

**Corporate Information Management
and
The Center for Information Management**

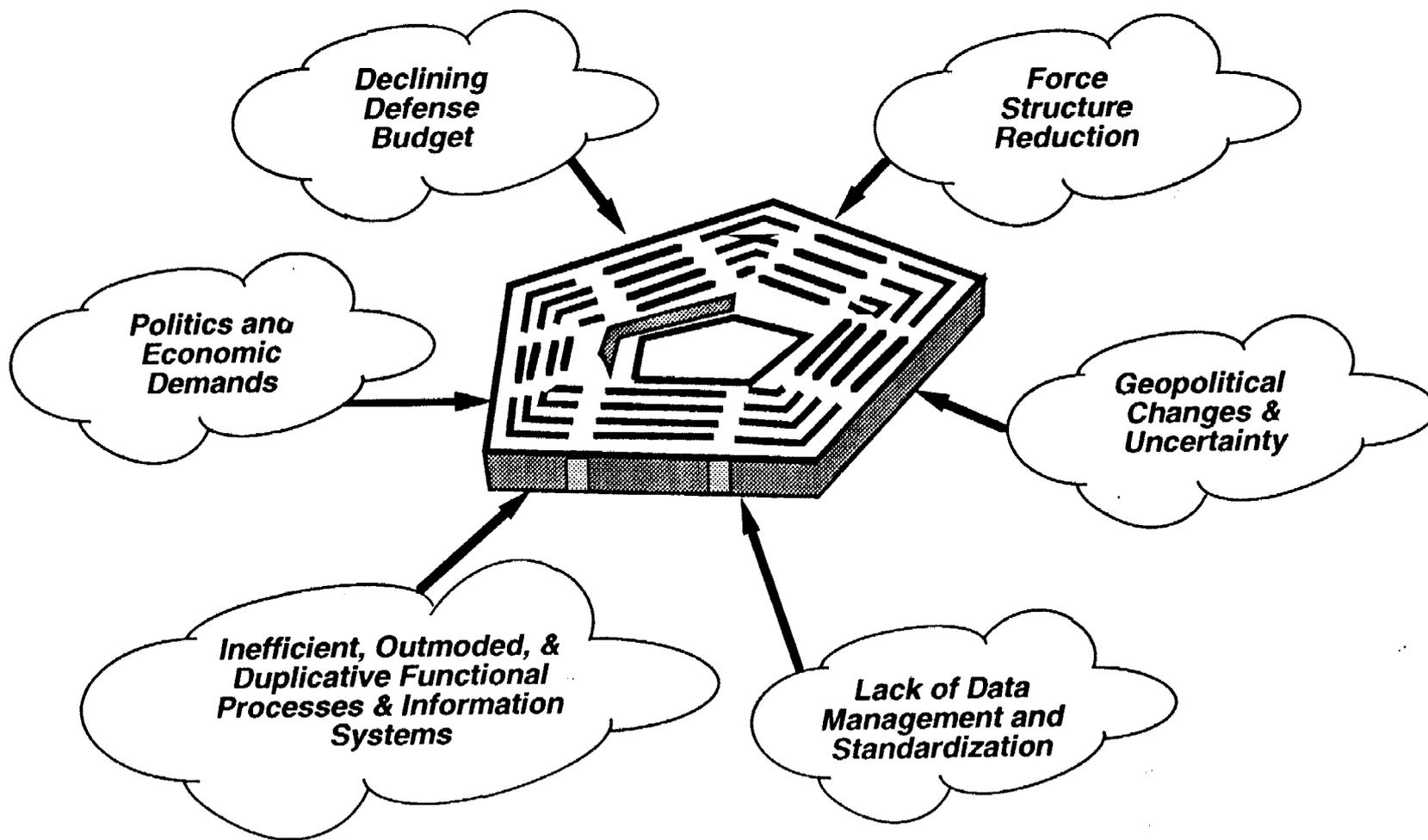


**BRIEFING FOR
MR. JAMES W. MORHARD
STAFF MEMBER
SENATE APPROPRIATIONS COMMITTEE**

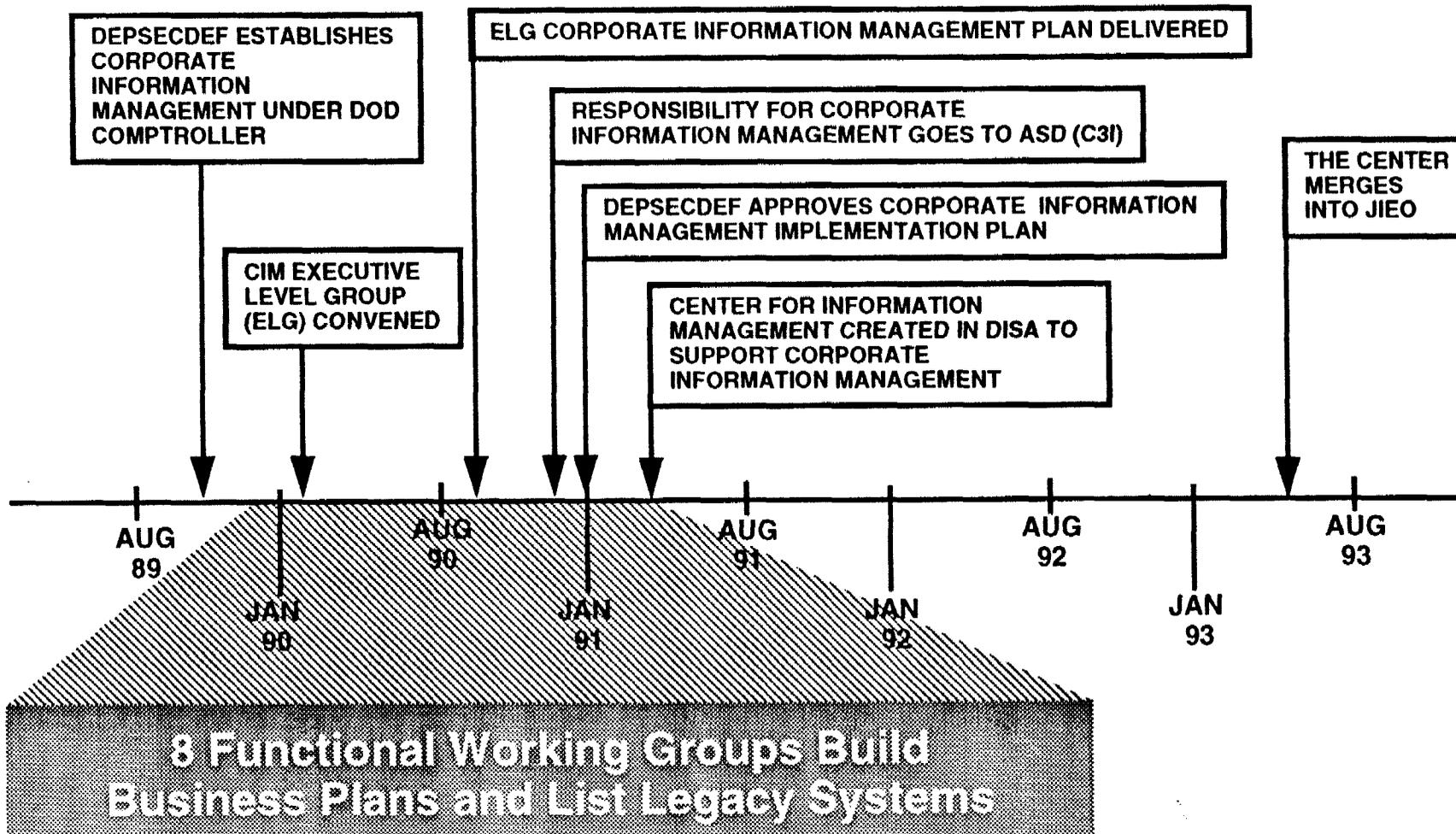
**Mrs. Belkis Leong-Hong
Acting Director, Center for Information Management
Defense Information Systems Agency**

