



Activity Reports

Corporate Information Management

PROGRAM STATUS REVIEW

for DASD (IM)

26 July 1994

**by BRIGADIER GENERAL BOHN, Director
Joint Interoperability & Engineering Organization**



Center for Information Management

Status and Activities



- **Data Administration**
- **Information Engineering**
- **Software Systems Engineering**
- **DOD Software Reuse**
- **Infrastructure Engineering**
- **Ada Dual-Use**
- **Defense Automation Resources**



Data Administration

Status



Operating Plan Major Activities	Changes, Funds, Manpower, Objectives, New Tasks	Accomplishments Feb - June
DOD Data Architecture	Reallocated \$60K to GCCS Data Architecture (MCEB Tasking)	Development of GCCS Data Architecture
DOD Data Model	None	Updated Model through Integration of C2, Finance & Accounting, and Personnel & Readiness Data
Data Standardization	Perry Memo - Acceleration of Data Standardization	Facilitated Approval of 817 DOD Data Standards 999
DDRS/Tools		Upgraded DDRS Hardware (HP 9000/877)
Strategic Plans	Resources Applied to Perry Mandate	None



Data Administration



Status (Cont)

Operating Plan Major Activities	Changes, Funds, Manpower, Objectives, New Tasks	Accomplishments Feb - June
Data Administration Methods & Procedures	None	<ul style="list-style-type: none">- Developed Rapid Data Standardization Guidance- Completed FPI project- Published DODD 8320.1-M, DOD Data Administration Procedures
Quality Assurance & Security	None	Draft Guidance for Techniques to Map Non-Standard Data to Standard Data
Training & Education	Reduced Training Classes from 40+ to 8, Using Train the Trainer Approach	Conducted Two (2) Classes for DOD Data Administration Community
Direct Support Services	None	Reverse Engineered Defense CIVPER Data System (DCPDS); DLA Pre-award Contracting System (DPACS)

SCRIPT: Data Administration
STATUS: Major Operating Activities

This slide delineates DAPMO's FY 94 Strategic Operating Plan activities and accomplishments within each activity.

Of particular note are the accomplishments within the data standardization activity. Based on the Perry memo requiring the acceleration of data standardization, and subsequent MCEB and ASD(C3I) initiatives, we have facilitated the approval of 817 DOD data standards for use throughout the Department. As of July 18, there are 989 data standards.

We have upgraded the hardware platform of the Defense Data Repository System enabling more timely and efficient access to this data dictionary tool.

Additionally, we have developed rapid data standardization guidance to streamline the data standardization process. In subsequent briefings we will report on our accomplishments in this area.

The Department's formal data administration procedures, DOD 8320.1-M, were published in March.

We have completed a FPI project on the data administration process and are currently staffing the final report within the data administration community.

We have conducted two (2) comprehensive data administration "train-the-trainer" classes which will enable trained personnel from the functional/component data administration community to conduct additional classes within their own organizations.



Data Administration



Activities Remaining in FY94

- 1. DOD Data Model Extensions (Integration of Functional Area Models)**
- 2. Continue Facilitation of Development of Standard Data**
- 3. Develop and Coordinate Draft of Data Modeling, Quality Assurance, and Security Procedures**
- 4. Conduct Additional Training Courses**
- 7. Support Data Migration Planning Efforts within the Functional Community through DII Prototypes**

SCRIPT: Data Administration
Activities Remaining in FY 94

We will continue to extend the DOD data model by incorporating additional functional area data models within IT, thereby facilitating the development of additional DOD standard data.

We will be staffing data modeling, quality assurance and security guidance throughout the data administration community to facilitate the implementation of a comprehensive DOD Data Administration Program.

Additionally, we will be active in insuring that data requirements are adequately addressed throughout the various DII prototype efforts being conducted.



Data Administration



Funding Status as of 30 June 94

	DASD (IM) APPROVED OPLAN	DISA ANNUAL PROGRAM	ALLOCATION	OBLIGATED	DISBURSED
O & M	4,562.0	4,200.4	3,595.2	3,062.7	226.0
Procurement	95.0	0.0	0.0	0.0	0.0



Information Engineering

Status



Operating Plan Major Activities	Changes, Funds, Manpower, Objectives, New Tasks	Accomplishments Feb - June
Functional Area Model Development	Across the Board Increase in Support Requirements Because: - CIM Matrix Support to CFI&I to Support EI is an Increase in duties from SOP - Additional Workload Imposed by Being Designated a Re-invention Partner	571 DOD Functional Groups Received IESPMO Consultation 21 Workshop Contract Packages Initiated
Improvement Analysis		179 DOD Functional Groups Received Info and Consulting on Benchmarking and Best Business Practices
FEA Expertise		Integration of FEA & EA Cost Structures Complete Work on-going to Provide FEA/ EA Integration Assistance for 7 Functional Activities 11 FEAs Reviewed to Date (On- going)



Information Engineering

Status (Cont)



Operating Plan Major Activities	Changes, Funds, Manpower, Objectives, New Tasks	Accomplishments Feb - June
Repository of Functional Area Models	Effort Reduced Due to Partial Loss of Funds (\$44.5K)	47 IDEF Repository Users
FPI & Upper CASE IE Customer Support and Manage the FPI Process	<p>Best Business Practices & Benchmarking Efforts Terminated Due to Loss of Funds (\$600K)</p> <p>ICASE Tool Procurement Terminated Due to Loss of Funds (\$100K)</p> <p>Procurement of Additional Customer Support Tool Platforms Terminated Due to Loss of Funds (\$50K)</p>	<p>105 Persons Trained in FPI & Upper CASE IE</p> <p>57 Loaner Tools Loaned to Functionals</p> <p>120 Persons Receiving CADRE 100 Training</p> <p>22 FPI & Upper CASE Briefings & Tool Demos Given</p> <p>934 New Contacts</p> <p>80 Groups Used CFFE</p>
Upper CASE Portion of IE Process		On-going Collection of Metrics on Quality, Cost & Time of FPI Activities

SCRIPT: Information Engineering Program

STATUS: Information Engineering Services Program Office

In general, the Information Engineering Services Program Management Office (IESPMO) has performed exceptionally. Almost half of our yearly performance goals were met or exceeded by May 94. Our credibility in providing BPR Services has resulted in our being designated a Government Re-invention partner. Our effectiveness, however, is not without its price. This achievement represents additional workload from what was originally planned in the CIM Strategic Operating Plan (SOP); additional workload which has severely strained our scarce in-house manpower resources. In addition, providing CIM matrix support to CFI&I to support Enterprise Integration (EI), although a step in the right direction, is also an increase in duties from the SOP. In order to continue to operate at our previous level of effectiveness, an increase in staff resources is critical.

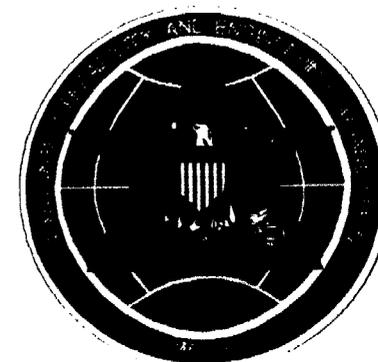
Regarding funding, the IESPMO project area related to operation of the Center for FPI Expertise sustained a funding cut, due to DISA Prioritization, of \$794K in FY94. Due to this reduction in the planned funding level, several BPR projects have been reduced or terminated pending the restoration of funds:

- Benchmarking (terminated)
- Best Business Practices (terminated)
- ICASE Tool Procurement (terminated)
- Customer Support tool platforms (terminated)
- IDEF Repository (reduced)

To the maximum extent possible, we have tried to work around these shortfalls by applying in-house resources to provide critical capabilities. We have, however, already reached the saturation point with regard to the number of customers that can be served by our under-manned staff.



