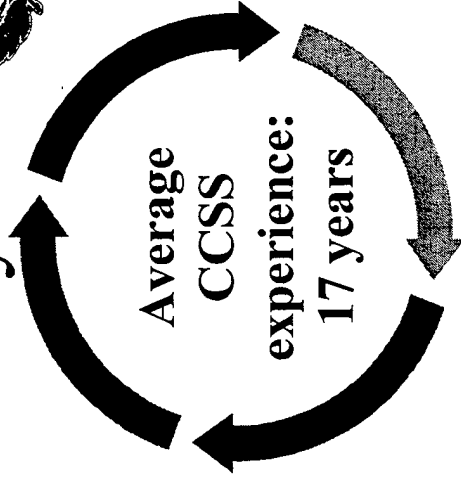
CCSS Central Design Activity Organizational Profile



Software Engineering Center



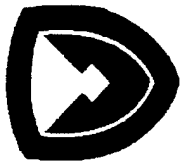
CCSS Central Design Activity Skills Base



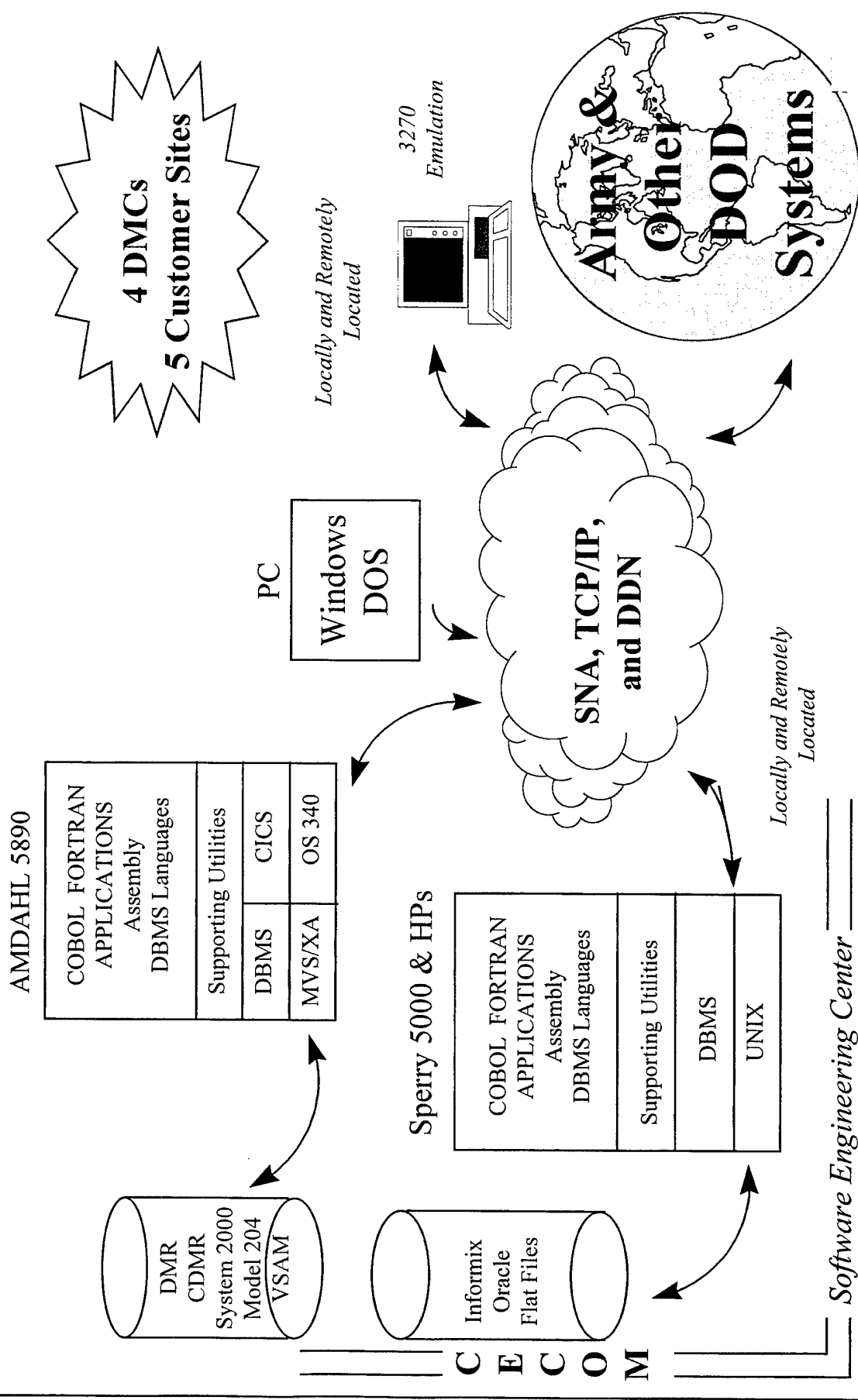
Skills:

	<u>Organic</u>	<u>Contract MY</u>
Functional Analysts	82	23
Application Programmers/Analyst	96	50
Systems Programmers	66	
Software/QA Specialists	35	
Program Management	23	6
Center Operations Support	<u>14</u>	<u>79</u>
	316	

Software Engineering Center

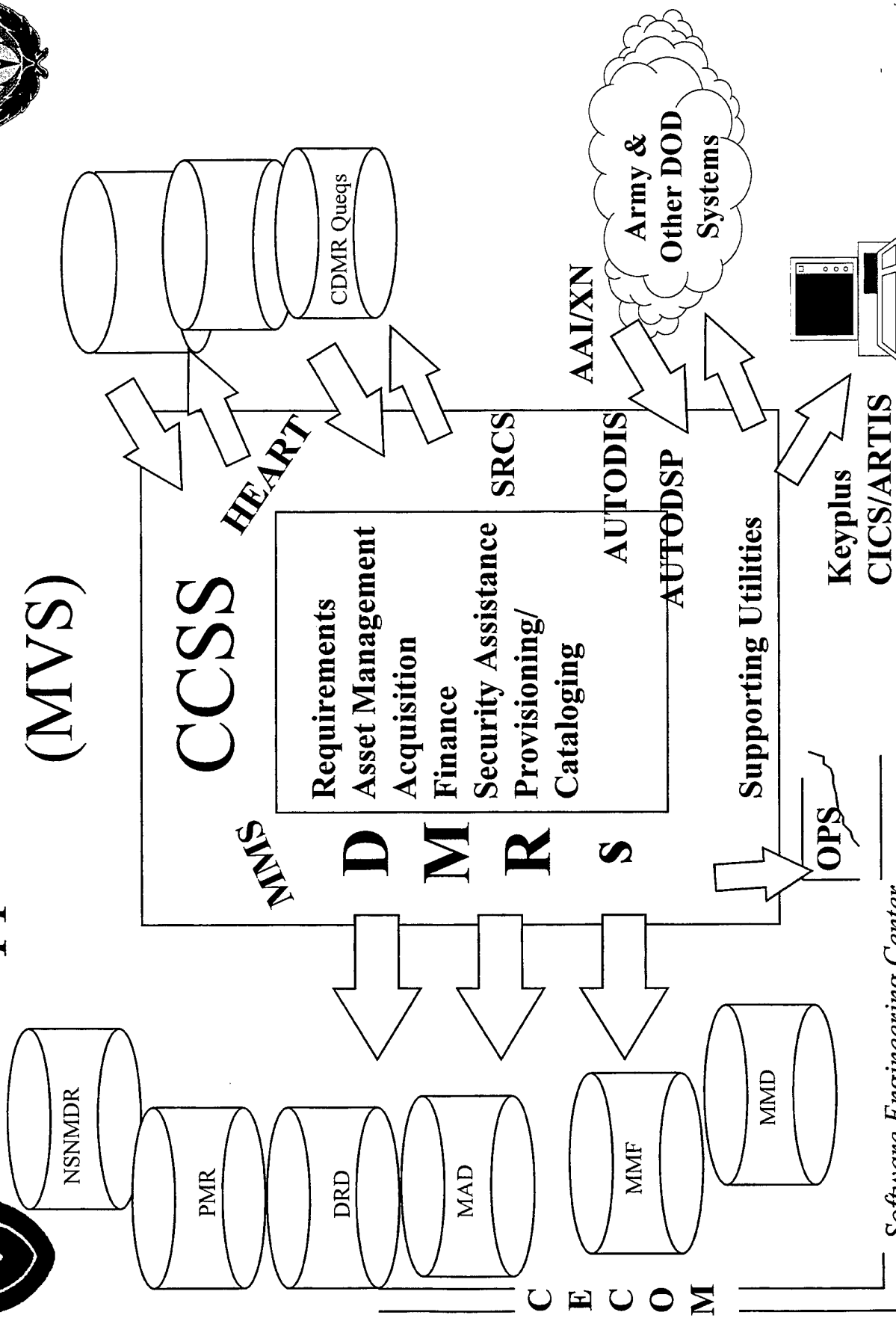


Hardware/Software Architecture





Application Architecture (MVS)



Software Engineering Center



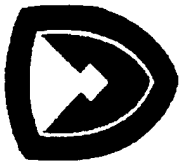
Utility/Technical Applications

(MVS)

- AAI/XN -Automated AUTODIN Interface/Extended Networking
- AUTODIS -AUTODIN Disseminator
- AUTODSP -AUTODIN Dispatcher
- CICS/ARTIS -Customer Information Control System/ Alpha Remote Terminal Inquiry System
- DRI -Data Routing Interface
- HEART -Hardcore Entry and Routing Technique
- Keyplus -Data Entry Application (Vendor Written)
- NDNLOG -DMR and DCMR System Log
- MMS -Multi Machine Scheduler
- OPS -Output Product System
- SRCS -Standard Reject Control System

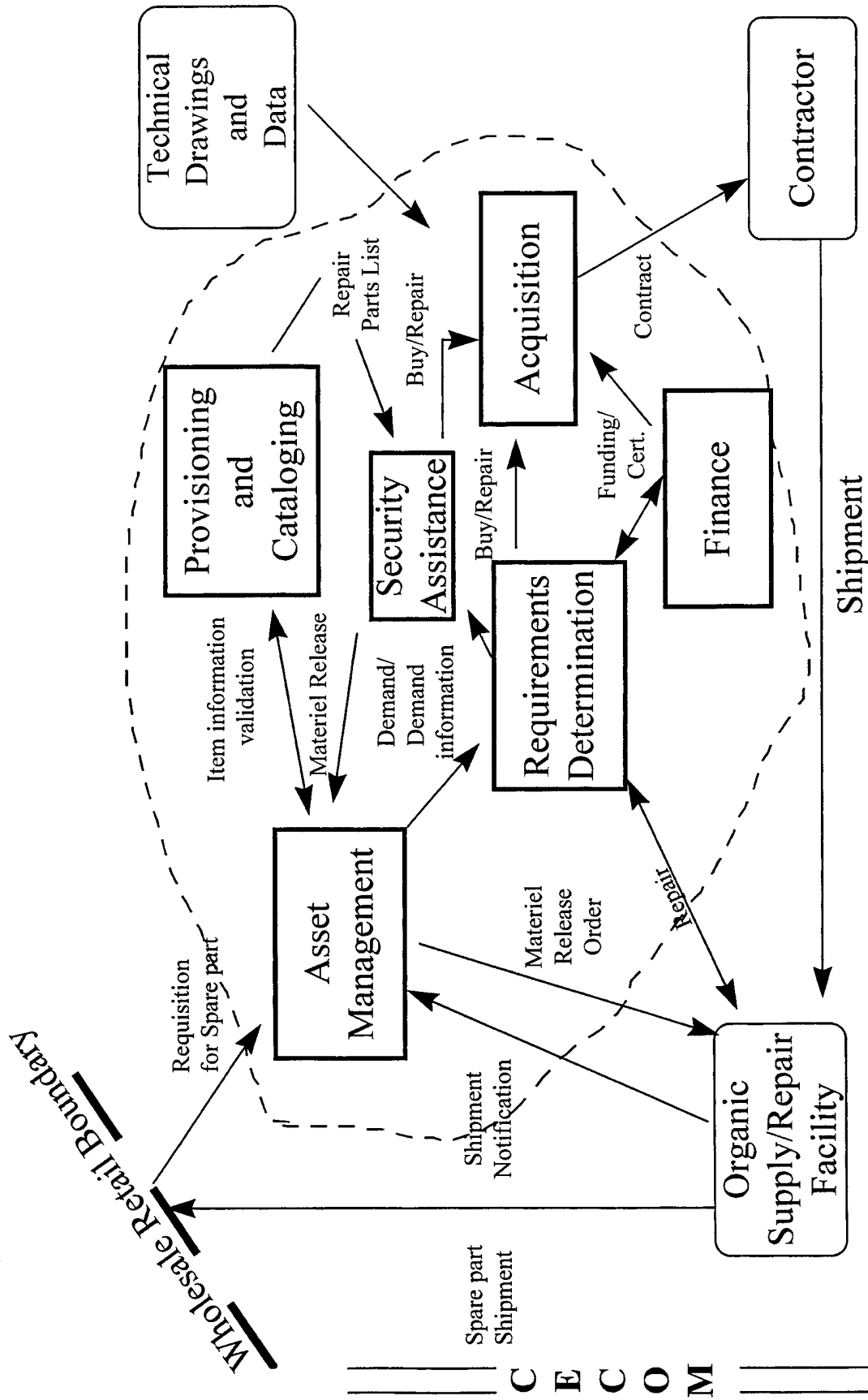
Software Engineering Center





CCSS

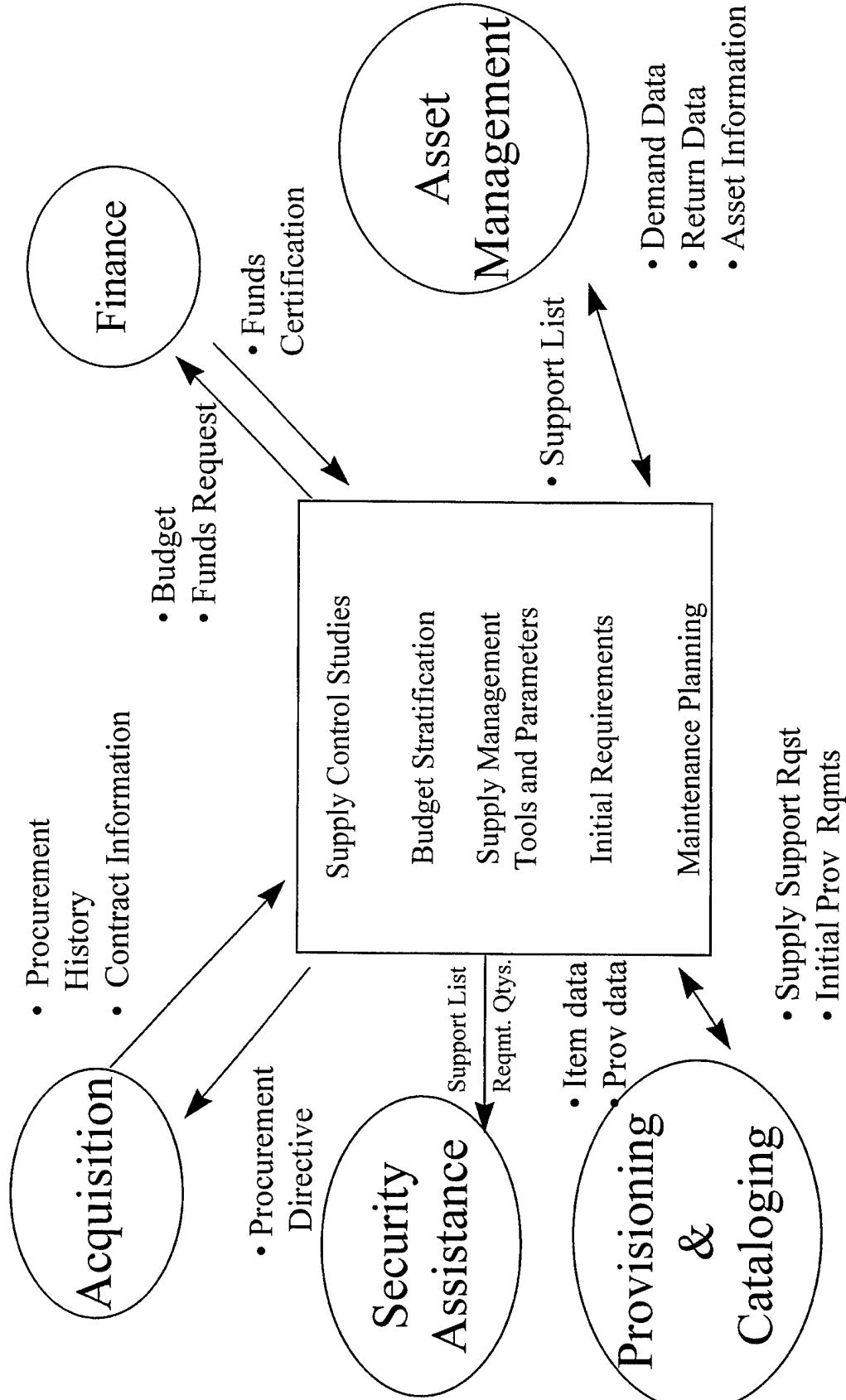
Business Area Interaction



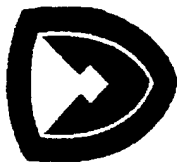


CCSS Functional Structure

Requirements Determination



Software Engineering Center



CCSS Flexibility

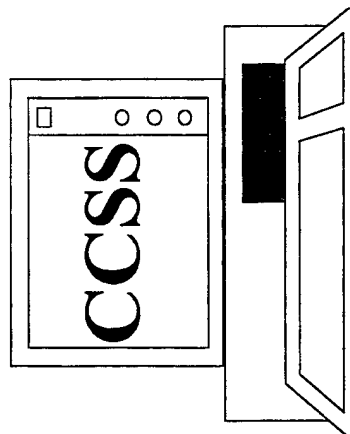


Organizational Controls:

- Controlled access
- Central Access vs. Multi-access

Parameters:

- Management influences
- Tailored to the commodity



Manual Intervention:

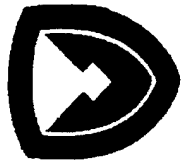
- Optimum balance between automatic/manual
- Maximize system effectivity

Scheduling:

- Maximizing interfaces
- Fine-tunes
- Maximizing customer support

CCSS has the *flexibility* to accommodate management decisions.

Software Engineering Center



CCSS Configuration Management

Configuration Management
A Key Element

- Executive level decision authority for CCSS
- Provides program direction and guidance for CCSS

AMC Board of Directors

Configuration Control Group

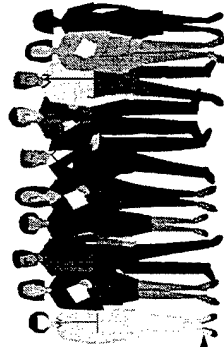
- Provides functional direction for CCSS

Business Process Manager

- MSCs have been selected as area leads
- Leads BPGs reps from other MSCs

Business Process Group

- Set up by business areas
- Command representatives
- Staffed by Systems Analysts



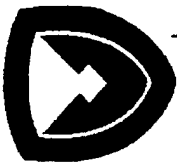
CCSS Users

Mandatory Changes

- Release Management Process**
- Controls baseline
 - Insures interfacing
 - Standardizes change schedule

Software Engineering Center

C E C O M

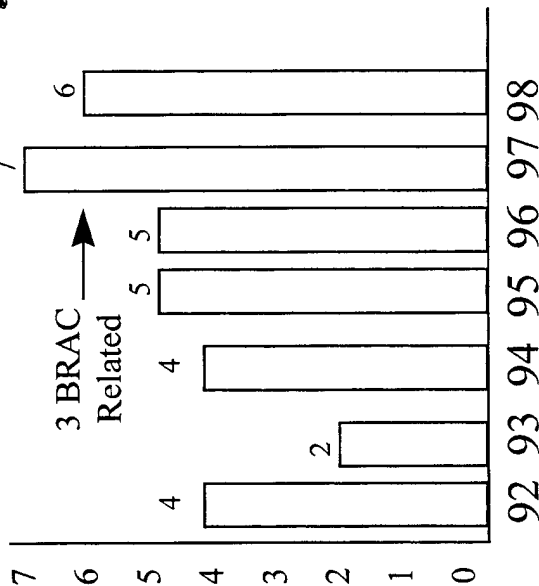
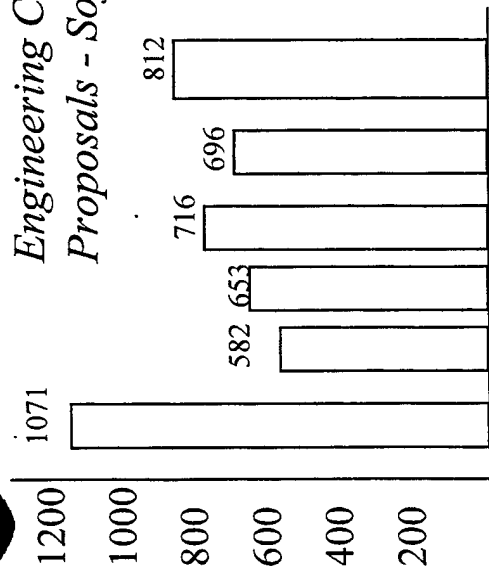


Workload Metrics

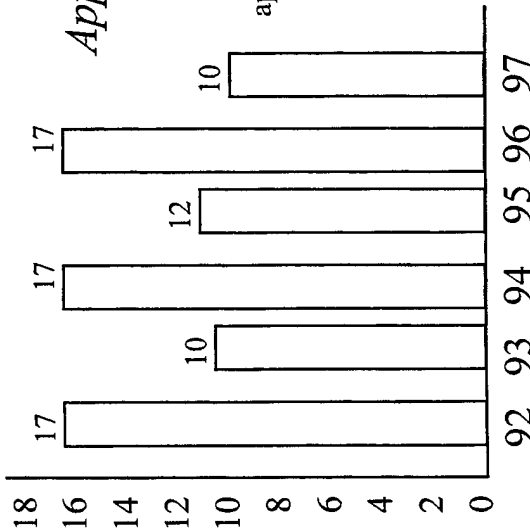


Systems Change
Packages Fielded

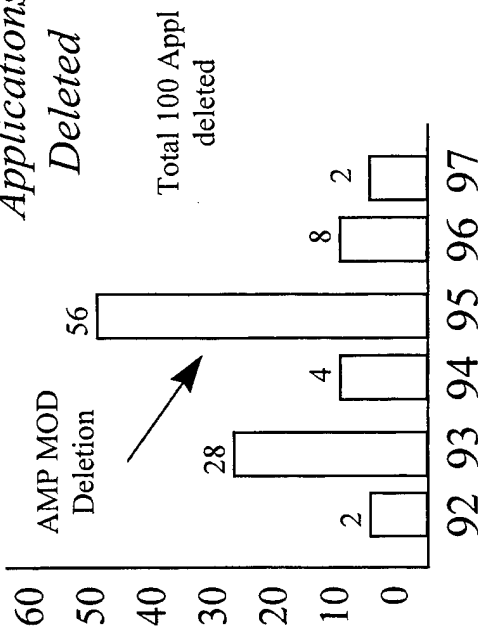
Engineering Change
Proposals - Software



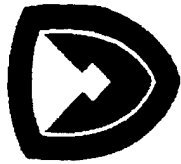
Applications
Added



Applications
Deleted



Software Engineering Center



CCSS

Testing, Deployment & Maintenance

Program
Direction
Guidance



Business
Information
Systems

Information
Technology

Application
Software
Changes

Executive
Software
Changes

SCP

ICP

CCSS
Baseline
DMC
MSC

Software
Testing

Software
Integration
Testing

System
Integration
Testing

Software
Acceptance
Testing

Prototype

User Support Maintenance

Software Engineering Center



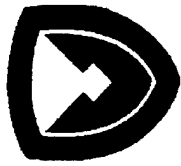
CCSS Major Automation Initiatives



FY 97 FY98 FY99

X	BRAC 95 Files Split/Merge			
X	Year 2000 Conversion			
X	Army Materiel Changes (DOD Driven)			
\$	Real Time Reqn Processing			
\$	Lateral Asset Redistribution Capability			
\$	Single Stock Fund			TBD
\$	Major Finance Program Merge			
\$	AMMO Modernization			TBD
\$	Implement Electronic Commerce/ Electronic Data Interchange			
\$	Readiness-Based Sparing War Reserves			
\$	Supply Performance Analyzer			
\$	On-line Budget Strat			
\$	Deficiency Reporting System			TBD

Software Engineering Center



Logistics Business Modernization



Near Term

Mid Term

Long Term

1 - 2 years

3 - 5 years

6 - 10 years

- Business Process Modeling
- Automated Transaction Generation
- On-line Output Products
- Data Standardization
- Resolve Database Incompatibilities

- Improve

Systems

Environment

- Exploit

Technology

-Interoperability

- Streamline

Processing

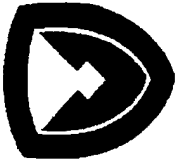
- Achieve

Compliance with

DOD log objectives

Software Engineering Center

C E C O M



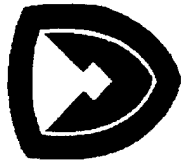
Summary



*Large
Complex
Integrated*

CCSS is...