August 5, 1993

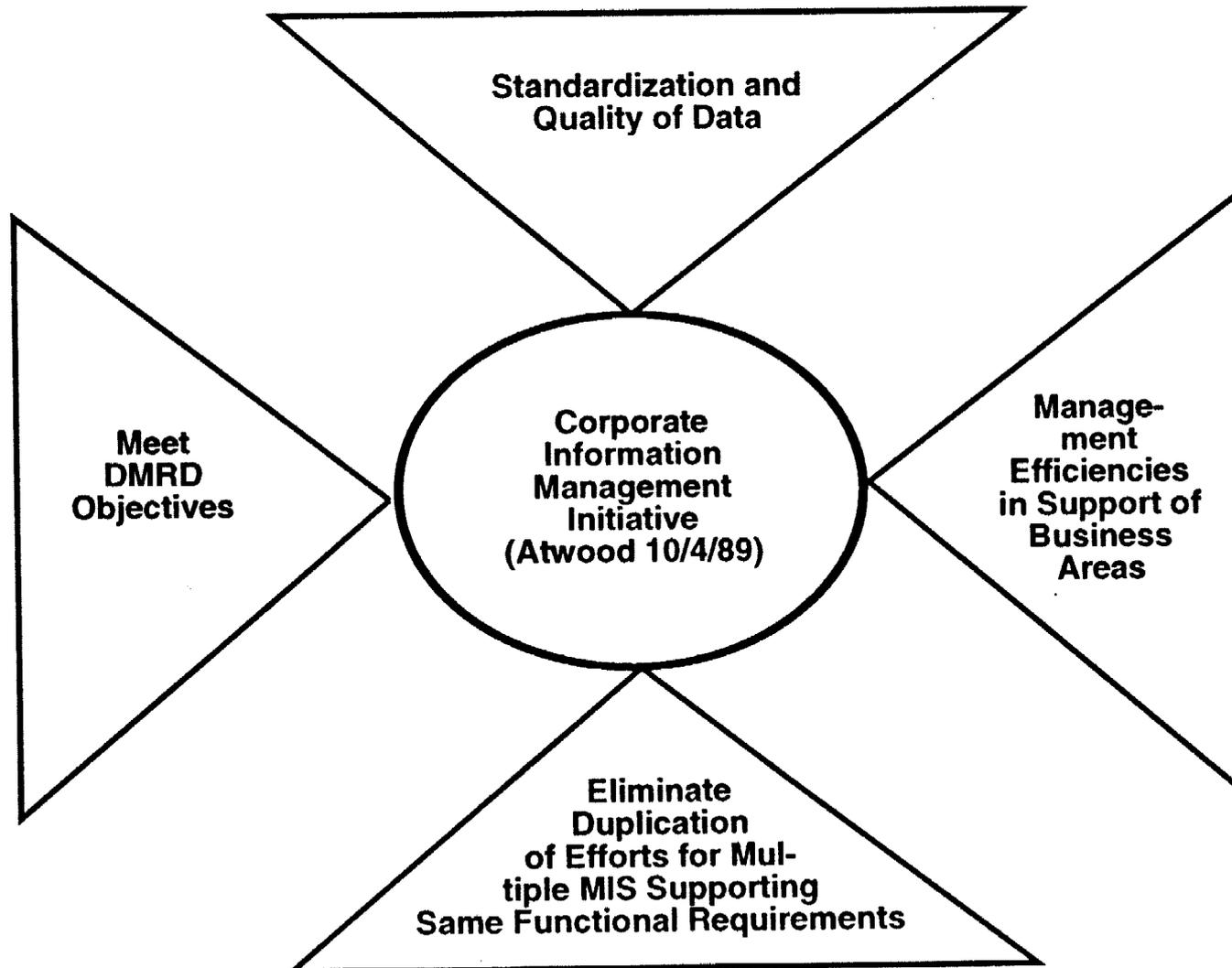
Challenge to Defense



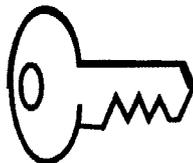
History

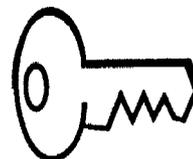


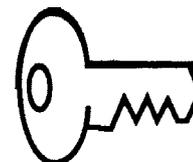
Objectives of the Corporate Information Management Initiative



Key Premises

 INFORMATION MANAGEMENT IS AN INTEGRAL PART OF A FUNCTION

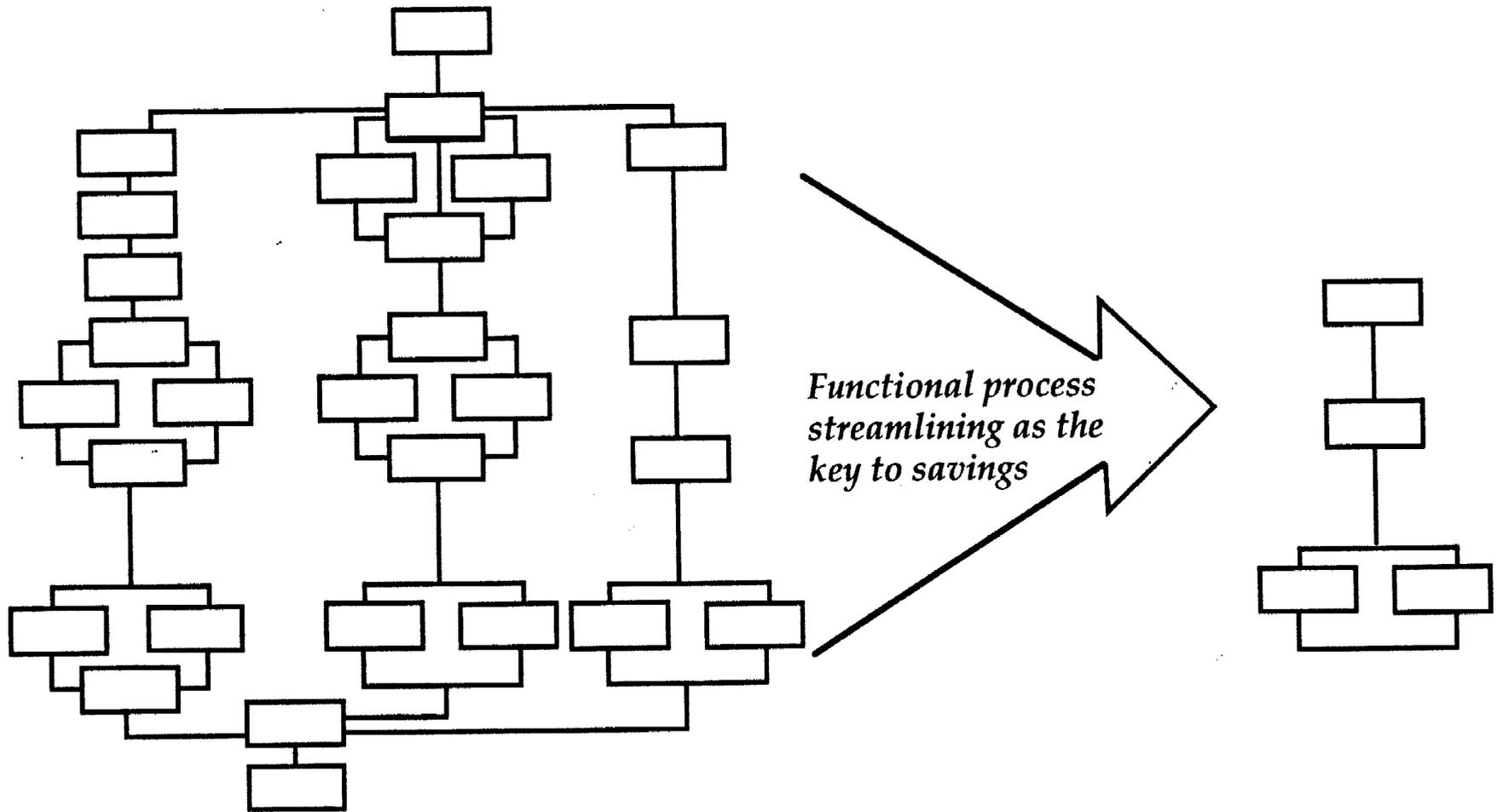
 MANAGEMENT EFFICIENCIES CAN ONLY OCCUR BY LOOKING AT THE ACTIVITIES WITHIN A FUNCTION

 IMPROVEMENTS IN INFORMATION SYSTEMS CAN ONLY OCCUR AS A RESULT OF FUNCTIONAL IMPROVEMENTS

 INFORMATION SYSTEMS SHOULD ONLY BE DEVELOPED IF THERE IS A DEMONSTRATED FUNCTIONAL NEED

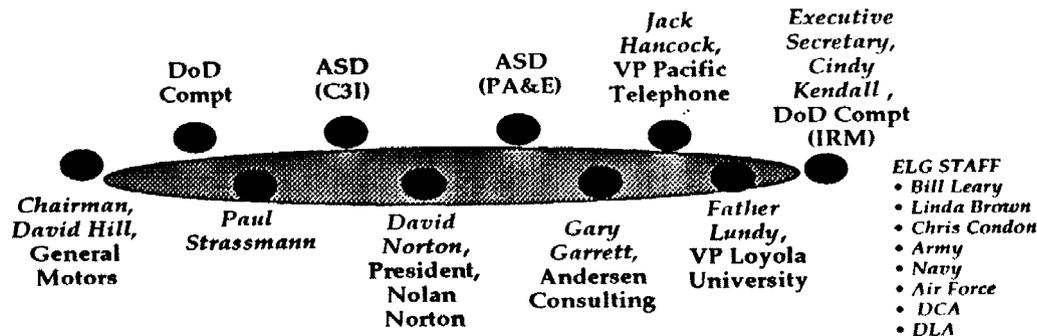
of Efforts for Multiple MIS Supporting Same Functional Requirements

Programmatic Emphasis: Streamline Processes

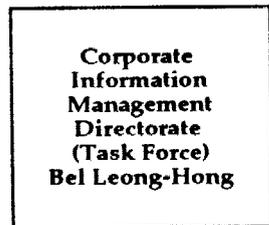


ELG, Task Force, and Council

EXECUTIVE LEVEL GROUP (ELG)

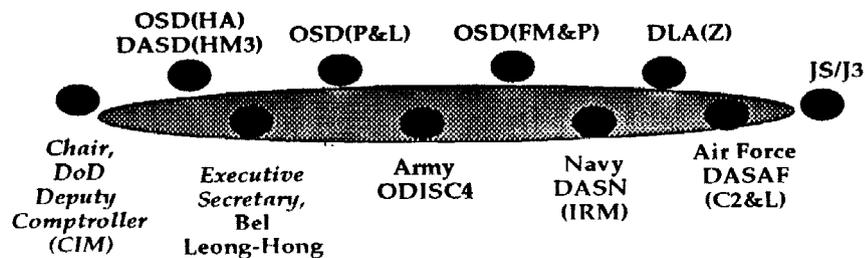


- Federal Advisory Council
- Focus on DoD-wide Information Management
- 6 External Executives and 3 DoD Executives



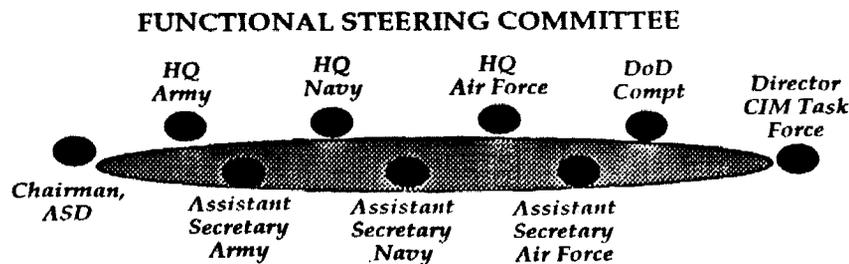
- Formulate technical & management concepts & strategies
- Resolve technical and functional issues affecting all functional groups
- Integration, modeling, & data standardization
- Provide management, administrative & logistical support to all functional groups

CIM COUNCIL



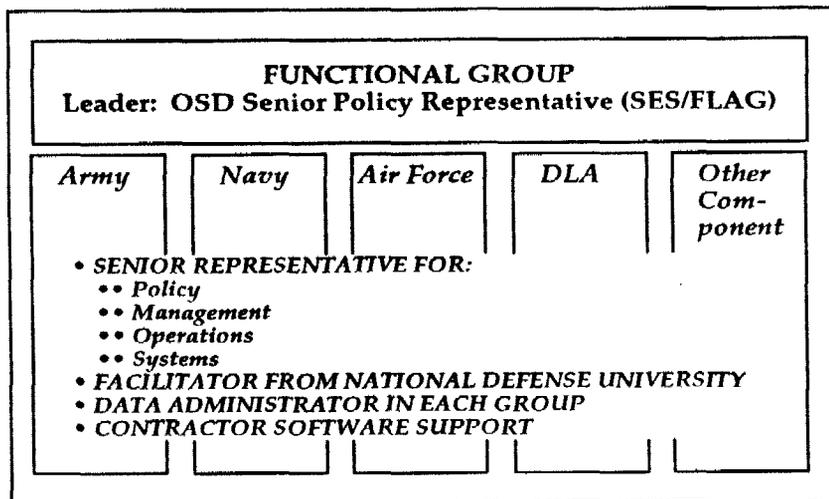
- Advisory Council for technical/CIM issues
- Communication forum
- Single point of contact to Services for CIM issues
- Membership at SES/Flag level