Information Engineering



Activities Remaining in FY94

- 1. Rewrite front end of IDEF Repository to Allow Usage of any Standard Comm Package Terminal Emulation**
- 2. Produce Templates of BPR Project Reports and FEA Documents and Widely Distribute to BPR Practitioners in Electronic Format**
- 3. Collect and Analyze Data on Lessons Learned from BPR Projects and Publish Results**
- 4. Support TXI and DISA Comptroller to Develop Cost Estimating Methods for AIS Cost Elements of the DII Architecture**
- 5. Additional IDEF0/1X Modeling of BPR Program to Support Functional Cost Validation BPR Linkages to DOD Accounting/Finance Data, and IT Benefit Accountability**



Information Engineering



Activities Remaining in FY94 (Cont)

6. Procure and Distribute 2,000 Copies of Activity Based Costing Guidebook
7. Define and Develop a Database of Performance Measures Using Lotus Notes and Populate with over 1,000 Entries
- 8. Provide BPR Training and Support to NATO (NAMSA) on Cost-reimbursable Basis
9. Add More Slots to CADRE 100 Program by Selling to Functional Community
10. Provide Support to Internal BPR Efforts
11. Provide Support to DOD Reinvention Labs and the DOD Performance Review

SCRIPT: Information Engineering Program
STATUS: Activities Remaining in FY94

The IES Program Office has established itself as a significant force in providing BPR expertise to DoD functional managers. We serve a steadily-growing list of customers with a wide-ranging diversity of projects in a variety of BPR subject areas, such as:

- A. Functional Economic Analysis
- B. Best Business Practices network
- C. Cadre 100
- D. Reference materials and consulting services
- E. CASE tool loaner library
- F. IDEF Repository training and usage

The IES Program Office plans to continue its progress in each of these subject areas, and to consolidate the successes already achieved this year. We are aggressively pursuing a wide variety of activities intended to :

- Help functional managers more effectively apply BPR methods and principles
- Support the continued growth of DoD's BPR Program
- Build and strengthen the BPR Program's support infrastructure.



Information Engineering

Funding Status
as of 30 June 94



	DASD (IM) APPROVED OPLAN	DISA ANNUAL PROGRAM	ALLOCATION	OBLIGATED	DISBURSED
O & M	5,296.0	4,483.0	4,333.6	4,300.1	170.4
Procurement	0.0	0.0	0.0	0.0	0.0



Software Systems Engineering



Status

Operating Plan Major Activities	Changes, Funds, Manpower, Objectives, New Tasks	Accomplishments Feb - June
DISA Software Reuse Program	Funding Decreased from 7.25M to 4.963M <i>delta to DoD S/W reuse initiative</i>	Developed & Installed DSRS V5.0 and 5.1, Providing Homogeneous & Heterogeneous Interoperability Obtained Interim Authority to Operate DSRS while Pursuing Security Accreditation Completed and Validated Procurement/Solicitation Domain Model

SCRIPT: Software Systems Engineering
STATUS: DISA Software Reuse Program

During this period, the DISA Software Reuse Program developed and installed two enhanced versions of the Defense Software Repository System (DSRS), providing expanded technical and functional capabilities to DoD users seeking reusable assets. Version 5.0 provides homogeneous interoperability between Software Reuse Support Centers, and Version 5.1 provides heterogeneous interoperability between DSRS, Central Archives for Reusable Defense Systems (CARDS), and Asset Source for Software Engineering Technology (ASSET). While final security accreditation is in-process, interim authority for DSRS operations has been approved. The program continues its work with domain engineering, and has recently completed and validated Procurement and Solicitation domain models with the DoD community.



Software Systems Engineering

Status (Cont)



Operating Plan Major Activities	Changes, Funds, Manpower, Objectives, New Tasks	Accomplishments Feb - June
Software Reengineering Program	Funding Decreased from 550K to 535K	Conducted DoD Technical Review of Software Reengineering Proccss Model Conducted Four I-CASE Reengineering Workshops Initiated Three Reengineering Pilot Projects with JLSC/USMC/USAF 

SCRIPT: Software Systems Engineering

STATUS: Reengineering Program

The Software Reengineering program recently conducted a DoD technical review and update of the Software Reengineering Process Model. This and other developed guidelines are used by DoD software developers in planning and implementing reengineering techniques. Four I-CASE Reengineering Workshops were conducted during this period. The Software Reengineering program has proven the benefits of successfully reengineering existing systems, and continues to work with pilot projects in applying this technology. Three new reengineering pilot projects with Joint Logistics Systems Command (JLSC), the USMC, and the USAF have been initiated.



Software Systems Engineering

Status (Cont)



Operating Plan Major Activities	Changes, Funds, Manpower, Objectives, New Tasks	Accomplishments Feb - June
Software Process Improvement Program	Funding Increased from 1.3M to 1.489M <i>High Customer Demands -</i>	Provided Software Process Improvement Training to Thirty Customers Conducted Nine Software Process Assessments (SPA) Developed Software Quality Assurance Guidelines Trained Four Staff in New CMM Appraisal

SCRIPT: Software Systems Engineering

STATUS: Software Process Improvement Program

The Software Process Improvement program continues to be in great demand by the DoD software development community. During this period, nine Software Process Assessments (SPA) were conducted, and Software Process Improvement (SPI) training was provided to 3 customer sites. The program developed Software Quality Assurance Guidelines to be used. A new Capability Maturity Model (CMM) is being used for SPA, and four staff have been trained in the new technique. DoD developers are anxious for assistance in this area, most provide their own funding for this service.



Software Systems Engineering

Status (Cont)



Operating Plan Major Activities	Changes, Funds, Manpower, Objectives, New Tasks	Accomplishments Feb - June
Software Engineering Environments Program (SEE)	Task Changes Due to I-CASE Protest and Award Delay Deleted Domain Software Developer's Guide Added I-SEE Technical ConOps Sep 94 Delayed Target Dates: - SEE Life-Cycle Process Oct 94 - Tech Refresh Criteria Dec 94 - Evaluate I-CASE Environment Dec 94 - Migration Strategy Jul 95 Funding Increased from 450K to 700K	Conducted Two I-CASE Pilot SEE Evaluations Developed SEE Evaluation Handbook

SCRIPT: Software Systems Engineering

STATUS: Software Engineering Environments (SEE)

The Software Engineering Environments (SEE) program has been busy and working to support the implementation of I-CASE. The program developed a SEE Evaluation Handbook used for assessing site readiness for the I-CASE toolset. Two I-CASE SEE evaluations have been conducted at pilot sites during this period. Several tasks or task target dates have changed from the original FY 94 Plan due to the late I-CASE contract award in April 1994. The Domain Software Developers Guide was deleted, while the Intelligent-SEE Technical Concept of Operations was added as a deliverable for September of this year.



Software Systems Engineering

Status (Cont)



Operating Plan Major Activities	Changes, Funds, Manpower, Objectives, New Tasks	Accomplishments Feb - June
DOD Software Reuse Initiative (SRI)	DOD SRI as a separate office for increased visibility Four XE Staff on Detail to Support Transition Tasks	DOD SRI Accomplishments Reported under TXC

SCRIPT: Software Systems Engineering
STATUS: DOD Software Reuse Initiative (SRI)

During this period, Congressional interest requested a new formalized program for the DOD Software Reuse Initiative (SRI). In meeting this request, the DoD SRI was moved from the Software Engineering Directorate to a separate directorate within CIM. To ease the transition, four personnel were detailed to provide interim support, and four billets were permanently transferred to the DoD SRI.