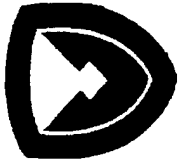
- AMC's Standard Wholesale Logistics Automation System
- A highly integrated system
- Integrated/interfaced with all DOD logistics systems
- Largely mainframe based: 10+ million lines of code
- Built on several highly interrelated technical platforms
- Managed by a disciplined configuration management and release process
- Being upgraded and modernized to meet DOD Logistic Modernization objectives



Additional Business Area Views

CECOM

Software Engineering Center



Data Integration

00	FIXED DATA
01	RELATED ITEM
02	FORMER NSN
05	ON HAND RECORD
06	DUE OUT RECORD
07	ASSET BALANCE FILE
08	DUE IN RECORD
09	SECURITY ASSISTANCE
10	PROCUREMENT HISTORY
11	I&S DATA
13	REQUIREMENTS
18	END ITEM APPLICATION
28	BREAKOUT DATA

Cataloging

Stock Control

Procurement

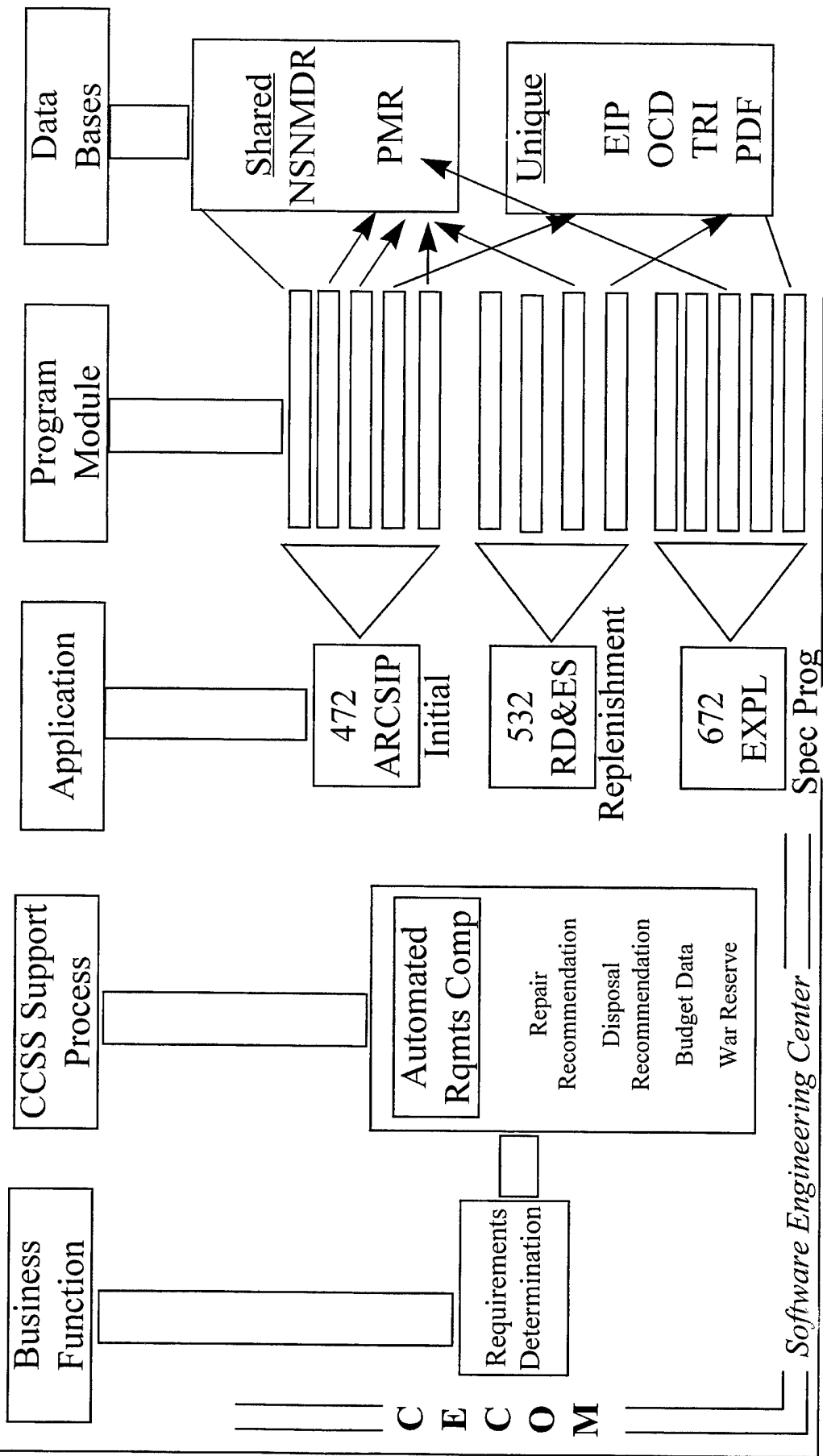
Requirements

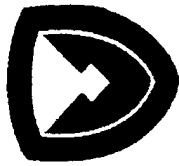
C E C O M

Software Engineering Center

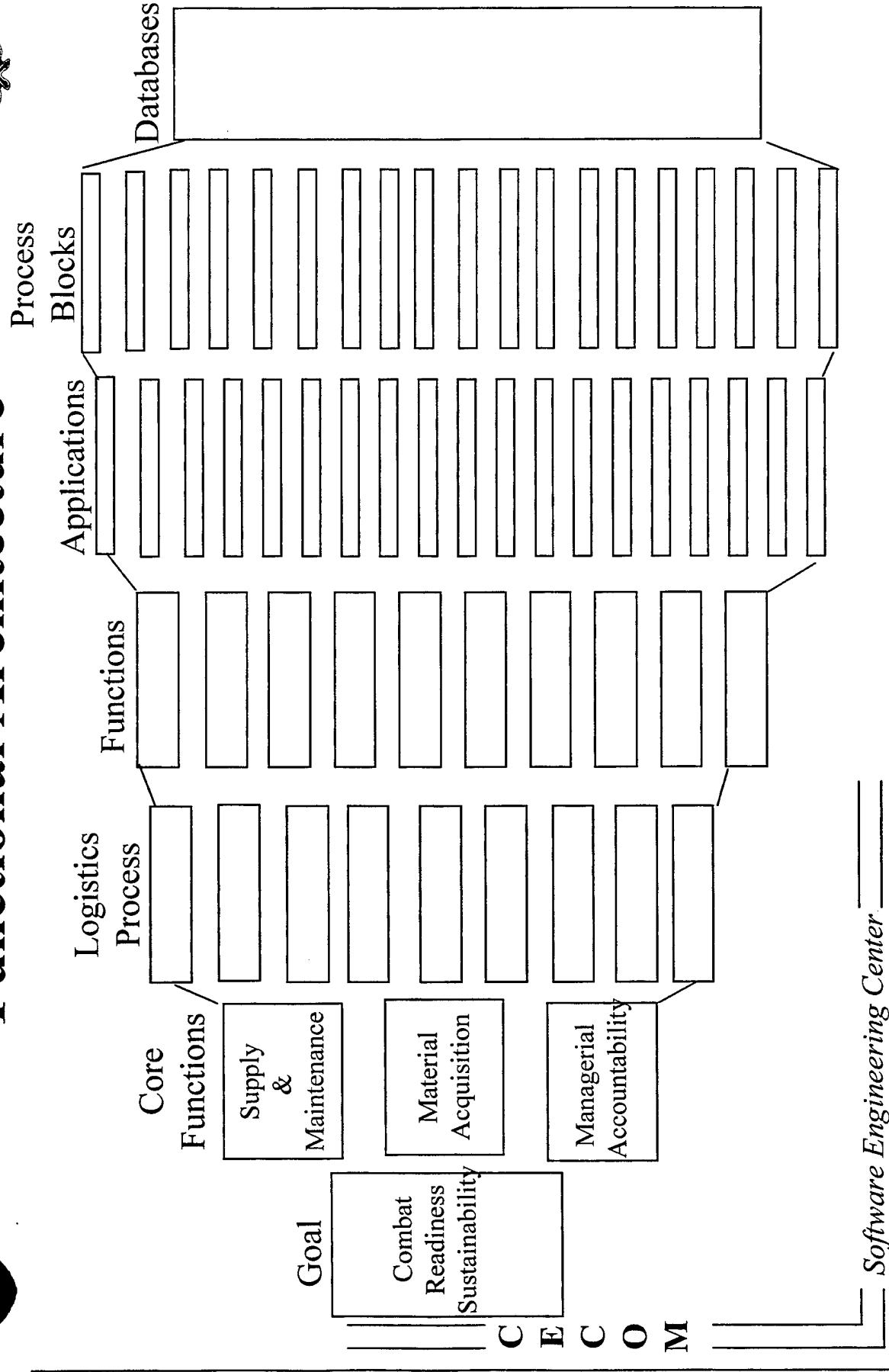


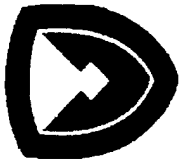
LOGISTICS SYSTEMS SUPPORT CENTER



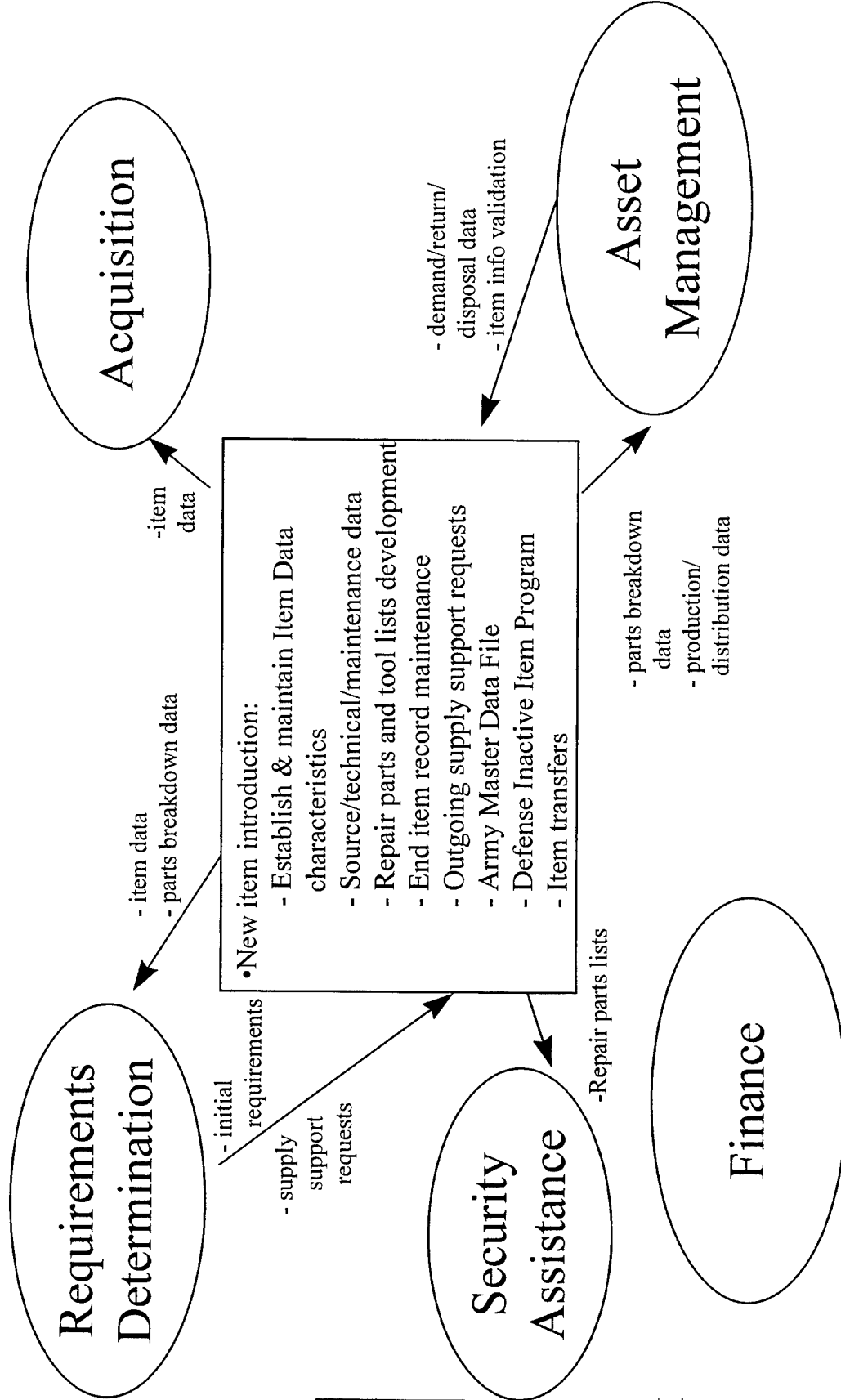


CCSS Background Functional Architecture



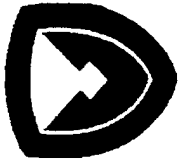


CCSS Functional Structure Provisioning and Cataloging

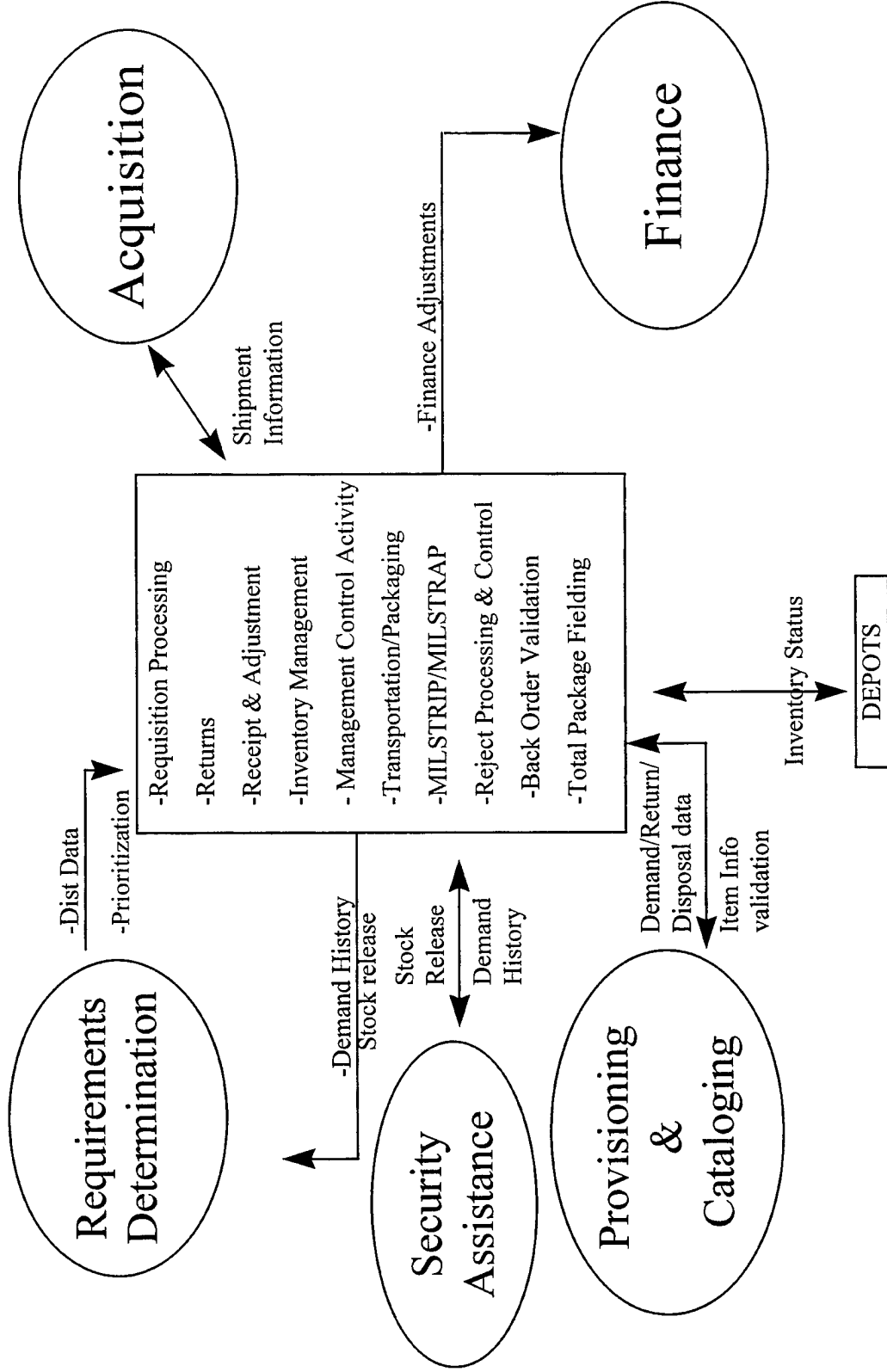


||| C E C O M |||

Software Engineering Center

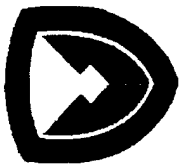


Asset Management

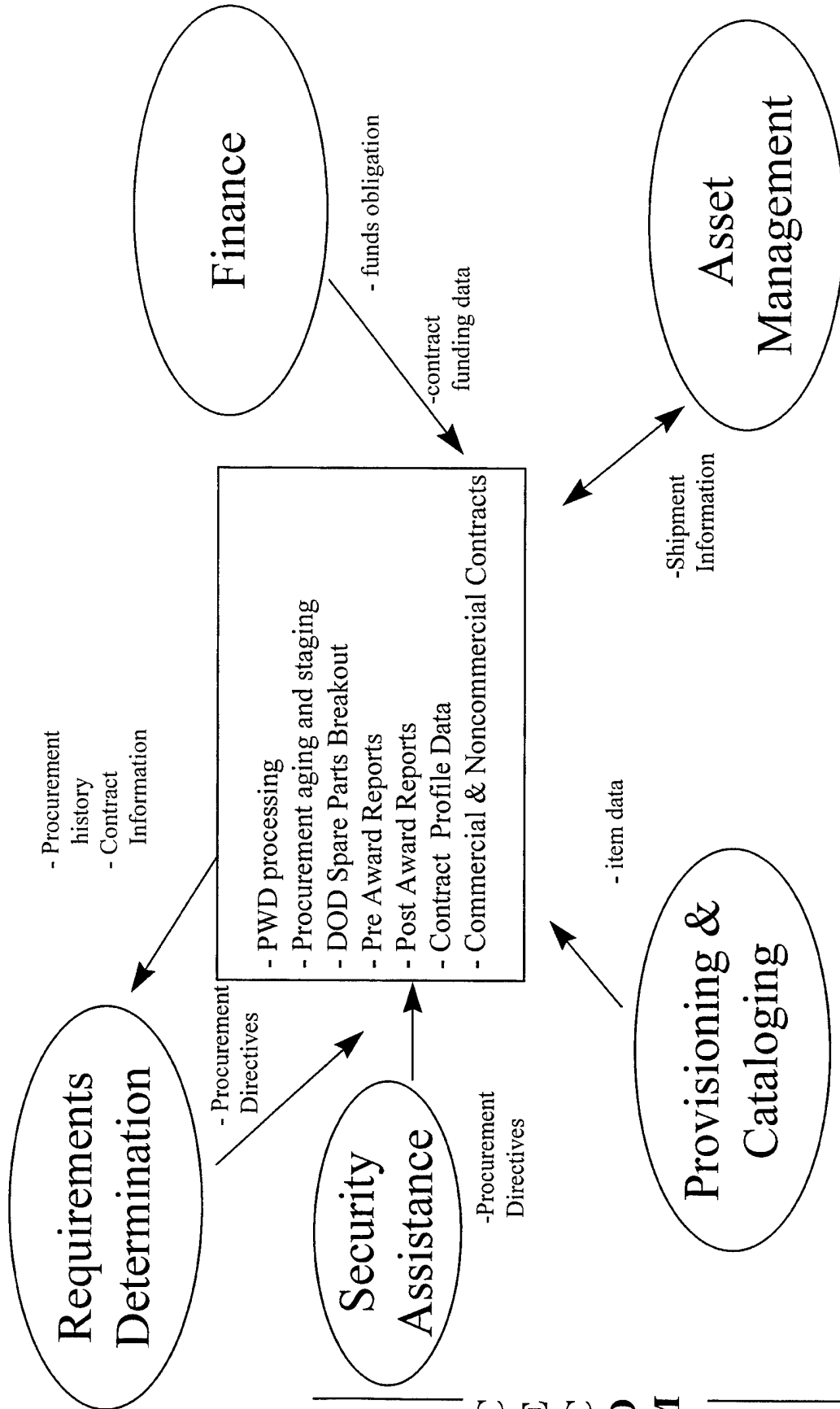


C E C O M

Software Engineering Center



CCSS Functional Structure Acquisition

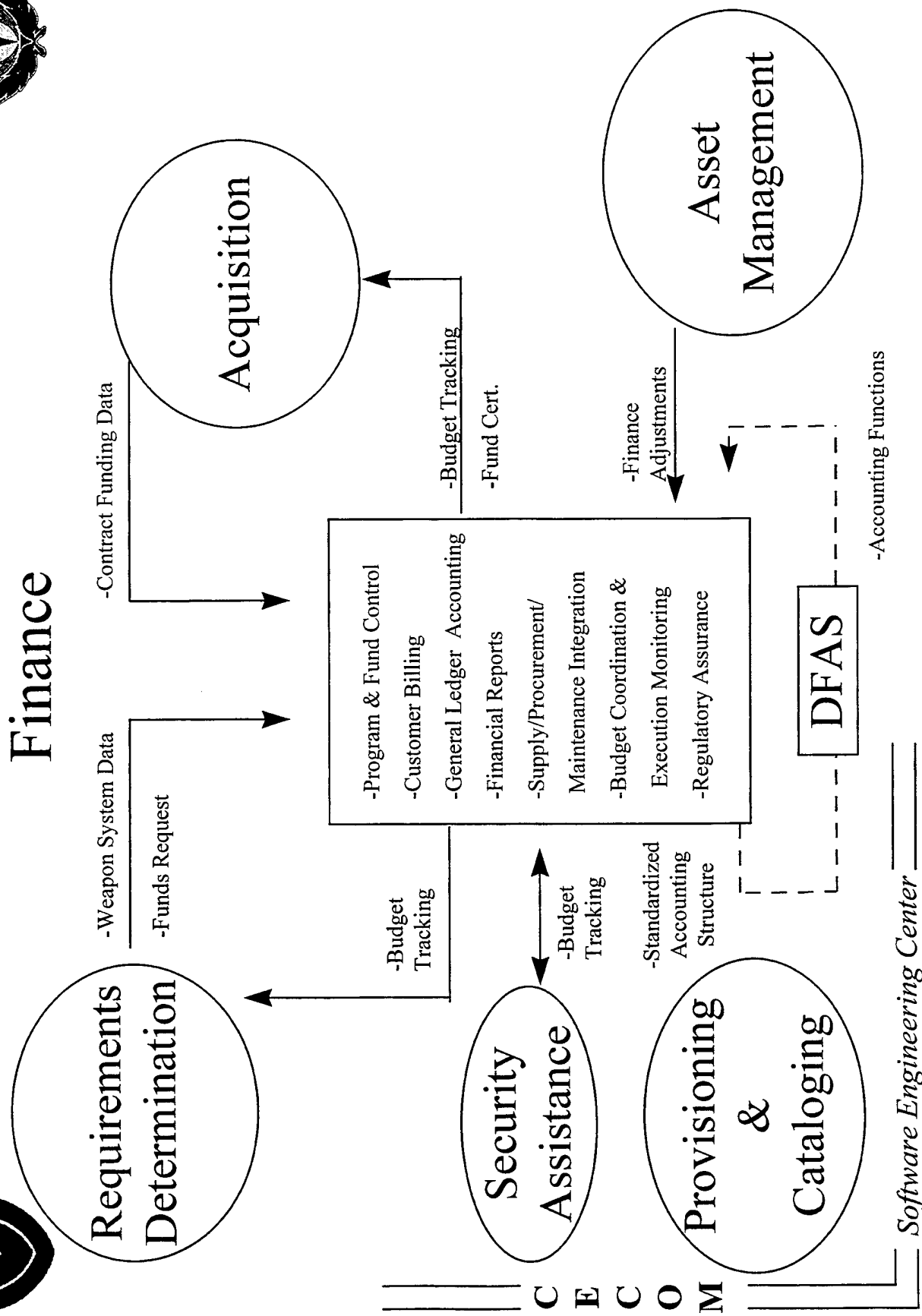


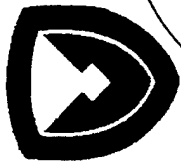
C E C O M

Software Engineering Center _____



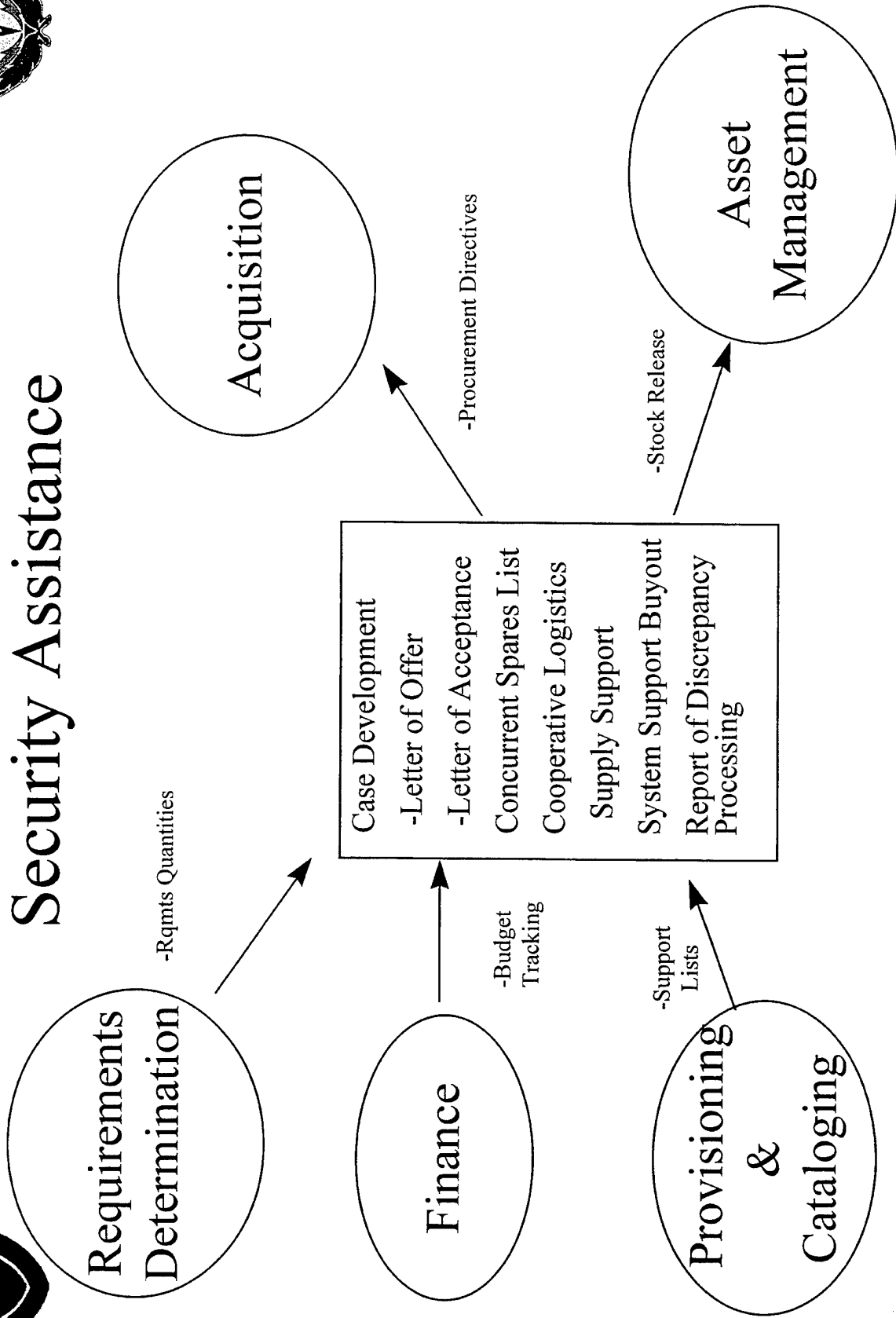
CCSS Functional Structure Finance





CCSS Functional Structure

Security Assistance