Functional Groups and Steering Committees



• 4 FUNCTIONAL STEERING COMMITTEES

- Financial Management
 - Medical
 - Human Resources
 - Production & Logistics
- Review & approval of Functional Group Products
 - Resolve functional policies and issues
 - Facilitate implementation of Functional Group Products
 - Not technical issues
 - Meet at least quarterly, some monthly



• 8 FUNCTIONAL GROUPS

- Civilian Payroll
 - Contract Payment
 - Financial Operations
 - Gov't Furnished Mt'l
 - Distribution Centers
 - Civilian Personnel
 - Material Management
 - Medical
- Emphasis on functional leadership & participation from best functional talents from services & companies
 - Document business processes, analyze, assess, propose new ways of doing business
 - Develop functional process and data models as a basis for functional requirements for business areas for developing information systems
 - Participation on a long term, full time, for duration of efforts; representatives detailed

Programmatic Emphasis: Separate Roles

FUNCTIONAL MANAGER

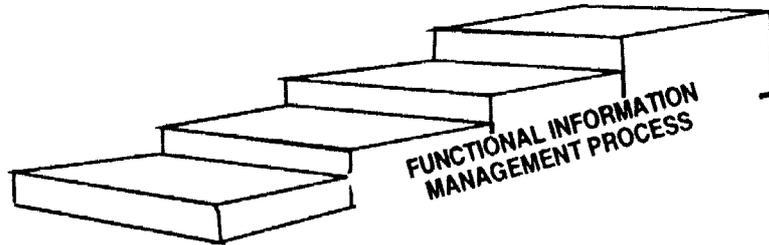
Responsible for changes in their business functions, and responsible and accountable for achieving DMRD savings



TECHNICAL MANAGER

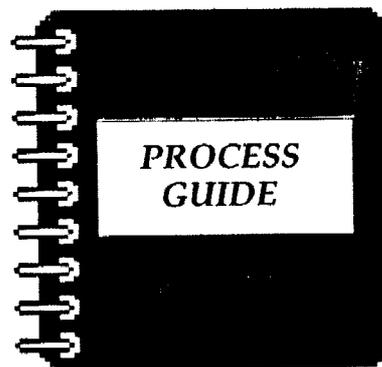
Responsible for providing the technological tools to enable functional process simplification

Focus on Process



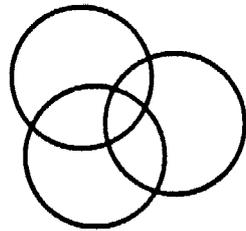
KEY FEATURES

- 🔑 Business oriented process
- 🔑 Requirements from a functional perspective
- 🔑 Standardization
- 🔑 Consistent methodology and procedures
- 🔑 Use of CASE tool for analysis & documentation

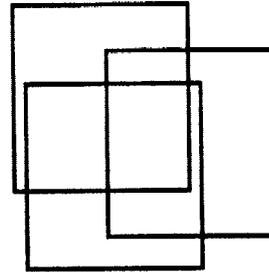


-
- 🔑 Developed in-house, spans entire process
 - 🔑 Methodology emphasis: structured technique, standard conventions & definitions
 - 🔑 Standardization of data
 - 🔑 Three phases defined:
 - 🔑 Key products described in detail, formats
 - 🔑 Review and approval points identified
 - 🔑 Standard output
 - 🔑 Initial version: Nov 1989
First revision: Jul 1990
Current Baseline: Sep 1990
(updated based on lessons learned)

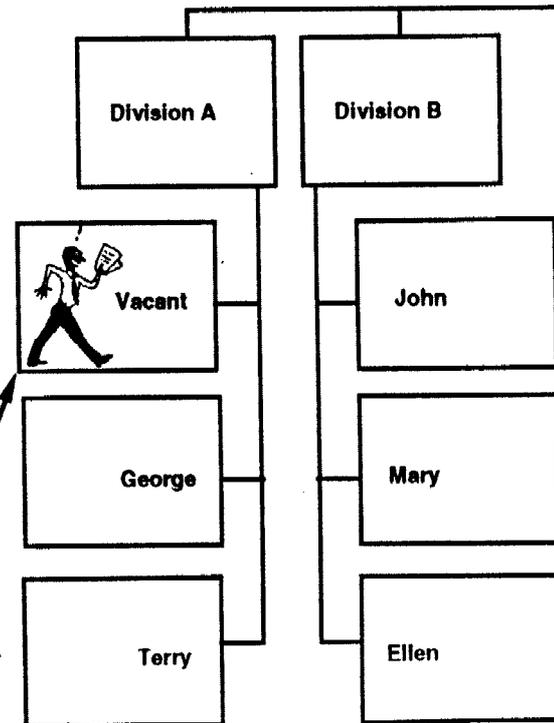
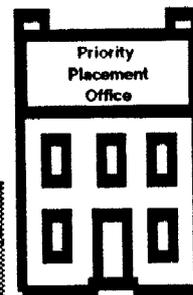
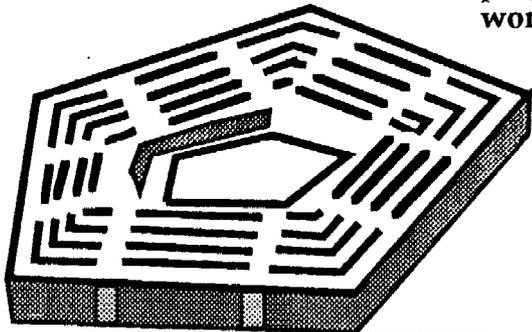
Streamline Through Common Processes and Data: Civilian Personnel Example



Common Functional processes (squares) & data (circles) have been defined in 8 functional areas



The Civilian Personnel Functional Group worked on developing an improved "priority placement" program in anticipation of the large workforce reduction.



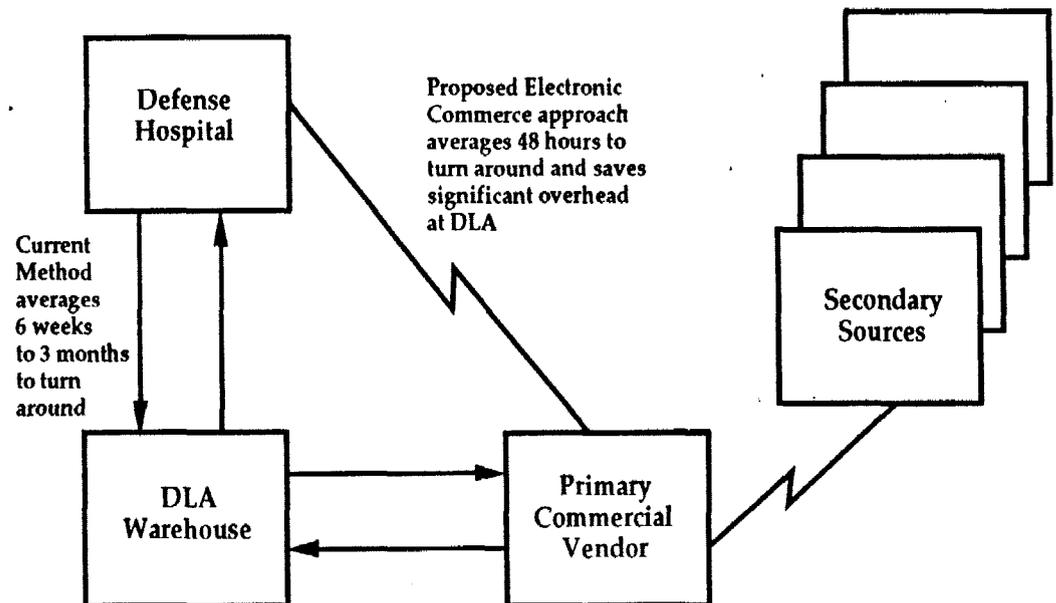
Streamline Through Common Processes and Data: GFE and Medical Examples



The Government Furnished Materials Functional Group worked at making proposed changes in the FAR to require a form to improve the visibility of government owned material in the hands of contractors.



The Medical Functional Group proposed the use of Electronic Commerce (including EDI) to improve ordering medical supplies directly from commercial sources.



JIEO MISSION

DoD CORPORATE INFO MANAGEMENT

≡ **IT TOOLS (BUILDING BLOCKS)**

≡ **IM IMPLEMENTATION (MIGRATION BLOCKS)**

DoD C2 INFO SYSTEMS ENGINEER

DISA INFO SYSTEMS ENGINEER

DII ARCHITECT

DoD EXECUTIVE AGENT FOR:

