Defense Logistics Agency
FY 2000/2001 RDT&E PROGRAM   EXHIBIT R-1

APPROPRIATION: 0400D Research Development Test & Eval, Defwide   Date: FEB 1999

Line No	Program Element Number	Item	Act	FY 1998	FY 1999	FY 2000	FY 2001	SEC
36	0603712S	Generic Logistics R&D Technology Demonstrations	3	33,945	23,718	17,336	19,676	U
46	0603753S	Electronic Commerce Resource Centers	3	46,421				U
56	0603805S	Dual Use Application Programs	3		5,982			U
		Advanced Technology Development		**80,366**	**29,700**	**17,336**	**19,676**	
117	0605798S	Defense Technology Analysis	6	8,542	7,978	4,974	5,076	U
119	0605801S	Defense Technical Information Center	6	45,413				U
120	0605803S	R&D in Support of DoD Enlistment, Testing and Evaluation	6	8,016	8,151	8,261	8,825	U
		RDT&E Management Support		**61,971**	**16,129**	**13,235**	**13,901**	
158	0708011S	Industrial Preparedness	7	25,403	26,036	6,665	7,392	U
		Operational Systems Development		**25,403**	**26,036**	**6,665**	**7,392**	
161	0909999S	Financing for Cancelled Account Adjustments	7	75				U
		Operational Systems Development		**75**				
		Total Defense Logistics Agency		**167,815**	**71,865**	**37,236**	**40,969**	

FY 2000-2001 BIENNIAL BUDGET REVIEW

RDT&E BUDGET ITEM JUSTIFICATION SHEET (R-2 Exhibit)			DATE: FEBRUARY 1999							

APPROPRIATION/BUDGET ACTIVITY: RTD&E, Defense-Wide/Budget Activity 3			Program Element: 0603712S LOGISTICS R&D TECHNOLOGY DEMONSTRATION							

COST (MILLIONS)	FY 98	FY 99	FY 00	FY 01	FY 02	FY 03	FY 04	FY 05	COST TO COMP	TOTAL
TOTAL PROGRAM ELEMENT	33.945	23.718	17.336	19.676	20.147	21.052	22.745	24.150	Cont	Cont
#1: User-Source Link	4.646	3.888	3.848	0.000	0.000	0.000	0.000	0.000	0.000	12.382
#2: Rule-based Decisions	2.226	2.293	2.089	0.000	0.000	0.000	0.000	0.000	0.000	6.608
#3: Material Acquisition: Electronics	4.257	4.985	5.229	6.013	6.196	6.386	6.386	6.357	Cont	12.374
#4: Advanced Logistics Support	2.901	3.789	3.848	1.836	0.000	0.000	0.000	0.000	0.000	3.596
#5: Advanced Technology Integrator	1.741	1.855	0.000	0.000	0.000	0.000	0.000	0.000	0.000	3.601
#6: Intelligent Demand Manager	0.000	0.000	1.424	1.975	1.989	2.145	2.192	2.234	Cont	Cont
#7: Computer to Computer Negotiations	0.000	0.000	0.000	2.339	3.204	3.264	3.151	2.251	Cont	Cont
#8: Pay Per Use Logistics System	0.000	0.000	0.000	1.465	2.385	2.413	2.492	1.967	Cont	Cont
#9: Aging Aircraft Sustainment Technology	0.000	0.000	0.000	4.074	4.383	4.830	5.200	5.443	Cont	Cont
#10: Virtual Reality Medical Assembly	0.000	0.000	0.000	1.974	1.990	2.014	2.050	2.093	Cont	Cont
#11: Future Logistics R&D Requirements	0.000	0.000	0.000	0.000	0.000	0.000	1.274	3.805	Cont	Cont
#12: On Demand Manufacturing/CATT	5.783	6.908	0.898	0.000	0.000	0.000	0.000	0.000	0.000	13.589
#13: Gulf Coast Maritime Center	2.884	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	2.884
#14: Defense MicroElectronics Activity	9.507	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	9.507

A. Mission Description & Budget Item Justification: The DoD logistics vision calls for providing flexible, cost effective and prompt materiel support, logistics information and services, achieving the leanest possible infrastructure and the employment of the best commercial and government sources and practices. The DLA Logistics R&D program will develop and demonstrate high risk, high payoff technology that will provide a significantly higher level of support at lower costs, than would be otherwise attainable. The DLA program is a key part of the DARPA/DLA Advanced Logistics Program. Focused Logistics is one of the five basic tenants of Joint Vision 2010. The DLA logistics R&D program contributes directly to achieving JV 2010's vision of logistics "support in hours or days versus weeks." The objective of the Advanced Logistics Program is to collaborative environment which will allow the Operations community (J3) and Logistics planning community (J4), TRANSCOM, and DLA to seamlessly interact on operations planning and execution of wartime operations. In addition, DLA will use the same system in peacetime to significantly reduce Logistics Response Time and reduce the cost of DLA operations while maintaining readiness.

FY 2000-2001 BIENNIAL BUDGET REVIEW

RDT&E BUDGET ITEM JUSTIFICATION SHEET (R-2 Exhibit)	DATE: FEBRUARY 1999
APPROPRIATION/BUDGET ACTIVITY: RTD&E, Defense-Wide/Budget Activity 3	Program Element: 0603712S LOGISTICS R&D TECHNOLOGY DEMONSTRATION

#1 USER-SOURCE LINK: Effort links DoD parts consumers with suppliers, enabling users to decide on price, quality, packaging, quantity, and ordering. Effort will significantly reduce DLA's overhead and inventory costs as more direct vendor deliveries will be attainable. The program provided the technical infrastructure for the DoD EMALL.

#2 RULE-BASED DECISIONS: Automates decision processes in buying, cataloging and item management that are strictly rule-based, to increase turnarounds and decreasing labor costs. First thrust concentrates on procurement activities, followed by item management and cataloging functions.

#3 MATERIAL ACQUISITIONS: ELECTRONICS: Will fund continued enhancement of Generalized Emulation of Microcircuits effort and continue the Advanced Microcircuit Emulation (AME) which started in FY 97. Program reduces weapons system support costs by providing an alternative to circuit board redesigns and lifetime buys. To date, GEM has delivered 14,000 microcircuits of 140 different types to 31 different weapon systems.

#4 ADVANCED TECHNOLOGY LOGISTICS SUPPORT NETWORK (ATSN): Effort develops a total logistics approach to applying advanced decision supports to center's goals well into the next century. Emphasis on cost-effective resourcing for wartime needs, customer choices, and fast, predictable deliveries.

#5 ADVANCED TECHNOLOGY INTEGRATOR: Will demonstrate prototypes of new material handling and distribution equipment in DoD depots prior to full scale implementation. Targets are storage, distribution and receiving processes, incorporating automatic identification technologies.

#6 INTELLIGENT DEMAND MANAGER: Will demonstrate improved wholesale supply availability that can be attained from real time tracking of spares consumption at the lowest level of the supply system by developing advanced data mining and data visualization technologies.

#7 COMPUTER TO COMPUTER NEGOTIATIONS: Will reduce the time to negotiate, award, and modify contracts, to enable DLA and its suppliers to respond rapidly to changes in supply and demand in peace and war by allowing machines to reconcile selected differences between the government and suppliers.

#8 PAY PER USE LOGISTICS SYSTEM: Will develop flexible, cost effective alternatives to software development that overcome the delays and expense associated with traditional logistics systems development.

#9 AGING AIRCRAFT SUSTAINMENT TECHNOLOGY: Aging systems take progressively more time and money to maintain. This program develops, tests and transfers cost effective logistics support technologies on such systems as B-52, KC-135, and C-130 and other aircraft and related systems that remain in use well beyond their design life.

FY 2000-2001 BIENNIAL BUDGET REVIEW

RDT&E BUDGET ITEM JUSTIFICATION SHEET (R-2 Exhibit)	DATE: FEBRUARY 1999
APPROPRIATION/BUDGET ACTIVITY: RTD&E, Defense-Wide/Budget Activity 3	Program Element: 0603712S LOGISTICS R&D TECHNOLOGY DEMONSTRATION

#10 VIRTUAL MEDICAL ASSEMBLY: Lower costs in assembly process, by allowing users to accurately visualize form, fit, function and utility before investing large sums of money to procure the assemblies.

#11 FUTURE LOGISTICS R&D REQUIREMENTS: These funds will accelerate the transition of technology to the DLA, so that dramatic improvements in supply support can be undertaken. The alternative is for the Agency to slowly follow in the footsteps of Commercial supply practices, rather than to be the leader in Logistics effectiveness and military readiness.

#12 ON DEMAND MANUFACTURING/CATT: This program has established a network of suppliers and technology for long lead time, difficult to procure, weapons systems spares. FY 00 is the final year of the program.

#13 GULF COAST MARITIME CENTER: Develop simulations based design systems.

#14 DEFENSE MICROELECTRONICS ACTIVITY: Addresses DoD microelectronics problems by redesigning or re-engineering printed wiring assemblies and higher level electronics subsystems.

B. Program Change Summary:

	COST IN MILLIONS			
	FY 98	FY 99	FY 00	FY 01
President's Budget Submission:	21.554	17.788	18.210	18.594
Adjustment to Appropriated Value:	+12.391	+5.930	-.874	+1.082
Current Budget Submission:	33.945	23.718	17.336	19.676

Change Summary Explanation: FY 98 reflects +$12.391 million for two DoD internal realignments from DARPA to DLA for Gulf Coast Maritime Center (+2.884) and the Defense Microelectronics Activity (+9.507). FY 99 net adjustment reflects a congressional add, +$6 million for CATT and -$70 thousand in congressional undistributed reductions. FY 00 and FY 01 relfect the net of re-scoped/new project(s) emphasis and inflation reductions.

FY 2000-2001 BIENNIAL BUDGET REVIEW

RDT&E BUDGET PROJECT JUSTIFICATION SHEET (R-2a Exhibit)	DATE: FEBRUARY 1999

APPROPRIATION/BUDGET ACTIVITY: RTD&E, Defense-Wide/Budget Activity 3	Program Element: 0603712S LOGISTICS R&D TECHNOLOGY DEMONSTRATON

COST (MILLIONS)	FY 98	FY 99	FY 00	FY 01	FY 02	FY 03	FY 04	FY 05	COST TO COMP	TOTAL
#1: USER-SOURCE LINK	4.646	3.888	3.848	0.000	0.000	0.000	0.000	0.000	0.000	12.382

A. Mission Description and Justification

User-Source Link will dramatically change the current logistical system as it exists today. DLA will offer users choices on sourcing, packaging, quality levels and shipping that were previously decided by our Inventory Control Points. The user will also be able to place the order on a pre-negotiated price schedule established by DLA. This will be accomplished by linking the user of parts with the suppliers. The initial phase will involve linking users to suppliers through a set of query servers. This will eliminate the need for suppliers to continually provide product information updates to the Government. Instead, the query servers will go to the suppliers organic product databases and retrieve the information for the user. The final phase of this effort will involve the use of "Agents." Software agents will travel between suppliers catalogs retrieving the information requested by the user without the use of query servers.