Software Systems Engineering

Status (Cont)



Operating Plan Major Activities	Changes, Funds, Manpower, Objectives, New Tasks	Accomplishments Feb - June
Software Measurements (Metrics) Program	Expand Metrics Repository Target Date Change from 7/94 to 9/94 Complete Metrics Pilot Projects Target Date Changed from 7/94 to 9/94 Automatic Metrics Collection Target Date Changed from 7/ 94 to 9/94 Funding Increased from 450K to 524K	Conducted Metrics Workshops with I-CASE Pilots Established I-CASE Measurement Program Collected Core Measures Metrics from Nine DOD Sites & Projects Completed Metrics Hierarchy Document

SCRIPT: Software Systems Engineering
STATUS: Software Measurements (Metrics) Program

The Software Measurement (Metrics) program has been busy supporting the implementation of I-CASE. The I-CASE Measurement Program was established, and several Metrics Workshops have been conducted with I-CASE pilot sites. With the delay of the I-CASE contract award, the target dates for several tasks, to include completing the pilot projects, expanding the repository, and facilitating automatic metrics collection have been delayed from July to September 1994. The Metrics program has collected core measure metrics from nine DoD sites and 20 projects, and will be using this data to analyze and report lessons learned for DoD developers. The Metrics Hierarchy document was completed, and will undergo an external review. The program is collecting measures on software reuse, and will publish the DSRS Quarterly Report.



Software Systems Engineering

Status (Cont)



Operating Plan Major Activities	Changes, Funds, Manpower, Objectives, New Tasks	Accomplishments Feb - June
Object Oriented Technology Program (OOT)	Funding Decreased from 850K to 708K	Completed Strategies for Using OOT for DOD IS Guidebook Completed Adopting OOT Guidebook Initiated USMC Pilot Project

SCRIPT: Software Systems Engineering

STATUS: Object Oriented Technology Program (OOT)

The Object Oriented Technology program has recently completed two guidebooks for DoD software developers, "Strategies for Using Object Oriented Technology for DoD Information Systems", and "Adopting Object Oriented Technology". The program has initiated a pilot project working with the USMC in implementing OOT.



Software Systems Engineering

Status (Cont)



Operating Plan Major Activities	Changes, Funds, Manpower, Objectives, New Tasks	Accomplishments Feb - June
Software Technology Transfer Program	Funding Increased from 1.15M to 1.617M	Conducted Workshops in Organizational Change, Reengineering and Metrics Provided Process Management Training to Thirty Customer Sites Published Newsletter

SCRIPT: Software Systems Engineering

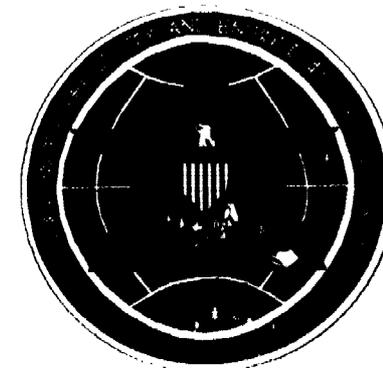
STATUS: Software Technology Transfer Program

The Software Technology Transfer program has been active in supporting DoD pilot sites ready themselves for the implementation of I-CASE. An I-CASE Technology Transfer Implementation Plan was developed. Process management training has been conducted at 30 customer sites. To facilitate readiness of the I-CASE pilot sites, workshops in organizational change, reengineering, and metrics were conducted. A newsletter keeps the community informed of I-CASE progress, plans, and capabilities.



Software Systems Engineering

Status (Cont)



Operating Plan Major Activities	Changes, Funds, Manpower, Objectives, New Tasks	Accomplishments Feb - June
Ada Revitalization Program	Ada Program Office Established as a separate office	Ada Program Accomplishments Reported under AJPO



Software Systems Engineering

Activities Remaining in FY94



1. DISA SRP:

- Complete DSRS Security Accreditation
- Initiate DSRS V6.0 Development
- Update Domain Analysis and Design Process
- Continue SRSC Domain Engineering Projects in Personnel, Logistics, Environment, and Procurement
- Co-sponsor Reuse Education '94 Conference

2. Reengineering:

- Conduct Software Reengineering Workshop
- Complete Software Reengineering Cost/Benefit Model

3. Software Process Improvement (SPI):

- Conduct SPI Implementation Planning at Six Sites
- Expand CMM Level 2 Readiness
- Conduct Quarterly SPI Advisory Group



Software Systems Engineering



Activities Remaining in FY94 (Cont)

4. Software Engineering Environments (SEE):

- Conduct I-CASE SEE Evaluations and Training Classes
- Publish Phase I I-CASE Pilot Findings
- Develop I-SEE Technical ConOps

5. Metrics:

- Expand DSRS Metrics Collection Capabilities at SRSCs
- Conduct Core Measures Pilot Program
- Continue I-CASE Pilot Data Collection
- Implement I-CASE Metrics Repository

6. Object Oriented Technology (OOT):

- Continue USMC Pilot Project

7. Technology Transfer:

- Conduct Three Organizational Change Workshops
- Conduct Two Process Management Classes
- Update I-CASE Technology Transfer Implementation Plan
- Publish Newsletter

SCRIPT: Software Systems Engineering
Activities Remaining in FY94

Plans for the *DISA Software Reuse Program* include completing the Defense Software Repository System (DSRS) security accreditation, initiating DSRS Version 6.0 development, updating the domain analysis and design process, co-sponsoring the Reuse Education 94 Conference, and continuing Software Reuse Service Center (SRSC) Domain Engineering Projects in the functional areas of Personnel, Logistics, Environment, and Procurement.

Software Reengineering activities planned for the remainder of FY94 include conducting a Software Reengineering Workshop, and completing the Software Reengineering Cost/Benefit Model.

Planned *Software Process Improvement* activities include conducting SPI Implementation Planning Workshops at 6 sites, expanding Capability Maturity Model (CMM) Level 2 readiness, and leading the quarterly Software Process Improvement Advisory Group.

Software Engineering Environments plans to conduct seven I-CASE SEE Evaluations and Training Classes, publish the Phase I I-CASE Pilot Findings, and develop an I-SEE Technical Concept of Operations.

Metrics plans to expand Defense Software Repository System Metrics Collection Capabilities at the Software Reuse Service Centers, conduct the Core Measures Pilot Program, continue I-CASE Pilot Data Collection, and implement an I-CASE Metrics Repository.

Object Oriented Technology plans to continue the USMC Pilot Project at Quantico.

Planned *Technology Transfer* activities include conducting 3 Organizational Change Workshops, conducting 3 Process Management Classes, updating the I-CASE Technology Transfer Implementation Plan, and publishing the Tech Transfer Newsletter.



Software Systems Engineering



Funding Status
as of 30 June 94

	DASD (IM) APPROVED OPLAN	DISA ANNUAL PROGRAM	ALLOCATION	OBLIGATED	DISBURSED
O & M	17,371.0	12,502.1	11,509.9	9,287.3	1,593.1
Procurement	7,750.0	3,815.0	3,788.8	0.0	0.0



DOD Software Reuse

Status



Operating Plan Major Activities	Changes, Funds, Manpower, Objectives, New Tasks	Accomplishments Feb - June
Previously under DISA Software Reuse	New DOD SRI Program Management Office (PMO) Established May 94. Assets (4 billets)/Budget Transferred from TXE	Established Transition PMO Acting SRI Director Named Initiated Recruit Actions Issued Draft PMO Charter Awarded Contracts for Support Issued Draft Work Breakdown Structure Consolidated Input for Potential FY95 Efforts

SCRIPT: DOD SOFTWARE REUSE INITIATIVE
STATUS:

The DOD Software Reuse Initiative (SRI) is shown in the FY94 Operating Plan as an activity under the Software Systems Engineering Directorate (TXE) of the Center for Information Management (CIM). In response to the concerns expressed by the House Appropriations Committee (HAC) and the response DOD provided to the HAC, DISA elevated this activity and established the SRI program management office (PMO) in May 1994 to report directly to the CIN Director. At that time, four billets were transferred from TXE to establish the PMO. The budget for this activity underwent many reductions during the fiscal year, from the \$450K identified in the FY94 approved plan to \$0 in March 94. Given GAO and congressional concerns, DISA increased the budget in April 94 to \$1.5M. Mr. Don Reifer was named as acting SRI Director in May 94. Initially, four people were detailed from TXE to work at the SRI PMO. As of 18 July, two people have returned to TXE, one person remains detailed and one person was permanently transferred to the PMO. Recruitment efforts have been initiated and the remaining positions should be announced in early August. A draft charter for the PMO has been developed and provided to the Reuse Executive Steering Committee (RESC) for review and comment. Contracts to continue transition activities and to provide support for the PMO has been awarded and the contractors have begun work. A draft work breakdown structure (WBS) has been prepared and reviewed by the reuse stakeholders. The WBS will be the foundation for the SRI strategic and operational management plans. Through DOD services and agencies, in response to a SRI PMO data call, submitted potential efforts for funding in FY95. The PMO has consolidated this input and will complete the evaluation in early July. A special issue POM for the SRI was prepared.