≡ **STANDARDS**

≡ **SECURITY**

≡ **TEST AND EVALUATION**

≡ **STRATEGIC/TACTICAL C3 INTEROPERABILITY**

JIEO MAJOR FUNCTIONS

DoD C2 INFORMATION SYSTEMS ENGINEER

**SUPPORT TOP-LEVEL
DECISION MAKING**

**CONDUCT MISSION/
FUNCTIONAL ANALYSIS**

**PREPARE FUNCTIONAL
AND THEATER
ARCHITECTURES**

**DEVELOP DoD
INFORMATION SYSTEMS
STANDARDS**

**INTEGRATE ACROSS DoD
C2 INFORMATION SYSTEMS**

**INTEGRATE INTER-SERVICE/
AGENCY TEST & EVALUATION**

DISA SYSTEMS ENGINEER

**PROVIDE SYSTEM
DESIGNS
DII ARCHITECT**

**SUPPORT PROGRAM
MANAGER**

**SPECIFY SYSTEMS DII
SYSTEMS ENGR**

**SUPPORT I/S UTILITY
MANAGER**

**DEVELOP AND EXECUTE
TEST AND EVALUATION
PROGRAMS**

DoD INFORMATIO MANAGEMENT

**INFORMATION SYSTEME
STANDARDS**

**TEST AND VERIFICAT
OF INFORMATION
SYSTEMS AMONG**

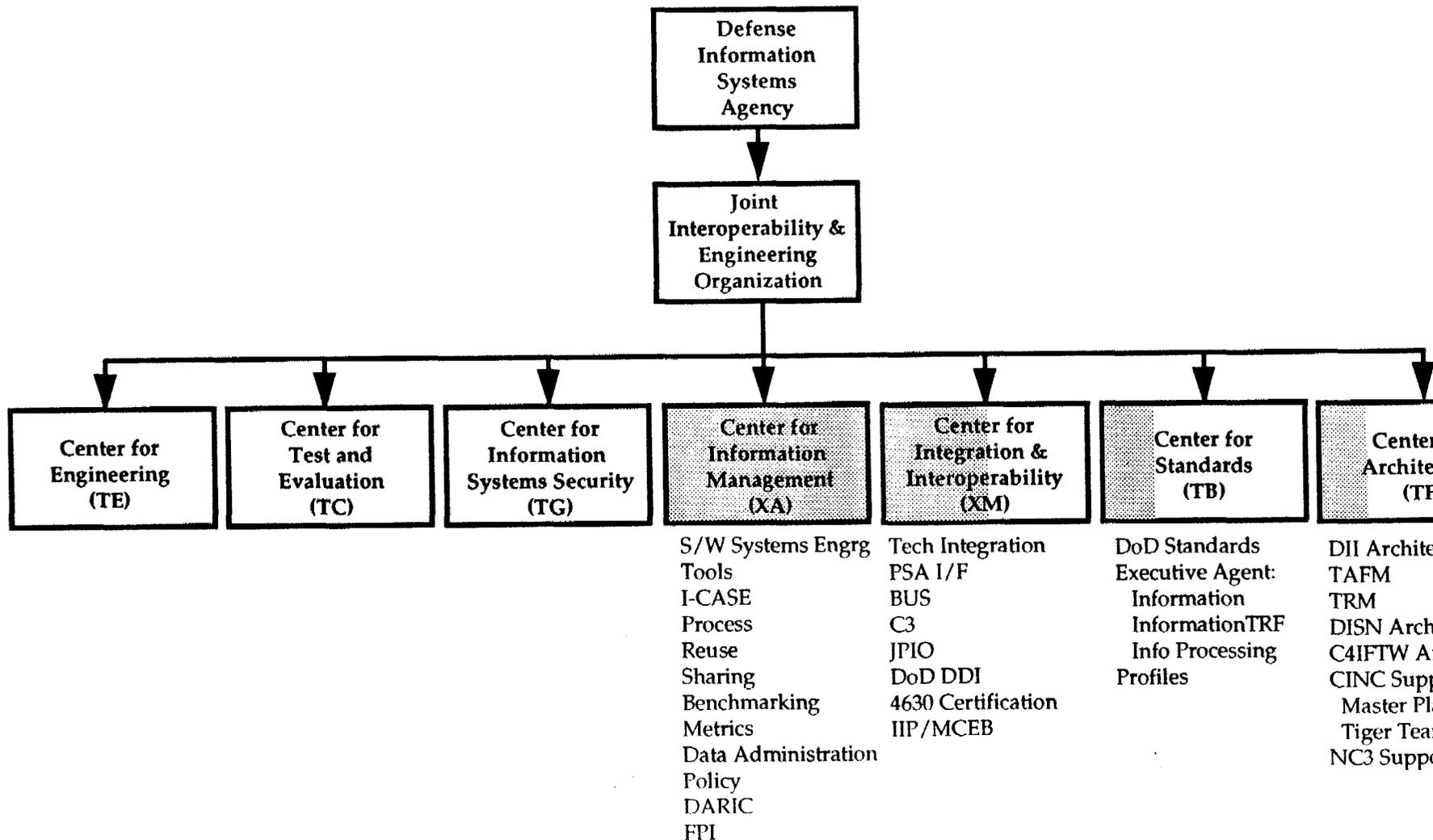
- DoD
- ALLIES
- INDUSTRY

SECURITY OVERLAY

PROVIDE IT TOOLS

**IMPLEMENT OSE
MIGRATION**

Corporate Information Management Responsibilities Within JIEO



Corporate Information Management Thrusts

An initiative generated in order to provide managers with policies, guidance, and procedures for dealing with information as a resource.

A management philosophy -- and supporting tools -- that enable DoD functional managers to maintain focus on:

- ≅ Customers -- internal and external**
- ≅ Quality -- how to measure it and how to achieve it**
- ≅ Cost -- direct and overhead**

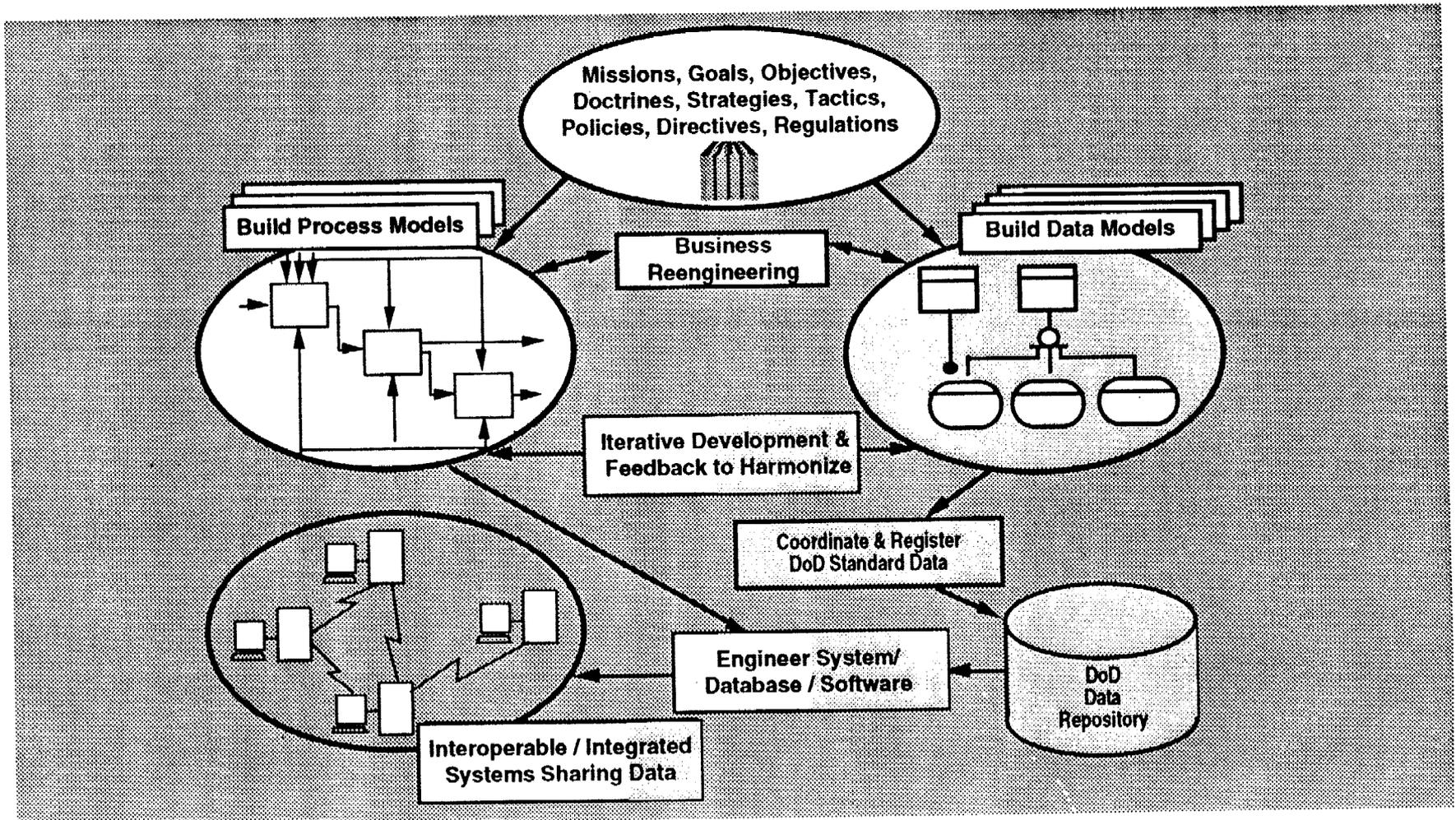
Corporate Information Management Objectives

Provide consistent, accurate, timely information to those who need it -- both warfighters and support organizations

Optimize mission performance capabilities within established resource limits

Integrate information across and within DoD's functional areas and activities

CIM Initiative -- A Program Context



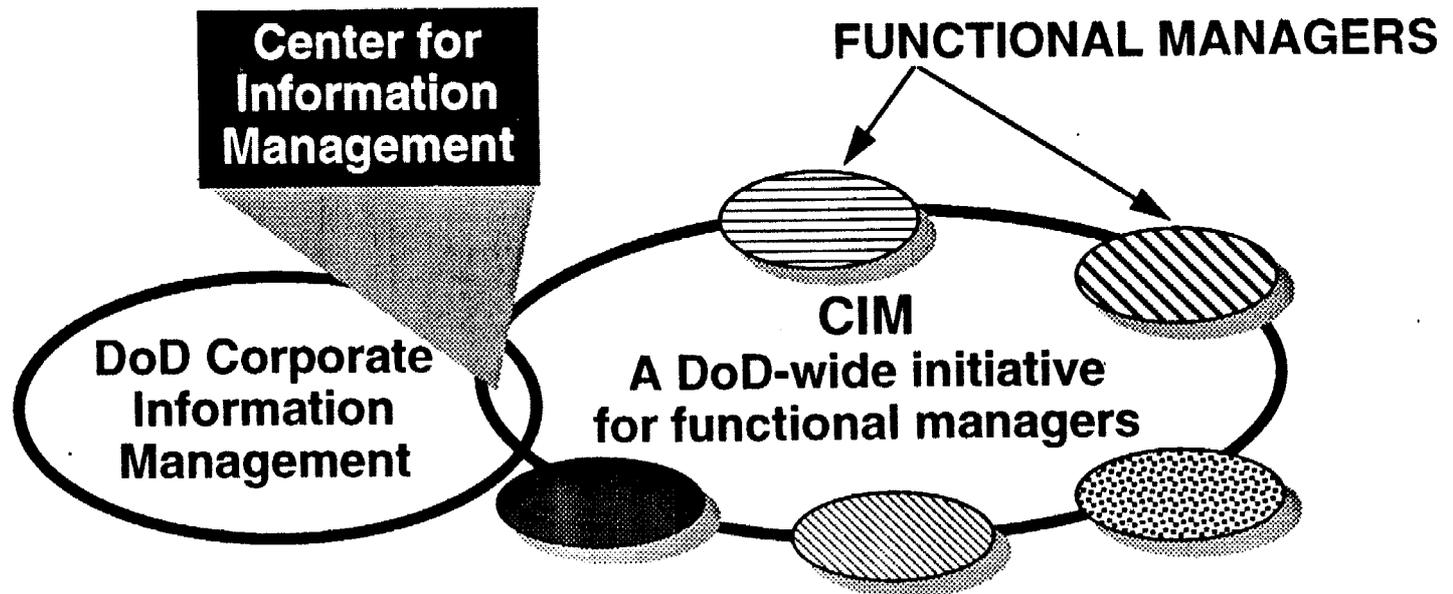
Corporate CIM and the Center CIM

Corporate Information Management (CIM)