This project is needed to provide the DoD's customers with the information they need to make an informed buying decision. It will enable DLA to significantly reduce its overhead costs which are ultimately passed on to our customers. More direct vendor deliveries will result from this link which will reduce inventories. The use of suppliers part data will reduce the need for establishing NSNs and other cataloging data. Post-acquisition support problems and the resources necessary to solve them will go down as the users can interactively make their specific requirements known.

(U) Program Accomplishments and Plans:

(U) FY 1998:
  All DLA managed items will be visible and available to order by DLA customers regardless of whether the stock is held by DLA Depots or in private industry's finished goods inventory. The US Link technology was transferred into the production EMALL system which is being deployed DoD-Wide.

(U) FY 1999:
  Will demonstrate capability to use XML business transactions.

(U) FY 2000:
  Final development capability using highly distributed catalogs for EMALL.

(U) FY 2001: N/A

FY 2000-2001 BIENNIAL BUDGET REVIEW

RDT&E BUDGET PROJECT JUSTIFICATION SHEET (R-2a Exhibit)			DATE: FEBRUARY 1999								
APPROPRIATION/BUDGET ACTIVITY: RTD&E, Defense-Wide/Budget Activity 3			Program Element: 0603712S LOGISTICS R&D TECHNOLOGY DEMONSTRATON								
COST (MILLIONS)	FY 98	FY 99	FY 00	FY 01	FY 02	FY 03	FY 04	FY 05	COST TO COMP	TOTAL
#1: USER-SOURCE LINK	4.646	3.888	3.848	0.000	0.000	0.000	0.000	0.000	0.000	12.382

B. Program Change Summary:

```
                                          COST IN MILLIONS
                                 FY 98      FY 99      FY 00      FY 01
President's Budget Submission    4.646      3.900      3.900      0.000
Adjustment to Appropriated Value -----      -.012      -.052      -----
Current Budget Submission        4.646      3.888      3.848      0.000
```

Change Summary Explanation: N/A

C. Other Program Funding Summary:
     No funding dependencies on other programs.
     Related programs: ARPA's Fast program (PE #62301E); ARPA's Advanced Logistics program P.E.

D. Schedule Profile:
     US LINK will test links among DLA Inventory Control Points and Navy/Army/AF customer sites, and private industry.

```
                                                 FY 98      FY 99      FY 00
                     Quarters                    1234       1234       1234
Phase I:    Add Vendors/DLA Items                X
Phase I:    Continue Query—server software development  X
Phase I:    DLA beta-test initial demo           XXXX
Phase II:   Army/Navy/AF/USMC beta-test demo      XX
Phase II:   Agent Development Solicitation & Award          X          X
Phase II:   Agent Beta Testing                            XXX
Phase II:   XML Demonstrations                            XX
Phase II:   Deploy final fully distributed capability              XXXX
```

FY 2000-2001 BIENNIAL BUDGET REVIEW

RDT&E BUDGET PROJECT JUSTIFICATION SHEET (R-2a Exhibit)	DATE: FEBRUARY 1999
APPROPRIATION/BUDGET ACTIVITY: RTD&E, Defense-Wide/Budget Activity 3	Program Element: 0603712S LOGISTICS R&D TECHNOLOGY DEMONSTRATON

COST (MILLIONS)	FY 98	FY 99	FY 00	FY 01	FY 02	FY 03	FY 04	FY 05	COST TO COMP	TOTAL
#2: AUTOMATE RULE-BASED DECISIONS	2.226	2.293	2.089	0.000	0.000	0.000	0.000	0.000	0.000	6.608

A. Mission Description and Justification

The system being developed under the Automated Rule Based Decision thrust is called DELTA. The DELTA system shall improve DLA's business practices by enabling the DLA to move away from its current business practice of procuring items one requisition at a time (usually as the DLA customers' needs arise). This will be accomplished by:

1. Creation, maintenance, and utilization of an electronic portfolio of best EDI/EC business practices and their related long term arrangements with suppliers.
2. Enabling the negotiating long term flexible business arrangements ahead of time with leading industry suppliers and third party supply chain management logistician.
4. Allowing customers to execute purchasing actions interactively against these arrangements.
5. Electronically executing purchasing actions against such arrangements, without human interaction, based on electronically stored source selection rules about customer preferences.
6. Utilizing cutting edge technology (including: knowledge acquisition; expert systems; case based reasoning; natural language processing; CORBA information agents, mediators and sentinels) to accomplish the above.

(U) Program Accomplishments and Plans:
(U) FY 1998:
    Developed the Single user registration system which was first implemented in the DLA Electronic Mall.
    Developed the Modular Order Management system which was first implemented in the DLA Electronic Mall.
    Processing bulk requirements that are mechanically generated by the Service supply systems against the same commercial sources of supply available to the EMALL, in a non-interactive mode (without human intervention of any kind).
    DELTA will be the first prototype of the DARPA cluster architecture, which is the highly distributed agent based architecture being developed under the Advanced Logistics Program.
(U) FY 1999:
    Processing bulk requirements that are mechanically generated by the Service supply systems against government owned inventory, bypassing the need for legacy system processing of customer requirements that are to be filled from DLA Depots.

FY 2000-2001 BIENNIAL BUDGET REVIEW

RDT&E BUDGET PROJECT JUSTIFICATION SHEET (R-2a Exhibit)	DATE: FEBRUARY 1999
APPROPRIATION/BUDGET ACTIVITY: RTD&E, Defense-Wide/Budget Activity 3	Program Element: 0603712S LOGISTICS R&D TECHNOLOGY DEMONSTRATON

COST (MILLIONS)	FY 98	FY 99	FY 00	FY 01	FY 02	FY 03	FY 04	FY 05	COST TO COMP	TOTAL
#2: AUTOMATE RULE-BASED DECISIONS	2.226	2.293	2.089	0.000	0.000	0.000	0.000	0.000	0.000	6.608

(U) Program Accomplishments and Plans (con't):
(U) FY 2000:
   Integration of best of commercial practices in Supply Chain Management into the DLA operational business processes.
(U) FY 2001: N/A

B. Program Change Summary:

```
                                      COST IN MILLIONS
                            FY 98        FY 99        FY 00        FY 01
President's Budget Submission   2.226        2.300        1.900        0.000
Adjustment to Appropriated Value  -----       -0.007       +.189        -----
Current Budget Submission       2.226        2.293        2.089        0.000
```

Change Summary Explanation: FY 00 reflects added scope of effort.

C. Other Program Funding Summary:
    No funding dependencies on other programs.
    Related programs: ARPA's Intelligent Integration of Information (I-3) program (PE #62301E) Knowledge Sharing Initiative.

FY 2000-2001 BIENNIAL BUDGET REVIEW

RDT&E BUDGET PROJECT JUSTIFICATION SHEET (R-2a Exhibit)	DATE: FEBRUARY 1999
APPROPRIATION/BUDGET ACTIVITY: RTD&E, Defense-Wide/Budget Activity 3	Program Element: 0603712S LOGISTICS R&D TECHNOLOGY DEMONSTRATON

COST (MILLIONS)	FY 98	FY 99	FY 00	FY 01	FY 02	FY 03	FY 04	FY 05	COST TO COMP	TOTAL
#2: AUTOMATE RULE-BASED DECISIONS	2.226	2.293	2.089	0.000	0.000	0.000	0.000	0.000	0.000	6.608

D. Schedule Profile:

```
                                                    FY 98        FY 99        FY 00        FY 01
                            QUARTERS                 1234         1234         1234         1234
Bulk Requirement processing (commercial sources)    XXXX
Bulk Requirements processing (government sources                 XXXX
Requirements assessment of Best Commercial Practices XXXX
Component development of Best Commercial Practices               XXXX
Testing and development of Best Commercial Practices                          XXX
Prototype delivery                                                                         X
```

FY 2000-2001 BIENNIAL BUDGET REVIEW

RDT&E BUDGET PROJECT JUSTIFICATION SHEET (R-2a Exhibit)	DATE: FEBRUARY 1999
APPROPRIATION/BUDGET ACTIVITY: RTD&E, Defense-Wide/Budget Activity 3	Program Element: 0603712S LOGISTICS R&D TECHNOLOGY DEMONSTRATON

COST (MILLIONS)	FY 98	FY 99	FY 00	FY 01	FY 02	FY 03	FY 04	FY 05	COST TO COMP	TOTAL
#3: MATERIAL ACQUISITION: ELECTRONICS	4.257	4.985	5.229	6.013	6.196	6.386	6.386	6.357	Cont	Cont

A. Mission Description and Justification

Develop a capability to emulate most obsolete digital integrated circuits (ICs) in the federal catalog using a single, flexible manufacturing line. DoD has estimated that $2.9B is spent every five years in redesigning circuit card assemblies. Much of these redesigns are driven by IC obsolescence. The commercial suppliers of ICs typically terminate production lines every 3 years or less, moving on to the next generation of ICs. Because DoD maintains weapons systems much longer than 3 years, this creates an obsolescence problem that can only be overcome through buying excessive inventories of parts before the production lines close or redesigning the next higher assembly to eliminate the obsolete part. DLA, as the manager of over 80% of the IC supply class, must have a capability to manufacture these devices. This project will develop this capability and expand it to succeeding generations of obsolete ICs through the Advanced Microcircuit Emulation program.

(U) Program Achievements and Plans:

(U) FY 1998:
  Development and demonstration of emulated microcircuits needed for the following systems: F-14, F-15, F-16, F-18, JTIDS, UYK-43, UYK-44, SPACE SHUTTLE, TRIDENT, BSY-2, AWACS, CG-47, DSCC(various users). Delivered or in-processed 100 additional IC types. Approximately 10,000 additional parts delivered. Developed four early microprocessors, inserted a microprocessor into JSTARS. Successfully produced first 50K gate emulation wafers. Designed advance geometry emulation array. Designed high voltage emulation process. Also developing technology for ASICs, LSI, VLSI, and Analog devices.
(U) FY 1999:
  Develop and demonstrate ASIC and Generalized Microprocessor Emulations. Continual cost reduction for ASIC emulation.
(U) FY 2000:
  Develop and demonstrate 100K ASIC with 128K memory. Continual cost reduction for ASIC emulation.
(U) FY 2001:
  Develop and demonstrate Advanced Fabrication Processes and 200K Gate Array Capability. Continual cost reduction for ASIC emulation.