DOD Software Reuse

Activities Remaining in FY94



- 1. Issue SRI PMO Charter**
- 2. Develop SRI Strategic Plan and OP Management Plan**
- 3. Develop SRI Reporting Requirements and Procedures**
- 4. Evaluate and Prioritize Potential FY95 Efforts**
- 5. Identify High Leverage Opportunities**
- 6. Permanent PMO Staff Onboard**
- 7. Update DOD SRI Vision and Strategy**
- 8. Issue Reuse Glossary**
- 9. Refine Reuse Business Model**
- 10. Develop Procedure to Evaluate Legacy SW**
- 11. Develop Risk Assessment Procedures**
- 12. Develop Legal/Acquisition Handbook for Program Executive Officers/Program Managers**
- 13. Define User Requirements for Virtual Reuse Library**

SCRIPT: DOD Software Reuse Initiative
Activities Remaining in FY94

The SRI PMO is scheduled to complete the following activities during the remainder of FY94. The charter for the SRI PMO will be approved and issued. As specified in the DOD response to the HAC, the SRI PMO will develop a strategic and operational management plan which will identify the activities for the SRI for both the short-term (2 years) and the long-term (5 years). The SRI structure and relationships and the reporting requirements and procedures will be clearly defined and coordinated with the stakeholders. Efforts that potentially receive FY95 funding will be prioritized. High leverage opportunities will be identified and exploited. The DOD SRI vision and strategy document will be updated to incorporate industry comments and to ensure consistency with the DOD response to the HAC. A software reuse glossary will be issued by the National Institute for Standards and Technology as a special publication. A Software Reuse Business Model will be refined. Procedures to evaluate legacy software for reusability will be developed. Trillium, a risk assessment and mitigation procedure developed by Bell of Canada, will be modified for use in the DOD. A handbook will be developed which assists program executive officers (PEOS) and program managers (PMS) in incorporating reuse in their programs. This handbook will provide information on legal and acquisition issues PEOS and PMS must address in order to successfully determine when and how to implement reuse.



DOD Software Reuse



Funding Status as of 30 June 94

	DASD (IM) APPROVED OPLAN	DISA ANNUAL PROGRAM	ALLOCATION	OBLIGATED	DISBURSED
O & M	0.0	1,529.9	1,498.4	935.5	0.0
Procurement	0.0	0.0	0.0	0.0	0.0



Infrastructure



Status

Operating Plan Major Activities	Changes, Funds, Manpower, Objectives, New Tasks	Accomplishments Feb - June
Information Technology Asset Management	Contractor Unable to Schedule Full Workshop Sessions this FY, We Are Using Remaining Funds to Split Fund UFRs Picked up IM FIM Task \$300K to Review, Analyze, and Recommend Additions or Modifications to IM Policy.	DOD ITAM Scoping Workshop: 9-19 May 94 DOD ITAM Scoping Report - 6 Jun 94

SCRIPT: DISA/CIM/Infrastructure Directorate
STATUS: Information Technology Asset Management

IT Asset Management was a program requested in the FY94 DISA/CIM Operating Plan--it seeks to define an ambitious and comprehensive approach to managing DOD's hardware, software, documents, and data.

Accomplishments include:

- 1 ITAM Scoping Workshop 9-19 May
- 2 ITAM Scoping Workshop Report - 6 Jun 94

The group of MILDEP representatives has been slow to step to the ambitious vision described in OSD's draft Mission Needs Statement. The contractor was unable to schedule full workshop sessions this fiscal year. Remaining funds have been applied to Unfunded FY 94 IT Asset Management and DOD COTS Management sub-initiatives. DISA/CIM FY 95 funds have been programmed to finish the ITAM task.

In late June we picked up the IM FIM BPR effort. This \$300K effort fits in the "Blueprint" arena of DII Asset Management. Executive planning is underway.



Infrastructure

Status (Cont)



Operating Plan Major Activities	Changes, Funds, Manpower, Objectives, New Tasks	Accomplishments Feb - June
DOD COTS Product Management	DOD IT Store Partnerships Initial Efforts Underway to Establish a Desktop Software Enterprise License strategy and Process. Synchronizing DOD Efforts to Upgrade the DII with Policy Support and Workgroup Support.	DEALS Alpha Level Prototype Developed - May 94. Agreements Reached with TF, TB, and TC to Include Consumer Information in DEALS DOD Desktop Policy Published in Feb 94 SBIS Desktop Evaluation Report - Jun 94

SCRIPT: DISA/CIM/Infrastructure Directorate
STATUS: DOD COTS Product Management

DOD COTS Product Management Program was requested in the FY94 DISA/CIM Operating Plan -- it contributes the Provisioning and Synchronization components of Infrastructure's overall DII Asset Management efforts.

On the Provisioning side accomplishment include:

- 1 Alpha level prototype of the electronic shopping & ordering system (DEALS).
- 2 Centers for Information Management, Architecture, Standards, and Test & Evaluation have agreed to label IT component in DEALS, so that DOD IT consumers are able to do comparison shopping & make informed choices.

Provisioning also covers DOD IT Store Partnerships and Desktop SW Enterprise Licenses, these are setup efforts and do not incur contract cost in FY94

- 1 IT Store Partnership effort has established Business plans with DOD Component IT Stores
- 2 DOD Desktop Software Enterprise Licensing is focusing on Database Management and Middleware tools as part of the "Standard IS Tools and Environment" Working Group

On the Synchronization side we helped with the Desktop PC policy

- 1 Policy: Personal computer Procurement; 25 Oct 93
- 2 Policy Memo: Personal Computer Policy Implementation Plan; 23 Feb 94

The evaluations, of the Sustaining Base Information System (SBIS) compliance with open systems standards is also part of the COTS Product Management program. We delivered SBIS desktop evaluation report to OSD MAISRC - Jun 94.



Infrastructure

Status (Cont)



Operating Plan Major Activities	Changes, Funds, Manpower, Objectives, New Tasks	Accomplishments Feb - June
Infrastructure Operations Improvement	End-user computing benchmarking slipping due to delays in achieving MILDEP cooperation Representing DASD (IM) on VCR/FFS working group Operations level integrated IT management BPR	Client-server economics report DPI self-assessment guide Two self-assessment training seminars for DISO Baseline funding estimate for DPI CM/FFS software

SCRIPT: DISA/CIM/Infrastructure Directorate
STATUS:

The Infrastructure Operations Improvement Program was zero funded for FY94.

A follow-on meeting between DASD/IM and DISA/CIM established that the improvement efforts must be DOD wide, including all segments of the DII: baselevel, long-haul communications, consolidated processing, and Central Design Activity operations.

DII Operations improvements accomplishments since February include:

1. DPI Management Metrics for DOD Managers (DPI to ASD/C3I) - Feb 94
2. Synchronized end-user computing Benchmarking efforts with DII Prototype
3. Self-Assessment Guide published - Apr 94
4. Article published in professional journal, Institute for Computer Capacity Management Journal, on DISA/JIEO/CIM's DOD Benchmarking Program.
5. Two Self Assessment training sessions: Columbus/May & Denver/Jun
6. Support OSD(C) UCR/FFS WG - draft FFS memo for Mr. Paige's signature
7. Drafted policy document on IT capacity mgmt for DII -- under review by DASD/IM - (P&I)



Infrastructure

Status (Cont)



Operating Plan Major Activities	Changes, Funds, Manpower, Objectives, New Tasks	Accomplishments Feb - June
ARMS Maintenance and Enhancements	Transferred to DARIC	See DARIC Status Report

SCRIPT: ARMS Maintenance and Engineering
STATUS:

The Infrastructure Directorate split into two distinct mission areas.