≡ a DoD-wide initiative that helps functional managers make the best use of information resources

The Center for Information Management

≡ the technical support arm for DoD corporate information management and the CIM initiative



Center for Information Management Functions

FUNCTIONAL PROCESS IMPROVEMENT

Coordinate Development of
Functional Area Models

Conduct Improvement
Analysis

Perform Functional Economic
Analysis

Integrate Functional Area Models

Provide FPI Customer Support

DATA ADMINISTRATION

Manage DoD Data

Manage DoD Data Quality and
Data Security

Develop DoD DA Plans, Procedures
& Guidance

Manage DoD DA Training
Requirements

Provide DoD DA Tools

Provide DoD DA Program
Customer Support

SOFTWARE REUSE

Coordinate DoD Software Reuse
Initiative

Manage DISA Software Reuse
Program

Conduct Asset Management

Support Domain Analysis
Activities

Provide Software Reuse Tools

Provide Software Reuse
Customer Support

SOFTWARE ENGINEERING

Improve Software
Engineering Process

Provide a Common DoD
Software Engineering
Environment

Support Software
Reengineering

Provide Software Metrics

DII EVOLUTION

Manage DoD Automated Resources

Increase Performance & Efficiency
of the DII

Develop Strategy to Evolve the DII

Develop Common Technical Architecture
Guidelines & Methodologies

TECHNICAL INTEGRATION

Manage AIS Integration Program

Manage Technical Plans &
Resources

Manage Defense Integration
Repository

Provide Technical Integration
Customer Support

PLANNING & TECHNICAL OVERSIGHT

Produce Program & Resource Plans

Oversee Resource Actions

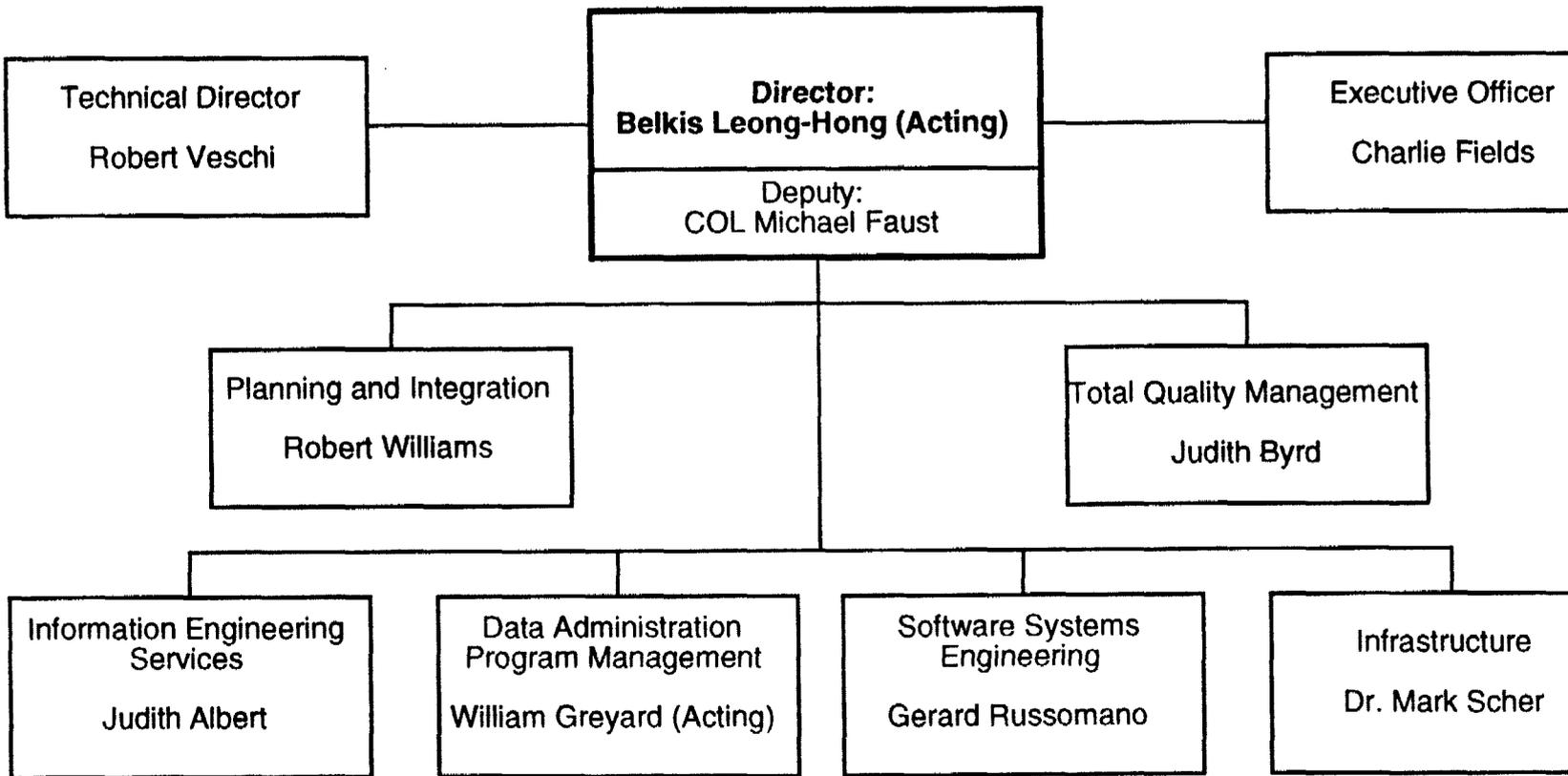
Provide Internal Program Integration

Provide Program Management Support

Provide Acquisition Support

Provide Administrative Support

Center for Information Management Organization



Center for Information Management Purpose

**Technical support arm for the DoD Corporate
Information Management initiative**

**Applies to the entire Department of Defense including
OSD staff organizations
Services
Components**

Has already been implemented to reinvent DoD

Center Vision / Mission

VISION

The Center for Info Mgmt will:
Promote the institutionalization of procedures, methods, techniques, tools, and services throughout DoD that lead to Information Management (IM) and develop business practices comparable to the best in the private sector.

MISSION

The Center for Info Mgmt will:
Support goals of OASD (C3I) in implementing efficient IM practices.
Serve as change agent to improve IM in DoD.
Provide effective IM procedures, methods, techniques, tools, and services for all DoD.

Center-wide Goals

GOALS

The Center for Information Management will:

Develop and promote an integrated set of capabilities that:

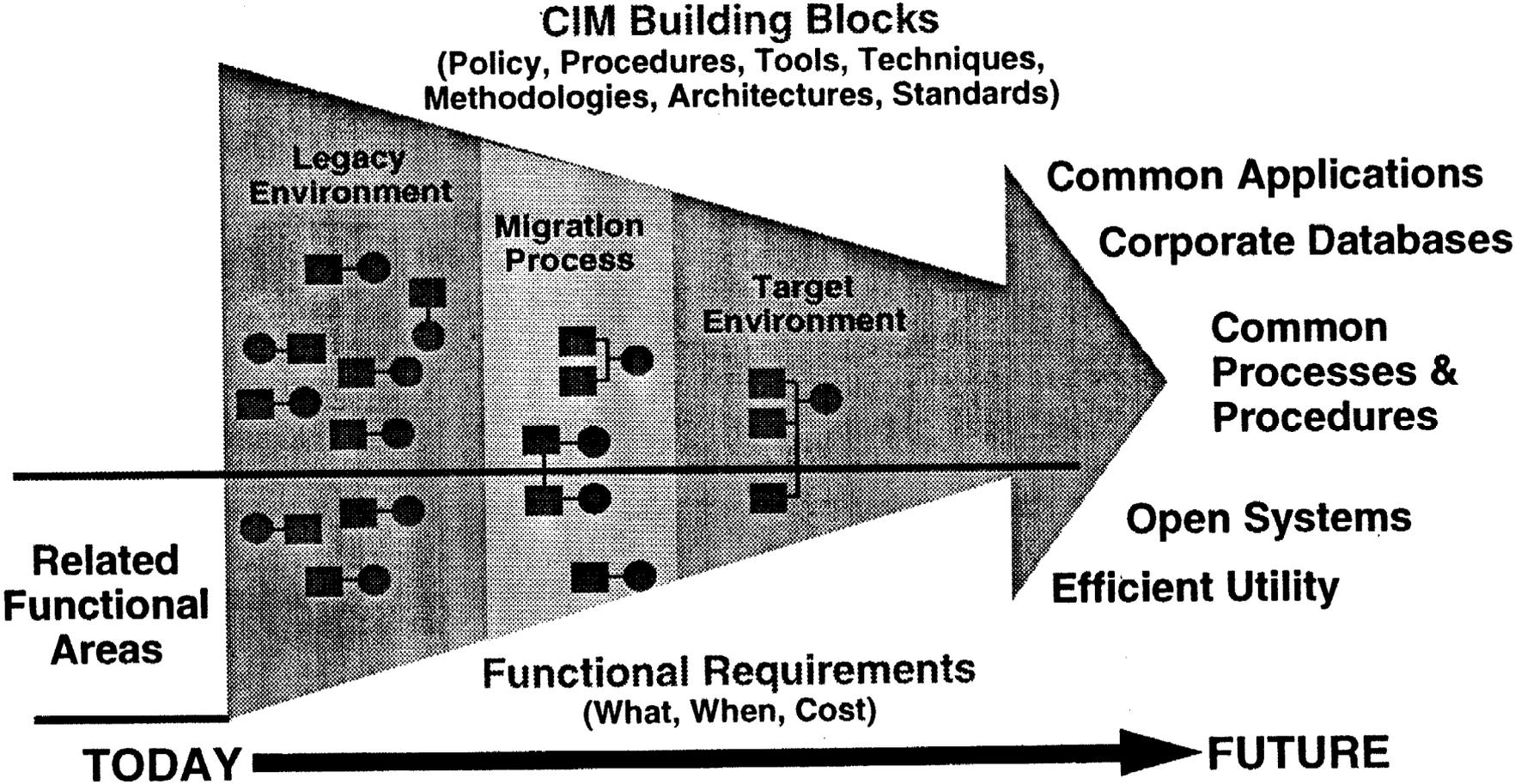
- ≡ Provides reduced annual operating costs in management areas
- ≡ Improves quality of IM capabilities relative to industry standards and business practices
- ≡ Enables flexible and timely responsiveness to requirements

Become our customers' Supplier of Choice for improved IM practices

Build an IM work force recognized as a leader in the industry.