FY 2000-2001 BIENNIAL BUDGET REVIEW

RDT&E BUDGET PROJECT JUSTIFICATION SHEET (R-2a Exhibit)	DATE: FEBRUARY 1999
APPROPRIATION/BUDGET ACTIVITY: RTD&E, Defense-Wide/Budget Activity 3	Program Element: 0603712S LOGISTICS R&D TECHNOLOGY DEMONSTRATON

COST (MILLIONS)	FY 98	FY 99	FY 00	FY 01	FY 02	FY 03	FY 04	FY 05	COST TO COMP	TOTAL
#3: MATERIAL ACQUISITION: ELECTRONICS	4.257	4.985	5.229	6.013	6.196	6.386	6.386	6.357	Cont	Cont

B.   Program Change Summary:

COST IN MILLIONS

	FY 98	FY 99	FY 00	FY 01
President's Budget Submission	4.257	5.000	5.500	6.100
Adjustment to Appropriated Value	-----	-.015	-.271	-.087
Current Budget Submission	4.257	4.985	5.229	6.013

Change Summary Explanation: FY 00 reflects agency below threshold program adjustments and an inflation reduction. FY 01 and outyears reflect revised indices.

C.   Other Program Funding Summary: No funding dependencies on other programs. No related programs.

D.   Schedule Profile: The AME Program will eliminate the need to redesign in many cases by producing a form, fit, and function "drop-in" replacement for the old microcircuits using current technology. The Generalized Emulationof Microcircuit (GEM) Production Program addresses the microcircuits built in the 1960s-1970s. The AME Program addresses the 1980s and early 1990s devices.

	FY 98	FY 99	FY 00	FY 01
Quarters	1234	1234	1234	1234
AME Baseline	X			
Initiate ASIC characterization process	X			
Demonstrate High Speed	X			
Demonstrate High Voltage	X			
Demonstrate ASIC emulation			X	
Demonstrate Generalized Microprocessor Emulation			X	
Demonstrate 100K ASIC + 128K memory				X
Demonstrate advanced fabrication process				X
Demonstrate 200K gate capability				X
Cost reduction for ASIC emulation	XXXX	XXXX	XXXX	XXXX

FY 2000-2001 BIENNIAL BUDGET REVIEW

RDT&E BUDGET PROJECT JUSTIFICATION SHEET (R-2a Exhibit)		DATE: FEBRUARY 1999								

APPROPRIATION/BUDGET ACTIVITY: RTD&E, Defense-Wide/Budget Activity 3		Program Element: 0603712S LOGISTICS R&D TECHNOLOGY DEMONSTRATON								

COST (MILLIONS)	FY 98	FY 99	FY 00	FY 01	FY 02	FY 03	FY 04	FY 05	COST TO COMP	TOTAL
#4: ADVANCED TECHNOLOGY LOGISTICS SUPPORT NETWORK	2.901	3.789	3.848	1.836	0.000	0.000	0.000	0.000	0.000	12.374

A. Mission Description and Justification

Advanced Technology Logistics Support Network initiative will reduce DoD inventory requirements by substituting immediate access to commercial sector inventories for stocks held in DoD warehouses. Its objectives include creating a virtual inventory by tapping into worldwide commercial inventories; providing a full array of leveraged prices; providing a variety of delivery methods; providing graphics and on line help which will allow customers to fully explore an item's specifications, warranty and past performance; and creating a seamless catalog which integrates commercial catalog data with DLA negotiated prices. The program proposal seeks to allow DoD customers to conduct business on the Internet; utilize application scanners to remove the barriers of software language; link databases across government and industry via hyperlink technologies; and finally use hypertext markup language to merge government database information onto the Internet.

The ATSN program has far reaching applicability in allowing DLA and its customers to fully capitalize on the logistics related information technology advancements currently available. The program will bring this advanced technology to both peacetime customer support and mobilization support. These new technologies are critical elements to the achievement of DLA's programmed outyear savings in conjunction with implementation of reengineering initiatives and acquisition reform.

(U) Program Accomplishments and Plans:

(U) FY 1998:
    Establish models for readiness based industrial inventories. Develop capability to estimate industrial capability to
    support emergency needs for medical items.
(U) FY 1999: Expand coverage and readiness models to other commodities.
(U) FY 2000: Continue expanded coverage and readiness models to other commodities.
(U) FY 2001: Continue expanded coverage and readiness models to other commodities.

FY 2000-2001 BIENNIAL BUDGET REVIEW

RDT&E BUDGET PROJECT JUSTIFICATION SHEET (R-2a Exhibit)	DATE: FEBRUARY 1999
APPROPRIATION/BUDGET ACTIVITY: RTD&E, Defense-Wide/Budget Activity 3	Program Element: 0603712S LOGISTICS R&D TECHNOLOGY DEMONSTRATON

COST (MILLIONS)	FY 98	FY 99	FY 00	FY 01	FY 02	FY 03	FY 04	FY 05	COST TO COMP	TOTAL
#4: ADVANCED TECHNOLOGY LOGISTICS SUPPORT NETWORK	2.901	3.789	3.848	1.836	0.000	0.000	0.000	0.000	0.000	12.374

B. Program Change Summary:

```
                                    COST IN MILLIONS
                           FY 98       FY 99       FY 00       FY 01
President's Budget Submission       2.901       3.800       3.900       1.900
Adjustment to Appropriated Value    -----       -.011       -.052       -.064
Current Budget Submission           2.901       3.789       3.848       1.836
```

Change Summary Explanation: FYs 00 and 01 net adjustments reflect inflation reductions.

C. Other Program Funding Summary:
     No funding dependencies on other programs.
     ARPA's FAST program (PE #62301E); ARPA's Intelligent Integration of Information (I-3) (PE #62301E) program.

D. Schedule Profile: DLA's Defense Personnel Supply Center (DPSC) will manage the ATSN program. Will implement communications network developed under US Link. Objectives include reduction in customer delivery time variances from 50% to 3%, reduced inventories (both retail & wholesale), on-line requisition status, and lower unit prices.

```
                           FY 98       FY 99       FY 00       FY 01
          Quarters         1234        1234        1234        1234
Process integration         XX
Additional C&T commodities              XXXX
Hardware commodities                                XXXX        XXXX
```

FY 2000-2001 BIENNIAL BUDGET REVIEW

RDT&E BUDGET PROJECT JUSTIFICATION SHEET (R-2a Exhibit)		DATE: FEBRUARY 1999								
APPROPRIATION/BUDGET ACTIVITY: RTD&E, Defense-Wide/Budget Activity 3		Program Element: 0603712S LOGISTICS R&D TECHNOLOGY DEMONSTRATON								
COST (MILLIONS)	FY 98	FY 99	FY 00	FY 01	FY 02	FY 03	FY 04	FY 05	COST TO COMP	TOTAL
#5: ADVANCED TECHNOLOGY INTEGRATOR	1.741	1.855	0.000	0.000	0.000	0.000	0.000	0.000	0.000	3.596

A. Mission Description and Justification:

The DoD has pursued material handling and distribution technologies in the past by identifying promising commercial technologies and installing them in our depots, many times in the absence of quantifiable benefits. This has resulted in identified challenges concerning realistic benefits, system interoperability, and resource/personnel capability. The Advanced Technology Integrator will eliminate these problems by providing a "try before you fly" capability where equipment can be simulated in a live depot environment prior to full-scale implementation. A demonstration center would be created. Tasks would be executed by the center in order to fully evaluate promising technologies or new concepts.
   The impact of the Advanced Technology Integrator would be lower depot overhead costs associated with the receiving, storage, and issuing processes.

(U) Program Achievements and Plans:

(U) FY 1998:
    Examined feasibility of PC based routing algorithms.
    Studied radio tag technology for inventory accounting.
    Developed direct link between depot material release orders and EMALL.
    Established feasibility of Depot based kitting.
(U) FY 1999:
    Begin data mining activity for advanced supply centers and depot operations.
(U) FY 2000: N/A
(U) FY 2001: N/A

FY 2000-2001 BIENNIAL BUDGET REVIEW

RDT&E BUDGET PROJECT JUSTIFICATION SHEET (R-2a Exhibit)	DATE: FEBRUARY 1999
APPROPRIATION/BUDGET ACTIVITY: RTD&E, Defense-Wide/Budget Activity 3	Program Element: 0603712S LOGISTICS R&D TECHNOLOGY DEMONSTRATON

COST (MILLIONS)	FY 98	FY 99	FY 00	FY 01	FY 02	FY 03	FY 04	FY 05	COST TO COMP	TOTAL
#5: ADVANCED TECHNOLOGY INTEGRATOR	1.741	1.855	0.000	0.000	0.000	0.000	0.000	0.000	0.000	3.596

B. Program Change Summary:

```
                                      COST IN MILLIONS
                            FY 98        FY 99        FY 00        FY 01
President's Budget Submission  1.741        1.860        2.100        2.500
Adjustment to Appropriated Value  -----       -.005       -2.100       -2.500
Current Budget Submission      1.741        1.855        0.000        0.000
```

Change Summary Explanation: Funding reallocated to accommodate higher priority R&D requirements.

C. Other Program Funding Summary:
    No funding dependencies on other programs.

D. Schedule Profile: The Advanced Technology Integrator (ATI) is an innovative concept designed to identify gaps in commercial technology prior to acquisition and full scale implementation. ATI will foster the advancement of material handling and automatic identification technologies that will benefit the DLA/DoD distribution community.

```
                                 FY 98        FY 99        FY 00        FY 01
              Quarters           1234         1234         1234         1234
Direct material release orders from Depots   XX
EMALL kitting                     X          XX
```

FY 2000-2001 BIENNIAL BUDGET REVIEW

RDT&E BUDGET PROJECT JUSTIFICATION SHEET (R-2a Exhibit)	DATE: FEBRUARY 1999
APPROPRIATION/BUDGET ACTIVITY: RTD&E, Defense-Wide/Budget Activity 3	Program Element: 0603712S LOGISTICS R&D TECHNOLOGY DEMONSTRATON

COST (MILLIONS)	FY 98	FY 99	FY 00	FY 01	FY 02	FY 03	FY 04	FY 05	COST TO COMP	TOTAL
#6: INTELLIGENT DEMAND MANAGER	0.000	0.000	1.424	1.975	1.989	2.145	2.192	2.234	Cont	Cont

A. Mission Description and Justification

The use of artificial intelligence for managing items--has been explored in the past, but changes in information technology environment and data availability could significantly increase the potential to better manage items and anticipate demands from customers. This will most likely have a significant benefit for the management of Numerical Stock Objective items.