The new organizational element, DARIC, assumed this mission.

There will be a DARIC status report as a part of this Program Status Review.



Infrastructure

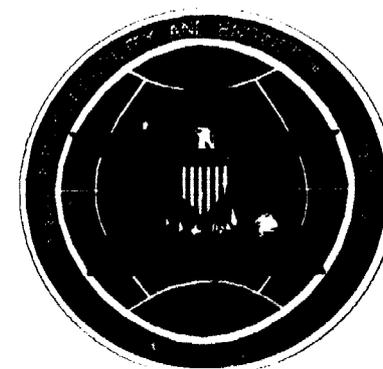
Activities Remaining in FY94



- 1. IT Asset Management**
 - ITAM BPR
 - IM FIM BPR
- 2. IT COTS Product Management**
 - DEALS
 - IT Store Partnerships
 - ASD/C3I Acquisition Policy Support
 - DOD Acquisition Work Group Support
- 3. DII Operations Improvements**
 - End-User Computing Benchmarking
 - Executive Software Enterprise Licensing
 - ASD/C3I UCR/FFS Policy Support



Infrastructure



Funding Status as of 30 June 94

	DASD (IM) APPROVED OPLAN	DISA ANNUAL PROGRAM	ALLOCATION	OBLIGATED	DISBURSED
O & M	2,254.0	1,238.0	1,204.1	1,117.7	0.0
Procurement	0.0	0.0	0.0	0.0	0.0



Ada Dual-Use



Status

Operating Plan Major Activities	Changes, Funds, Manpower, Objectives, New Tasks	Accomplishments Feb - June
	Standards, Complete International Standard 4/95	Ada 9X Passed ISO First Round
	Compilers, Compiler Upgrade 3/95	GNAT Available on SUN, DEC Alpha, etc.
	Validation Test Suites, ACVC Version 2.0 3/95	Tests Streamlined
	Evaluation Test Suite, ACES 9X 3/95	Ada 9X Upgrade Initiated
	Bindings, Several Ongoing Efforts	Bindings Report Issued
	Tools, I-Case now Lower Case 3/95	ATIP Deliverables Coming
	Education & Training, Teaching Artifact CD ROM	Eight Courses Run Initiated Initiatives Air Force Astronautics Dept.



Ada Dual-Use



Status (Cont)

Operating Plan Major Activities	Changes, Funds, Manpower, Objectives, New Tasks	Accomplishments Feb - June
	Transition, Guide and Handbook in Development	Ada 9X Quality & Style Guide Started
	Outreach, Exhibited at 7 Trade Shows	Nine Success Stories Published Success Bulletin Board Newsletter
	NATO Support, Concluding Efforts	PCIS Evaluation Kicked off
	Partners, Early 9X Implementors	Partnership Solidified with SBIS, CASS, JAST, & SQS-53
	Marketing, Ongoing	First Survey Published Initial Ads Hit Street

Ada DUAL USE PROGRAM

Status

The goal of the Ada Dual Use Program is directed toward increasing commercial use of Ada and accelerating the launch of Ada9X.

The following is ~~the~~ Status of the current AJPO activities:

1. Standards: ~~The~~ balloting for the second round of ISO standard completion is expected to be ~~completed~~ in December, 1994. The ANSI/FIPS and numerical algorithm standards are ~~currently~~ in balloting.
2. Compilers: ~~The GNAS~~ compiler is available and being ported at no expense to the government to other platforms and operating systems. It is currently available on OS/2 PC and SCO Unix. Several commercial firms have announced availability of their Ada9X compilers, Sun and Tartan for the Intel version of their products.

We are in process of identifying the requirements for a compiler upgrade to be awarded in March 95. Deleted Validation Test Suites, ACVC & Evaluation Test Suites)

3. Bindings: Let several projects to develop high demand bindings to Ada9X, among these are bindings to POSIX, Motif and SAMedL (SQL).
4. Tools: ICASE requires the use of Ada. Several lower case or programmer toolsets are being investigated to ensure there is a rich tool set available at Ada9X launch. The popular AdaSAGE has completed the port to Motif and is in the testing phase. It will be distributed to all the reuse centers upon completion in August.
5. Education & Training: The vendor community is responding to our request to offer quality Ada9X courses. There have been 8 courses given by three vendors. Six more are scheduled and four are being planned.
6. Transition: The contract via ARPA to the Virginia Center of Excellence to update the Ada Quality and Style Guide has begun.
7. Outreach: The AdaIC conducted exhibits at ~~seven~~ trade shows from Feb to June. Among the conferences were COMDEX and FOSE. There have ~~been~~ nine success stories published in addition to the AdaIC Bulletin Board and Newsletter.

8. NATO Support: The Portable Common Interface Set (PCIS) was printed and distributed for evaluation. This will conclude the NATO activities of the AJPO.
9. Partners: Partnerships have been solidified with SBIS, CASS, JAST and Navy's SQS-53 Sonar. The AJPO will provide in-kind support to these efforts, i.e. training, etc.
10. Marketing: ~~Recent~~ Ada ads appeared in June in Software Magazine, Applications Development Trends, ~~Com~~ Computer World, Embedded Systems Magazine and Dr. Dobbs Journal.



Ada Dual-Use

Activities Remaining in FY94



1. Increase Marketing
2. Establish Partnerships
3. Provide Support and Incentives
4. Reinforce Commitment
5. Maintain Current AJPO Activities

Activities Remaining in FY94:

The tactical approach is to execute a "push-pull" strategy with a five-pronged attack: Increase marketing, establish partnerships, provide support and incentives, re-enforce commitment and maintain current AJPO activities.

1. **Increase Marketing:** Advertisements will continue. Specific telemarketing will follow-up to assess effectiveness.

2. **Establish Partnerships:** Establish an early 9X implementor program with Joint Logistics Systems Center, (JLSC) Program, application for Material Management. Award the University Broad Agency Announcement, by (DISA BAA 94-001) approximately 1 Sep.

3. **Provide Support and Incentives:**

a. Major Crabtree, from West Point, collected an impressive amount of quality Ada teaching artifacts this summer. A CD-ROM is in process of production. This will be distributed to all service schools and private sector academia, upon request.

b. Will provide training to the early Ada9X implementor projects.

c. The Ada Adoption Handbook and Ada Transition Guide are nearing completion. They will be distributed to a limited list of distinguished reviewers, week of 8 August. The goal is to publish by 1 October.

d. We will take delivery of 1993 Ada Technology Insertion Program projects, such as an enhanced AdaSAGE compatible with Motif. Complete the Ada Bindings Plan.

4. **Reinforce commitment:** Complete revision of DISA's Computer Language Policy.

5. **Maintain current AJPO activities:** Update of the Catalog of Resources for Education in Ada and Software Engineering, (CREASE). Updating products and tools database, publishing additional Ada success stories, staffing exhibits at Embedded Systems and Ada in Europe and publishing the quarterly newsletter.



Ada Dual-Use



Funding Status as of 30 June 94

	DASD (IM) APPROVED OPLAN	DISA ANNUAL PROGRAM	ALLOCATION	OBLIGATED	DISBURSED
O & M	0.0	0.0	0.0	0.0	0.0
Procurement	0.0	0.0	0.0	0.0	0.0

Suballocated from DDR&E in FY94



Defense Automation Resources Management Program Status



Operating Plan Major Activities	Changes, Funds, Manpower, Objectives, New Tasks	Accomplishments Feb - June
COTS Product Management	Redistribution of Excess COTS HW & SW. Redistribution previously included in Infrastructure Directorate	Redistribution Cost Benefit = \$52.6 Million.
	ARMS Tool Management	Supported 2,500 System Users. Submitted ARMS Data Elements as Candidates for DOD Standardization. Developed Graphical User Interface and User Computer Based Training.