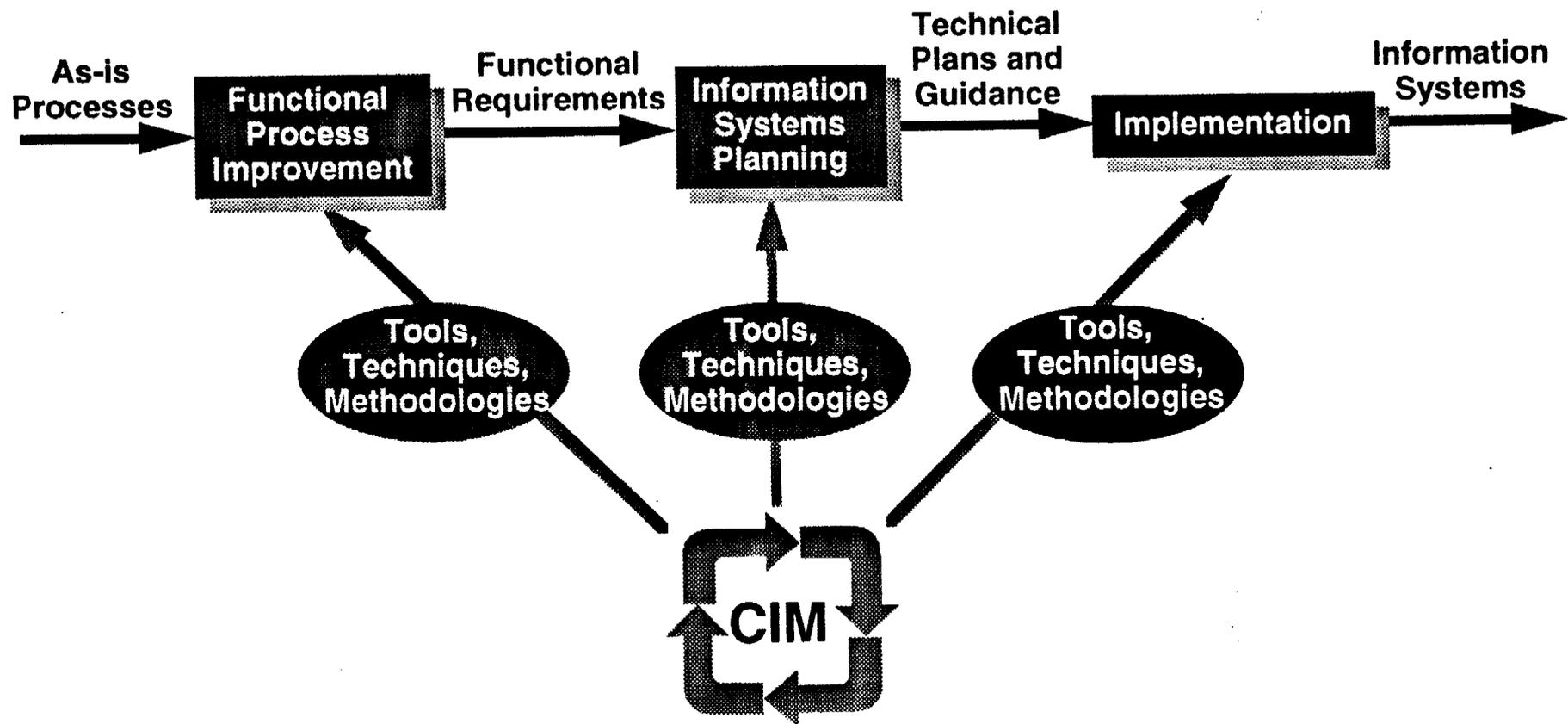
Information Systems Migration

Key to Success: Common IM Practices



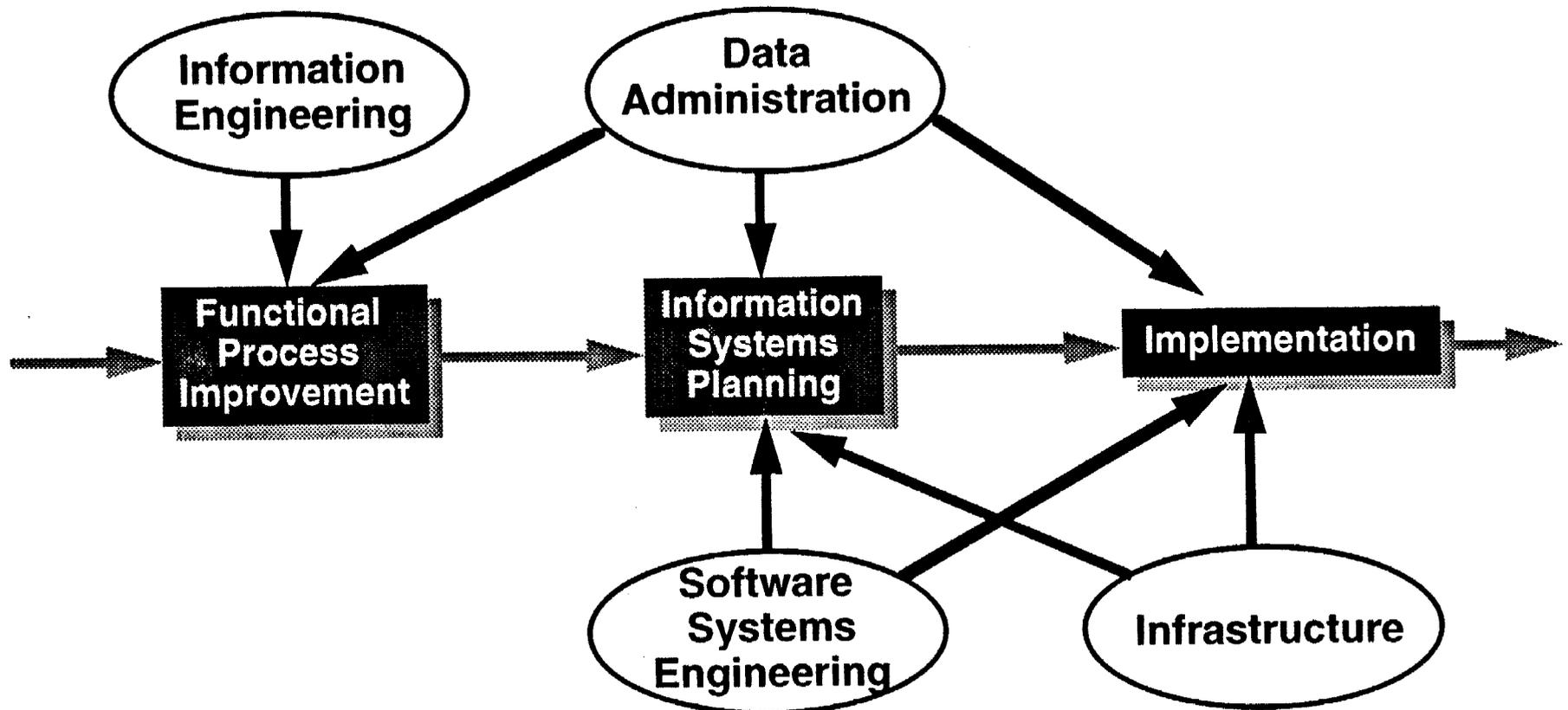
The Information Management Process

CIM provides the building blocks which facilitate common IM practices

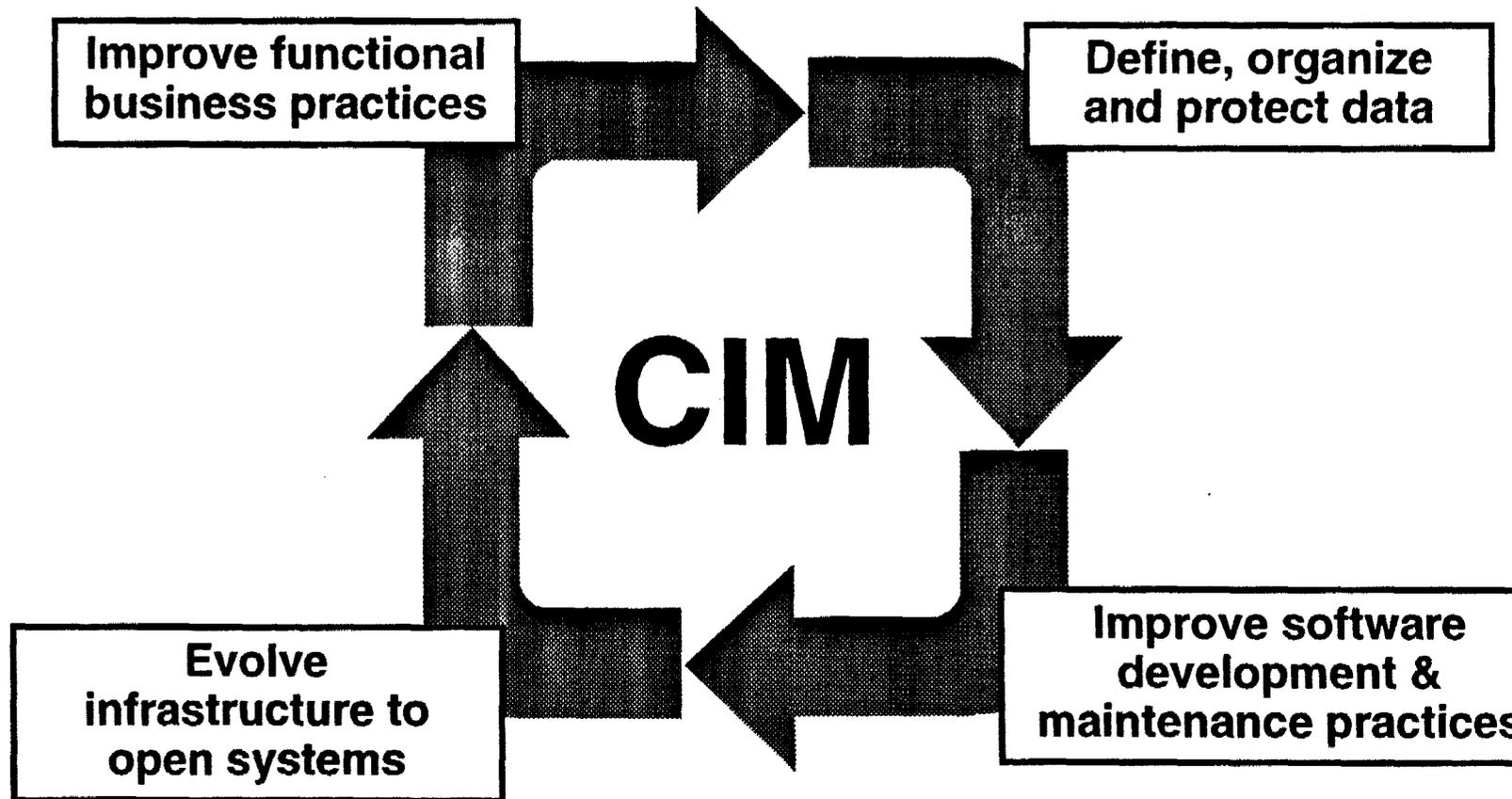


CIM Program Support