(U) Program Accomplishments and Plans:

(U) FY 1998: N/A
(U) FY 1999: N/A
(U) FY 2000:
Analysis tools--Starlight and Data Mining--how can we exploit these technologies to identify relationships that can be used to more accurately project demand--especially on new systems entering the inventory or on proven systems where unforecasted demand may occur due to aging weapon systems. This will require the use of simulation models such as PARIS to evaluate alternate scenarios, cost trade-offs, and inventory management policy decisions.
(U) FY 2001:
Distribution resource planning will exploit total asset visibility to make inventory a scheduling problem for replenishment type items. It will be used in commercial applications for high volume/recurring demand items. It anticipates and takes proactive action before demands actually occur.
Assessment--joint action with the Services to use their multi-echelon, multi-indenture models to project consumable requirements, develop availability curves, determine funding requirements, and project wartime/peacetime demands. Information could "feed" ICIS instead of DLA attempting to develop its own set of models.

FY 2000-2001 BIENNIAL BUDGET REVIEW

RDT&E BUDGET PROJECT JUSTIFICATION SHEET (R-2a Exhibit)	DATE: FEBRUARY 1999
APPROPRIATION/BUDGET ACTIVITY: RTD&E, Defense-Wide/Budget Activity 3	Program Element: 0603712S LOGISTICS R&D TECHNOLOGY DEMONSTRATON

COST (MILLIONS)	FY 98	FY 99	FY 00	FY 01	FY 02	FY 03	FY 04	FY 05	COST TO COMP	TOTAL
#6: INTELLIGENT DEMAND MANAGER	0.000	0.000	1.424	1.975	1.989	2.145	2.192	2.234	Cont	Cont

B.   Program Change Summary:

	COST IN MILLIONS			
	FY 98	FY 99	FY 00	FY 01
President's Budget Submission	0.000	0.000	0.000	0.000
Adjustment to Appropriated Value			+1.424	+1.975
Current Budget Submission	0.000	0.000	1.424	1.975

Change Summary Explanation: New project.

C.   Other Program Funding Summary: No funding dependencies.

D.   Schedule Profile:

	FY 98	FY 99	FY 00	FY 01
Quarters	1234	1234	1234	1234
Formulate the BAA announcement		XX		
Open the BAA		XX		
Awards for concept studies			X	
Awards for prototype development			XXX	
Prototype development			XXXX	XXXX

FY 2000-2001 BIENNIAL BUDGET REVIEW

RDT&E BUDGET PROJECT JUSTIFICATION SHEET (R-2a Exhibit)			DATE: FEBRUARY 1999							
APPROPRIATION/BUDGET ACTIVITY: RTD&E, Defense-Wide/Budget Activity 3			Program Element: 0603712S LOGISTICS R&D TECHNOLOGY DEMONSTRATON							

COST (MILLIONS)	FY 98	FY 99	FY 00	FY 01	FY 02	FY 03	FY 04	FY 05	COST TO COMP	TOTAL
#7: COMPUTER TO COMPUTER NEGOTIATIONS	0.000	0.000	0.000	2.339	3.204	3.264	3.151	2.251	Cont	Cont

A. Mission Description and Justification

Long lead times for establishing long-term logistics support contracts do not allow DLA business managers to react to rapidly changing requirements in supply change management. The purpose of this project is to use knowledge base, rule base, and intelligent work flow technologies to enable computers to duplicate the decision making process of humans when negotiating and executing contracts. This will reduce the lead-time required to establish these contracts and contribute to a paperless environment.

(U) Program Accomplishments and Plans:
(U) FY 1998: N/A
(U) FY 1999: N/A
(U) FY 2000: N/A
(U) FY 2001: Phase I initial identification areas for application/integration of knowledge base, rule base, and intelligent work flow technologies.

B. Program Change Summary:

	FY 98	FY 99	FY 99	FY 01
President's Budget Submission	0.000	0.000	0.000	0.000
Adjustment to Appropriated Value	-----	-----	-----	+2.339
Current Budget Submission	0.000	0.000	0.000	2.339

Change Summary Explanation: New project per Agency TOA re-distribution.

C. Other Program Funding Summary: No funding dependencies.

FY 2000-2001 BIENNIAL BUDGET REVIEW

RDT&E BUDGET PROJECT JUSTIFICATION SHEET (R-2a Exhibit)	DATE: FEBRUARY 1999
APPROPRIATION/BUDGET ACTIVITY: RTD&E, Defense-Wide/Budget Activity 3	Program Element: 0603712S LOGISTICS R&D TECHNOLOGY DEMONSTRATON

COST (MILLIONS)	FY 98	FY 99	FY 00	FY 01	FY 02	FY 03	FY 04	FY 05	COST TO COMP	TOTAL
#7: COMPUTER TO COMPUTER NEGOTIATIONS	0.000	0.000	0.000	2.339	3.204	3.264	3.151	2.251	Cont	Cont

D.   Schedule Profile:

```
                                    FY 98       FY 99       FY 00       FY 01
            Quarters                1234        1234        1234        1234
Formulate the BAA announcement                              XX
Open the BAA                                                  XX
Awards for concept studies                                              X
Awards for prototype development                                         XXX
Prototype Development                                                   XXXX
```

FY 2000-2001 BIENNIAL BUDGET REVIEW

RDT&E BUDGET PROJECT JUSTIFICATION SHEET (R-2a Exhibit)	DATE: FEBRUARY 1999

APPROPRIATION/BUDGET ACTIVITY: RTD&E, Defense-Wide/Budget Activity 3	Program Element: 0603712S LOGISTICS R&D TECHNOLOGY DEMONSTRATON

COST (MILLIONS)	FY 98	FY 99	FY 00	FY 01	FY 02	FY 03	FY 04	FY 05	COST TO COMP	TOTAL
#8: PAY PER USE LOGISTICS SYSTEM	0.000	0.000	0.000	1.465	2.385	2.413	2.492	1.967	Cont	Cont

A. Mission Description and Justification

Current DoD computer systems are large, inflexible, difficult to maintain and seemingly impossible to keep current with emerging technology. For example, the supply system still uses 80 card column transaction sets based on 40 year old technology. One cause of this stagnation is that these systems are monolithic programs that have evolved over time to meet changing needs. Modernization of these systems has been hindered by the high cost to modernize and the fact that much of the functionality is not well documented or understood.

Emergence of network computing holds the promise of providing the flexibility and modularity needed to incrementally modernize DoD logistics systems and simultaneously provide an opportunity for a radical change in the way computer operations are financed. The Pay Per Use program objective is to demonstrate the costs and flexibility advantages of large scale, highly distributed networks in addressing not only the technical problem associated with logistics systems modernization, but also the cost advantages of designing a system based on the concept of "Pay per Use". Pay per Use means that the functional organization using a computer system pays a fixed rate only for actual use of the system. This approach is analogous to the emerging acquisition strategy of "power by the hour", where the Air Force, rather than buying and owning jet engines are paying a set rate per hour for engine use. Similarly, Pay Per Use program users would only be charged for the time that the functional application was actually being used. Ideally, the end user would have choice among different COTS vendors for the same application.

(U) Program Accomplishments and Plans:
(U) FY 1998: N/A
(U) FY 1999: N/A
(U) FY 2000: N/A
(U) FY 2001: Initial awards will be made for concept studies. The concepts will be evaluated and prototypes will begin to be developed.

FY 2000-2001 BIENNIAL BUDGET REVIEW

RDT&E BUDGET PROJECT JUSTIFICATION SHEET (R-2a Exhibit)			DATE: FEBRUARY 1999							
APPROPRIATION/BUDGET ACTIVITY: RTD&E, Defense-Wide/Budget Activity 3			Program Element: 0603712S LOGISTICS R&D TECHNOLOGY DEMONSTRATON							
COST (MILLIONS)	FY 98	FY 99	FY 00	FY 01	FY 02	FY 03	FY 04	FY 05	COST TO COMP	TOTAL
#8: PAY PER USE LOGISTICS SYSTEM	0.000	0.000	0.000	1.465	2.385	2.413	2.492	1.967	Cont	Cont

B. Program Change Summary:

```
                                             COST IN MILLIONS
                                   FY 98       FY 99       FY 00       FY 01
President's Budget Submission      0.000       0.000       0.000       0.000
Adjustment to Appropriated Value                                       +1.465
Current Budget Submission          0.000       0.000       0.000       1.465
```

Change Summary Explanation: New project per POM TOA Agency re-distribution.

C. Other Program Funding Summary: No funding dependencies.

```
D.  Schedule Profile:               FY 98       FY 99       FY 00       FY 01
            Quarters                1234        1234        1234        1234
Formulate the BAA announcement                              XX
Open the BAA                                                 XX
Awards for concept studies                                              X
Awards for prototype development                                        XXX
Prototype development                                                   XXX
```

FY 2000-2001 BIENNIAL BUDGET REVIEW

RDT&E BUDGET PROJECT JUSTIFICATION SHEET (R-2a Exhibit)	DATE: FEBRUARY 1999
APPROPRIATION/BUDGET ACTIVITY: RTD&E, Defense-Wide/Budget Activity 3	Program Element: 0603712S LOGISTICS R&D TECHNOLOGY DEMONSTRATON

COST (MILLIONS)	FY 98	FY 99	FY 00	FY 01	FY 02	FY 03	FY 04	FY 05	COST TO COMP	TOTAL
#9: AGING AIRCRAFT SUSTAINMENT TECH.	0.000	0.000	0.000	4.074	4.383	4.830	5.200	5.443	Cont	Cont

A. Mission Description and Justification:

Weapon systems, particularly aircraft, are staying in the inventory much longer than originally anticipated. For example, the KC-135 had a 40 year design life and is now planning to stay in service for 86 years. Similar life extensions also apply to the B-52 and the C-130. The result is often aircraft parts that were never planned to be replaced have to be procured and placed on the airplane. Unfortunately, the technical data, manufacturing processes and supplier base that originally provided these items are no longer available. These circumstances lead to unacceptably long logistics response times and increased costs.

A completely new strategy is needed to address this problem. It must encompass not only the design associated with re-engineering the item but also manufacturing techniques that can produce very low quantity items in a cost effective manner. A partnership among the DoD, manufacturing industries and academia has proven most effective in addressing the problem. Past models have shown that lead-times can be reduced from 273 days to 97 days for complex parts, new suppliers can be added to the base and costs significantly reduced.