Defense Automation Resources Management Program

Status (Cont)



<p style="text-align: center;">Operating Plan Major Activities</p>	<p style="text-align: center;">Changes, Funds, Manpower, Objectives, New Tasks</p>	<p style="text-align: center;">Accomplishments Feb - June</p>
<p>ARMS Maintenance and Enhancement</p>	<p>Maintain Inventory of DOD COTS Hardware and Available Capacity Sharing. Inventory & Sharing previously included in Infrastructure Directorate. Maintain Data on Available Capacity Sharing</p>	<p>Increased Inventory by 400,000 items. Provided Management Information to Support Acquisition, Property Mgmt, Maintenance, Utilization and Disposal of Assets, Mobilization and Strategic Planning.</p>
	<p>Donate Excess Computers to Schools, and Selected Colleges and Universities. Computers to Primary & Secondary Schools IAW Exec Order 12821; to HBCU/MI IAW Exec Order 12677.</p>	<p>Donated Computer Equipment Costing \$11.8 million to Educational Institutions</p>

SCRIPT: Defense Automation Resources Management Program
STATUS: Major Operating Plan Activities

The Defense Automation Resource Management Program (or the DARMP) is managed by the Defense Automation Resources Information Center (IARIC). In April, DARIC became a separate Directorate within CIM. Previously, DARIC was a part of the Infrastructure Directorate and DARIC's major activities and resources were included under two active DOD COTS product management and ARMS modernization and enhancement. The ARMS is the automation resources management system, a major DOD system used to support DOD's information technology asset information requirements. In the FY94 Operating Plan, redistribution of commercial-off-the-shelf (COTS) hardware and software was included in infrastructure's project, "COTS Product Management." Since February, DOD cost benefit a result of redistribution total \$52.6 million. The target annual goal for FY94 was \$100 million.

The DARMP also includes maintaining an inventory of over 1.7 million items of COTS hardware that costs approximately \$11 billion. Maintaining the inventory was also included under "ARMS MAINTENANCE AND ENHANCEMENT". The goal of this activity is to support the management of COTS information technology products by increasing the quantity and quality of inventory data, increasing ARMS capabilities, improving the ARMS training program, and by automating data transfer from other IT database. During this reporting period, ARMS data has been provided to DOD asset managers and oversight organization support their objectives. As part of the DARMP, DARIC also advertises DOD and Federal Spare computer capacity. Since February, the number of inventory has increased by 400,000 items.

The historically black colleges and universities and minority institutions automation resources program is a DOD program that was not addressed in the FY94 Operating Plan. The driver for this program is executive order 12677, "historically black colleges and universities". During FY94, this program was expanded to include direct donations. At this new start, there are 108,000 private and public schools eligible for donations. The driver for this program is executive order 12821, "IMPROVING MATHEMATICS AND SCIENCE EDUCATION IN SUPPORT OF THE NATIONAL EDUCATIONAL GOALS." During the February-June timeframe, DARIC transferred DOD computer hardware costing more than \$11.8 million to educational institutions.

The ARMS is used to support the DARMP, and is a candidate migration system. During the reporting period, the number of ARMS users has increased to 2,500 from 1,500 last year at the same time. To support the increasing customer base, the DARIC developed an ARMS graphical user interface and produced computer based training, which supports not only ARMS, but the DARIC functional areas as well. The center has also worked with the DISA component data administrator for standardization of the ARMS data elements, analysis modeling and internal DISA coordination has been completed.



Defense Automation Resources Management Program



Activities Remaining in FY94

- 1. Continue Redistribution Activities. Projected FY94 Cost Benefits - \$118.5 Million**
- 2. Collect and Analyze Data on Computer Capacity Shared in DOD. Estimated FY94 Cost Savings - \$75 Million**
- 3. Continue to Donate Excess Commercial off-the-Shelf (COTS) Hardware to Historically Black Colleges and Universities/Minority Institutions (HBCU/MI) and the Nation's Schools. Estimated FY94 Line Items - 24,000**
- 4. Revise DOD Directive 7950.1 and DOD 7950.1-M**
- 5. Continue to Provide Information and Related Services on IT Assets via Automation Resources Management System (ARMS), Including Standardization of Data Elements**

SCRIPT: Defense Automation Resources Management Program
STATUS: Activities Remaining in FY94

The DARIC will continue redistribution activities, which are estimated to result in a total FY94 cost benefits of \$118.5 million. The reason for the increase in the projected goal of \$50 million is attributed to a significant increase in reported excess hardware and software as a result of DOD downsizing, as well as increased visibility of the redistribution program.

Data collection efforts are underway to identify total DOD savings as a result of sharing excess federal computer capacity rather than buying services on the open market. Projected savings for FY94 are estimated to be about \$75 million.

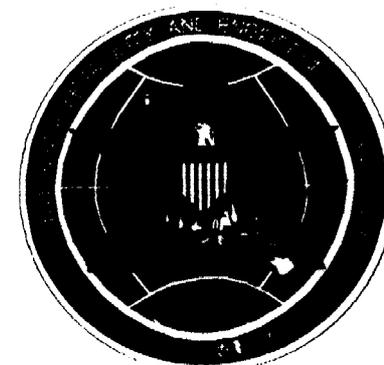
We expect donations to schools to continue at an accelerating pace. This new program is getting high visibility (including from several congressional offices). We project that by the end of this fiscal year, over 24,000 line items of computer hardware will be donated to the nation's Educational Institutions.

During the remainder of FY94, we will concentrate on staffing rewrites of DOD directive 7950.1 and DOD 7950.1-M, which are the DARMP policies and implementing procedures. Both the directive and the manual include updated references, reporting requirements, and introduction of the educational institutions donation program.

The DARIC will continue to provide information technology asset information and related services through the ARMS, and will develop interfaces with other information technology asset repositories, including the defense reutilization and marketing automated information system for disposal of assets. DOD-WIDE coordination of the candidate information technology standard data elements will be conducted during the last quarter of FY94.



Defense Automation Resources Management Program



Funding Status as of 30 June 94

	DASD (IM) APPROVED OPLAN	DISA ANNUAL PROGRAM	ALLOCATION	OBLIGATED	DISBURSED
O & M	0.0	626.0	600.2	517.2	339.6
Procurement	0.0	0.0	0.0	0.0	0.0



Center for Architecture

Status



Operating Plan Major Activities	Changes, Funds, Manpower, Objectives, New Tasks	Accomplishments Feb - June
TAFIM	Identified need for electronic TAFIM	TAFIM Version 2.0 (Vol 1-4, 6, 8) completed & coordinated
DII	Develop DII Prototype Architecture Megacenter Sub-architecture	Coordination draft of DII concept completed First draft of DII Enterprise Architecture completed Completed Baseline characterization of 3 DII Migration Prototype Sites
IMC		Developed two baseline Network/System Management Architecture Completed Preliminary COE Document

SCRIPT: Center for Architecture
STATUS:

Technical Architecture Framework for Information Management (TAFIM)

This project continues the development and institutionalism of the TAFIM which provides architectural, standards, methodology, and information technology guidance for all future DoD enterprise, mission, data, application, functional and technical architectures. This project also supports the joint service and agency Architecture Methodology Working Group that coordinates the TAFIM development and approval DoD wide.

CHANGES to FY94 OPLAN: The need for the development of an electronic version of the TAFIM has been identified. The information in the TAFIM is currently contained within eight paper volumes. There is a need for a fast, cost effective method to disseminate the TAFIM. The objective of the first electronic version is to convert the entire TAFIM into an SGML format, provide graphics and word search hypertext links. Volumes 5 and 7 will not be included in this first version because they are still in the development phase.