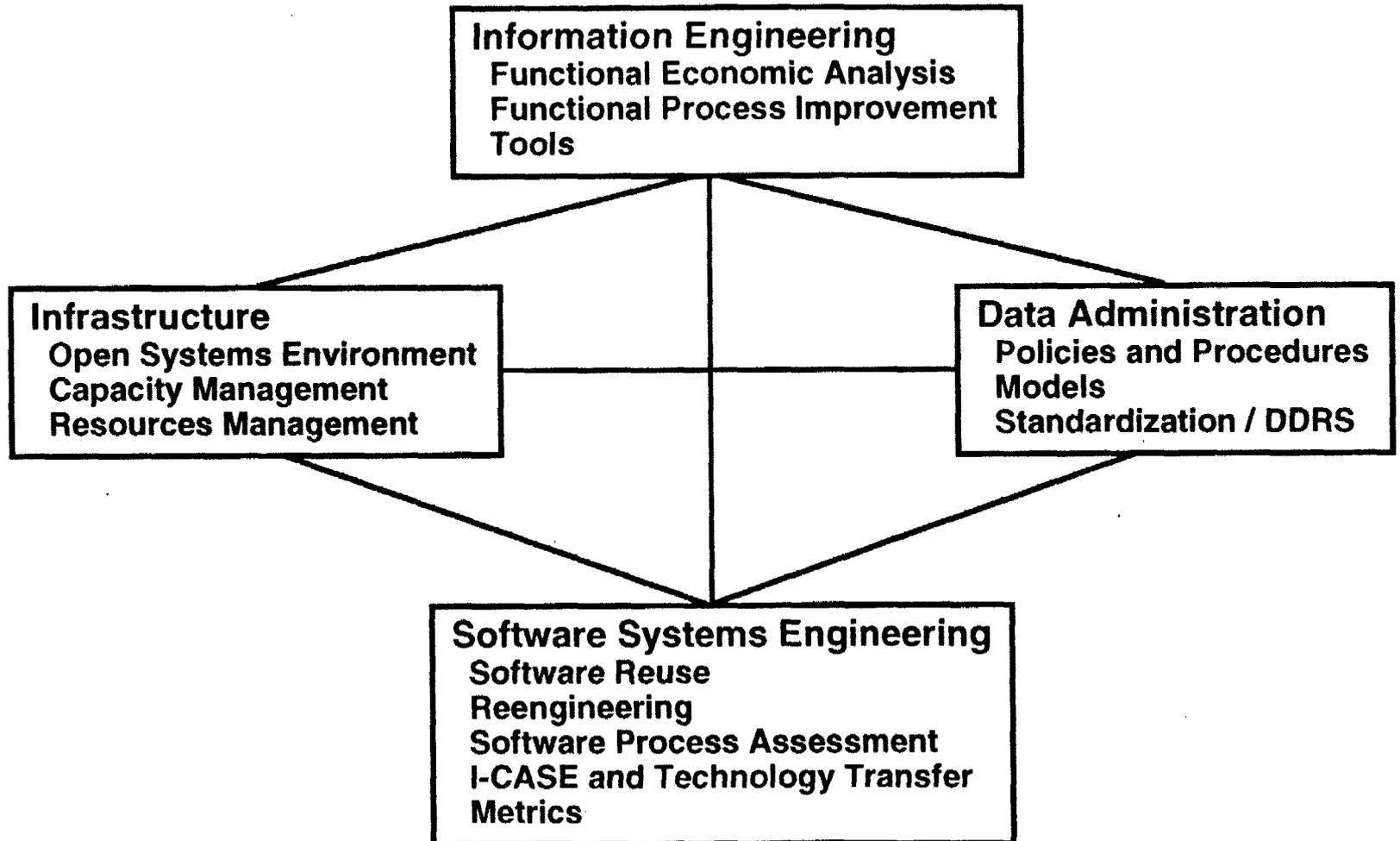
CIM programs support ongoing IM practices



Strategic Thrusts

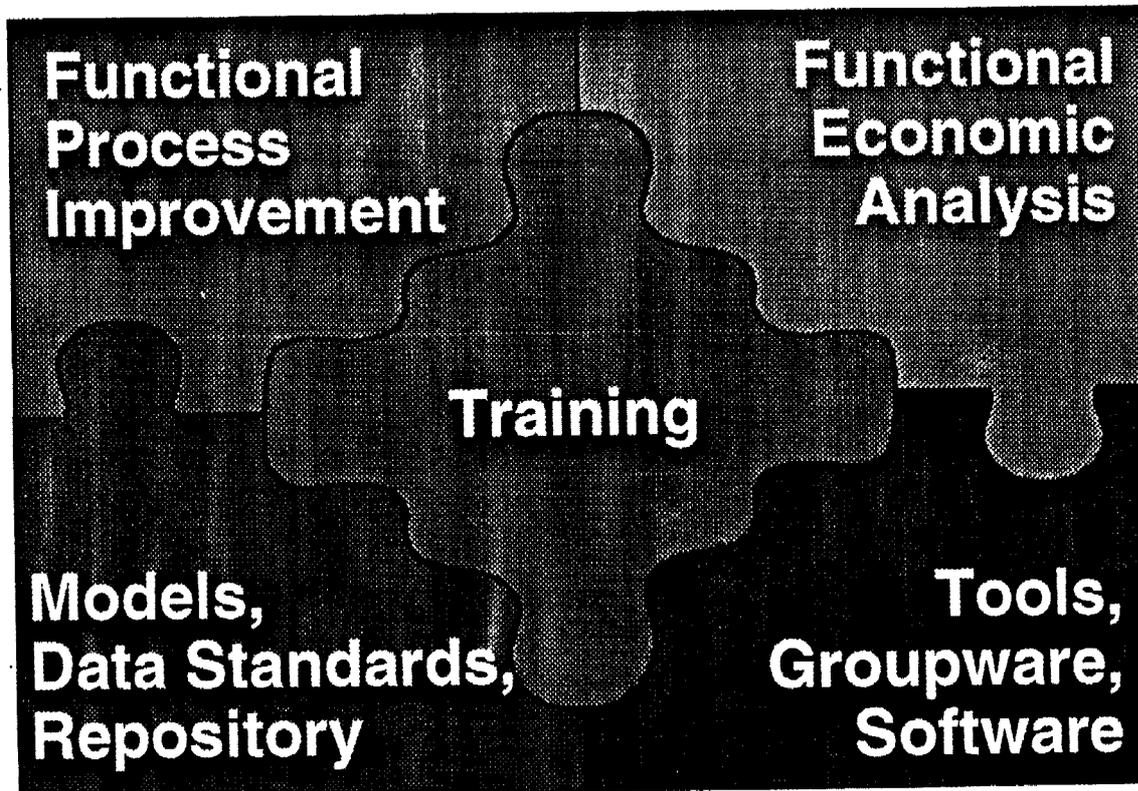


Programs

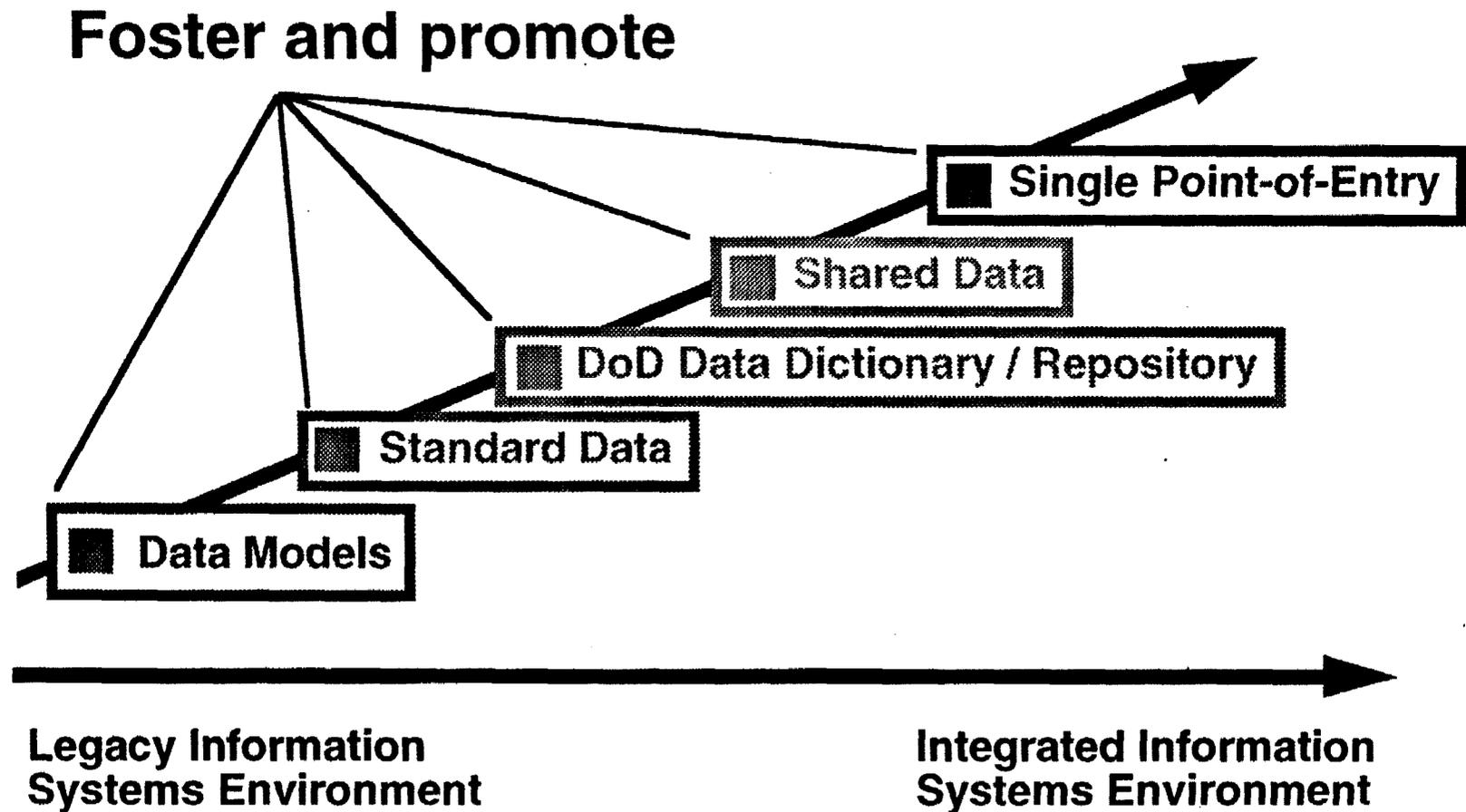


Information Engineering

Assist in performing continuous process improvements through an integrated design