COM

Software Engineering Center

NOTES

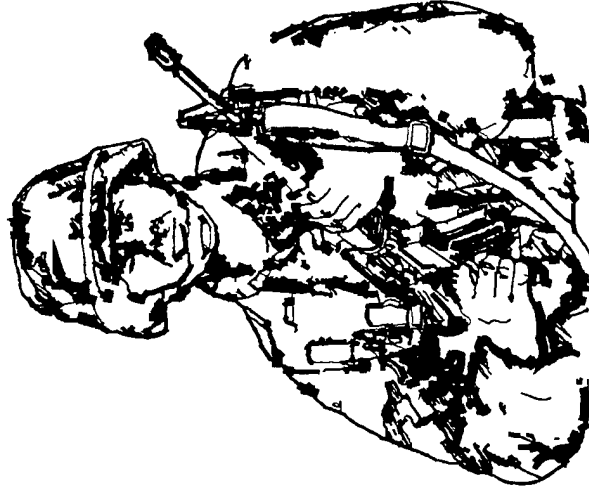
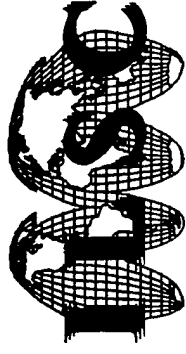
CENTRAL DESIGN ACTIVITY ORGANIZATION AND TECHNICAL OVERVIEW

**Industrial Logistics Systems Center -
Standard Depot System**

MR. WILLIAM F. O'MARA

**DIRECTOR, U. S. ARMY CECOM
INDUSTRIAL LOGISTICS SYSTEMS
CENTER**

LOGISTICS MODERNIZATION AWARENESS DAY



INDUSTRIAL LOGISTICS SYSTEMS CENTER (ILSC)...
PROVIDING INFORMATION DOMINANCE
FOR AMERICA'S WARFIGHTER

UNCLASSIFIED

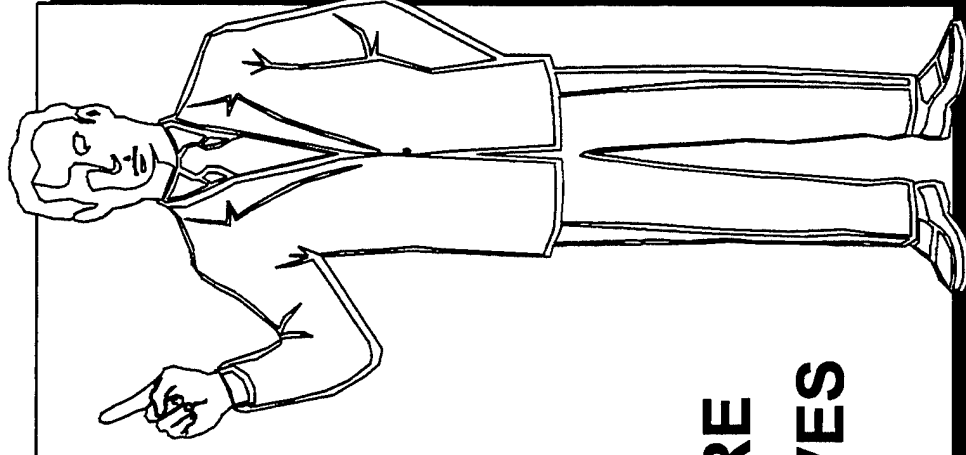
Software Engineering Center —

BUD O'MARA, DIRECTOR, CECOM-ILSC
e-mail sel-lo@letterkenn-emh1.army.mil
<http://www.ilsc.army.mil>

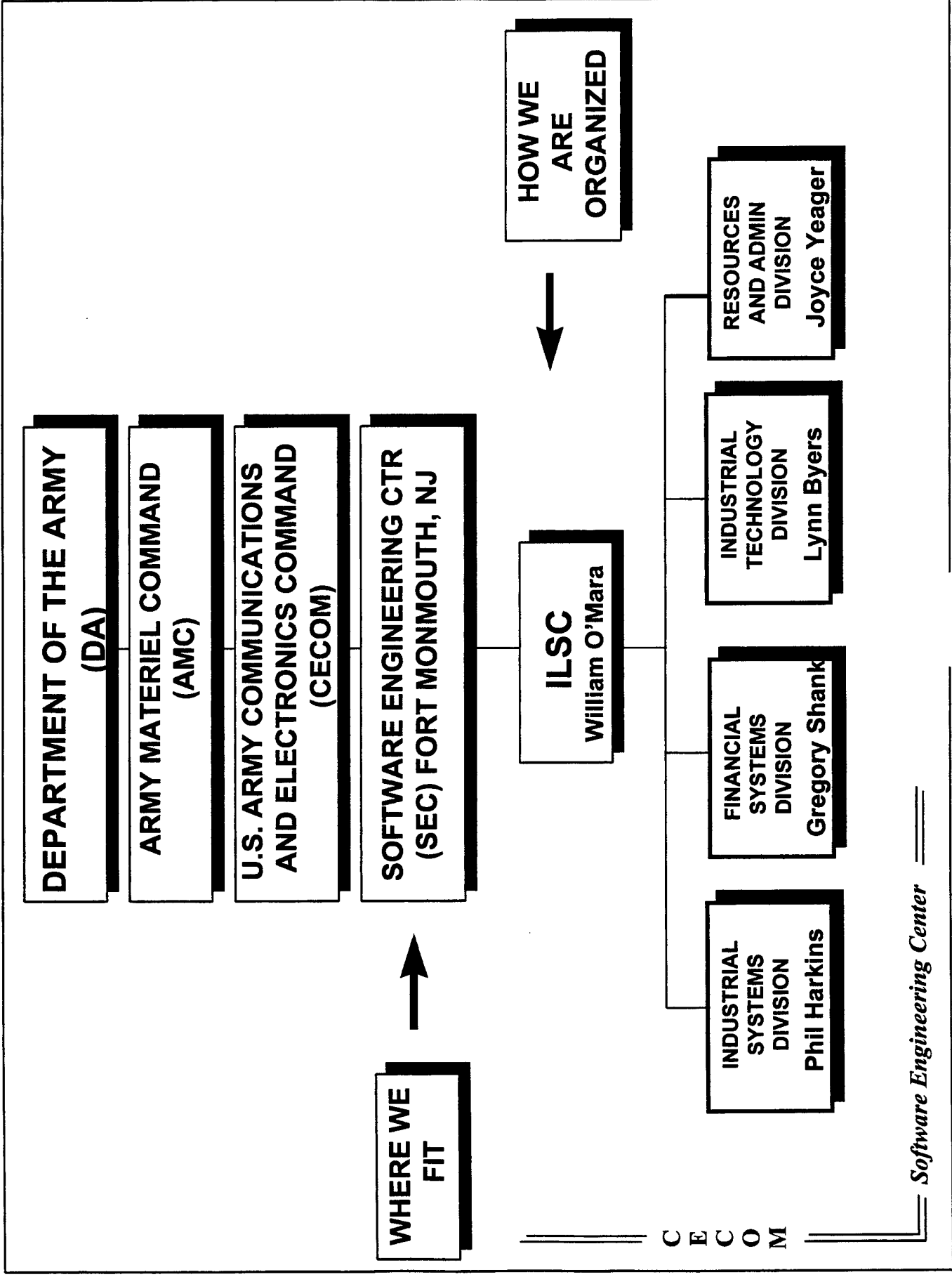
CECOM

AGENDA

- **BACKGROUND**
- **MISSION**
- **CUSTOMER BASE**
- **SDS BUSINESS AREAS**
 - EXTERNAL INTERFACES
 - INTERNAL INTERFACES
- **SDS TECHNICAL ARCHITECTURE**
- **SDS MODERNIZATION INITIATIVES**

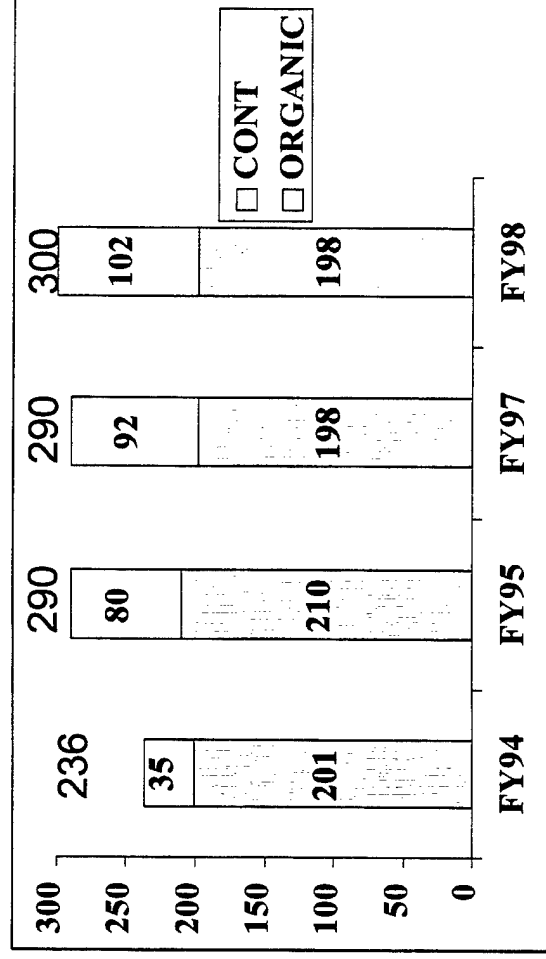
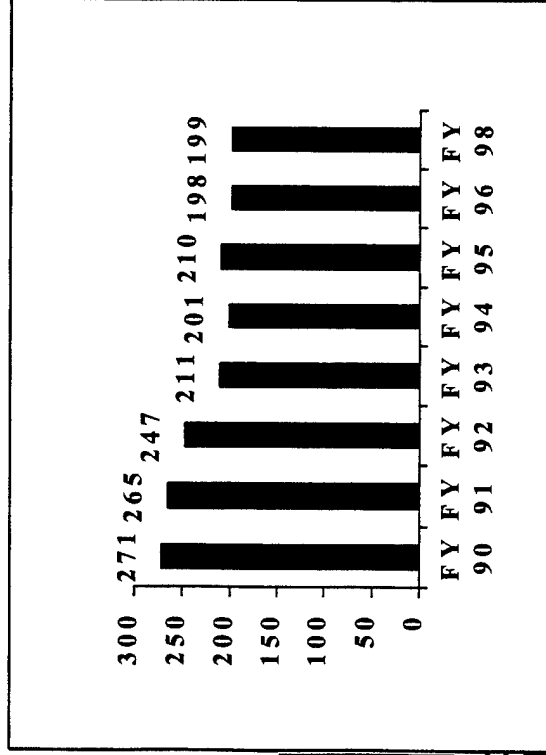


CECOM

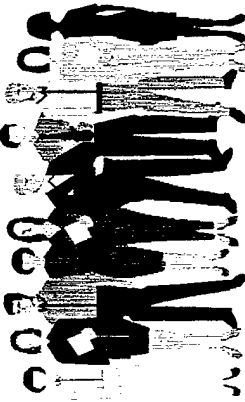


BACKGROUND ORGANIZATION METRICS

WORKFORCE CONTRACTOR AUGMENTATION



BACKGROUND

FY98	
CIVILIAN	MILITARY
199	0
	
15 DIFFERENT SKILL TYPES	

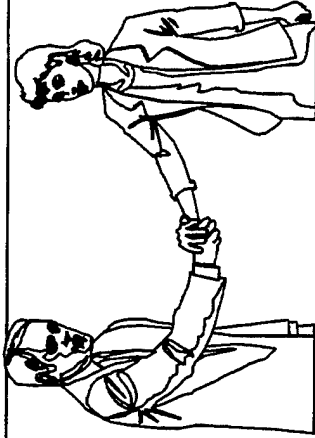
EDUCATED AND SKILLED WORKFORCE

•AVERAGE YRS SVC	20.8
•AVERAGE YRS ILSC	11.7
•EDUCATION LEVEL	
ASOC DEGREE	8
BACHELOR DEGREE	69
MASTER DEGREE	14
•AVERAGE GRADE	11.5

A/O 9/30/97

BACKGROUND

INFORMATION SERVICE BUSINESS AREA

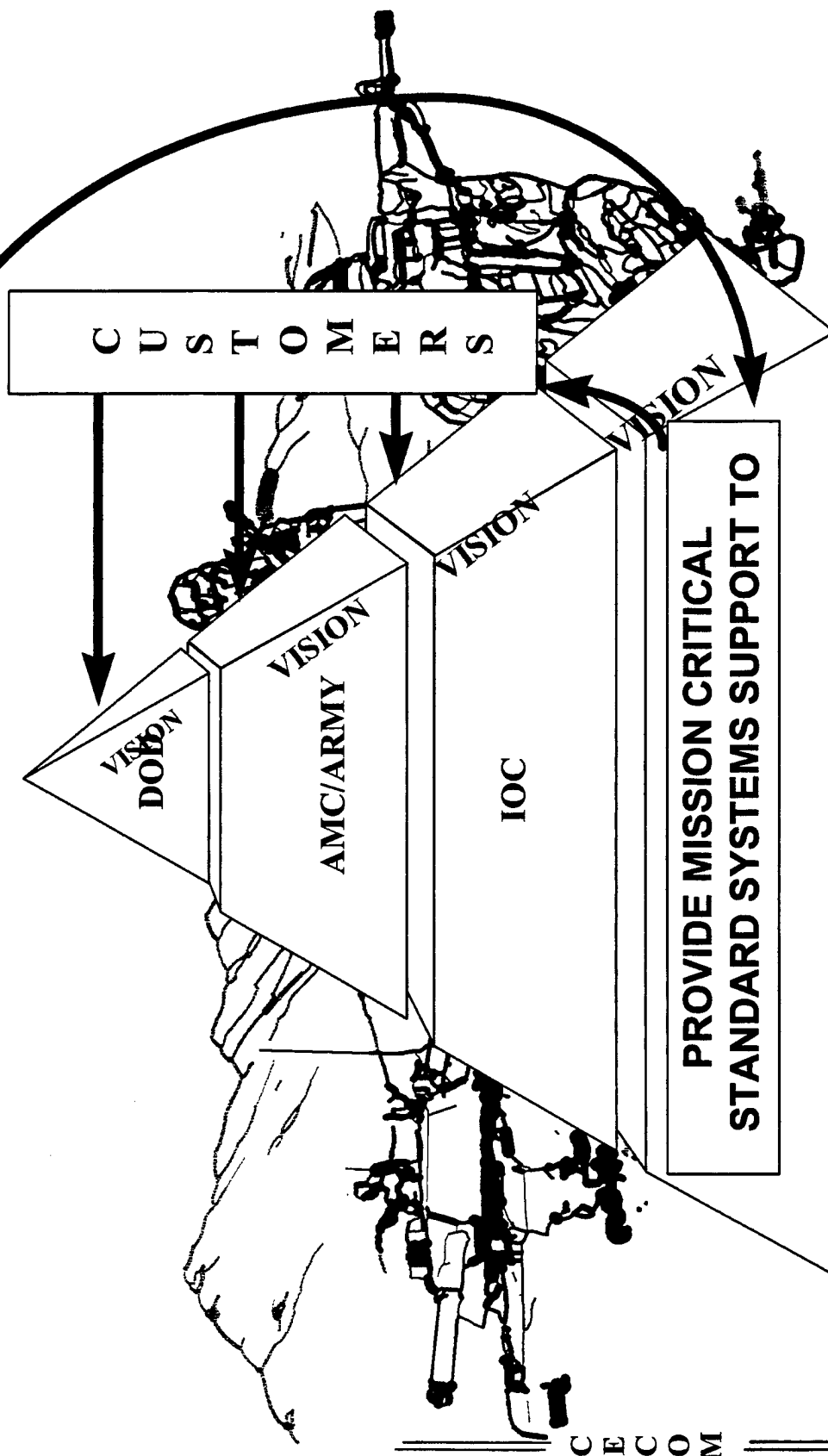


A FEE-FOR-SERVICE ORGANIZATION

CECOM

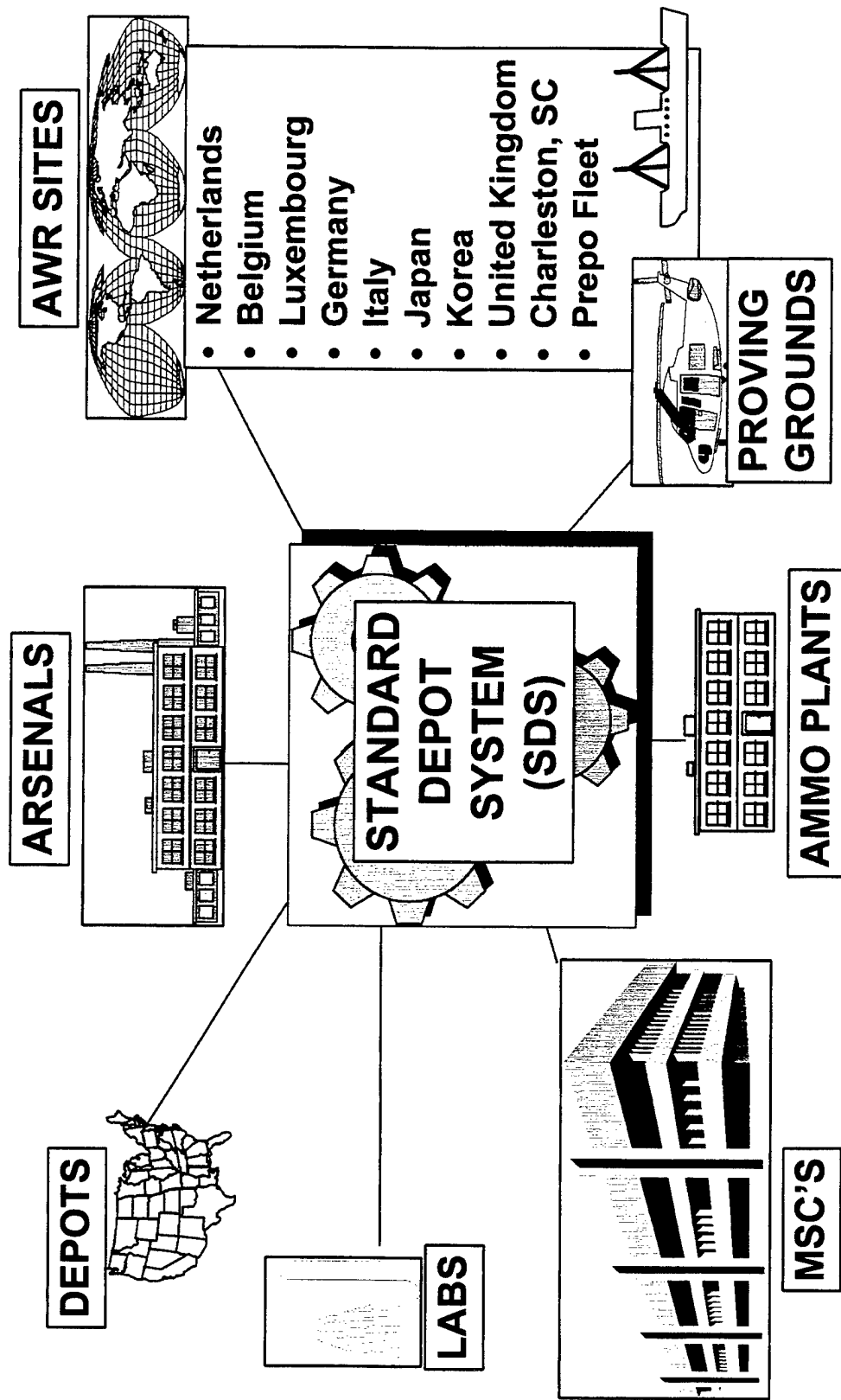
Software Engineering Center

ILSC MISSION



Software Engineering Center

AMC CUSTOMER BASE



C E C O M

FY98 MAJOR CUSTOMERS

CUSTOMER

SYSTEMS APPLICATIONS

AMC

AMC MANPOWER MGT INFO SYS (AMCISS)