ACCOMPLISHMENTS: Version 2.0 has completed the development cycle. Volumes 1-4, 6 and 8 will be forwarded for DASD (IM) approval. Volumes 5 and 7 will continue development.

DII ARCHITECTURE

This project directly supports ASD(C3I), DISA, DISO and the DISA Strategic planners by providing an understandable architecture that: defines the future DII and its inherent subarchitectures; provides strategic decision opportunities for technology insertion; and provides a benchmark against which information system POM decisions can be evaluated.

CHANGES to FY94 OPLAN: Two new subtasks were added.

(1) Develop a baseline characterization of the Defense Megacenters to help in further refining the baseline and goal DII Enterprise Architecture.

(2) Develop a baseline characterization of the DII Migration Prototype sites in support of CFI&I. This also supports the baseline characterization of the Base Level subarchitecture of the DII Enterprise Architecture.

ACCOMPLISHMENTS:

(1) The coordination draft of the DII Concept has been completed and is being prepared for distribution.

(2) The first drafts of the DII Enterprise Architecture are complete. The coordination draft is under development and will be published in August 94.

(3) Completed the Baseline Characterization of three DII Migration Prototype sites: Camp Pendleton, CA; Fort Bragg, NC; and Barksdale AFB, AZ.

SCRIPT: Center for Architecture
STATUS: (continued)

INTEGRATED MANAGEMENT CENTERS (IMC)

This project develops IMC Target Technical Architectures to improve DII IMC migration planning, configuration management and acquisition. This project will produce an electronic version of the DII IMC "to-be" Target Architecture and analyze it against the current DII IMC "as is" architecture. The results of the analysis will be provided to DISA engineers and operations, the Services, Joint Staff, CINCs and components for migration planning, configuration management, and acquisition decisions.

There are no changes to the FY94 OPLAN.

ACCOMPLISHMENTS:

- (1) Developed the Level II Network/System Management (ACOC) baseline for DISA EUR and for DISA PAC.
- (2) Collected baseline data for Level I prototype IMC at Columbus, OH and for baseline Level II IMC prototype, NOC at DISA HQs.
- (3) Completed the preliminary IMC Common Operating Environment (COE) document.



Center for Architecture

Activities Remaining in FY94



1. TAFIM

- Continue development of Volume 5 & 7
- Develop initial electronic version
- Develop training program

2. DII

- Publication of DII concept
- Coordination of DII Enterprise Architecture
- Development of Baseline Characterization of Defense Megacenters
- Baseline Characterization of two DII Migration Prototype Sites

3. IMC

- Finalize baseline architecture at two sites
- Finalize COE documentation
- Conduct site data collection at Fort Ritchie

Activities Remaining in FY94

TAFIM

- (1) Continue development of Volumes 5 and 7 based on community (service and agency) comments.
- (2) Develop the initial electronic version of TAFIM to include a full SGML database, graphics, and word search hypertext links.
- (3) Develop a TAFIM training program.

DII

- (1) Publish the DII Concept.
- (2) Coordinate and publish the draft DII Enterprise Architecture.
- (3) Develop the Baseline Characterization of Defense Megacenters.
- (3) Conduct the Baseline Characterization of DII Migration Prototypes sites at NAB Coronado, CA and Warner-Robins AFB, GA.

IMC

- (1) Finalize the Baseline Architecture for Level I prototype IMC at Columbus, OH and for Level II prototype IMC at DISA HQs-NOC.
- (2) Conduct the data collection and architecture development for Level II IMC Ft Ritchie, MD.
- (3) Finalize the COE documentation.



Center for Architecture



Funding Status as of 30 June 94

	DASD (IM) APPROVED OPLAN	DISA ANNUAL PROGRAM	ALLOCATION	OBLIGATED	DISBURSED
O & M	4,213.0	3,587.4	3,587.4	3,227.4	161.5
Procurement	0.0	0.0	0.0	0.0	0.0



Center for Standards



Status

Operating Plan Major Activities	Changes, Funds, Manpower, Objectives, New Tasks	Accomplishments Feb - June
IT Standards Coordination/ LSA	Omitted publishing FY95 Standards Program Plan Conducting Requirements Definition for Profiling and Standards Assessment Tool	ITSI BBS Continues to Serve as a Vehicle for Coordination (over 700 Users) and Standards Information Reviewed and Offered Comment to MCCR Plan Chaired Two SCC Meetings and One Special Issue Meeting Regarding Warfighter Symbology



Center for Standards



Status (Cont)

Operating Plan Major Activities	Changes, Funds, Manpower, Objectives, New Tasks	Accomplishments Feb - June
Enhanced DOD Information Systems Security Standards	Advocating DoD Security Requirements in X/Open RTG	Drafted "An Abstract Model for InfoMgmt within the Framework of the DOD Goal Security Architecture" (DGSA) "DOD INFOSEC Standards Activities Quarterly Report: 8 Mar 94 & 10 Jun 94" ISWG Charter approved by SCC Coordinated DOD inputs to IEEE POSIX Security Working Group's, Security Framework Coordinated MIL-STD 2045-48501, "Common Security Label" with NIST & SD-1



Center for Standards



Status (Cont)

Operating Plan Major Activities	Changes, Funds, Manpower, Objectives, New Tasks	Accomplishments Feb - June
Migration to Open Systems Environment	Developing Framework for PC Procurement Policy Working With Industry on Public Windows Interface In Final Coordination of TAFIM, Vol. 7, "Automated Information Technology Standards"	Validated Test Specs & Built Compiler for E-Forms Conformance Testing Developed Parts of the Standard for Exchange of Product Model (STEP) Established Working Group for Integration of JCALS SGML Convention into CALS Specs

SCRIPT: Center for Standards
Status

The CIM standards projects are focused in the three main activities described below:

- The IT standards coordination/lead standardization activity (LSA)
 - - tasked by ASD(C3I)
 - - form partnerships with industry
 - - achieve coherence, consistency and visibility of standards
 - - accelerate availability of standards.
 - - success:
 - - - bulletin board use continues to increase, used to coordinate standards.
 - - - provided constructive review and comment on MCCR Plan advocating closer linkage with IPSC standardization
 - - - Changes/New Tasks
 - - - - Omitted publishing an FY95 Program Plan to direct support \$ onto more concrete deliverables.
 - - - - conducting requirements definition for profiling and standards assessment tool.
- Enhanced DOD Information Systems Security Standards
 - - identifying DOD security standards needs
 - - leveraging industry/government alliances
 - - advocating DOD requirements in national/international standards bodies
 - - success:
 - - - enjoyed great support for the ISWG
 - - - DGSA presented to X/Open - positive reception
 - - - achieved strong consensus on "Common Security Label"
- Migration to Open Systems Environment
 - - focuses on automated data processing needs
 - - advocacy in commercial/NGVSBs
 - - success:
 - - - completed E-forms compiler enabling conformance testing
 - - - significant contribution to STEP standards
 - - - established WG for integrating JCALS SGMML convention into CALS spec
 - - current activity:
 - - - developing framework of requirements and standard profile for a DOD PC procurement policy

- - - working with industry, OSF/X-Open on the Public Windows Interface enabling UNIX O/S support of DOS/Windows applications.

- - - in final coordination phase for TAFIM, Vol7 to insert DoD-wide IT standards guidance.



Center for Standards



Activities Remaining in FY94

- 1. IT Standards Coordination/LSA**
- 2. Enhanced DOD Information Systems Security Standards**
- 3. Migration to Open Systems Environment**

SCRIPT: Center for Standards
Activities Remaining in FY 94:

The CIM Standards project remaining consists of three Activities. They are shown in this chart. I will provide a short synopsis of each activity.

The IT standards Coordination/LSA accomplishes the objectives tasked by the ASD C3I to coordinate and manage standards and act as the Lead Standardization Activity (LSA) for four key information Technology standards areas. Its focus is to carry out the executive agent role by forming partnerships and alliances within the department and the industry and achieve coherence, consistency and visibility of the standards and accelerate the availability of standards critical to DOD.