(U) Program Accomplishments and Plans:
(U) FY 1998: N/A
(U) FY 1999: N/A
(U) FY 2000: N/A
(U) FY 2001: Based on preliminary studies the technologies needed to sustain aircraft that are in service longer than their design life will be identified. Development of better ways of sustainment will be started.

FY 2000-2001 BIENNIAL BUDGET REVIEW

RDT&E BUDGET PROJECT JUSTIFICATION SHEET (R-2a Exhibit)	DATE: FEBRUARY 1999

APPROPRIATION/BUDGET ACTIVITY: RTD&E, Defense-Wide/Budget Activity 3	Program Element: 0603712S LOGISTICS R&D TECHNOLOGY DEMONSTRATON

COST (MILLIONS)	FY 98	FY 99	FY 00	FY 01	FY 02	FY 03	FY 04	FY 05	COST TO COMP	TOTAL
#9: AGING AIRCRAFT SUSTAINMENT TECH.	0.000	0.000	0.000	4.074	4.383	4.830	5.200	5.443	Cont	Cont

B.   Program Change Summary:

```
                                          COST IN MILLIONS
                                 FY 98       FY 99       FY 00       FY 01
President's Budget Submission    0.000       0.000       0.000       0.000
Adjustment to Appropriated Value -----       -----       +4.074      +4.383
Current Budget Submission        0.000       0.000       4.074       4.383
```

Change Summary Explanation: New project.

C.   Other Program Funding Summary: No funding dependencies.

D.   Schedule Profile:

```
                                 FY 98       FY 99       FY 00       FY 01
              Quarters           1234        1234        1234        1234

Formulate BAA Announcement                                 X
Open BAA                                                   XX          XXXX
Awards for concept development                                         X
Awards for prototype development                                       XXXX
Prototype Development                                                  XXXX
```

FY 2000-2001 BIENNIAL BUDGET REVIEW

RDT&E BUDGET PROJECT JUSTIFICATION SHEET (R-2a Exhibit)	DATE: FEBRUARY 1999
APPROPRIATION/BUDGET ACTIVITY: RTD&E, Defense-Wide/Budget Activity 3	Program Element: 0603712S LOGISTICS R&D TECHNOLOGY DEMONSTRATON

COST (MILLIONS)	FY 98	FY 99	FY 00	FY 01	FY 02	FY 03	FY 04	FY 05	COST TO COMP	TOTAL
#10: VIRTUAL REALITY MEDICAL ASSEMBLY	0.000	0.000	0.000	1.974	1.990	2.014	2.050	2.093	Cont	Cont

A. Mission Description and Justification:

Defense Supply Center, Philadelphia (DSCP) has the responsibility to procure Medical Assemblies for the Services. These Medical Assemblies are complex in nature and change frequently to accommodate new types of form, fit, function, and utility. This program will attempt to utilize virtual reality technology to reduce lead times, to reduce the logistics footprint, and to reduce overall assembly life-cycle costs.

DSCP will begin the effort in the FY 01 timeframe. During FY 01, Joint Application Development (JAD) sessions will be held to formalize requirements. Market analysis will be performed to identify the most appropriate virtual reality technology to employ, and detailed system specifications will be created. In FY 02, a prototype of first-aid kits will be developed. In addition, formal requirements will be developed for a more complex medical assembly. In FY 03, the first-aid kit assembly will be made ready for a production environment, the more complex medical assembly will be prototyped, and commercial data interfaces will be established. In FY 04, DSCP will prototype an entire field hospital assembly and will look to apply the technology to other processes within DLA. In FY 05, DSCP plans for full scale production and demonstrations.

(U) Program Accomplishments and Plans:
(U) FY 1998: N/A
(U) FY 1999: N/A
(U) FY 2000: N/A
(U) FY 2001: The studies for Virtual Medical Assembly will be awarded and prototypes will begin to be developed.

FY 2000-2001 BIENNIAL BUDGET REVIEW

RDT&E BUDGET PROJECT JUSTIFICATION SHEET (R-2a Exhibit)		DATE: FEBRUARY 1999							
APPROPRIATION/BUDGET ACTIVITY: RTD&E, Defense-Wide/Budget Activity 3		Program Element: 0603712S LOGISTICS R&D TECHNOLOGY DEMONSTRATON							
COST (MILLIONS)	FY 98	FY 99	FY 00	FY 01	FY 02	FY 03	FY 04	FY 05	COST TO COMP	TOTAL
#10: VIRTUAL REALITY MEDICAL ASSEMBLY	0.000	0.000	0.000	1.974	1.990	2.014	2.050	2.093	Cont	Cont

B.   Program Change Summary: N/A

```
                                        COST IN MILLIONS
                            FY 98       FY 99        FY 00        FY 01
President's Budget Submission  0.000     0.000        0.000        0.000
Adjustment to Appropriated Value                      +1.974       +1.990
Current Budget Submission      0.000     0.0000       1.974        1.990
```

Change Summary Explanation: New project.

C.   Other Program Funding Summary: No funding dependencies.

```
D.   Schedule Profile:        FY 98       FY 99        FY 00        FY 01
            Quarters          1234        1234         1234         1234
Formulate the BAA announcement                         XX
Open the BAA                                             XX
Awards for concept studies                                          X
Awards for prototype development                                    XXX
Prototype development                                              XXXX
```

FY 2000-2001 BIENNIAL BUDGET REVIEW

RDT&E BUDGET PROJECT JUSTIFICATION SHEET (R-2a Exhibit)	DATE: FEBRUARY 1999

APPROPRIATION/BUDGET ACTIVITY: RTD&E, Defense-Wide/Budget Activity 3	Program Element: 0603712S LOGISTICS R&D TECHNOLOGY DEMONSTRATON

COST (MILLIONS)	FY 98	FY 99	FY 00	FY 01	FY 02	FY 03	FY 04	FY 05	COST TO COMP	TOTAL
#11: FUTURE LOGISTICS R&D REQUIREMENTS	0.000	0.000	0.000	0.000	0.000	0.000	1.274	3.805	Cont	Cont

A. Mission Description and Justification:

These funds will be used for high risk and high payoff alternatives to the conventional investment programs to improve efficiency and lower costs of acquisition, supply management, and distribution.

(U) Program Achievements and Plans:

(U) FY 1998: N/A
(U) FY 1999: N/A
(U) FY 2000: N/A
(U) FY 2001: N/A

B. Program Change Summary:

	COST IN MILLIONS			
	FY 98	FY 99	FY 00	FY 01
President's Budget Submission	0.000	0.000	0.000	7.147
Adjustment to Appropriated Value	-----	-----	-----	-7.147
Current Budget Submission	0.000	0.000	0.000	0.000

Change Summary Explanation: FY 01 reflects 7.1 million reduction in order to fund emerging technology opportunities.

FY 2000-2001 BIENNIAL BUDGET REVIEW

RDT&E BUDGET PROJECT JUSTIFICATION SHEET (R-2a Exhibit)	DATE: FEBRUARY 1999								
APPROPRIATION/BUDGET ACTIVITY: RTD&E, Defense-Wide/Budget Activity 3	Program Element: 0603712S LOGISTICS R&D TECHNOLOGY DEMONSTRATON								
COST (MILLIONS)	FY 98	FY 99	FY 00	FY 01	FY 02	FY 03	FY 04	FY 05	COST TO COMP	TOTAL
#11: FUTURE LOGISTICS R&D REQUIREMENTS	0.000	0.000	0.000	0.000	0.000	0.000	1.274	3.805	Cont	Cont

C. Other Program Funding Summary: None

D. Schedule Profile:

	FY 98	FY 99	FY 00	FY 01
Quarters	1234	1234	1234	1234
Develop Continuing Logistics Technology Plans	XXXX	XXXX		

FY 2000-2001 BIENNIAL BUDGET REVIEW

RDT&E BUDGET PROJECT JUSTIFICATION SHEET (R-2a Exhibit)	DATE: FEBRUARY 1999
APPROPRIATION/BUDGET ACTIVITY: RTD&E, Defense-Wide/Budget Activity 3	Program Element: 0603712S LOGISTICS R&D TECHNOLOGY DEMONSTRATON

COST (MILLIONS)	FY 98	FY 99	FY 00	FY 01	FY 02	FY 03	FY 04	FY 05	COST TO COMP	TOTAL
#12: ON DEMAND MANUFACTURING/CATT	5.783	6.908	0.898	0.000	0.000	0.000	0.000	0.000	0.000	13.589

A. Mission Description and Justification:

This initiative is necessary to identify and establish commercial manufacturing capabilities so that DLA Centerscan acquire parts as they are needed (on demand) rather than investing in excessive stock, or risking non-availability of essential parts when needed. Contracting relationships will be established to obtain small quantities of military unique items of low demand, with significantly lower costs and greatly improved response time. This is an effort to use private sector manufacturers, in addition to all other measures to obtain parts quickly. In FY98 it builds a program related to the USAF Computer Aided Technology Transfer (CATT) program. CATT establishes a network of companies to produce parts in a very short production lead time with minimum administration.

(U) Program Achievements and Plans:
(U) FY 1998:
    Advanced tools for identifying ODM candidates were developed.
    Tools for macro-grouping fielded based on natural language programming and logic programming.
    Begin CATT manufacturing network in Oklahoma.
(U) FY 1999:
    Award model contract for ODM buying capability and capacity field tools for ODM division support.
(U) FY 2000: Continue capacity field tools for ODM division support.
(U) FY 2001: N/A

FY 2000-2001 BIENNIAL BUDGET REVIEW

RDT&E BUDGET PROJECT JUSTIFICATION SHEET (R-2a Exhibit)	DATE: FEBRUARY 1999
APPROPRIATION/BUDGET ACTIVITY: RTD&E, Defense-Wide/Budget Activity 3	Program Element: 0603712S LOGISTICS R&D TECHNOLOGY DEMONSTRATON

COST (MILLIONS)	FY 98	FY 99	FY 00	FY 01	FY 02	FY 03	FY 04	FY 05	COST TO COMP	TOTAL
#12: ON DEMAND MANUFACTURING/CATT	5.783	6.908	0.898	0.000	0.000	0.000	0.000	0.000	0.000	13.589

B. Program Change Summary:

	COST IN MILLIONS			
	FY 98	FY 99	FY 00	FY 01
President's Budget Submission	5.783	0.928	0.910	0.947
Adjustments to Appropriated Value	-----	+5.980	-.012	-0.947
Current Budget Submission	5.783	6.908	0.898	0.000

Change Summary Explanation: FY 99 net adjustment reflects a $6 million congressional add for CATT, and congressional undistributed reductions. FY 00 reflects an inflation reduction. FY 01 reflects .947 millionreduction in order to accommodate higher priority research needs.