IOC

AMMUNITION MGT SYS
DEPOT MAINTENANCE

AMC INSTALLATION SUPPLY SYS (AMCISS)

AWRCOM

AMCISS, MAILS, SUPPLY SYSTEMS

I&SA

AMC INSTALLATION SUPPLY SYS (AMCISS)
SELF SERVICE SUPPLY STORE CENTER

OSD

PROPERTY ACCOUNTABILITY (DPAS)

DFAS

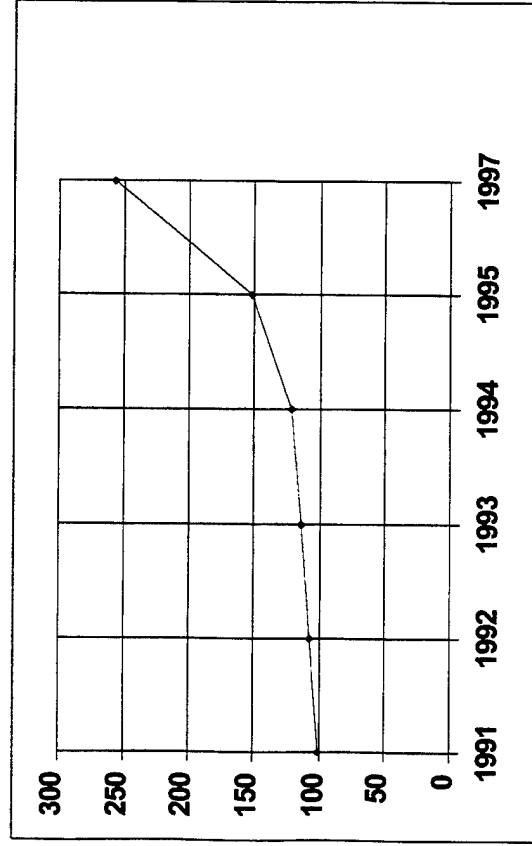
STD INDUSTRIAL FUND SYS (SIFS)
AUTO TIME & ATTENDANCE PROD SYS (ATAAPS)

CECOM

Software Engineering Center

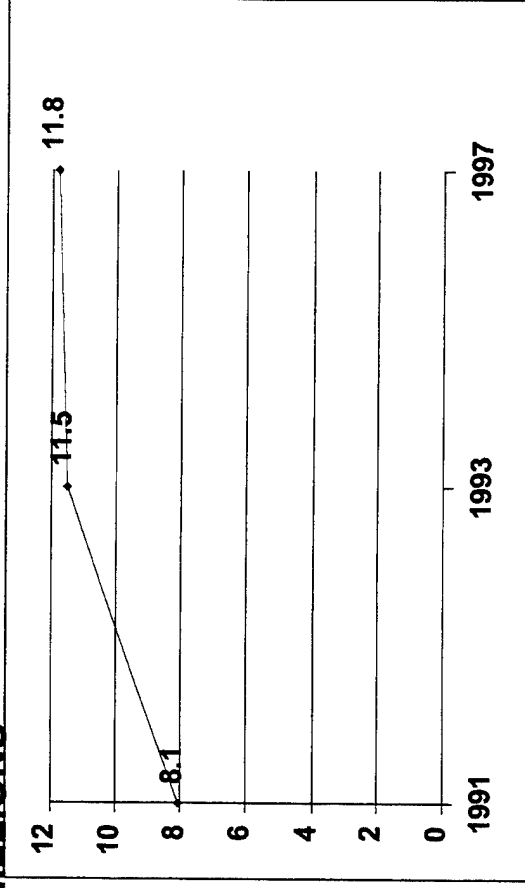
GROWTH METRIC

USERS



CODE INVENTORY

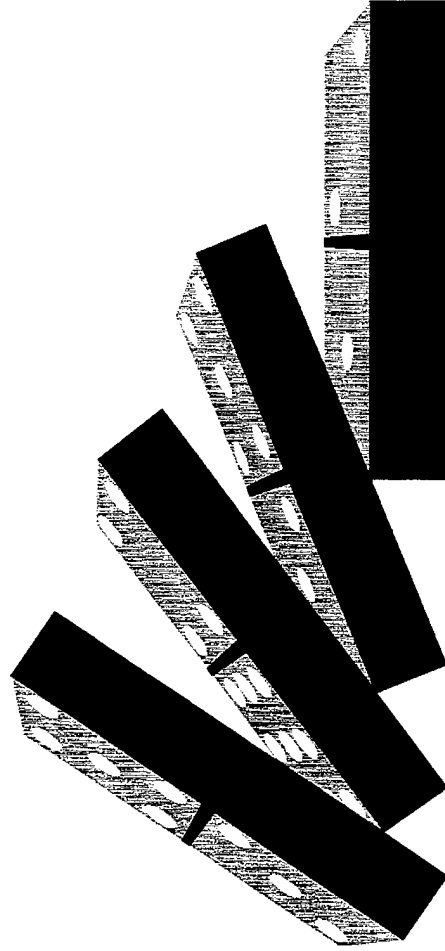
MILLIONS



E C O M

Software Engineering Center

SDS EXTERNAL INTERFACES



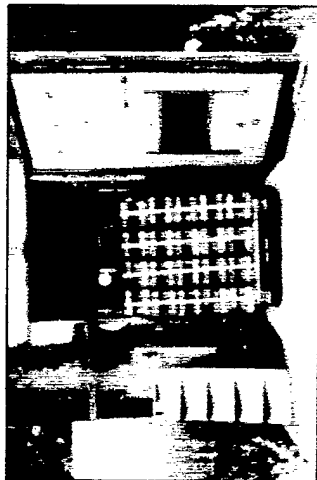
40 EXTERNAL INTERFACES

CECOM

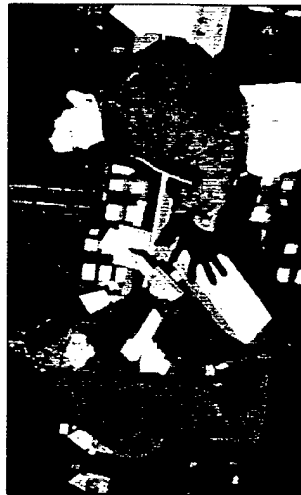
Software Engineering Center

SDS SUPPORTING BUSINESS AREAS

AMMUNITION MANAGEMENT



PROPERTY ACCOUNTABILITY INSTALLATION MANAGEMENT



DEPOT MAINTENANCE



STRATEGIC STOCKS/ WAR RESERVES



FINANCIAL & MPWR MANAGEMENT



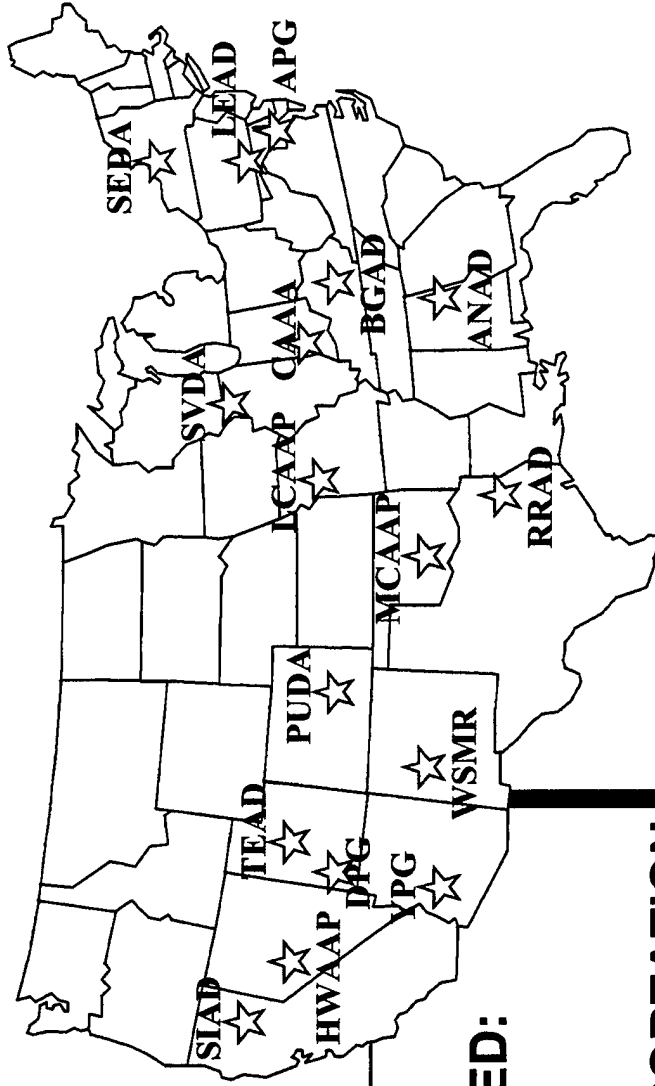
C E C O M

Softwa

AMMUNITION MANAGEMENT



AMMUNITION MANAGEMENT



FUNCTIONS SUPPORTED:

- RECEIVING
- SHIPPING/TRANSPORTATION
- INVENTORY/ADJUSTMENTS
- CATALOGING
- LOCATIONS
- SURVEILLANCE
- ASSET REPORTING

OVERSEAS CUSTOMERS:

- ☆ MIESAU, GER.
- ☆ CEB-SO, ITALY

AMMUNITION MANAGEMENT INTERFACES

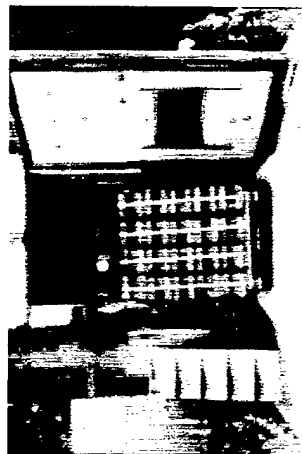
ARMY MASTER
DATA FILE

COMMODITY
COMMAND
STANDARD
SYSTEM

WORLDWIDE
AMMUNITION
REPORTING SYSTEM

COMBAT
AMMUNITION
SYSTEM (USAF)

CONVENTIONAL AMMO
INVENTORY MGMT
SYSTEM (CAIMS)



ARMY MATERIEL
COMMAND INSTALLATION
SUPPLY SYSTEM

STANDARD INDUSTRIAL
FUND SYSTEM

C E C O M

JLSC CIM AMMUNITION SYSTEM

NAVY CAIMS
ICP

ARMY SDS
DEPOT/BASE
LEVEL

RETAIL
TBD

AMMUNITION MANAGEMENT
STANDARD SYSTEM
(AMSS)

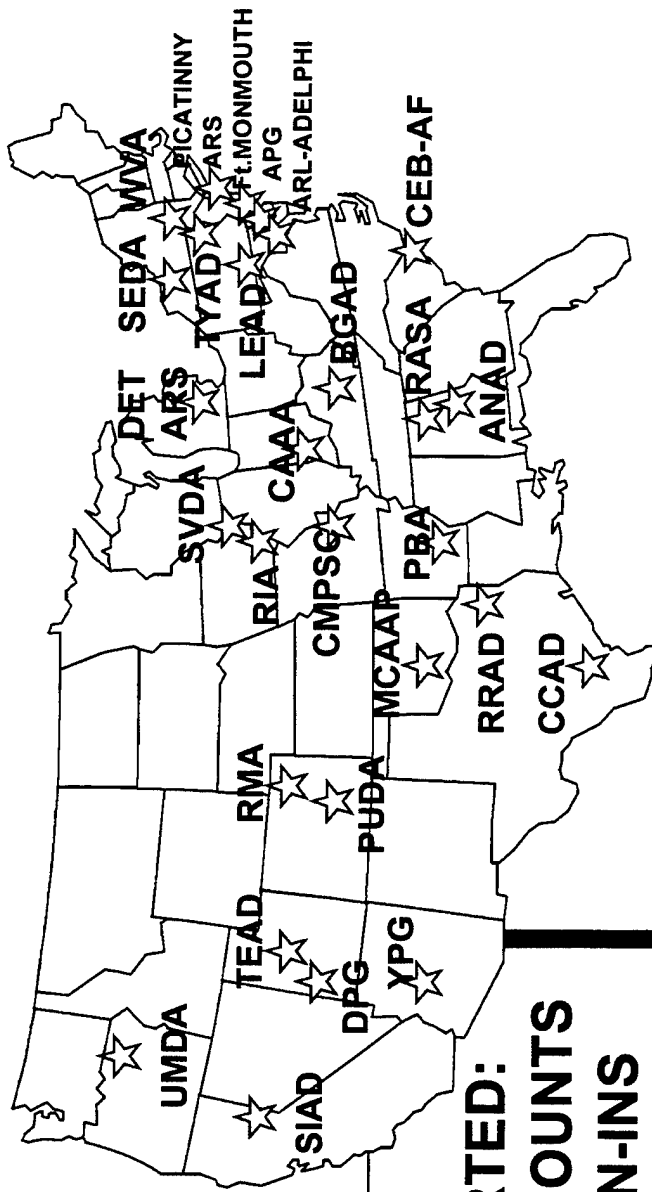
CECOM

Software Engineering Center

INSTALLATION MANAGEMENT



AMC INSTALLATION SUPPLY SYSTEM (AMCISS)



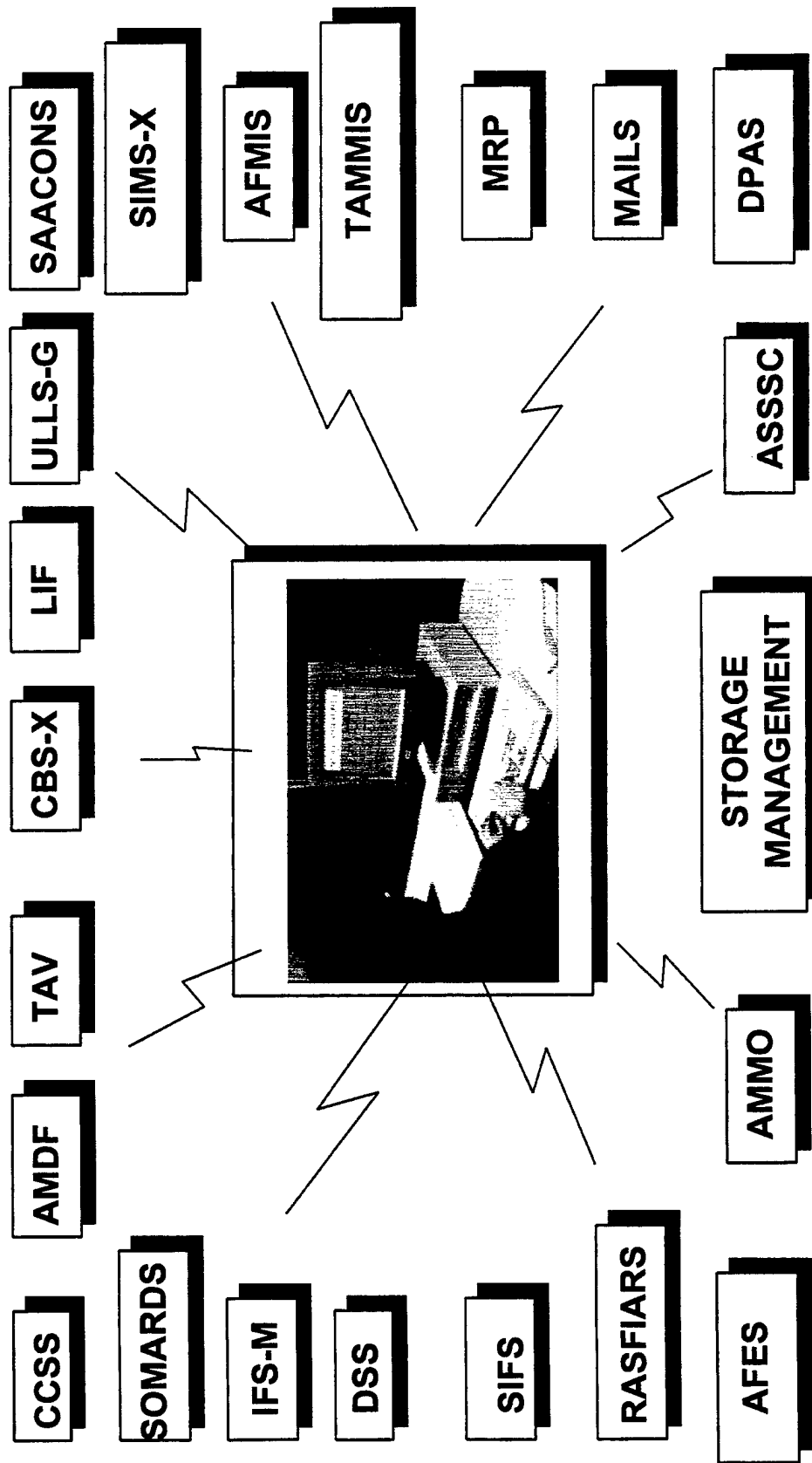
FUNCTIONS SUPPORTED: STOCK RECORD ACCOUNTS

- RECEIVING, TURN-INS
- LOCATIONS
- INVENTORY
- ADJUSTMENTS
- ISSUE/SHIPPING
- CYCLIC INSPECTION

OVERSEAS SITES

- ★ HYTHE, ENG
- ★ EYGELSHOVEN, NL

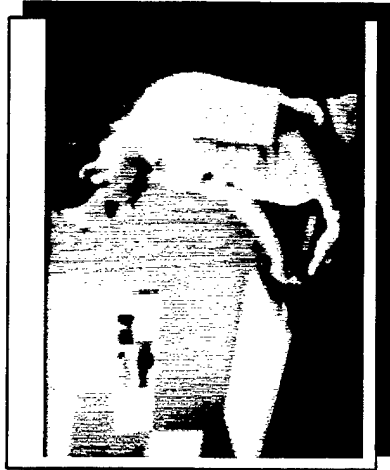
AMCISS INTERFACES



C E C O M

Software Engineering Center

DOD PROPERTY ACCOUNTABILITY SYSTEM (DPAS)



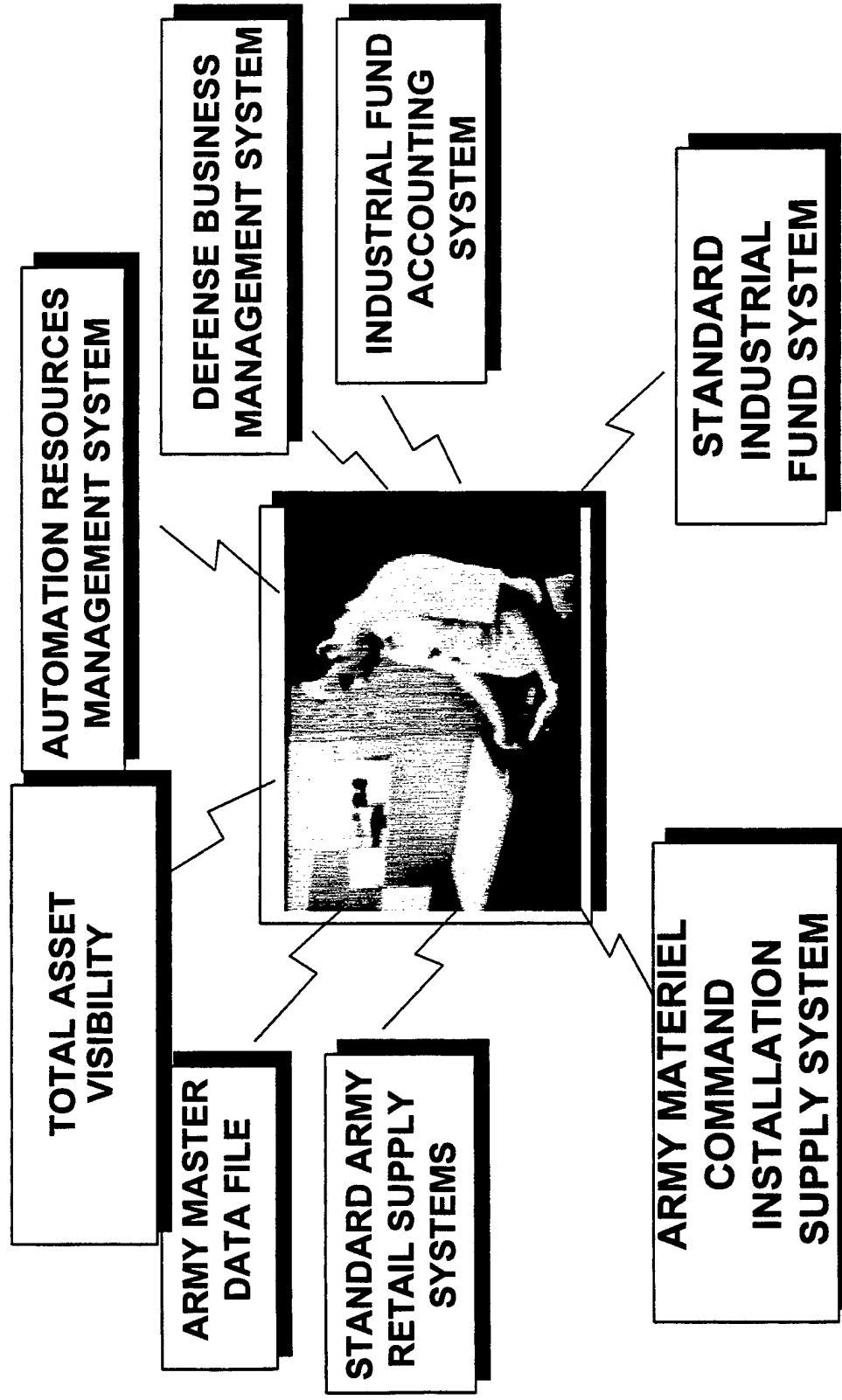
<u>SERVICE</u>	<u>SITES</u>	<u>UIC'S</u>
ARMY (AMC, TRADOC, USMA)	48	119
DOD (DECA, DISA, DFAS, DCA, DCAA)	40	518
NAVY	3	3
TOTALS	91	640

COMPLETE ASSET MGT SYS:

- PROPERTY BOOK
- INVENTORY MANAGEMENT
- EQUIPMENT UTILIZATION
- EQUIPMENT MAINTENANCE
- ASSET REDISTRIBUTION
- FINANCIAL REPORTING

Software Engineering Center

DPAS INTERFACES



CECOM

Software Engineering Center

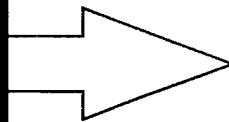
DPAS STANDARD MID-TIER ARCHITECTURE

COLUMBUS, OHIO

TEST BED



HP 9000
SUPRA RELATIONAL DB

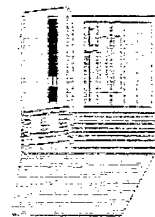


ILSC

CONTROLLED

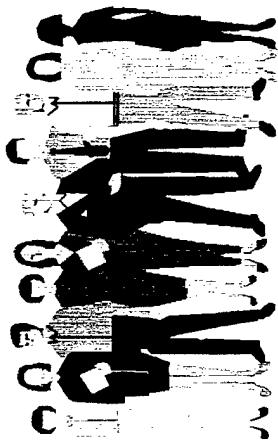
DAYTON, OHIO

PRODUCTION



NIPRNET

ILSC



•SYSTEM LIFE CYCLE
SUPPORT



91 SITES

Software Engineering Center

SELF SERVICE SUPPLY STORE



FUNCTIONS SUPPORTED:

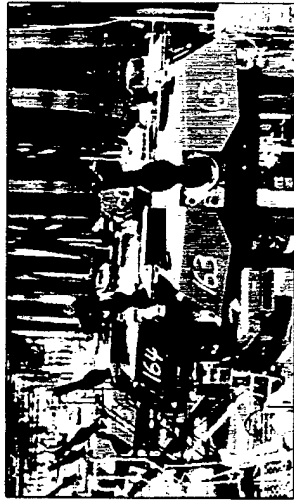
- SALES
- CREDIT CHECKS
- RECEIPTS
- STOCKAGE COMPUTATION
- REPLENISHMENT
- SUMMARY REPORTS

DOD USER BASE

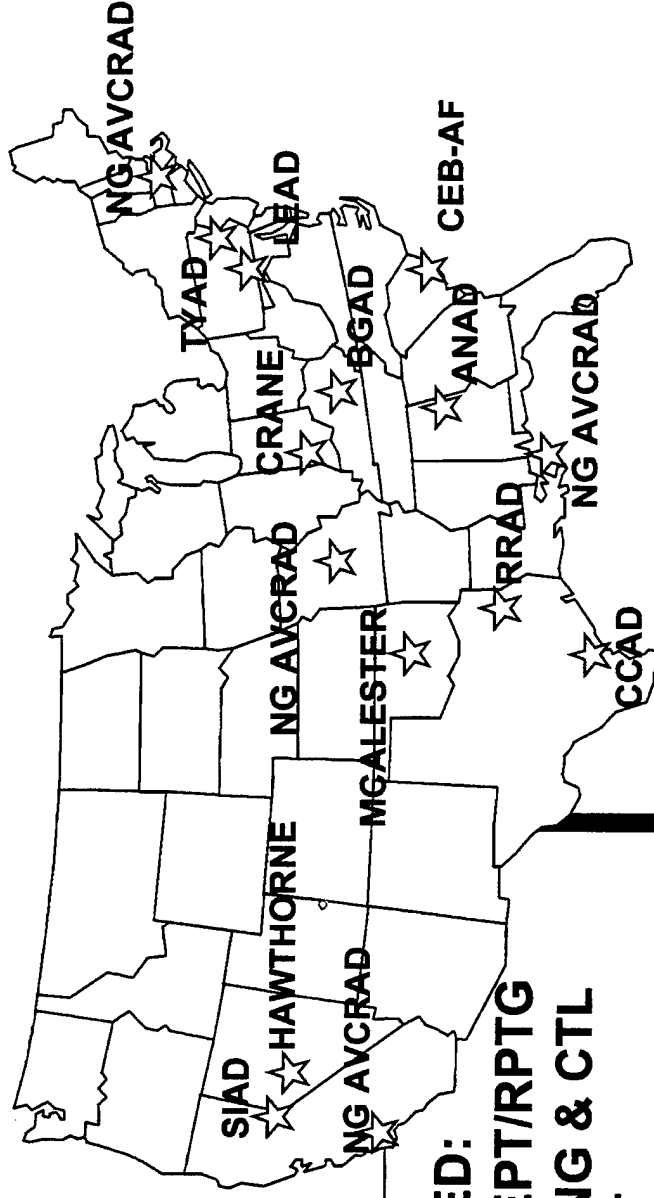
IOC-----	10	COE SITES ----	2
AMC SITES----	21	USAREUR-----	15
MDW-----	11	8TH ARMY-----	6
NAT GD-----	54	WEST POINT	
USARPAC-----	3		
WHITE HOUSE			

Software Engineering Center

DEPOT MAINTENANCE



DEPOT MAINTENANCE



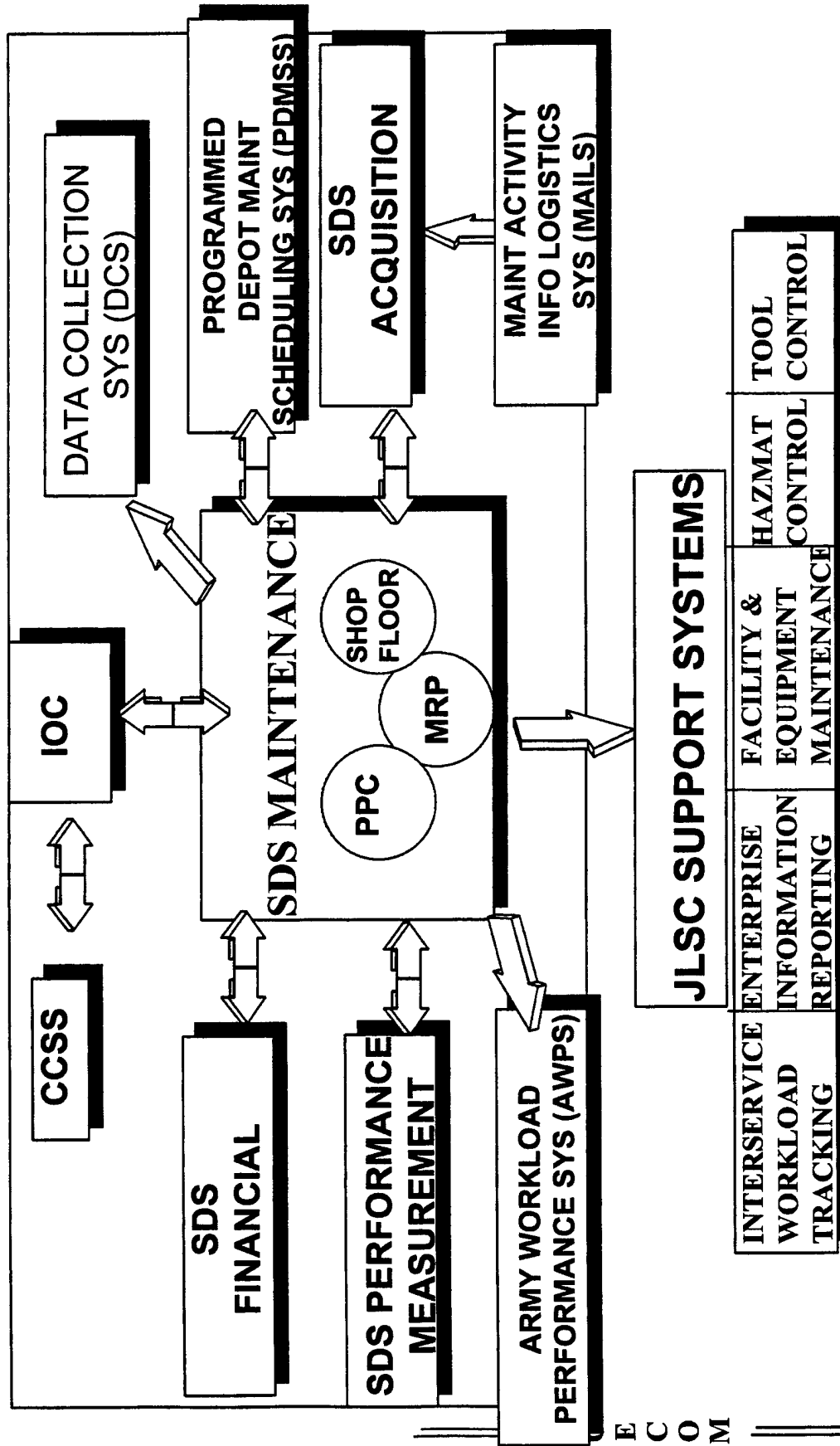
FUNCTIONS SUPPORTED:

- WORKLOAD ACCEPT/RPTG
- PRODUCTION, PLNG & CTL
- SHOP FLOOR MGT
- MAINT RESOURCES PLNG (MRP)
- AVIATION ROUNDOUT MAINT
- MGT INFO SYS (ARMMIS)
- MAINT ACTIVITY INFO
- LOGISTICS SYS (MAILS)

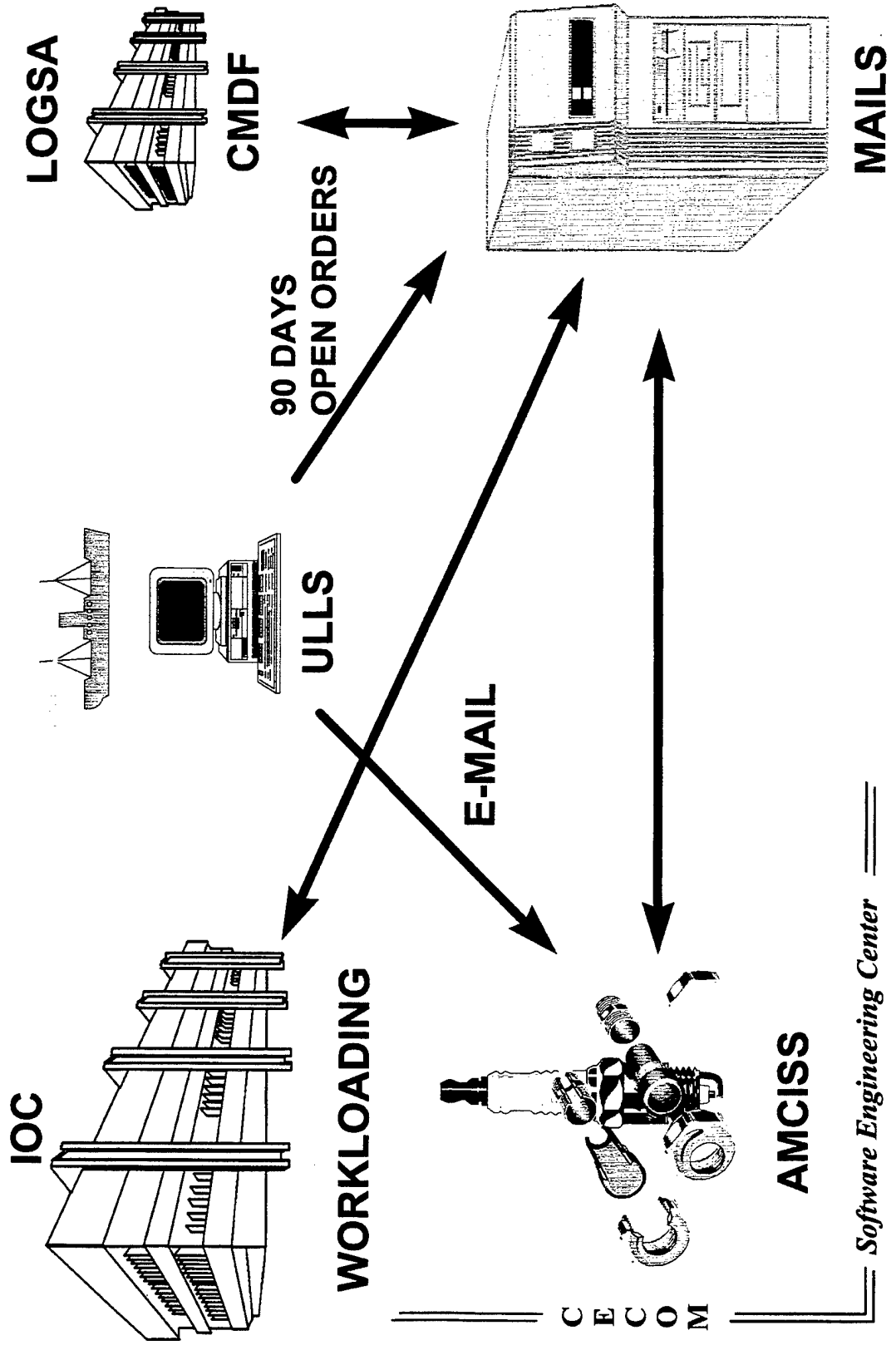
OVERSEAS CUSTOMERS:

- ☆ HYTHE, ENG.
- ☆ CEB-SO, ITALY
- ☆ CEG-E, BENELUX

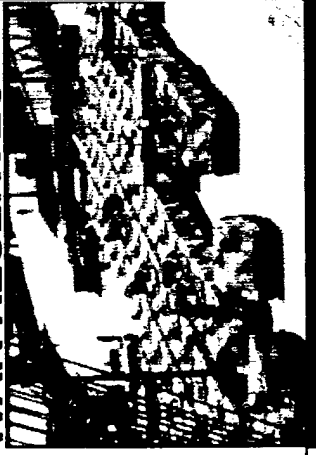
DEPOT MAINTENANCE MANAGEMENT SYSTEM SYSTEM END STATE



MAILS EXTERNAL INTERFACES



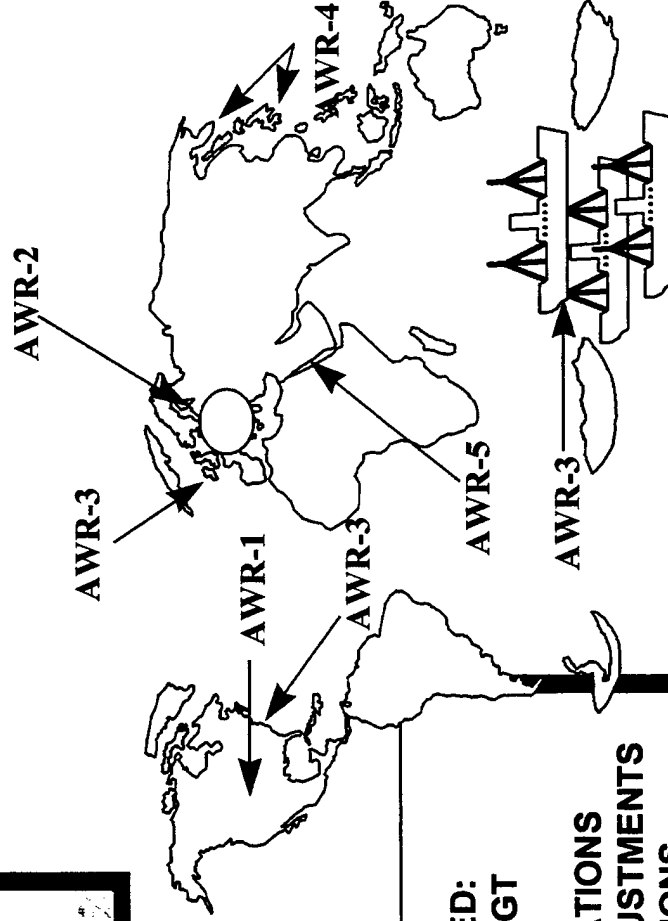
STRATEGIC STOCK/ WAR RESERVES



STRATEGIC STOCK/ WAR RESERVES

ARMY WR REGIONS

- AR1 - CONUS
ARMY SUPPLY
DEPOTS
- AR2 - EUROPE
 - LUXEMBOURG
 - NETHERLANDS
 - BELGIUM
 - HYTHE, ENGLAND
 - LIVORNO, ITALY
 - MIESAU, GERMANY
 - KAISERSLAUTERN, GERMANY
- AR3 - PREPO SHIPS
 - CHARLESTON, SC
 - 14 SHIPS
 - DIEGO GARCIA
 - GUAM
- AR4 - KOREA/PACIFIC
 - CAMP CARROLL, KOREA
 - SAGAMI, JAPAN
- AR5 - QATAR/KUWAIT



FUNCTIONS SUPPORTED:

- MAINTENANCE MGT
- CATALOGING
- RECEIVING/LOCATIONS
- INVENTORY/ADJUSTMENTS
- CYCLIC INSPECTIONS
- TURN-IN SCREENING
- ISSUE/SHIPPING
- PROPERTY ACCOUNTABILITY

ILSC ... SUPPORTING CRITICAL ARMY MISSIONS!

Software Engineering Center

STANDARD SYSTEMS SUPPORTING ARMY WAR RESERVES

WHOLESALE ASSET
ACCOUNTABILITY/DISTRIBUTION



CEG-E

CEG-A

PREPO FLEET (14)

AWR-5 (+)

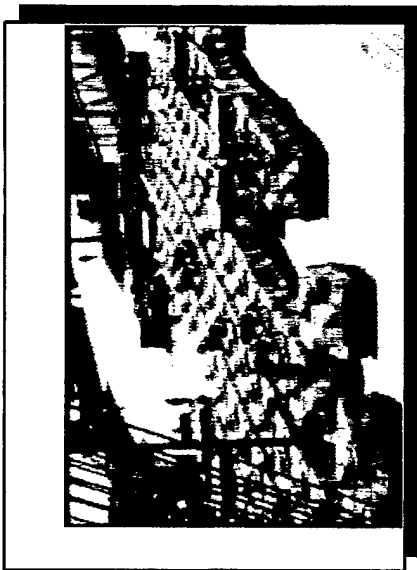
MAINTENANCE MGT



2 SITES (+)

Software Engineering Center

AWR WORLD-WIDE MISSION



RETAIL SUPPLY/FINANCIAL
ACCOUNTABILITY/MGT



3 SITES

INSTALLATION PROPERTY
ACCOUNTABILITY



9 SITES

+ = FUTURE GROWTH

E C O M

STRATEGIC STOCKS/WAR RESERVES INTERFACES

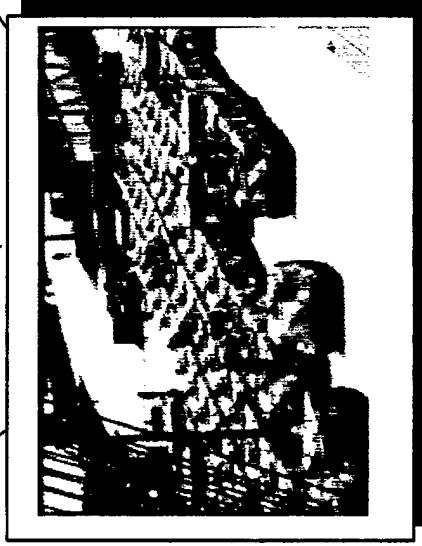
COMMODITY COMMAND
STANDARD SYSTEM

STANDARD ARMY
RETAIL SUPPLY
SYSTEM-OBJECTIVE

TOTAL ASSET
VISIBILITY

STANDARD ARMY
INTERMEDIATE
LEVEL SUPPLY SYSTEM

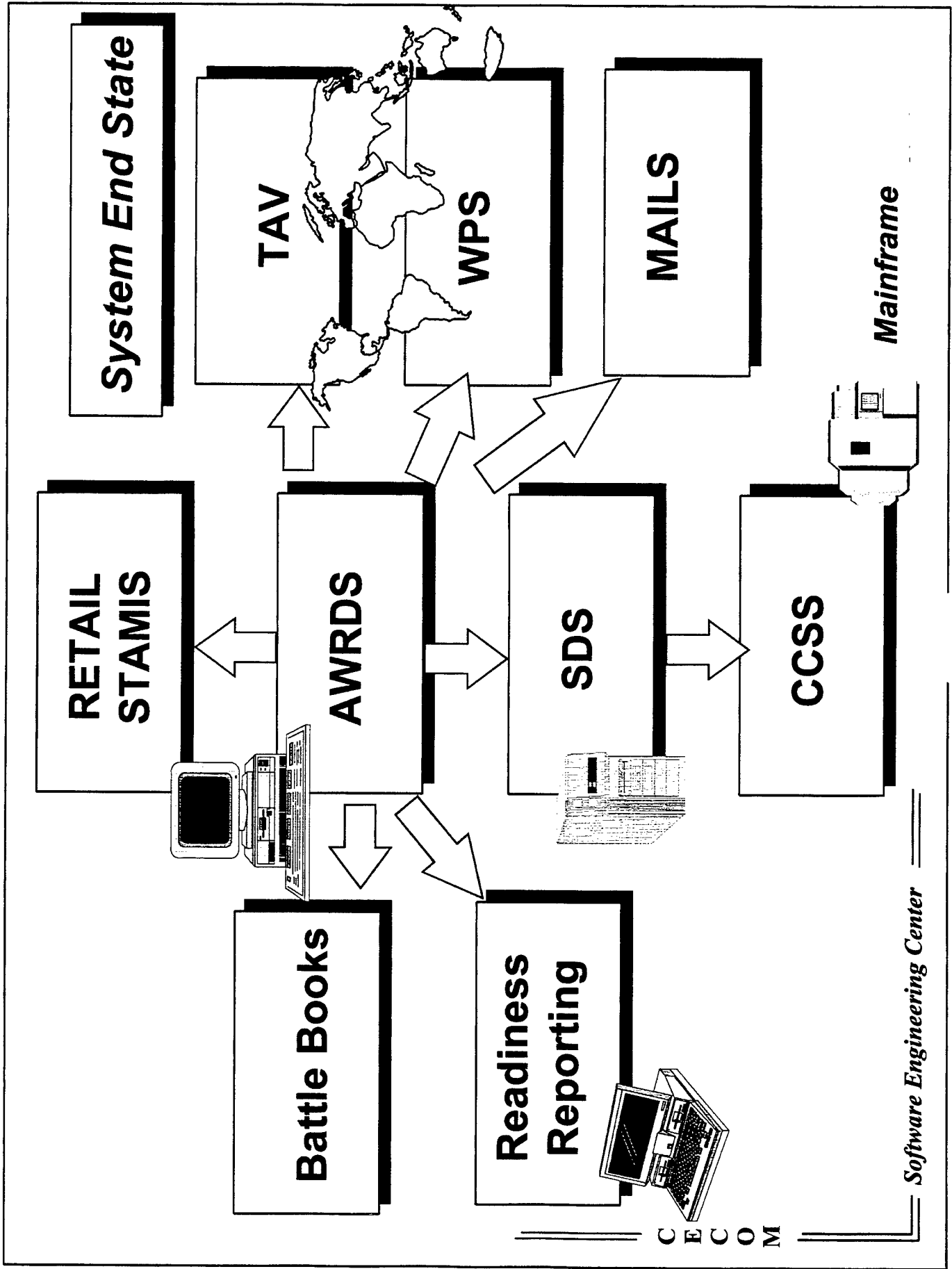
AWR DEPLOYMENT
SYSTEM



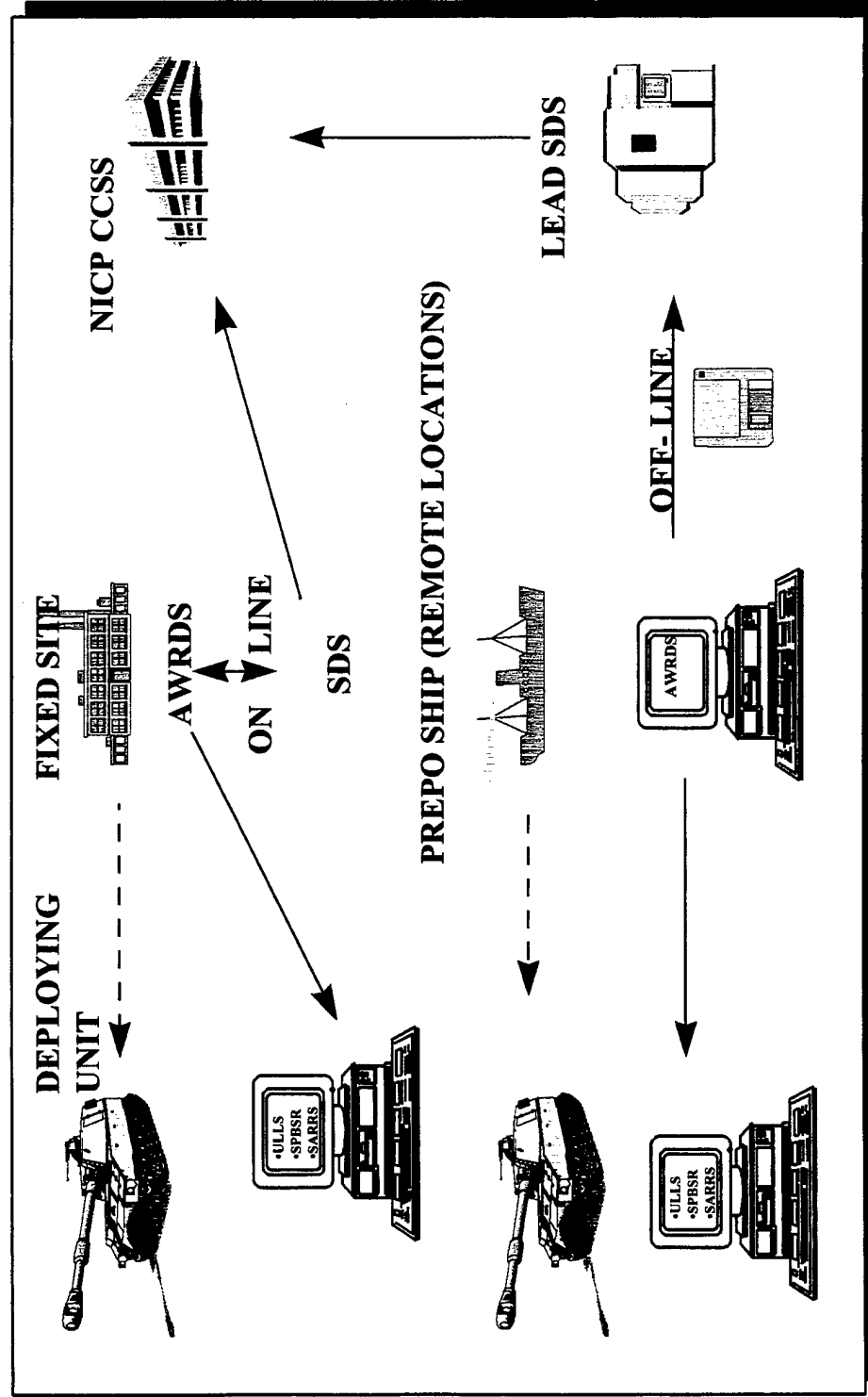
ARMY MATERIEL
COMMAND INSTALLATION
SUPPLY SYSTEM

C E C O M

Software Engineering Center

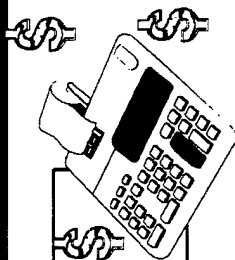


SDS & AWRDS DEPLOYMENT SUPPORT

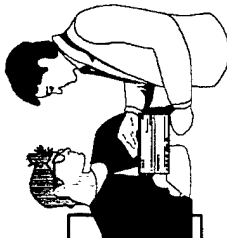


RESOURCE SYSTEMS

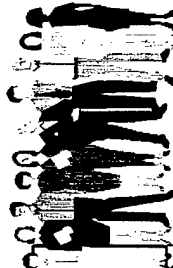
SIFS



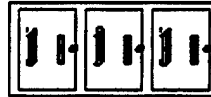
ATAAPS



AAMMIS

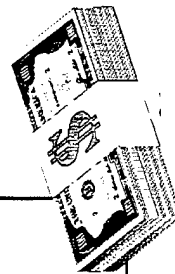
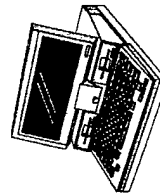