The Enhanced DOD Information Systems Security activity is to identify coherent and comprehensive set of information system security needs of the DOD and then leverage the industry/government alliances to incorporate the DOD's needs into international and national standards.

The Migration to Open Systems Environment activity focusses primarily on DOD's automated data processing needs and promotes their incorporation into national/international standards.

The FY 94 program had two other activities which supported the warfighter information technology needs. They are not listed here since these two projects were closed out as CIM activities in December 93.



Center for Standards

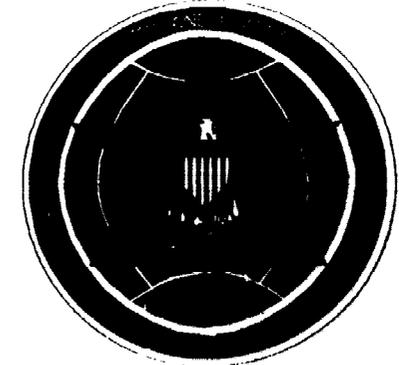


Funding Status as of 30 June 94

	DASD (IM) APPROVED OPLAN	DISA ANNUAL PROGRAM	ALLOCATION	OBLIGATED	DISBURSED
O & M	3,136.0	1,920.0	1,903.2	1,431.5	524.4
Procurement	0.0	0.0	0.0	0.0	0.0



Center for Test and Evaluation



Status

Operating Plan Major Activities	Changes, Funds, Manpower, Objectives, New Tasks	Accomplishments Feb - June
Executive Agent for Information Systems Testing	Reoriented Standards Efforts to Maintain Focus on DOD Program Support FY95 Focus on Educating DOD Acquisition Corps on Infrastructure Increase Emphasis on Interoperability in FY95	Contributed through DTMP to MIL-HBKs 828A and 1350-1 Completed Initial Survey of Test Programs Product Register Database is on line Initial Program Chart Delivered to OASD



Center for Test and Evaluation



Status (Cont)

Operating Plan Major Activities	Changes, Funds, Manpower, Objectives, New Tasks	Accomplishments Feb - June
Open Systems Interoperability Testing Program	Minimal Effort in FY94 Due to Funding Constraints. Harmonization of Interoperability Testing Standards Delayed in FY94 Becomes Key Target in FY95. Work through EA Program to Facilitate Reuse of Infrastructure Avoiding Duplication.	Maintained Infrastructure Established During FY93. Coordinated Development of Interoperability Test Tools for DMS Protocols.



Center for Test and Evaluation



Status (Cont)

Operating Plan Major Activities	Changes, Funds, Manpower, Objectives, New Tasks	Accomplishments Feb - June
OSE Conformance Testing Program	Funding Level Supported Maintenance of Core Capability only: - New Conformance Test Capability for Some Standards Delayed - JCALS and EC/EDI Support Require High Priority Early in FY95	Supported DTMP and OIW Workshops Quarterly Calibrated Means of Test for Application and Application Support Standards Submitted Means of Test Calibrated Methodology for International Harmonization

SCRIPT: Center for Test and Evaluation
Status

JITC is the Joint Interoperability and Engineering Organization (JIEO) Center for Test and Evaluation serving as the DISA's primary agent for testing, evaluation, and certifying command and control and information systems standards and systems interfaces employed in joint and combined operations.

As EA for IST, JITC maintains a primary focus on continuous improvement of the information systems testing process. JITC has developed a methodology for right sizing IS test efforts and providing decision support to program managers. This Continuous Comprehensive Evaluation (CCE) methodology is aimed at maximizing user participation and feedback during the evaluation process. The goal of this type of evaluation process is to permit the user to participate materially in the development process and decrease cost and time requirements of traditional life-cycle testing paradigms. JITC is actively building on the infrastructure established by CIM initiatives to support DoD programs and provide the best "bang for the buck".

JITC fully supports Mr. Perry's vision of increased access to commercial state of the art technology and facilitation of business processes characteristic of world class suppliers. As EA for IST, JITC has used CIM initiatives as a vehicle for implementing a solid infrastructure capable of supporting a Government and Industry synergism which maximizes benefit to both.

Enforcement plays a key role within a comprehensive program to apply commercial products to meet information processing requirements in support the warfighter. The JIEO centers work in concert to create the cradle to grave support required to manage the incorporation of standards based commercial products to satisfy defense requirements. Each center has a key role. The JITC role is objective verification of vendor claims, and provision of "one stop shopping" through the registers of validated products. Test results from multiple sources are evaluated through the continuous comprehensive evaluation program.

The Open Systems Interoperability Program and OSE Conformance Test Program Provide key data points for informed decisions regarding the acquisition of standards based products.



Center for Test and Evaluation



Activities Remaining in FY94

1. **Executive Agent for Information Systems Testing**
2. **Open Systems Interoperability Testing Program**
3. **OSE Conformance Testing Program**

JTFIRP: Center for Test and Evaluation
Activities Remaining in FY94
Executive Agent for Information Systems Testing

This slide summarizes the first of the three major CIM activities at JITC during FY 94. The EA for IST maintains oversight and makes the connection between the major DoD programs (JCALS, EC/EDI, etc) and the supporting infrastructure of the standards test programs.

The standards efforts must periodically be examined and prioritized in order to maintain support of DoD program requirements. JITC program support to DMS is in the execution stage. Additional standards will be added to the infrastructure as we prepare to support the challenges of reinventing government.

EA supports the process improvements recommended by the Acquisition Process Action Team. JITC is prepared to make a key contribution through education of the DoD acquisition corps to facilitate understanding of the available testing infrastructure.

Interoperability is a primary mission focus for the JITC, and we support the recommendation of the FIRP to increase focus on testing interoperability of standards based products. The challenge to master is the achievement of an appropriate balance between acceptable quality of service; technical, cost, and schedule risks; and test program expense. EA is actively focusing on the definition of quantitative measures for decision support in these areas.

A comprehensive program chart [refer to hardcopy] is electronically available. The comprehensive chart identifies commercial and government test facilities, registers of validated products, and points of contact, and other detailed information. The chart is continuously updated and will reflect detailed information on test methods and level of assurance to be expected.

SCRIPT: Center for Test and Evaluation
Activities Remaining for FY 94
Open Systems Interoperability Testing Program

Only minimal effort was applied to the core interoperability test program during the reporting period, due to limitations in funding.

The core interoperability test program was maintained to coordinate the DMS funded development of interoperability test tools in support a current acquisition. This is primarily in support of the application oriented and data communications TAFIM service areas.

Support across other key service areas such as document interchange had a delayed start and will require concentrated effort through FY 95.

The delayed harmonization of interoperability test standards represents another key area. Harmonization will provide greater opportunities for recognition and reuse of test results from multiple sources (service, agency, commercial, international) and help control the cost to DoD which would be associated with military unique testing.

SCRIPT: Center for Test and Evaluation
Activities Remaining in FY 94
OSE Conformance Testing Program

The core capability of the OSE conformance test program was maintained during the reporting period. Key activities included active participation in working groups through the DTMP and OIW. JITC participated in partnership with NIST in the international harmonization of Means Of Test (MOT) calibration methodology. The methodology developed under the CIM initiative was submitted as a US contribution into the international standards organization process.

MOT calibrations for application and application support standards was accomplished as a fee for service activity sponsored by the commercial test tool vendors.

As with the interoperability program, the available level of funding caused a delay in the support of conformance testing for JCALS and EC/EDI standards based products.



Center for Test and Evaluation



Funding Status as of 30 June 94

	DASD (IM) APPROVED OPLAN	DISA ANNUAL PROGRAM	ALLOCATION	OBLIGATED	AVAILABLE BALANCE	DISBURSED
O & M	2,515.0	1,491.0	1,491.0	1,278.8	212.2	435.7
Procurement	0.0	0.0	0.0	0.0	0.0	0.0