D. Schedule Profile:

	FY 98	FY 99	FY 00	FY 01
Quarters	1234	1234	1234	1234
Continue work at centers to develop contractual vehicles with industry	XXX			
Begin funding USAF related efforts (CATT)	XX	X		
Establish ODM on EMALL		X		

FY 2000-2001 BIENNIAL BUDGET REVIEW

RDT&E BUDGET PROJECT JUSTIFICATION SHEET (R-2a Exhibit)	DATE: FEBRUARY 1999									
APPROPRIATION/BUDGET ACTIVITY: RTD&E, Defense-Wide/Budget Activity 3	Program Element: 0603712S LOGISTICS R&D TECHNOLOGY DEMONSTRATON									
COST (MILLIONS)	FY 98	FY 99	FY 00	FY 01	FY 02	FY 03	FY 04	FY 05	COST TO COMP	TOTAL
#13: GULF COAST MARITIME	2.884	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	2.884

A. Mission Description and Justification:

The Gulf Coast Center continued its research, application, and demonstration responsibilities in this effort. The program continued to support industrial, Navy, Defense Advanced Research Project Agency, and Department of Defense initiatives and priorities. The Gulf coast Center continued to jointly develop projects with industrial partners such as Mobile Offshore Base, the CVX, a portfolio for Ship Designs, and other maritime technology demonstration projects.

(U) FY 1998: Simulation Based Design efforts at the Gulf coast Region Maritime Technology Center.

*Awarded new contract to Gulf Coast Center to continue Simulation Based Design activities.
*Maintained state-of-the-art simulated based design with virtual reality technologies
*Maintained open, scalable architecture compatible with HLA requirements established byDoD.
*Established state-of-the-art communications networks to ensure remote site access to the SBD resources as well as distribution to remote sites.
*Assisted industry, government and academic partners in development of prototype systems related to SBD.
*Starting to establish a collaborative design and engineering environment such that optimization of multiple functional parameters, including performance, manufacture, operations, logistics, training, cost, and schedule can be performed.
*Continued to jointly develop projects with industrial partners such as Mobile Offshore Base, support to the CVX, and other maritime technology demonstration projects.

FY 2000-2001 BIENNIAL BUDGET REVIEW

RDT&E BUDGET PROJECT JUSTIFICATION SHEET (R-2a Exhibit)		DATE: FEBRUARY 1999								
APPROPRIATION/BUDGET ACTIVITY: RTD&E, Defense-Wide/Budget Activity 3		Program Element: 0603712S LOGISTICS R&D TECHNOLOGY DEMONSTRATON								
COST (MILLIONS)	FY 98	FY 99	FY 00	FY 01	FY 02	FY 03	FY 04	FY 05	COST TO COMP	TOTAL
#13: GULF COAST MARITIME	2.884	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	2.884

B.   Program Change Summary:

```
                                          COST IN MILLIONS
                                  FY 98       FY 99       FY 00       FY 01
President's Budget Submission     0.000       0.000       0.000       0.000
Adjustment to Appropriated Value  +2.884      -----       -----       -----
Current Budget Submission         2.884       0.000       0.000       0.000
```

Change Summary Explanation: FY 98 $2.884 increase reflects ($3.0 million Congressional add, less undistributed reductions) transferred from DARPA to DLA.

D.   Schedule Profile:

```
                                  FY 98       FY 99       FY 00       FY 01
           Quarters               1234        1234        1234        1234
Contract Award                     X
Communications Net established     X          XX
Assist industry                               XXX
```

FY 2000-2001 BIENNIAL BUDGET REVIEW

RDT&E BUDGET PROJECT JUSTIFICATION SHEET (R-2a Exhibit)	DATE: FEBRUARY 1999

APPROPRIATION/BUDGET ACTIVITY: RTD&E, Defense-Wide/Budget Activity 3	Program Element: 0603712S LOGISTICS R&D TECHNOLOGY DEMONSTRATON

COST (MILLIONS)	FY 98	FY 99	FY 00	FY 01	FY 02	FY 03	FY 04	FY 05	COST TO COMP	TOTAL
#14: DEFENSE MICROELECTRONICS ACTIVITY	9.507	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	9.507

A. Mission Description and Justification:

DMEA's mission is to leverage advanced technologies to extend the life of weapon systems. DMEA is the Executive Agent for DoD Integrated Circuit (IC) Microelectronics Diminishing Manufacturing Sources and Material Shortages (DMSMS). As such, DMEA has identified a set of applies research projects that evaluate the feasibility and practicality of some candidate solutions for a broad class of microelectronic components that are strategically important toDoD. DMEA's RDT&E program is comprised for a mix of studies, investigations and planning efforts for developing solutions to the technological challenges of emerging microcircuit obsolescence using leading-edge microelectronics technology.

(U) Program Accomplishments and Plans:
(U) FY 1998: Develop a methodology for replacing highly complex microcircuits using VHDL, modern synthesis tools, and silicon foundry resources to achieve FFF replacements, minimizing the design methodologies and processes to emulate digital logic, analog, mixed signal and power microelectronic components. Develop and evaluate Virtual Enterprise technology for interfaces, technology-class solutions, and data management and configuration control. Applies to a wide range of systems e.g., F-22, B-2, AWACS, F-16, F-15, F-14, GPS, USQ-113, JAST, MAST, EA-6B, M-65, AN/TSC-93B and AN/GSC-49(V).

B. Program Change Summary: FY 98 increase of $9.507 reflects $10.0 million congressional add less $.493 million in congressional undistributed reductions transferred from DARPA to DLA.

	COST IN MILLIONS			
	FY 98	FY 99	FY 00	FY 01
President's Budget Submission	0.000	0.000	0.000	0.000
Adjustment to Appropriated Value	+9.507	-----	-----	-----
Current Budget Submission	9.507	0.000	0.000	0.000

FY 2000-2001 BIENNIAL BUDGET REVIEW

RDT&E BUDGET PROJECT JUSTIFICATION SHEET (R-2a Exhibit)	DATE: FEBRUARY 1999
APPROPRIATION/BUDGET ACTIVITY: RTD&E, Defense-Wide/Budget Activity 3	Program Element: 0603712S LOGISTICS R&D TECHNOLOGY DEMONSTRATON

COST (MILLIONS)	FY 98	FY 99	FY 00	FY 01	FY 02	FY 03	FY 04	FY 05	COST TO COMP	TOTAL
#14: DEFENSE MICROELECTRONICS ACTIVITY	9.507	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	9.507

C. Other Program Funding Summary: No funding dependencies on other programs.

D Schedule Profile:

```
                                FY 98       FY 99       FY 00       FY 00
           Quarters             1234        1234        1234        1234
Statement of Work                X
Implementation plan                 X
Design                                      XX
Fabricate                                   XX
Test                                         X          XX
Qualify                                                XXX
```

FY 2000-2001 BIENNIAL BUDGET REVIEW

RDT&E BUDGET ITEM JUSTIFICATION SHEET (R-2 Exhibit)	DATE: FEBRUARY 1999
APPROPRIATION/BUDGET ACTIVITY: 0400/03	Program Element: (PE) Name & No 06037538 ELECTRONIC COMMERCE RESOURCE CENTERS (ECRCs)

COST (MILLIONS)	FY 98	FY 99	FY 00	FY 01	FY 02	FY 03	FY 04	FY 05	COST TO COMP	TOTAL
TOTAL PROGRAM ELEMENT	46.421	-	-	-	-	-	-	-	46.421	46.421
Electronic Commerce Resource Centers	46.421	-	-	-	-		-	-	46.421	46.421

A. Mission Description and Justification:
The mission of this program is the transfer of electronic commerce (EC) technologies to small an medium sized enterprises (SMEs) through a network of regional deployment centers. This mission is a subset of the overall Acquisition Reform Initiative. The regional ECRCs provide training and technical assistance to aid SMEs in defense supply chains in making effective use of electronic commerce technologies. The ECRC Technology Development Activity keeps abreast of EC technologies and ensures that technical specialists in the regional ECRCs are equipped with the latest information and training on EC technologies.

B. Program Change Summary:In FY1997 DLA assumed responsibility for the funding, management and control of the ECRC Program while DUSD(L) acted as program sponsor.

	FY 98	FY 99	FY 00	FY 01	Total Cost
Previous Presidents Budget	-	-	-	-	
Adjustments to Appropriated Value	46.421	-	-	-	
Current Presidents Budget Request	46.421	-	-	-	46.421

(U) Program Accomplishments and Plans
(U) FY1998
* Continue to move vendors to take advantage of more complex and/or emerging EC capabilities.
* Train 35,000 industry and government personnel in EC technologies.
* Foster development of a small group of SMEs capable of virtual enterprise activity to serve as a model for
  others to emulate.
* Focus on engaging major DoD Supply Chains (Aerospace, Shipbuilding, Automotive) to accelerate EC integration.
(U) FY1999
* This program is funded in Procurement, Defense-wide beginning in FY 1999.
(U) FY2000
    N/A
(U) FY2001
    N/A

FY 2000-2001 BIENNIAL BUDGET REVIEW

RDT&E BUDGET ITEM JUSTIFICATION SHEET (R-2 Exhibit)				DATE: FEBRUARY 1999						
APPROPRIATION/BUDGET ACTIVITY: 0400/03				Program Element: (PE) Name & No						
				06037538 ELECTRONIC COMMERCE RESOURCE CENTERS (ECRCs)						

COST (MILLIONS)	FY 98	FY 99	FY 00	FY 01	FY 02	FY 03	FY 04	FY 05	COST TO COMP	TOTAL
TOTAL PROGRAM ELEMENT	46.421	-	-	-	-	-	-	-	46.421	46.421
Electronic Commerce Resource Centers	46.421	-	-	-	-	-	-	-	46.421	46.421

C. Other Program Funding Summary:
   FY 98 reflects +$33 million congressional add and net congressional reductions.
   - None.
   - Related Programs: None.