~~RASPARS~~



X = ELIMINATION OF
SYSTEMS

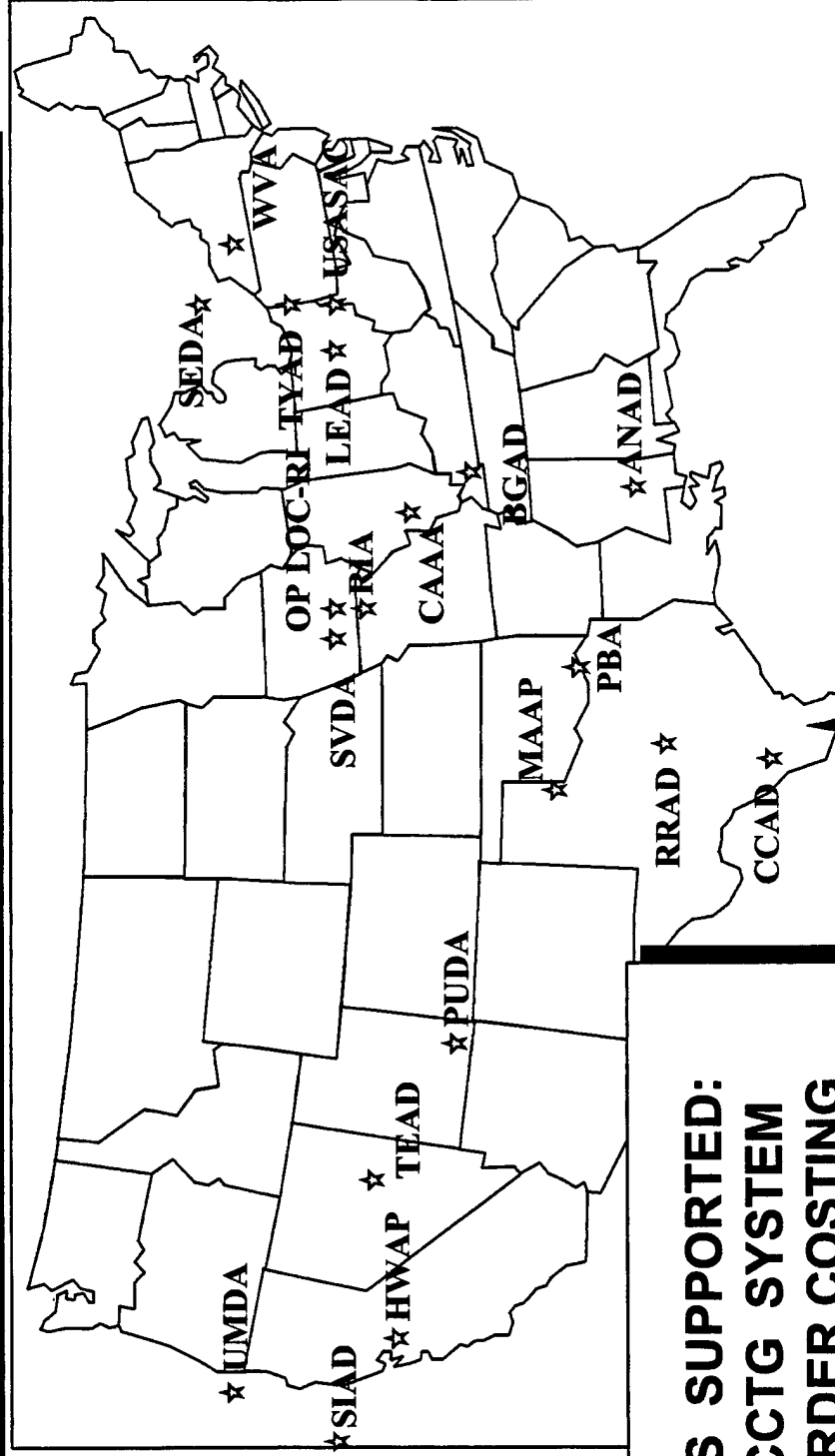
~~AFTS~~



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STANDARD INDUSTRIAL FUND SYSTEM (SIFS)

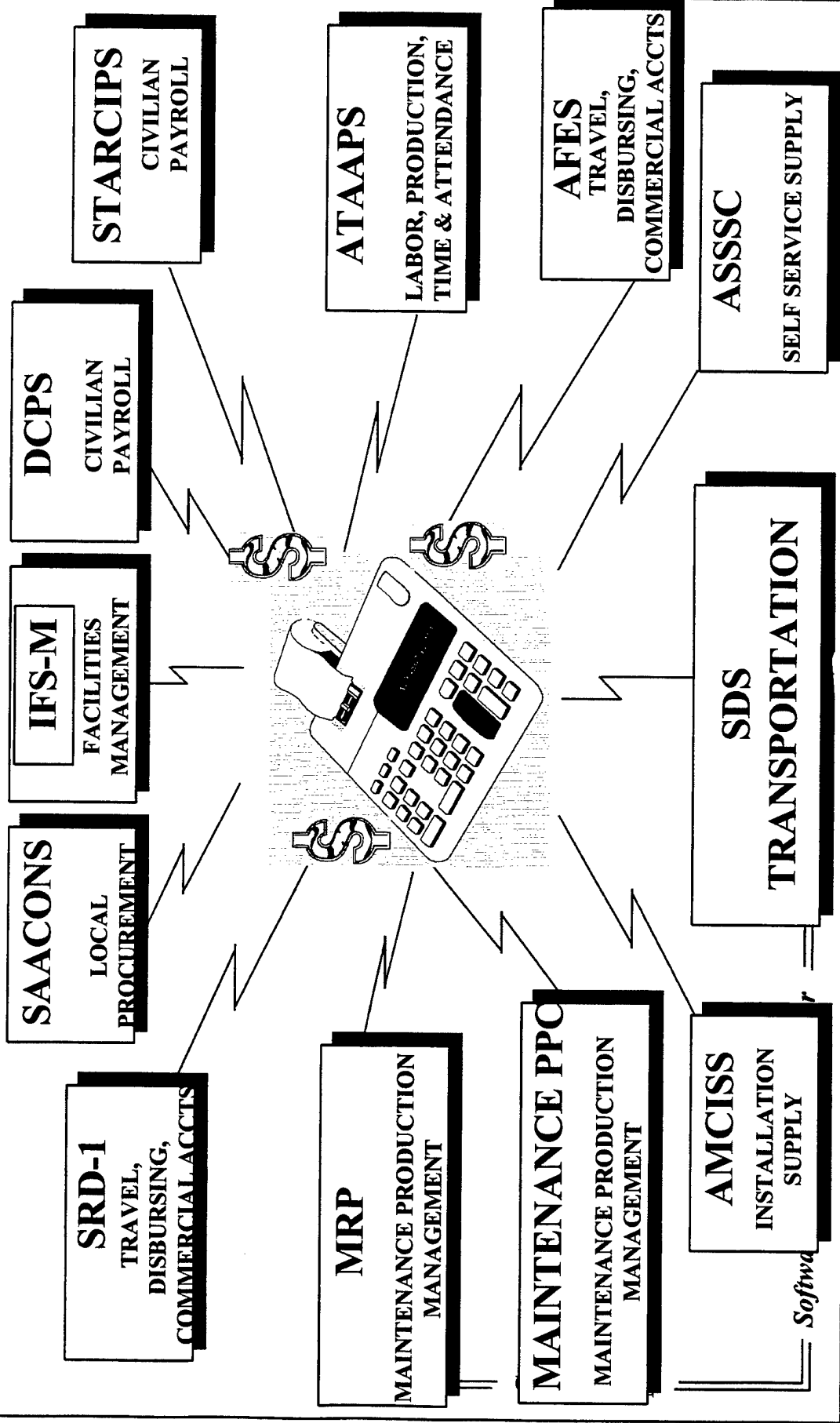


FUNCTIONS SUPPORTED:

- DBOF ACCTG SYSTEM
- JOB ORDER COSTING
- GENERAL FUND ACCTG
- FIN INVENTORY ACCTG
- METHODS & STANDARDS
- OPERATING BUDGET

**19
CURRENT
SITES**

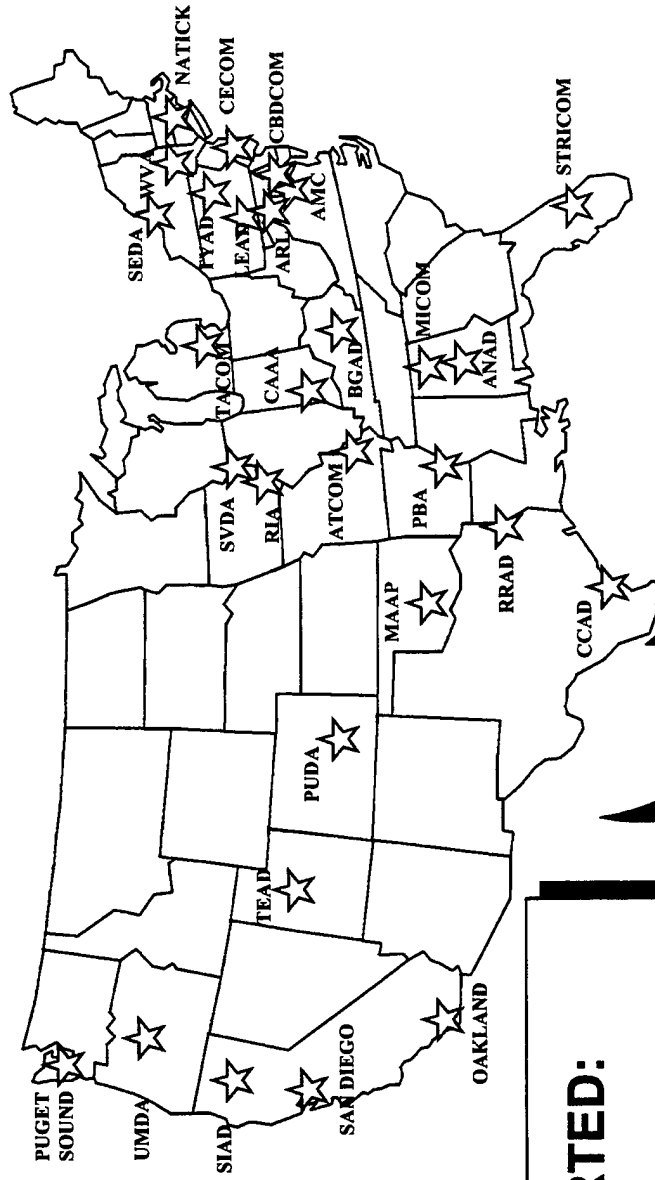
SIFS INTERFACES



FINANCIAL & MPWR MANAGEMENT



AUTOMATED TIME AND ATTENDANCE PRODUCTION SYSTEM (ATAAPS)



FUNCTIONS SUPPORTED:

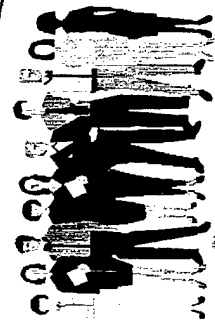
- TIME & ATTENDANCE
- LABOR & PRODUCTION
- INTERFACE WITH DEFENSE
CIVILIAN PAY SYSTEM

- 109,475 PAYROLL
ACCOUNTS
- 86 CURRENT SITES

Software Engineering Center

SINGLE SOURCE INPUT METHODOLOGY

ENSURES ACCURATE DATA PASSED
FIRST TIME, EVERY TIME



EMPLOYEE



ATAAPS

DATA COLLECTOR



PROVIDES VALIDATED/EDITED
LABOR & PRODUCTION DATA

TIMEKEEPER



FACILITIES
ENGINEER

MAINTENANCE
RESOURCE
PLANNING

PRODUCTIVITY
METHODS &
STANDARDS

COST
ACCOUNTING
L&P

STANDARD
PAYROLL
T&A

ELIMINATES

RECONCILIATION OF SYSTEMS AND
MAKES MORE EFFICIENT USE OF RESOURCES

Software Engineering

ATAAPS INTERFACES

SOMARDS
OMA
ACCOUNTING

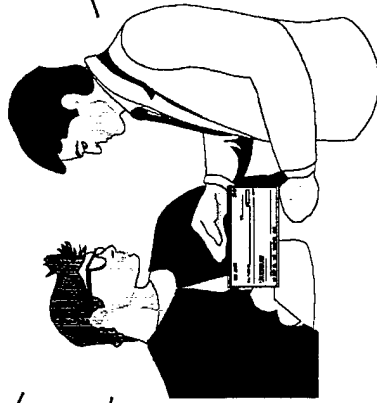
TAPS (ATCOM)
MANAGEMENT
INFORMATION

IFS-M
FACILITIES
MANAGEMENT

DCPS
CIVILIAN
PAYROLL

DSFS (RIA)
MAINTENANCE
PRODUCTION
MANAGEMENT

STARCIPS
CIVILIAN
PAYROLL



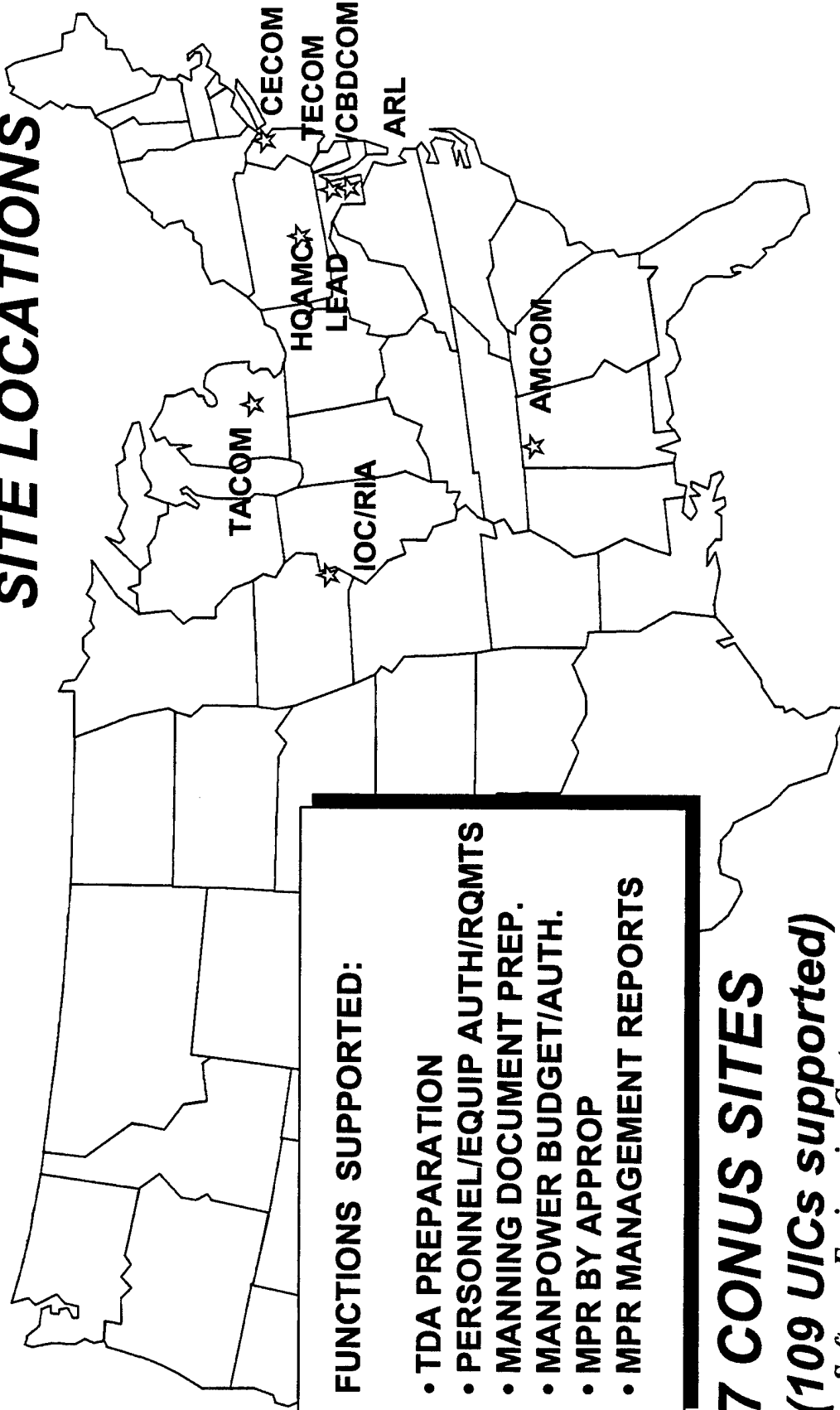
SIFS
DBOF ACCOUNTING
AND BUDGET

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AMC AUTOMATED MANPOWER MANAGEMENT INFORMATION SYSTEM (AAMMIS) CUSTOMER BASE

SITE LOCATIONS



FUNCTIONS SUPPORTED:

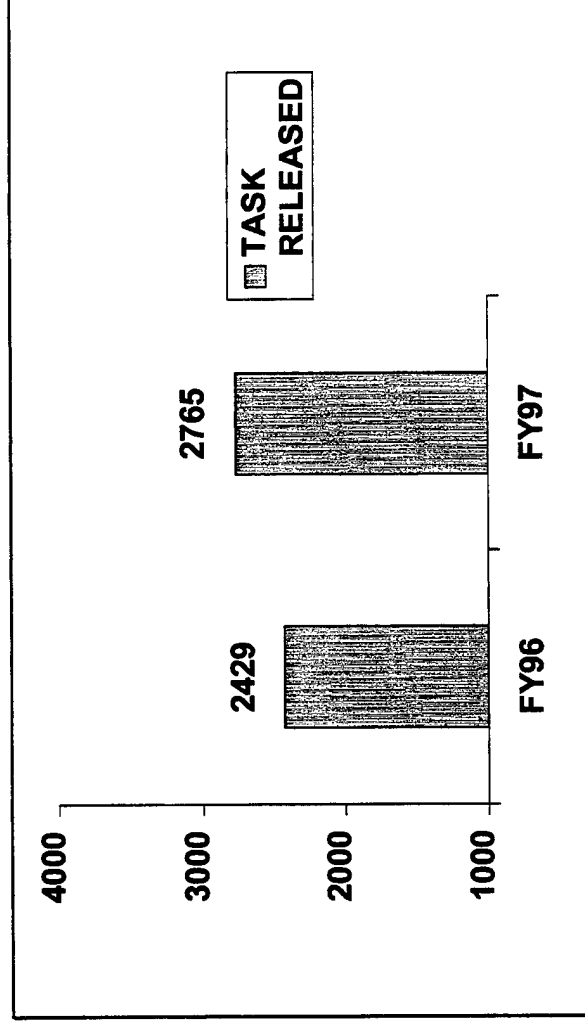
- TDA PREPARATION
- PERSONNEL/EQUIP AUTH/RQMTS
- MANNING DOCUMENT PREP.
- MANPOWER BUDGET/AUTH.
- MPR BY APPROV
- MPR MANAGEMENT REPORTS

7 CONUS SITES

(109 UICs supported)

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CHANGE MANAGEMENT & DISCIPLINE



- TASK & LINK TEST
- QUALITY REVIEW
- PROTOTYPE
- ELECTRONIC RELEASE
- SOURCE CODE CONTROLLED

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C E C O M

SDS TECHNICAL ARCHITECTURE

	OS	LANG	DBMS	PLATFORM	TRANSACTION PROCESSOR
Ammo	MVS XA OS 390	COBOL 74	DMR & DATACOM	TIER I	CICS
AMCISS	"	"	DMR & DATACOM	"	"
DPAS	HP UNIX	MF COBOL	SUPRA	TIER II	N/A
Point of Sale	UNIX	RM COBOL	N/A	TIER II	N/A
SDS Maintenance	MVS XA OS 390	COBOL 74	DMR	TIER I	CICS
MAILS	AIX	MF COBOL & C	N/A	TIER II	N/A
ARMMIS	AIX	MF COBOL & C	N/A	"	N/A
War Reserves	MVS XA OS 390	COBOL 74	DMR	TIER I	CICS

SDS TECHNICAL ARCHITECTURE (CONTD)

	OS	LANG	DBMS	PLATFORM	TRANSACTION PROCESSOR
SIFS	MVS XA & OS 390	COBOL 74	DMR & DATACOM	TIER I	CICS
ATAAPS	"	"	DMR	"	"
AIOB	UNIX & MVS XA	COBOL	DMR	TIER II	CICS
AAMMIS	UNIX	N/A	INFORMIX	TIER II	N/A
GUI ATAAPS	WIN 95	POWER	ORACLE	TIER II &	GUI
	WIN NT	BUILDER	SYBASE	TIER III	
	UNIX				

SDS MODERNIZATION INITIATIVES

APPLICATIONS	AUTOMATED DATA COLLECTION	GUI/ WINDOWS	RDBMS
DEPOT MAINTENANCE	✓	✓	✓
PROPERTY ACCOUNTABILITY		✓	
AUTOMATED TIME, ATTENDANCE, AND PRODUCTION SYSTEM		✓	✓
AAMMIS (MANPOWER)		✓	