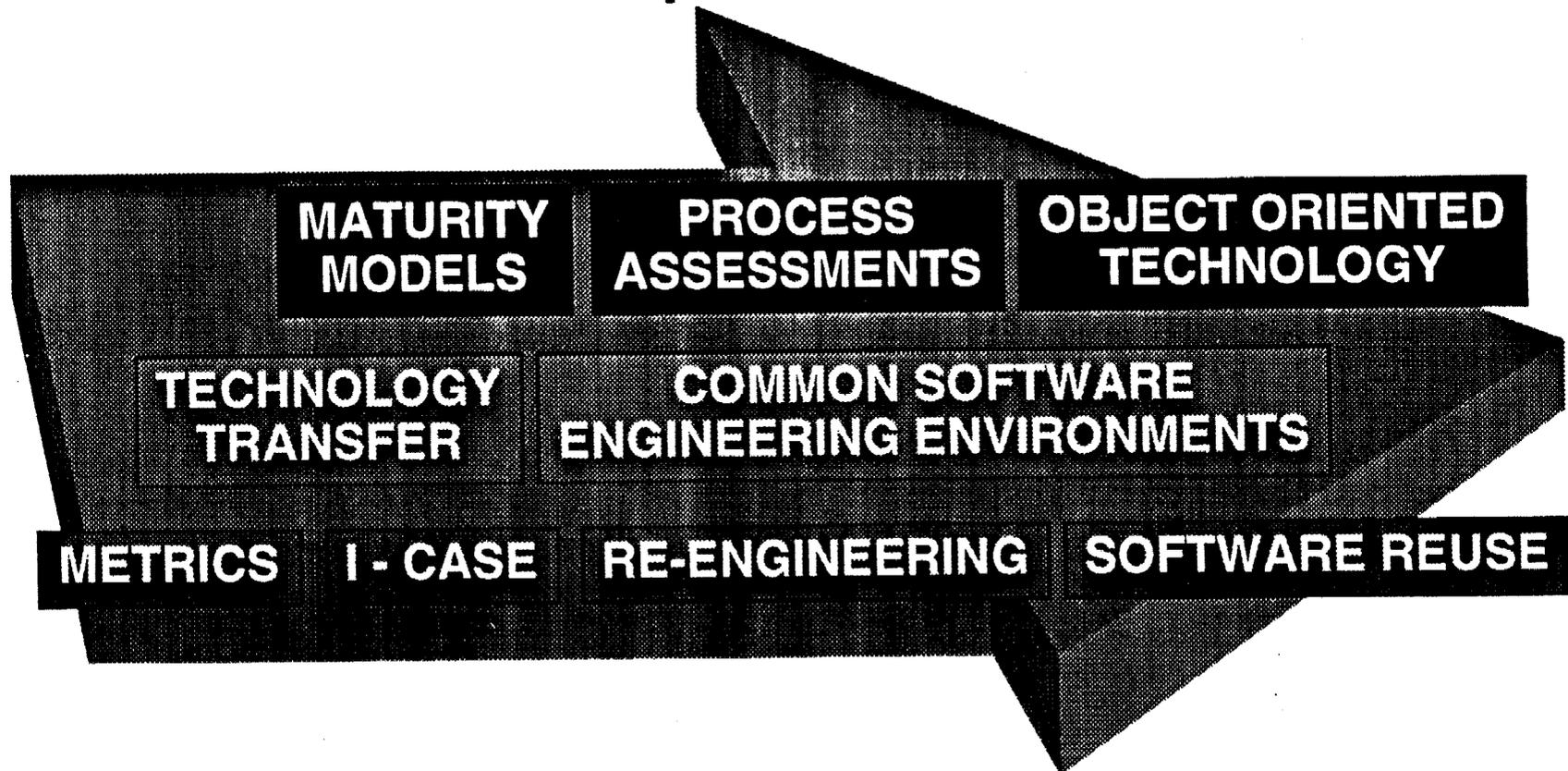


Data Administration



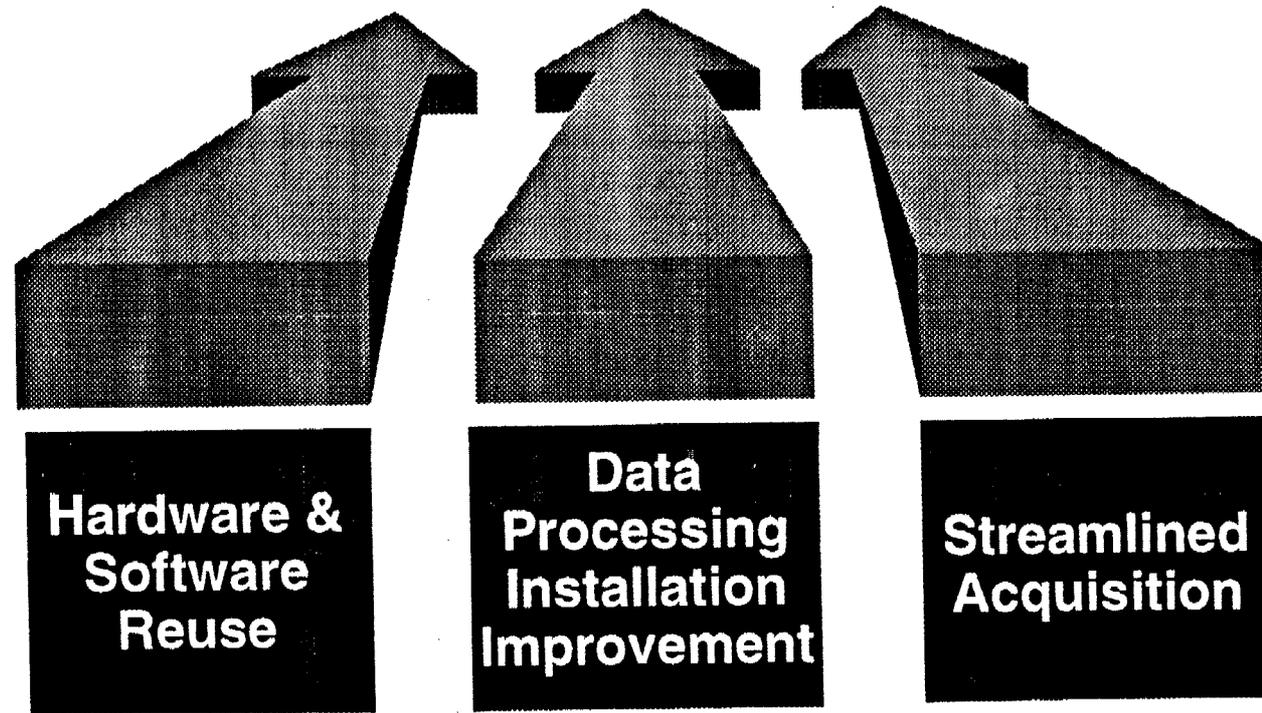
Software Systems Engineering

Accelerate adoption of proven software processes and tools



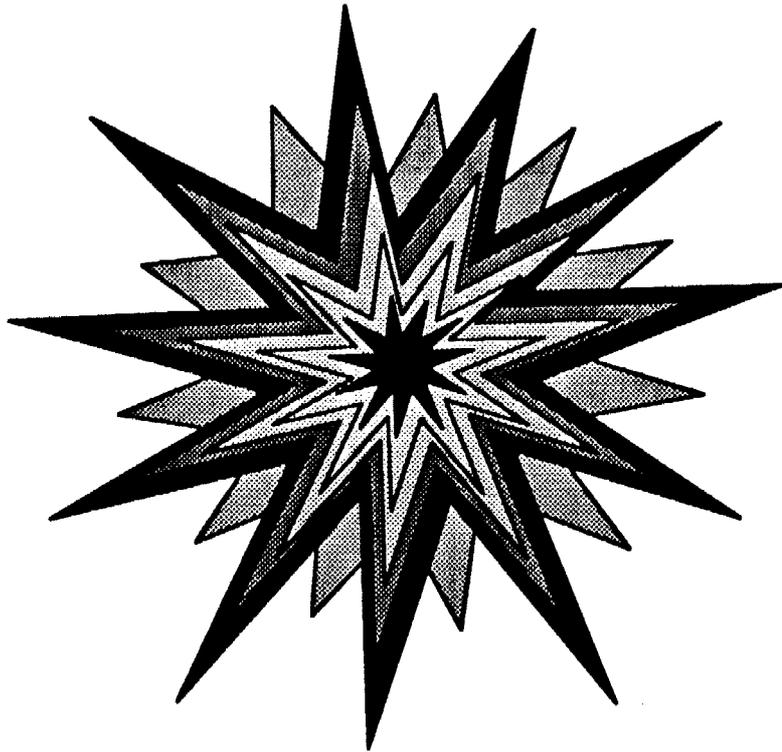
Infrastructure

Guide evolution of DoD computer infrastructure to an open systems environment



Conclusion

The Center is the process and architecture engineering expert, adding:



- Value**
- Cost Savings**
- Time Savings**
- Quality**
- Improvements**
- Efficiencies**
- Effectiveness**