D. Schedule Profile:

	FY 98	FY 99	FY 00	FY 01
Quarters	1234	1234	1234	1234
ECRC Activities	XXXX			
Education and Training	XXXX			
DoD Suppliers	XXXX			
DoD Organizations	XXXX			
Others	XXXX			
Outreach	XXXX			
Outreach Activities	XXXX			
Supply Chain Leads	XXXX	N/A	N/A	N/A
Technical Support	XXXX			
DoD Suppliers	XXXX			
DoD Organizations	XXXX			
Others	XXXX			
Technology R&D	XXXX			
Research	XXXX			
Development	XXXX			

FY 2000-2001 BIENNIAL BUDGET REVIEW

RDT&E BUDGET ITEM JUSTIFICATION SHEET (R-2 Exhibit)	DATE: FEBRUARY 1999

APPROPRIATION/BUDGET ACTIVITY: RTD&E, Defense-Wide/Budget Activity 3	Program Element: 0603805S DUAL USE APPLICATIONS PROGRAM

COST (MILLIONS)	FY 98	FY 99	FY 00	FY 01	FY 02	FY 03	FY 04	FY 05	COST TO COMP	TOTAL
TOTAL PROGRAM ELEMENT	0.000	5.982	0.000	0.000	0.000	0.000	0.000	0.000	0.000	5.982
NATIONAL CENTER FOR MANUFACTURING SCIENCES (NCMS)	0.000	5.982	0.000	0.000	0.000	0.000	0.000	0.000	0.000	5.982

A. Mission Description & Budget Item Justification:

The Defense Logistics Agency (DLA) has implemented policies and practices to reduce its operating and support costs while providing service to military customers. DLA continues to focus on issues such as total asset visibility; information technology, security and integration; diminishing sources; small-lot-volume manufacturing; privatization and outsourcing. This program depends on the National Center for Manufacturing Science (NCMS), as a not-for-profit consortium of about 235 defense and non-defense industry members, to provide DLA direct access to the best commercial practices, manufacturing technology, and out-sourcing lessons learned, and more information that is currently resident with the membership. NCMS will perform the accounting, contracting and legal, administrative, and program management functions for each project, and will interact with industry, state and other federal agencies, other small consortia, and academia.

FY 2000-2001 BIENNIAL BUDGET REVIEW

RDT&E BUDGET ITEM JUSTIFICATION SHEET (R-2a Exhibit)			DATE: FEBRUARY 1999							
APPROPRIATION/BUDGET ACTIVITY: RTD&E, Defense-Wide/Budget Activity 3			Program Element: 0603805S DUAL USE APPLICATIONS PROGRAM							
COST (MILLIONS)	FY 98	FY 99	FY 00	FY 01	FY 02	FY 03	FY 04	FY 05	COST TO COMP	TOTAL
NATIONAL CENTER FOR MANUFACTURING SCIENCES (NCMS)	0.000	5.982	0.000	0.000	0.000	0.000	0.000	0.000	0.000	5.982

A. Mission Description and Justification:

Program Element: One of the initial projects among the NCMS programs, Commercial Technology for Maintenance Activities (CTMA), will dramatically change the current logistical system as it exists today. DLA will be able to develop and offer users new repair technologies, business practices, sourcing, management, and controls that were previously not available through normal contracting practices. The initial phase of CTMA will involve evaluation of selected candidate projects by a Cost Analyst who will determine the benefit and pay back to performers and project managers, and the execution of the projects leading to implementation and realization of the expected benefits.

(U) Program Accomplishments and Plans:
(U) FY 1998
*Initiate selected projects, using NCMS for detailed management, responsible to DLSC-PT.
*All DLA managed projects will be visible to management, with metrics used to measure success being applied so that the benefits can be realized from implementation.
(U) FY 1999
*Application of metrics; implementation.
(U) FY 2000 N/A
(U) FY 2001 N/A

B. Program Change Summary:

	COST IN MILLIONS		
	FY 98	FY 99	FY 00	FY 01
President's Budget Submission	0.000	6.000	0.000	0.000
Adjustment to Appropriated Value	0.000	-.018	-----	-----
Current Budget Submission	0.000	5.982	0.000	0.000

FY 2000-2001 BIENNIAL BUDGET REVIEW

RDT&E BUDGET ITEM JUSTIFICATION SHEET (R-2a Exhibit)			DATE: FEBRUARY 1999							
APPROPRIATION/BUDGET ACTIVITY: RTD&E, Defense-Wide/Budget Activity 3			Program Element: 0603805S DUAL USE APPLICATIONS PROGRAM							
COST (MILLIONS)	FY 98	FY 99	FY 00	FY 01	FY 02	FY 03	FY 04	FY 05	COST TO COMP	TOTAL
NATIONAL CENTER FOR MANUFACTURING SCIENCES (NCMS)	0.000	5.982	0.000	0.000	0.000	0.000	0.000	0.000	0.000	5.982

C.   Other Program Funding Summary:
     None
     Related Programs: DARPA's NCMS program initially transferred to DLA under PB #0603805S in FY 97. FY 99 reflects a +$6 million congressional add.

D.   Schedule Profile:
     NCMS/CTMA will start out by analyzing cost/benefits of candidate projects To Be Determined.

```
                                      FY 98        FY 99        FY 00        FY 01
               Quarters               1234         1234         1234         1234
NCMS/CTMA-Phase II                    XXXX         XXXX         N/A          N/A
```

FY 2000-2001 BIENNIAL BUDGET REVIEW

RDT&E BUDGET ITEM JUSTIFICATION SHEET (R-2 Exhibit)		DATE: FEBRUARY 1999								

APPROPRIATION/BUDGET ACTIVITY:

RTD&E, Defense-Wide/Budget Activity 7

Program Element:

0708011S MANUFACTURING TECHNOLOGY

COST (MILLIONS	FY 98	FY 99	FY 00	FY 01	FY 02	FY 03	FY 04	FY 05	COST TO COMP	TOTAL
TOTAL PROGRAM ELEMENT	25.403	26.036	6.665	7.392	8.386	9.032	9.219	9.385	Cont	Cont
#1: Combat Rations	1.975	1.894	1.880	1.882	1.984	1.982	2.026	2.076	Cont	Cont
#2: Apparel Research Network	2.604	2.810	2.570	2.570	2.766	2.763	2.866	2.857	Cont	Cont
#3: American Metalcasting Consortium	3.687	2.089	2.215	2.071	2.324	2.322	2.332	2.426	Cont	Cont
#4: Rapid Acquisition of Manufactured Parts	7.600	7.976	0.000	0.000	0.000	0.000	0.000	0.000	Cont	15.576
#5: Casting Emission Reduction Prog (CERP)	9.537	11.267	0.000	0.000	0.000	0.000	0.000	0.000	Cont	20.804
#6: Forging Lead Time Technology (FLTT)	0.000	0.000	0.000	0.869	1.312	1.965	1.995	2.026	Cont	Cont

A. Mission Description & Budget Item Justification:
Manufacturing Technology (Man Tech) reduces costs and lead times, and increases quality, by developing and applying advanced manufacturing technology. DLA ManTech includes Combat Rations Network for Technology Implementation (CORANET), Apparel Research Network (ARN), American Metalcasting Consortium (AMC).

#1. CORANET assures combat ration availability of specified variety, quality, and affordability to the Components through commercial-military integration, ration processing and packaging research, and menu variety and producibility improvement. CORANET is part of the Joint Defense Manufacturing Technology Program, Advanced Manufacturing Enterprise Strategic Plan.
#2. ARN concentrates on achieving customer driven uniform manufacturing by establishing electronic links among all participants in the supply chain from the end user to the fabric supplier. The program is part of the Joint Director of Laboratories Advanced Industrial Practices Strategic Plan.
#3. AMC develops and delivers cost effective weapons parts. It also develops better casting processes. The program is part of the Joint Director of Laboratories Metals Processing Strategic Plan.
#4. RAMP supplements the initiative of the Emall by addressing small quantity non-standard parts made to order. RAMP tries to use electronic communications and complete bid packages to reduce ALT, and reduces PLT by rapid manufacturing planning and execution. The program was initiated by DARPA and transferred to DLA from USN for management.
#5. CERP finds materials and processes which allow industry and organic DoD foundries to meet stringent emission requirements and still provide cost competitive metal castings.
#6. FLTT will develop ways to make forgings for land, sea, and air weapons that are better, cheaper, and faster to produce.

FY 2000-2001 BIENNIAL BUDGET REVIEW

RDT&E BUDGET ITEM JUSTIFICATION SHEET (R-2 Exhibit)	DATE: FEBRUARY 1999
APPROPRIATION/BUDGET ACTIVITY: RTD&E, Defense-Wide/Budget Activity 7	Program Element: 0708011S MANUFACTURING TECHNOLOGY

B. Program Change Summary:

COST IN MILLIONS

	FY 98	FY 99	FY 00	FY 01
President's Budget Submission	26.013	26.231	6.755	6.610
Adjustment to Appropriated Value	-0.610	-0.195	-.090	+.782
Current Budget Submission	25.403	26.036	6.665	7.392

Change Summary Explanation: FY 98 net adjustments reflect the net of undistributed congressional reductions and a $4.0 million congressional add for RAMP. FY 99 reflects -$195 thousand in congressional undistributed reductions. FY 00 reflects revised inflation estimates. FY 01 reflects a $0.890 million increase to fund a new FLTT project and revisions to inflation estimates.

FY 2000-2001 BIENNIAL BUDGET REVIEW

RDT&E BUDGET PROJECT JUSTIFICATION SHEET (R-2a Exhibit)			DATE: FEBRUARY 1999							
APPROPRIATION/BUDGET ACTIVITY: RTD&E, Defense-Wide/Budget Activity 7			Program Element: 0708011S MANUFACTURING TECHNOLOGY							
COST (MILLIONS)	FY 98	FY 99	FY 00	FY 01	FY 02	FY 03	FY 04	FY 05	COST TO COMP	TOTAL
#1: COMBAT RATIONS	1.975	1.894	1.880	1.882	1.984	1.982	2.026	2.076	Cont	Cont

A. Mission Description and Justification

DLA Buys about $150 million worth of Combat Rations annually. The product has been military unique, with a limited industrial base capable of producing variety and quantities needed for surge, and dependent on orders from Government to remain viable. This initiative will ensure that DLA will have an industrial base to continue to support warfighters with combat rations properly. The program Partners develop new technology for implementation in their plants, after demonstrations conducted at Rutgers University, unifying the civilian and military manufacturing processes to expand the base.

(U) Program Accomplishments and Plans:

(U) FY 1998

*Continually reviewed present and future Government needs with producers, identified technology opportunities, made contract awards to Combat Rations Network Partners to address cost, quality, and surge capacity of combat rations (including MREs, Tray Pack items, Unitized Group Rations, etc.).

*Continue to examine industrial base opportunities with Partners.

*Continue to develop new technology for transfer and implementation into plants in the industrial base.

*Continue to provide assistance for implementation of new technology.

*Completed and implemented vendor quality management system at DSCP, to be part of FY 99 contracts.