***NOTE: SDS WILL BE COMPLIANT WY2K, 1 OCT 98**



<http://www.issc.army.mil>

- ★ Application Documentation
- ★ PC Training
- ★ Mission/Customer Descriptions
- ★ Phone Directory-

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STANDARD DEPOT SYSTEM ACRONYMS

SDS Acronym	NOTES
AAMMIS	AMC Automated Manpower Management Information System
DCPDS (ACPERS)	Army Civilian Personnel System
AFMIS	Army Food Management Information System
AIRS	AMDF Interrogation & Retrieval System
AMCISS	Army Materiel Command Installation Supply System
AMDF (ACLDDB)	Army Master Data File
AMSS	Ammunition Management Standard System
ARMMIS	Aviation Roundout Maintenance Management Information System
ASRS	Auto Storage & Retrieval System
AWPS	Army Workload Performance System
AWRDS	Army War Reserve Deployment System
CAIMS	Conventional Ammunition Information System
CBS-X	Continuing Balance System
CCSS	Commodity Command Standard System
CDDDB	Central Demand Data Base
CEFMS (Future)	COE Financial Management System (in process)
DBMS	Defense Business Management System
DCPS	Defense Civilian Personnel System
DCS	Data Collection System
DELMARS	Data Element Management/Accounting Reporting System
DODSASP/UIT	DoD Small Arms Registry
DPAS	Defense Property Accountability System
DSACS/WARS	Defense Standard Ammunition Computer System
DSS	DLA Supply System
IFAS	DFAS Financial System
IFS-M	Installation Facility System
IMACS	Interservice Maintenance Accounting Computer System
IOC HAS	Workloading
LIF	Logistics Intelligence File
MAILS	Maintenance Activity Information Logistics Systems

STANDARD DEPOT SYSTEM ACRONYMS

MRDB	Materiel Returns Data Base
MSC	Major Subordinate Command
PBA MRP	Pine Bluff Arsenal Maintenance Resource Planning System
PDMSS	Programmed Depot Maintenance Scheduled System
RIA DSFS/BI	Rock Island Arsenal Distributed Shop Floor System
SAACONS	Standard Army Automated Contracting System
SAILS	Standard Army Intermediate Level Supply
SARSS	Standard Army Retail Supply System
SIFS	Standard Industrial Fund System
SOMARDS	OMA R&D System
SPBS-R	Standard Property Book System
SRD1	DFAS Distribution, Travel, Obligations
TAADS-R	The Army Authorization Documents System
TAMMIS	The Army Medical Management Information System
TAV	Total Asset Visibility
ULLS	Unit Level Logistics System
WVA MRP	Watervliet Arsenal Maintenance Resource Planning

ILSC CUSTOMERS

CUSTOMER SITES	MAJ CMD	DEPOT MAINTENANCE			AMMO MGT	STRATEGIC STOCK/WR	INSTALLATION MANAGEMENT		AMC AUTOMATED MANPOWER MANAGEMENT INFORMATION (AMMMIS)	DFAS PROPERTY ACCOUNT-ABILITY	FINANCIAL MANAGEMENT			
		MAINT DEPOTS	ARMMIS	MAILS			AMC RETAIL STK	SSSC			SIFS	ATAAPS	AFES	RASFIARS
DEFENSE INFORMATION SCHOOL	AFIS									X				
DEFENSE PHOTOGRAPHY SCHOOL	AFIS									X				
DEFENSE VISUAL INFORMATION CENTER	AFIS									X				
AFIS HEADQUARTERS	AFIS									X				
TELEVISION AUDIO SUPPORT ACTIVITY	AFIS									X				
AIRWORTHINESS QUAL TEST DIR (AWTD) (EDWARDS AFB)	AMC									X				
AMC EUROPE	AMC								X					
ARMY MATERIEL SYSTEMS ANALYSIS ACTIVITY	AMC								X	X				
AR RESEARCH OFC, NC	AMC								X	X		X		
AMC HQ	AMC							X	X	X				
EUROPEAN REDISTRIBUTION FACILITY (NABOLLENBACH)	AMC								X					
INSTALLATIONS AND SERVICES ACTY	AMC								X					
LOGISTICS SUPPORT ACTIVITY	AMC								X					
OFC OF PM SAUDI ARABIAN NG MODERIZATION PROG	AMC								X					
MANAGEMENT ENGINEERING ACTY	AMC								X					

ILSC CUSTOMERS

CUSTOMER SITES	MAJ CMD	DEPOT MAINTENANCE			AMMO MGT	STRATEGIC STOCK/WR	INSTALLATION MANAGEMENT		AMC AUTOMATED MANPOWER MANAGEMENT INFORMATION (AAMMIS)	DFAS PROPERTY ACCOUNT - ABILITY	FINANCIAL MANAGEMENT			
		MAINT DEPOTS	ARMMIS	MAILS			AMC RETAIL STK	SSSC			SIFS	ATAAPS	AFES	RASFIARS
OFC OF PM SAUDI ARABIAN NG MODERNIZATION PROG	AMC								X					
AVIATION TECH TEST CEN (FT. RUCKER)	AMC/ FORSCOM								X	X				
ARMY RESEARCH LAB, ADELPHI	AMCOM						X	X	X					
AVIATION RESEARCH AND TECHNOLOGY ACTIVITY	AMCOM						X	X						
CMPCSC	AMCOM					X	X	X	X					
2D MAINTENANCE CO	AMCOM								X					
TMDE CO AUG	AMCOM								X					
95TH MAINTENANCE CO	AMCOM								X					
95TH AUG CO	AMCOM								X					
HQ AMCOM	AMCOM						X	X				X	X	
REDSTONE ARS, NCOM	AMCOM						X	X	X					
REDSTONE TECHNICAL TEST CENTER	AMCOM								X					
TMDE SUPPORT GROUP, REGION 1 CHAMBERSBURG	AMCOM								X					
ARMY RESEARCH LAB, FT. MONMOUTH, NJ (ARL 4)	ARC								X					
SINGLE AGENCY MANAGER, D.C. ARMY									X					

ILSC CUSTOMERS

CUSTOMER SITES	MAJ CMD	DEPOT MAINTENANCE			AMMO MGT	STRATEGIC STOCK/WR	INSTALLATION MANAGEMENT		AMC AUTOMATED MANPOWER MANAGEMENT INFORMATION (AAMMIS)	DFAS PROPERTY ACCOUNT-ABILITY	FINANCIAL MANAGEMENT			
		MAINT DEPOTS	ARMWIS	MAILS			AMC RETAIL STK	SSSC			SIFS	ATAAPS	AFES	RASFIARS
GENERAL MATERIEL AND PETROLEUM ACTIVITY	AWRSC							X						
EYGELSHOVEN, NETH (CEG-E)	AWRSC					X	X			X				
ZUTENDAAL, BELGIUM	AWRSC					X				X				
KAISERSLAUTERN, GE	AWRSC					X								
HYTHE DEPOT ACTIVITY, ENG	AWRSC					X	X							
MIESAU, GE	AWRSC					X								
BETTEMBOURG, LUX	AWRSC					X				X				
BRUNSSUM, NETH	AWRSC					X				X				
KERKRADE, NETH	AWRSC									X				
COEVORDEN, NETH	AWRSC					X				X				
VRIEZENVEEN, NETH	AWRSC					X				X				
NLPOMS (CONTRACTOR)	AWRSC									X				
AMERICAN CORMORANT	AWRSC					X								
CAMP DABBY, ITALY (CEB-SO)	AWRSC					X								
CAPE DECISION	AWRSC					X								

ILSC CUSTOMERS

CUSTOMER SITES	MAJ CMD	DEPOT MAINTENANCE			AMMO MGT	STRATEGIC STOCK/WR	INSTALLATION MANAGEMENT		AMC AUTOMATED MANPOWER MANAGEMENT INFORMATION (AAMMIS)	DFAS PROPERTY ACCOUNT-ABILITY	FINANCIAL MANAGEMENT			
		MAINT DEPOTS	ARMMIS	MAILS			AMC RETAIL	SSC			SIFS	ATAAPS	AFES	RASFIARS
CAPE DOUGLAS	AWRSC					X								
CAPE HENRY	AWRSC					X								
COMBAT EQUIPMENT BASE - AFLOAT (CEB-AF), CHARLESTON	AWRSC			X		X	X		X					
SHUGHART	AWRSC					X								
GORDON	AWRSC					X								
YANO	AWRSC					X								
GILLILAND	AWRSC					X								
CAPE HORN	AWRSC					X								
CAPE HUDSON	AWRSC					X								
CAPE WASHINGTON	AWRSC					X								
CAPE WRATH	AWRSC					X								
GOPHER STATE	AWRSC					X								
GREEN HARBOUR	AWRSC					X								
GREEN VALLEY	AWRSC					X								
JEB STUART	AWRSC					X								

ILSC CUSTOMERS

CUSTOMER SITES	MAJ CMD	DEPOT MAINTENANCE			AMMO MGT	STRATEGIC STOCK/WR	INSTALLATION MANAGEMENT		AMC AUTOMATED MANPOWER MANAGEMENT INFORMATION (AAMMIS)	DFAS PROPERTY ACCOUNT-ABILITY	FINANCIAL MANAGEMENT			
		MAINT DEPOTS	ARMIS	MAILS			AMC RETAIL STK	SSSC			SIFS	ATAAPS	AFES	PASFIARS
LTC TITUS	AWRSC					X								
SP5 GIBSON	AWRSC					X								
KUWAIT	AWRSC					X								
QATAR	AWRSC					X								
CAMP CARROLL, WAEGWAN	AWRSC/EUSA					X		X						
CAMP HIALEAH, PUSAN	AWRSC/EUSA					X		X						
SAGAMI AD, JAPAN	AWRSC/USARJ					X								
CHEMICAL RESEARCH DEVELOPMENT & ENG	CBD COM													
ARMY CHEMICAL AGENT MUNITIONS, TOOELE, UT	CBD COM								X	X				
PM CHEMICAL DEMILITARIZATION (W27p60)	CBD COM													
ROCKY MOUNTAIN ARS	CBD COM					X	X		X					
TECHNICAL ESCORT UNIT	CBD COM								X					
CHEMICAL RESEARCH DEVELOPMENT & ENG	CBD COM							X						
OPC OF THE PM FOR NUCLEAR MUNITIONS	CBD COM							X						
PM CHEMICAL DEMILITARIZATION	CBD COM							X						

ILSC CUSTOMERS

CUSTOMER SITES	MAJ CMD	DEPOT MAINTENANCE			AMMO MGT	STRATEGIC STOCK/WR	INSTALLATION MANAGEMENT		AMC AUTOMATED MANPOWER MANAGEMENT INFORMATION (AAMMIS)	DFAS PROPERTY ACCOUNT-ABILITY	FINANCIAL MANAGEMENT			
		MAINT DEPOTS	ARMMIS	MAILS			AMC RETAIL STK	SSSC			SIFS	ATAAPS	AFES	RASFIARS
AESB, LAKEHURST, NJ	CECOM								X					
COMMUNICATIONS SECURITY LOGISTICS ACT	CECOM									X				
USA GARRISON, VINT HILL FARMS STATION	CECOM								X					
HQ CECOM	CECOM					X		X	X		X	X	X	
IEWD (VINT HILL FARMS)	CECOM								X					
IMMC (VINT HILL FARMS)	CECOM								X					
NIGHT VIS ELEC OPT LAB (FT. BELVOIR)	CECOM								X					
VINT HILL FARMS STATION	CECOM					X		X						
INDUSTRIAL LOGISTICS SYSTEMS CENTER	CECOM							X						
BETTEMBOURG, LUX	CEG-E					X				X				
BRUNSSUM, NETH	CEG-E					X				X				
KERKRADE, NETH WODA24	CEG-E									X				
COEVORDEN, NETH	CEG-E					X				X				
VRIEZENVEEN, NETH	CEG-E					X				X				
NASHVILLE	COE							X						

ILSC CUSTOMERS

CUSTOMER SITES	MAJ CMD	DEPOT MAINTENANCE			AMMO MGT	STRATEGIC STOCK/WR	INSTALLATION MANAGEMENT		AMC AUTOMATED MANPOWER MANAGEMENT INFORMATION (AAMMIS)	DFAS PROPERTY ACCOUNT - ABILITY	FINANCIAL MANAGEMENT			
		MAINT DEPOTS	ARMMIS	MAILS			AMC RETAIL STK	SSSC			STFS	ATAAPS	AFES	RASFIARS
NAT RES DEV & ENGR CTR	COE								X		X			
WEST POINT MIL ACADEMY	CONSOL PBO								X					
DECA SOUTHERN	DECA									X				
DECA OPERATIONS CENTER	DECA									X				
DECA HEADQUARTERS	DECA									X				
DECA CENTRAL REGION	DECA									X				
DECA EUROPE (KAPUAN GERMANY)	DECA									X				
DECA MID WEST REGION	DECA									X				
DECA NORTH EAST REGION	DECA									X				
DECA NORTH WEST PACIFIC REGION HQ	DECA									X				
DECA SOUTH WEST REGION	DECA									X				
DFAS-CLEVELAND	DFAS									X				
DFAS-COLUMBUS	DFAS									X				
DFAS-DENVER	DFAS									X				
DFAS-FSA PENSACOLA	DFAS									X				

ILSC CUSTOMERS

CUSTOMER SITES	MAJ CMD	DEPOT MAINTENANCE			AMMO MGT	STRATEGIC STOCK/WR	INSTALLATION MANAGEMENT		AMC AUTOMATED MANPOWER MANAGEMENT INFORMATION (AMMIS)	DFAS PROPERTY ACCOUNT-ABILITY	FINANCIAL MANAGEMENT			
		MAINT DEPOTS	ARMIS	MAILS			AMC RETAIL STK	SSSC			SIFS	ATAAPS	AFES	PASFIARS
DFAS-HQ	DFAS									X				
DFAS-INDIANAPOLIS	DFAS									X				
DFAS-KANSAS CITY	DFAS									X				
OPLOC CHARLESTON	DFAS											X		
OPLOC DAYTON	DFAS											X		
OPLOC HONOLULU	DFAS											X		
OPLOC LAWTON	DFAS											X		
OPLOC LIMESTONE	DFAS											X		
OPLOC NORFOLK	DFAS											X		
OPLOC OAKLAND	DFAS											X		
OPLOC OMAHA	DFAS											X		
OPLOC ORLANDO	DFAS											X		
OPLOC PENSACOLA	DFAS											X		
OPLOC ROCK ISLAND	DFAS											X		
OPLOC ROME	DFAS											X		

ILSC CUSTOMERS

CUSTOMER SITES	MAJ CMD	DEPOT MAINTENANCE			AMMO MGT	STRATEGIC STOCK/WR	INSTALLATION MANAGEMENT		AMC AUTOMATED MANPOWER MANAGEMENT INFORMATION (AAMMIS)	DFAS PROPERTY ACCOUNT - ABILITY	FINANCIAL MANAGEMENT			
		MAINT DEPOTS	AAMMIS	MAILS			AMC RETAIL STK	SSSC			SIFS	ATAAPS	AFES	RASFIARS
OPLOC SAN ANTONIO	DFAS											X		
OPLOC SAN BERNADINO	DFAS											X		
OPLOC SAN DIEGO	DFAS											X		
OPLOC SEASIDE	DFAS											X		
OPLOC ST. LOUIS	DFAS											X		
HQ CLEVELAND CENTER	DFAS											X		
HQ COLUMBUS CENTER	DFAS											X		
DFAS HQ DENVER CENTER	DFAS											X		
HQ INDIANAPOLIS CENTER	DFAS											X		
HQ KANSAS CITY CENTER	DFAS											X		
HQ FSO	DFAS											X		
DFAS FSA	DFAS											X		
DFAS PSO	DFAS											X		
SLIDELL (H98338)	DISA									X				
ACOM (HC1033)	DISA									X				

ILSC CUSTOMERS

CUSTOMER SITES	MAJ CMD	DEPOT MAINTENANCE			AMMO MGT	STRATEGIC STOCK/WR	INSTALLATION MANAGEMENT		AMC AUTOMATED MANPOWER MANAGEMENT INFORMATION (AAMMIS)	DFAS PROPERTY ACCOUNT - ABILITY	FINANCIAL MANAGEMENT			
		MAINT DEPOTS	ARMMIS	MAILS			AMC RETAIL STK	SSSC			SIFS	ATAAPS	AFPS	RASFIARS
NCR (HC1001)	DISA									X				
NCU (HC1001)	DISA									X				
FORT HUACHUCA (H91257)	DISA									X				
MACDILL AFB (WIAF9G)	DISA									X				
DISA EUROPE (WHKAA)	DISA, BU									X				
DITCO APO, DCS	DISA, PACIFIC									X				
PEARL HARBOR (HC1029)	DISA, PACIFIC									X				
OKINAWA, DIPC (498324)	DISA, PACIFIC									X				
GUAM FIELD OFFICE (HC002)	DISA, PACIFIC									X				
JAPAN, DIPC (H98279)	DISA, PACIFIC									X				
OKINAWA FIELD OFC (HC1006)	DISA, PACIFIC									X				
DISA - XXX (N90270)	DISA, PACIFIC									X				
KOREA (WT4G77)	DISA, PACIFIC									X				
JAPAN FIELD OFC (HC1011)	DISA, PACIFIC									X				
HQ DISA-FAC (HC1003)	DISA, PACIFIC									X				

ILSC CUSTOMERS

CUSTOMER SITES	MAJ CMD	DEPOT MAINTENANCE			AMMO MGT	STRATEGIC STOCK/WR	INSTALLATION MANAGEMENT		AMC AUTOMATED MANPOWER MANAGEMENT INFORMATION (AAMMIS)	DFAS PROPERTY ACCOUNT-ABILITY	FINANCIAL MANAGEMENT			
		MAINT DEPOTS	ARMIS	MAILS			AMC RETAIL STK	SSSC			SIFS	ATAAPS	AFPS	RASFIARS
DISA SOUTHERN COMMAND (PANAMA)	DISA-SOUTHERN CMD									X				
FT. RITCHIE	DISA-WESTHEIM									X				
DISA HQ DENVER	DISA-WESTHEIM									X				
DMC COLUMBUS (DMCUMA)	DISA-WESTHEIM									X				
DMC DENVER (DMCUMD)	DISA-WESTHEIM									X				
DMC MONTGOMERY (DMCUMG)	DISA-WESTHEIM									X				
DMC HUNTSVILLE (DMCUMH)	DISA-WESTHEIM									X				
DMC JACKSONVILLE (DMCUMJ)	DISA-WESTHEIM									X				
DMC SAN ANTONIO (DMCUMK)	DISA-WESTHEIM									X				
DMC ST LOUIS (DMCUML)	DISA-WESTHEIM									X				
DMC MECHANICSBURG (DMCUMG)	DISA-WESTHEIM									X				
DMC ROCK ISLAND (DMCUMR)	DISA-WESTHEIM									X				
DMC OKLAHOMA CITY (DMCUMT)	DISA-WESTHEIM									X				
DMC SAN DIEGO (DMCUMU)	DISA-WESTHEIM									X				
DMC CHAMBERSBURG (DMCUMV)	DISA-WESTHEIM									X				

ILSC CUSTOMERS

CUSTOMER SITES	MAJ CMD	DEPOT MAINTENANCE			AMMO MGT	STRATEGIC STOCK/WR	INSTALLATION MANAGEMENT		AMC AUTOMATED MANPOWER MANAGEMENT INFORMATION (AAMMIS)	DFAS PROPERTY ACCOUNT-ABILITY	FINANCIAL MANAGEMENT			
		MAINT DEPOTS	ARMIS	MAILS			AMC RETAIL STK	SSSC			SIFS	ATAAPS	AFES	RASFIARS
DMC DAYTON (DMCUMW)	DISA-WESTHEIM									X				
DMC WARNER ROBINS (DMCUMX)	DISA-WESTHEIM									X				
DMC OGDEN (DMCUMY)	DISA-WESTHEIM									X				
DMC SACRAMENTO (DMCUMZ)	DISA-WESTHEIM									X				
DEFENSE ADMIN SPT CTR	DLA									X				
NORTH EAST	DLA									X				
CENTRAL	DLA									X				
SOUTH	DLA									X				
MID-WEST	DLA									X				
EUROPE	DLA									X				
NORTH WEST	DLA									X				
SOUTHWEST	DLA									X				
DEFENSE COMMISSARY AGENCY	DLA									X				
DEFENSE CONTRACT MGT DISTRICT - NE	DLA									X				
DEFENSE CONTRACT MGT DISTRICT - W	DLA									X				

ILSC CUSTOMERS

CUSTOMER SITES	MAJ CMD	DEPOT MAINTENANCE			AMMO MGT	STRATEGIC STOCK/WR	INSTALLATION MANAGEMENT		AMC AUTOMATED MANPOWER MANAGEMENT INFORMATION (AAMMIS)	DFAS PROPERTY ACCOUNT-ABILITY	FINANCIAL MANAGEMENT			
		MAINT DEPOTS	ARMMIS	MAILS			AMC RETAIL STK	SSSC			SIFS	ATAAPS	AFES	RASFIARS
DEFENSE DISTRIBUTION REGION EAST	DLA									X				
DEFENSE DISTRIBUTION REGION WEST (SHARPE SITE)	DLA									X				
DEFENSE FUELS SUPPLY CENTER	DLA									X				
DEFENSE GENERAL SUPPLY CENTER	DLA									X				
DEFENSE INDUSTRIAL SPT CTR	DLA									X				
DEFENSE LOGISTICS SERVICE CENTER HQ	DLA									X				
DEFENSE NATIONAL STOCKPILE CTR	DLA									X				
DEFENSE PERSONNEL SUPPORT CENTER	DLA									X				
DEFENSE REUTILIZATION AND MARKETING SERVICE	DLA									X				
DEFENSE SUPPLY CENTER COLUMBUS & DESC	DLA									X				
DEFENSE TECH INSTITUTE CTR	DLA									X				
DEFENSE SYSTEMS DESIGN CTR	DLA									X				
DEFENSE NATIONAL IMAGERY & MAPPING AGENCY	DM									X				
AMC HQ	DSS-W							X	X	X				
HOFFMAN BLDG II (RM GS-19)	DSS-W							X						

ILSC CUSTOMERS

CUSTOMER SITES	MAJ CMD	DEPOT MAINTENANCE			AMMO MGT	STRATEGIC STOCK/WR	INSTALLATION MANAGEMENT		AMC AUTOMATED MANPOWER MANAGEMENT INFORMATION (AAMMIS)	DFAS PROPERTY ACCOUNT-ABILITY	FINANCIAL MANAGEMENT			
		MAINT DEPOTS	ARMIS	MAILS			AMC RETAIL STK	SSSC			SIFS	ATAAPS	AFES	RASFIARS
KINGMAN BLDG 2593 (RM S-2)	DSS-W							X						
NASSIF BLDG (RM 219)	DSS-W							X						
PNT (RM 1E700)	DSS-W							X						
PNT (RM 3C157)	DSS-W							X						
PNT (RM 4A, 3&4 CORR)	DSS-W							X						
PULASKI BLDG (RM 1123)	DSS-W							X						
SKYLINE 6 (RM 311)	DSS-W							X						
PARK CENTER	DSS-W							X						
FT. BELVOIR	DSS-W							X						
ROSSLYN	DSS-W							X						
EXECUTIVE DIRECTOR F/CONVENTIONAL AMMUNITION	EDCA								X					
FT. HOOD	FORSOM								X					
CENTRAL AMMUNITION MANAGEMENT OFFICE PACIFIC	IOC								X					
DEFENSE AMMUNITION CENTER AND SCHOOL	IOC								X					
ALABAMA AAP	IOC								X					

ILSC CUSTOMERS

CUSTOMER SITES	MAJ CMD	DEPOT MAINTENANCE			AMMO MGT	STRATEGIC STOCK/WR	INSTALLATION MANAGEMENT		AMC AUTOMATED MANPOWER MANAGEMENT INFORMATION (AAMMIS)	DFAS PROPERTY ACCOUNT-ABILITY	FINANCIAL MANAGEMENT			
		MAINT DEPOTS	ARMMIS	MAILS			AMC RETAIL STK	SSSC			SIFS	ATAAPS	AFES	RASFIARS
ANAD	IOC	X			X		X	X		X	X	X		
BADGER AAP	IOC								X					
BLUEGRASS AD	IOC				X	X	X	X	X	X	X	X		
CHEMICAL RD&EC	IOC								X					
CORNHUSKER AAP	IOC								X					
CORPUS CHRISTI AD	IOC	X					X		X	X	X	X		
CRANE AAP	IOC	X			X	X	X		X	X	X	X		
HAWTHORNE AD	IOC				X	X	X		X		X			
HOLSTON AAP	IOC								X					
HYTHE DA	IOC			X		X	X		X	X				
INDIANA AAP	IOC								X					
IOWA AAP	IOC								X					
JOLIET AAP	IOC								X					
KANSAS AAP	IOC								X					
LAKE CITY AAP	IOC				X	X			X					

ILSC CUSTOMERS

CUSTOMER SITES	MAJ CMD	DEPOT MAINTENANCE			AMMO MGT	STRATEGIC STOCK/WR	INSTALLATION MANAGEMENT		AMC AUTOMATED MANPOWER MANAGEMENT INFORMATION (AAMMIS)	DFAS PROPERTY ACCOUNT-ABILITY	FINANCIAL MANAGEMENT			
		MAINT DEPOTS	ARMIS	MAILS			AMC RETAIL STK	SSSC			SIFS	ATAAPS	AFPS	RASFIARS
LEGHORN DA	IOC			X	X	X			X					
LETTERKENNY AD	IOC	X			X		X		X	X	X	X		
LONE STAR AAP	IOC								X					
LONGHORN AAP	IOC								X					
LOUISIANA AAP	IOC								X					
MCLESTER AAP	IOC	X			X	X	X	X	X	X	X	X		
MILAN AAP	IOC								X					
MISSISSIPPI AAP	IOC								X					
PINE BLUFF ARS	IOC						X	X	X	X	X	X		
PUEBLO DA	IOC				X	X	X	X	X		X	X		
RADFORD AAP	IOC								X					
RAVENNA AAP	IOC								X					
RED RIVER AD	IOC	X			X		X	X	X	X	X	X		
RIVERBANK AAP	IOC								X					
ROCK ISLAND ARS	IOC					X	X	X	X	X	X	X		

ILSC CUSTOMERS

CUSTOMER SITES	MAJ CMD	DEPOT MAINTENANCE			AMMO MGT	STRATEGIC STOCK/WR	INSTALLATION MANAGEMENT		AMC AUTOMATED MANPOWER MANAGEMENT INFORMATION (AAMMIS)	DFAS PROPERTY ACCOUNT-ABILITY	FINANCIAL MANAGEMENT			
		MAINT DEPOTS	ARMIS	MAILS			AMC RETAIL STK	SSSC			SIFS	ATAAPS	AFES	RASFIARS
SAVANNA DA	IOC				X	X	X		X	X	X	X		
SCRANTON AAP	IOC								X					
SENECA DA	IOC				X	X	X	X	X		X	X		
SIERRA AD	IOC				X	X	X	X	X	X	X	X		
SUNFLOWER AAP	IOC								X					
TOBYHANNA AD	IOC	X					X	X	X	X	X	X		
TOOELE AD	IOC				X		X	X	X		X	X		
TWIN CITIES AAP	IOC								X					
UMATILLA DA	IOC				X	X	X	X	X	X	X	X		
VOLUNTEER AAP	IOC								X					
WATERVLIET ARS	IOC					X	X	X	X			X	X	
HQ, U.S. MARINE CORPS	MC									X				
HENDERSON HALL	MC									X				
FISC-NORFOLK	NAVY									X		X		
FISC-SAN DIEGO (FICSSD)	NAVY									X		X		

ILSC CUSTOMERS

CUSTOMER SITES	MAJ CMD	DEPOT MAINTENANCE			AMMO MGT	STRATEGIC STOCK/WR	INSTALLATION MANAGEMENT		AMC AUTOMATED MANPOWER MANAGEMENT INFORMATION (AAMMIS)	DFAS PROPERTY ACCOUNT-ABILITY	FINANCIAL MANAGEMENT			
		MAINT DEPOTS	ARMIS	MAILS			AMC RETAIL STK	SSSC			SIFS	ATAAPS	AFES	RASFIARS
US NAVAL ACADEMY	NAVY									X				
NAVY STRATEGIC SYSTEM PROGRAM	NAVY									X				
NAVAL ACADEMY BOQ	NAVY									X				
NAVY FLEET SURV SPT COMMAND, VA	NAVY									X				
FISC, OAKLAND	NAVY										X			
FISC, PEARL HARBOR	NAVY										X			
FISC, PUGET SOUND	NAVY										X			
FISC, JACKSONVILLE	NAVY										X			
FOSSAC, NORFOLK	NAVY										X			
FMSO, MECHANICSBURG	NAVY										X			
NAVICP, MECHANICSBURG	NAVY										X			
NAVICP, PHILADELPHIA	NAVY										X			
GROTON, CT	NGB		X											
GULFPORT, MS	NGB		X											
AL (MONTGOMERY)	NGB							X						

ILSC CUSTOMERS

CUSTOMER SITES	MAJ CMD	DEPOT MAINTENANCE			AMMO MGT	STRATEGIC STOCK/WR	INSTALLATION MANAGEMENT		AMC AUTOMATED MANPOWER MANAGEMENT INFORMATION (AMMIS)	DFAS PROPERTY ACCOUNT-ABILITY	FINANCIAL MANAGEMENT			
		MAINT DEPOTS	ARMIS	MAILS			AMC RETAIL STK	SSSC			SIFS	ATAAPS	AFES	RASFIARS
AR (LITTLE ROCK)	NGB							X						
AZ (PHOENIX)	NGB							X						
CA (SAN LUIS OBISPO)	NGB							X						
CO (GOLDEN)	NGB							X						
CN (WINSOR LOCKS)	NGB							X						
DC (WASH)	NGB							X						
DE (NEW CASTLE)	NGB							X						
FL (CAMP BLANDING)	NGB							X						
GA (ATLANTA)	NGB							X						
GUAM (N.A.S.)	NGB							X						
HI (HONOLULU)	NGB							X						
IA (JOHNSON)	NGB							X						
ID (BOISE)	NGB							X						
IL (SPRINGFIELD)	NGB							X						
IN (INDIANAPOLIS)	NGB							X						

ILSC CUSTOMERS

CUSTOMER SITES	MAJ CMD	DEPOT MAINTENANCE			AMMO MGT	STRATEGIC STOCK/WR	INSTALLATION MANAGEMENT		AMC AUTOMATED MANPOWER MANAGEMENT INFORMATION (AAMMIS)	DFAS PROPERTY ACCOUNT-ABILITY	FINANCIAL MANAGEMENT			
		MAINT DEPOTS	ARMIS	MAILS			AMC RETAIL STK	SSSC			SIFS	ATAAPS	AFES	PASFIARS
KS (TOPEKA)	NGB							X						
KY (FRANKFURT)	NGB							X						
LA (PINEVILLE)	NGB							X						
ME (AUGUSTA)	NGB							X						
MD (HAVRE DE GRACE)	NGB							X						
MA (NATICK)	NGB							X						
MI (LANSING)	NGB							X						
MN (LITTLE FALLS)	NGB							X						
MS (JACKSON)	NGB							X						
MO (JEFFERSON CITY)	NGB							X						
MT (HELENA)	NGB							X						
NC (RALEIGH)	NGB							X						
ND (BISMARCK)	NGB							X						
NE (LINCOLN)	NGB							X						
NH (CONCORD)	NGB							X						

ILSC CUSTOMERS

CUSTOMER SITES	MAJ CMD	DEPOT MAINTENANCE			AMMO MGT	STRATEGIC STOCK/WR	INSTALLATION MANAGEMENT		AMC AUTOMATED MANPOWER MANAGEMENT INFORMATION (AAMMIS)	DFAS PROPERTY ACCOUNT-ABILITY	FINANCIAL MANAGEMENT			
		MAINT DEPOTS	ARMAMIS	MAILS			AMC RETAIL STK	SSSC			SIFS	ATAAPS	AFES	RASFTARS
NJ (LAWRENCEVILLE)	NGB							X						
NM (SANTE FE)	NGB							X						
NV (CARSON CITY)	NGB							X						
NY (PEEKSKILL)	NGB							X						
OH (NEWARK)	NGB							X						
OK (OK CITY)	NGB							X						
OR (CLACKAMAS)	NGB							X						
PA (ANNVILLE)	NGB							X						
P. R. (FT. BUCHANON)	NGB							X						
RI (PROVIDENCE)	NGB							X						
SC (COLUMBIA)	NGB							X						
SD (RAPID CITY)	NGB							X						
TN (NASHVILLE)	NGB							X						
TX (AUSTIN)	NGB							X						
UT (DRAPER)	NGB							X						

ILSC CUSTOMERS

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		MAINT DEPOTS	ARMIS	MAILS			AMC RETAIL STK	SSSC			SIFS	ATAAPS	AFES	RASFIARS
VA (RICHMOND)	NGB							X						
VT (WINOOSKI)	NGB							X						
WA (TAKOMA)	NGB							X						
WI (CAMP DOUGLAS)	NGB							X						
WV (BUCKHANNON)	NGB							X						
WY (GUERNSEY)	NGB							X						
FRESNO, CA	NGB		X											
SPRINGFIELD, MO	NGB		X											
EDGEWOOD STORAGE ACTIVITY	SATELLITE OF APG						X							
COROSAL MIL COMPLEX	SOUTHCOM							X						
HONDURAS-SOTO CANO AFB	SOUTHCOM							X						
INDUSTRIAL ENGINEERING ACTIVITY	SRA							X						
INSPECTOR GENERAL ACTIVITY	SRA							X						
DIAGNOSTIC EQUIP SPT ACTV - CONUS	SRA							X						
SOLDIER SYS COMMAND	SSCOM							X	X					

ILSC CUSTOMERS

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		MAINT DEPOTS	ARMIS	MAILS			AMC RETAIL STK	SSSC			SIFS	ATAAPS	AFES	PASFIARS
OFC OF THE PM TRAINING DEVICES AND CHEMICAL ACQUISITION AND LOGISTICS ACTIVITY (ACALA)	STRICOM								X					
	TACOM								X					
DETROIT ARSENAL TANK PLANT	TACOM					X			X					
HQ TACOM	TACOM								X	X		X	X	X
ARDEC (PICATINNY ARSENAL)	TACOM					X	X	X	X			X	X	X
OFFICE OF PROJECT MGR LIGHT ARMORED VEHICLES	TACOM								X					
TACOM SUPPORT ACTIVITY SELFRIEDGE	TACOM								X					
TANK AUTOMOTIVE RESEARCH DEV & ENGINEERING CEN	TACOM								X					
CHEM AGEN MUN DISP SYSTEM	TEAD							X						
ABERDEEN PROVING GROUND SUPPORT ACTIVITY	TECOM									X				
ABERDEEN	TECOM						X		X					
WATERTOWN	TECOM							X	X					
GARRISON ABERDEEN PROVING GROUND	TECOM								X					
ABERDEEN PG	TECOM				X		X	X	X				X	X
CRTC (FT. GREELEY)	TECOM									X				

ILSC CUSTOMERS

CUSTOMER SITES	MAJ CMD	DEPOT MAINTENANCE			AMMO MGT	STRATEGIC STOCK/WR	INSTALLATION MANAGEMENT		AMC AUTOMATED MANPOWER MANAGEMENT INFORMATION (AAMMIS)	DFAS PROPERTY ACCOUNT-ABILITY	FINANCIAL MANAGEMENT			
		MAINT DEPOTS	ARMIS	MAILS			AMC RETAIL STK	SSSC			SIFS	ATAAPS	AFES	RASFIARS
ABERDEEN TEST CTR	TECOM								X	X				
DUGWAY PG	TECOM					X	X	X	X	X		X		X
WHITE SANDS MR	TECOM					X	X	X	X			X	X	X
YUMA PG	TECOM					X	X	X	X	X				X
ABERDEEN PG	TECOM										X			
DUGWAY PG	TECOM										X			
YUMA PG	TECOM										X			
WHITE SANDS MR	TECOM										X			
USA TMDE SUPPORT REGION 2 REDSTONE ARSENAL	TMDE SPT ACT							X						
TMDE SUPPORT GROUP, REGION 3 WHITE SANDS	TMDE SPT ACT							X	X					
ARMY RESEARCH LAB ADELPHI	TMDE SPT ACT						X	X						
ALMC (FT. LEE)	TRADOC								X	X				
APPLIED TECH DIR (FT. BUSTIS)	TRADOC							X	X	X		X		
FORT MONMOUTH, NJ	TRADOC						X						X	
MANAGEMENT ENGINEERING COLLEGE	TRADOC							X						

ILSC CUSTOMERS

CUSTOMER SITES	MAJ CMD	DEPOT MAINTENANCE			AMMO MGT	STRATEGIC STOCK/WR	INSTALLATION MANAGEMENT		AMC AUTOMATED MANPOWER MANAGEMENT INFORMATION (AAMMIS)	DFAS PROPERTY ACCOUNT-ABILITY	FINANCIAL MANAGEMENT			
		MAINT DEPOTS	ARMIS	MAILS			AMC RETAIL STK	SSSC			SIFS	ATAAPS	AFES	RASFIARS
CAMP HENRY, TABGU	USAPAC							X						
CAMP HUMPHREYS, PYONGTAEK	USAPAC							X						
CAMP MOBILE, TONGDUCHON	USAPAC							X						
CAMP CASEY	USAPAC							X						
CAMP ZAMA	USAPAC					X		X						
FT. GREELY	USAPAC							X						
FT. SHAFTER	USAPAC					X		X						
FT. WAINWRIGHT	USAPAC							X						
SAGAMI	USAPAC					X								
YONGSAN, SEOUL	USAPAC					X								
HQ USAREUR	USAREUR					X								
AUGSBURG, GE (6TH ASG)	USAREUR							X						
BAD KREUZNACH, GE (53RD ASG)	USAREUR							X						
BAUMHOLDER, GE (53RD ASG)	USAREUR							X						
CHIEVRES, BEL (80TH ASG)	USAREUR							X						

ILSC CUSTOMERS

CUSTOMER SITES	MAJ CMD	DEPOT MAINTENANCE			AMMO MGT	STRATEGIC STOCK/WR	INSTALLATION MANAGEMENT		AMC AUTOMATED MANPOWER MANAGEMENT INFORMATION (AAMMIS)	DFAS PROPERTY ACCOUNT - ABILITY	FINANCIAL MANAGEMENT			
		MAINT DEPOTS	ARMIS	MAILS			AMC RETAIL STK	SSSC			SIFS	ATAAPS	AFES	RASFIARS
HEIDELBERG, GE (26TH ASG)	USAREUR							X						
HOHENFELS, GE (100TH ASG)	USAREUR							X						
KAISERSLAUTERN, GE (29TH ASG)	USAREUR							X						
LIVORNO, IT (104TH ASG)	USAREUR							X						
MANNHEIM, GE (29TH ASG)	USAREUR							X						
RODELHEIM, GE (104TH ASG)	USAREUR							X						
SHINNE, NETH (80TH ASG)	USAREUR							X						
STUTTGART, GE (6TH ASG)	USAREUR							X						
VICENZA, IT (SETAF HQ)	USAREUR							X						
VILSECK, GE (100TH ASG)	USAREUR							X						
WUERZBURG, GE (98TH ASG)	USAREUR							X						
USASAC NEW CUMBERLAND	USASAC									X				
FIELD SERVICES ACTIVITY									X					
OFC OF THE PM FOR NUCLEAR MUNITIONS									X					
PHOS DEV WORKS (MOD)									X					

ILSC CUSTOMERS

CUSTOMER SITES	MAJ CMD	DEPOT MAINTENANCE			AMMO MGT	STRATEGIC STOCK/WR	INSTALLATION MANAGEMENT		AMC AUTOMATED MANPOWER MANAGEMENT INFORMATION (AAMMIS)	DFAS PROPERTY ACCOUNT-ABILITY	FINANCIAL MANAGEMENT			
		MAINT DEPOTS	ARMIS	MAILS			AMC RETAIL STK	SSSC			SIFS	ATAAPS	AFES	RASFIARS
PM CHEMICAL DEMILITARIZATION									X					
POLICE UNIT S									X					
PRODUCTION BASE MODERNIZATION ACTIVITY									X					
SCHOOL OF ENGRNG AND LOGISTICS									X					
SECURITY AFFAIRS COMMAND									X					
TWDE SUPPORT GROUP									X					
WEST POINT MIL ACADEMY								X		X				
WHITE HOUSE COMMO AGY								X						

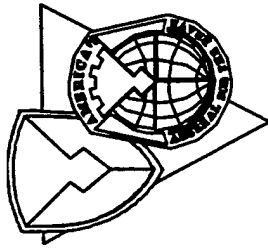
NOTES

**INFORMATION
TECHNOLOGY
TRANSITION ISSUES**

Information Technology
Transition Issues

MR. BRAD BLAU

**SENIOR SYSTEMS ENGINEER
AMC EXECUTIVE AGENT FOR
INFORMATION MANAGEMENT,
INFORMATION SYSTEMS
ENGINEERING COMMAND
CECOM**



ADVANCE PLANNING BRIEFING FOR INDUSTRY

**“LOGISTICS MODERNIZATION
AWARENESS DAY”
INFORMATION TECHNOLOGY
TRANSITION ISSUES**

21 October 1997

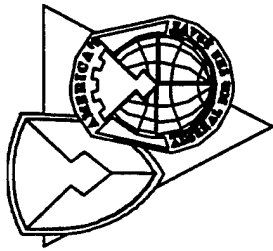
Briefer

Mr. Brad Blau

Senior Systems Engineer

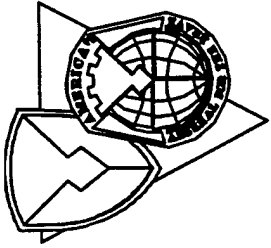
**AMC EXECUTIVE AGENT -
INFORMATION MANAGEMENT
SPECIAL PROJECT OFFICE**

UNCLASSIFIED



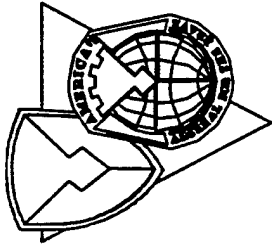
OUTLINE

- **HIGHLIGHT TECHNICAL ISSUES**
 - SECURITY
 - ACCESS
 - ARCHITECTURE
- **RECORD - TRY TO ANSWER YOUR QUESTIONS**

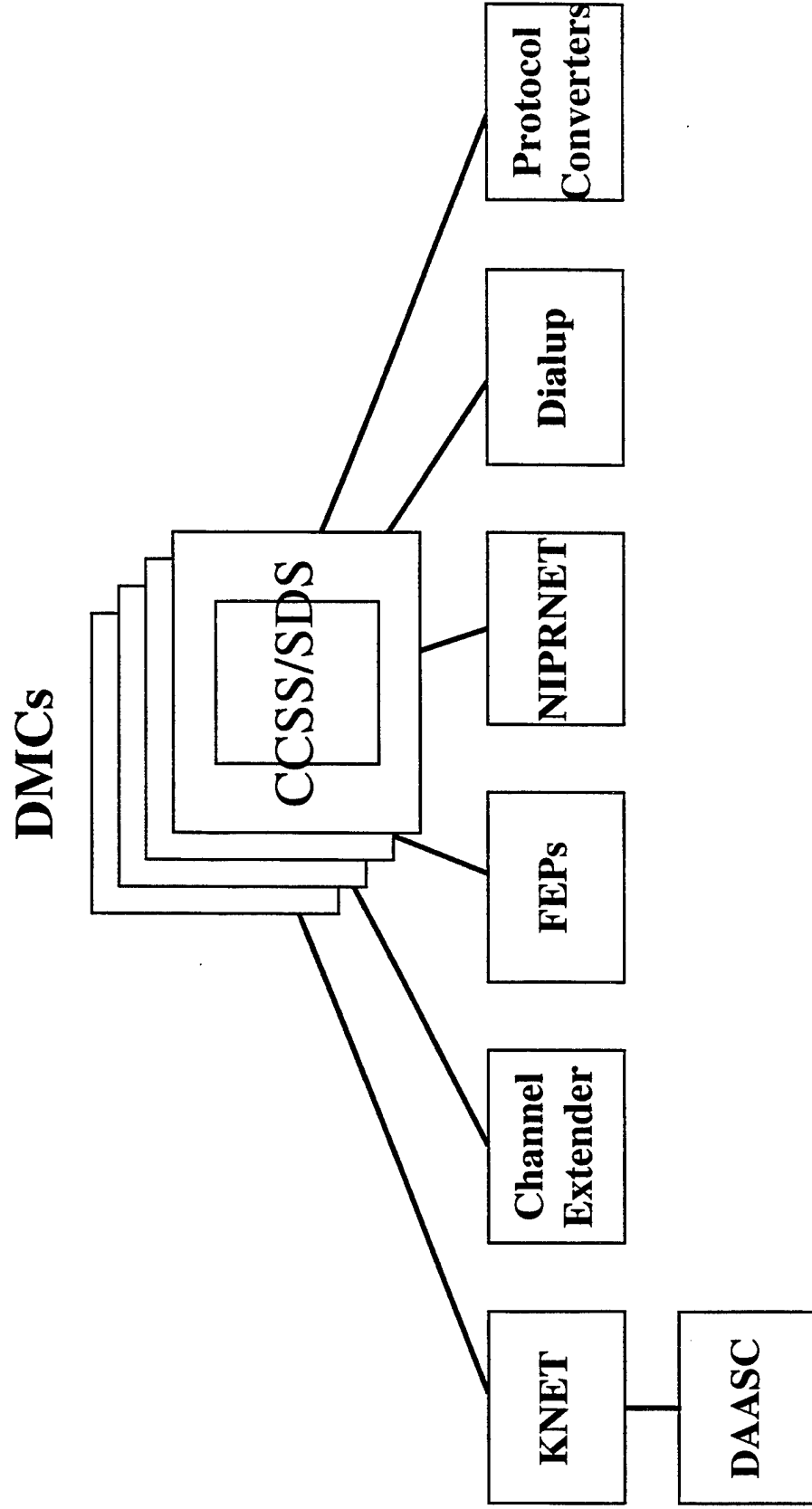


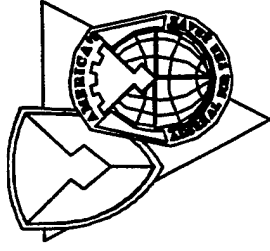
SECURITY

- **ALL PROCESSING IS UNCLASSIFIED**
- **NETWORKS ARE NOT SECURE**
- **DMCs ON MILITARY
INSTALLATIONS (REASONABLE
SECURITY)**



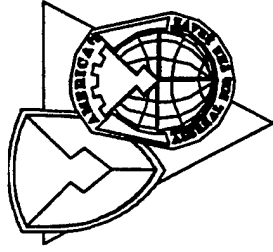
ACCESS TO CCSS/SDS





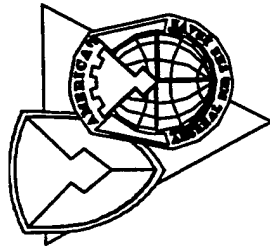
ARCHITECTURE

- PLANS CALL FOR AMC TO FOLLOW THE GUIDELINES OF THE DOD INTEROPERABLE INFORMATION ENVIRONMENT (IIE)



ARCHITECTURE (CONT)

- CHALLENGE
 - MOVE FROM BATCH-ORIENTED LEGACY SYSTEMS TO REAL TIME UPDATES
 - SUPPORT REDESIGN OF FUNCTIONAL PROCESSES (ICS3, DFAS . . .)
 - INTEGRATE WHOLESALE AND RETAIL LOGISTICS (ICS3)



QUESTIONS

- WHAT ARE YOUR QUESTIONS?

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