*Demonstrated successful new Multi-Unit Leak Detector for MRE entre pouches, planned for implementation during FY 99 with assistance to contractors.

(U) FY 1999

*Update strategic plans and business case for CORANET.

*Continue work on technology development and implementation.

*Evaluate Ultrasonic technology for cost/quality benefits in combat ration manufacturing, with Ohio State University.

*Integrate Machine vision capability to prevent seal defects on polymeric tray and Multivac pouch sealing equipment.

FY 2000-2001 BIENNIAL BUDGET REVIEW

RDT&E BUDGET PROJECT JUSTIFICATION SHEET (R-2a Exhibit)	DATE: FEBRUARY 1999									
APPROPRIATION/BUDGET ACTIVITY: RTD&E, Defense-Wide/Budget Activity 7	Program Element: 0708011S MANUFACTURING TECHNOLOGY									
COST (MILLIONS)	FY 98	FY 99	FY 00	FY 01	FY 02	FY 03	FY 04	FY 05	COST TO COMP	TOTAL
#1: COMBAT RATIONS	1.975	1.894	1.880	1.882	1.984	1.982	2.026	2.076	Cont	Cont

A. Mission Descripton and Justification (con't):

(U) FY 2000
*Update strategic plans and business case for CORANET.
*Continue work on technology development and implementation.
(U) FY2001
*Update strategic plans and business case for CORANET.
*Continue work on technology development and implementation.

B. Program Change Summary: Restructure to emphasize implementation of an existing program.

```
                                          COST IN MILLIONS
                                 FY 98        FY 99        FY 00        FY 01
President's Budget Submission    1.975        1.900        1.900        1.858
Adjustment to Appropriated Value -----        -.006        -.020        +.024
Current Budget Submission        1.975        1.894        1.880        1.882
```

Change Summary Explanation: N/A

C. Other Program Funding Summary: No funding dependencies.
    Related Programs: None

FY 2000-2001 BIENNIAL BUDGET REVIEW

RDT&E BUDGET PROJECT JUSTIFICATION SHEET (R-2a Exhibit)	DATE: FEBRUARY 1999
APPROPRIATION/BUDGET ACTIVITY: RTD&E, Defense-Wide/Budget Activity 7	Program Element: 0708011S MANUFACTURING TECHNOLOGY

COST (MILLIONS)	FY 98	FY 99	FY 00	FY 01	FY 02	FY 03	FY 04	FY 05	COST TO COMP	TOTAL
#1: COMBAT RATIONS	1.975	1.894	1.880	1.882	1.984	1.982	2.026	2.076	0.000	Cont

D.   Schedule Profile: The Combat Ration Network for Technology Implementation (CORANET) is the Man Tech program managed at DLA Headquarters, through contracts from the Defense Supply Center, Philadelphia.

	FY 98	FY 99	FY 00	FY 01
Quarters	1234	1234	1234	1234
CORANET Project Areas Identified:				
Multiple Unit Leak Detection of MRE Pouches	XXXX	XXX		
Machine Vision Inspection of Combat Rations		XXXX	XXXX	XXXX
Polymetric Tray Seal Integrity Testing		XXX	XXXX	XXXX
Polymetric Tray Demonstration Production	XX	XXXX	XXXX	XXXX
Retort Rack Material Improvement Study	X	XXXX		
Failure Analysis and Prevention, MRE Pouches	XXXX			
Menu Variety vs Cost Decision Matrix	XXXX	XX		
Modified Atmosphere Packaging Sensitive Items	XXXX	XXXX		
Ultrasonic Seal/Inspect MRE Pouches Study	X	XXXX		
Horizontal F/F/Seal Ration Demo Production	XXXX	XXXX	XXXX	XXXX

FY 2000-2001 BIENNIAL BUDGET REVIEW

RDT&E PROGRAM ELEMENT/PROJECT COST BREAKDOWN (R-3)	DATE: FEBRUARY 1999
APPROPRIATION/BUDGET ACTIVITY: RTD&E, Defense-Wide/Budget Activity 7	Program Element: 0708011S MANUFACTURING TECHNOLOGY

A. Project Cost Breakdown

Combat Rations

Project Cost Categories	FY 98	FY 99	FY 00	FY 01
a. Manufacturing Process Support Costs	1.975	1.894	1.880	1.882

B. Budget Acquisition History and Planning Information

Contractor or Government Performing Activity	Contractor Method/Type Or Funding Vehicle	Award or Obligation Date	Performing Project Activity BAC	FY 98	FY 99	FY 00	FY 01	Budget to Complete	Total Program
Note: All contracts are CPFF, with Fee=Zero									
Rutgers	CPFF/C	06/10/96	N/A	1.975	1.894	1.880	1.882	Cont	Cont
Ohio State	CPFF/C	07/03/96							
Texas A&M	CPFF/C	07/11/96							
Wash State	CPFF/C	07/03/96							
IITR (NCFST)	CPFF/C	07/11/96							
R&DA for MIL Rations	CPFF/C	07/24/96							
Right Away Foods	CPFF/C	07/11/96							
Stable Foods	CPFF/C	08/14/96							
Ameriqual Foods	CPFF/C	07/22/96							
Sopakco	CPFF/C	07/22/96							
Sterling Foods	CPFF/C	07/22/96							
Land O'Frost Foods	CPFF/C	07/22/96							

Government Furnished Property N/A

FY 2000-2001 BIENNIAL BUDGET REVIEW

RDT&E BUDGET PROJECT JUSTIFICATION SHEET (R-2a Exhibit)	DATE: FEBRUARY 1999
APPROPRIATION/BUDGET ACTIVITY: RTD&E, Defense-Wide/Budget Activity 7	Program Element: 0708011S MANUFACTURING TECHNOLOGY

COST (MILLIONS)	FY 98	FY 99	FY 00	FY 01	FY 02	FY 03	FY 04	FY 05	COST TO COMP	TOTAL
#2: APPAREL RESEARCH NETWORK	2.604	2.810	2.570	2.570	2.766	2.763	2.866	2.857	Cont	Cont

A. Mission Description and Justification:

The Department of Defense, through the Defense Logistics Agency, purchases an average of $1 billion of clothing and textile items per year. Our current leadtime is up to 15 months and our current inventory acquisiton value is over $2 billion. ARN is a Manufacturing Technology program to improve the responsiveness of the industrial base that supplies the clothing items to the Military Services. It enables the small business oriented apparel producers to access state-of-the-art technologies through its R&D and technology transfer mechanism. The goal of this program is to reduce the average apparel leadtime from 6 months to 6 weeks and to reduce the inventory carrying costs by 50%. A 50% reduction in carrying cost would reduce the cost to the customer by 20%.

(U) Program Accomplishments and Plans:
(U) FY 1998
*Implement Electronic Ordering Forms via Internet for special measurement orders.
*Field test 3-D Whole Body Scanning for Customer Driven Uniform Manufacture at the Marine Corps Recruit Training Center in San Diego, CA.
*Conduct Virtual Prime Vendor demonstrations (Clemson and Cal Poly) that provide supply chain asset visibility, automated electronic ordering process and inventory forecasting capabilities. The initial objective is to assist the two Marine Corps Recruit Training Centers (Parris Island and San Diego) to minimize retail inventories and ultimately to assist DLA ICP (DPSC) to reduce system-wide wholesale inventories.
(U) FY 1999
*Reduce Lead Time and Inventory by 50% at MCRD Parris Island and San Diego.
(U) FY 2000
*Integrate 3-D Scanning and Balanced Inventory Flow Systems at MCRD, San Diego.
(U) FY 2001
*Lead-Time & Inventory Reduction includes other services.

FY 2000-2001 BIENNIAL BUDGET REVIEW

RDT&E BUDGET PROJECT JUSTIFICATION SHEET (R-2a Exhibit)			DATE: FEBRUARY 1999							
APPROPRIATION/BUDGET ACTIVITY: RTD&E, Defense-Wide/Budget Activity 7			Program Element: 0708011S MANUFACTURING TECHNOLOGY							
COST (MILLIONS)	FY 98	FY 99	FY 00	FY 01	FY 02	FY 03	FY 04	FY 05	COST TO COMP	TOTAL
#2: APPAREL RESEARCH NETWORK	2.604	2.810	2.570	2.570	2.766	2.763	2.866	2.857	Cont	Cont

B. Program Change Summary:

```
                                         COST IN MILLIONS
                                FY 98         FY 99         FY 00         FY 01
President's Budget Submission   2.690         2.877         2.600         2.581
Adjustment to Appropriated Value -.086        -.067         -.030         -.011
Current Budget Submission       2.604         2.810         2.570         2.570
```

Change Summary Explanation: FY 98 ARN reflects below threshhold program adjustments. FYs 99, 00, 01, and outyears reflect inflation.

C. Other Program Funding Summary: No funding dependencies.

D. Schedule profile:

```
                                            FY 98         FY 99         FY 00         FY 01
                   Quarters                 1234          1234          1234          1234
Operate Clemson Demo                        XXXX          XXXX          XXXX          XXXX
Operate Cal Poly Demo                       XXXX          XXXX          XXXX          XXXX
3-D Scan Data Extractions & System Integration XXXX       XXXX          XXXX
Balanced Inventory Flow-Supply Chain Integration XXXX     XXXX          XXXX          XXXX
Special Measurement Processes               XXXX          XXXX
Advanced Pre-Production Development          XXXX
```

FY 2000-2001 BIENNIAL BUDGET REVIEW

RDT&E PROGRAM ELEMENT/PROJECT COST BREAKDOWN (R-3)	DATE: FEBRUARY 1999
APPROPRIATION/BUDGET ACTIVITY: RTD&E, Defense-Wide/Budget Activity 7	Program Element: 0708011S MANUFACTURING TECHNOLOGY

A. Project Cost Breakdown
Apparel Research Network

Project Cost Categories	FY 98	FY 99	FY 00	FY 01
a. Manufacturing Process Support Costs	2.604	2.810	2.570	2.570

B. Budget Acquisition History and Planning Information
Performing organizations

Contractor or Government Performing Activity	Contractor Method/Type Or Funding Vehicle	Award or Obligation Date	Performing Project Activity BAC	FY 98	FY 99	FY 00	FY 01	Budget to Complete	Total Program

Note: All contracts are CPFF, with Fee=Zero
Anthropology Research

Project, Inc.	CPFF/C	12/09/94	N/A	2.604	2.810	2.570	2.570		
Cont Cont									
Beecher Research Co	CPFF/C	01/23/95							
Cal Poly Univ, Pomona	CPFF/C	12/09/94							
Clemson University	CPFF/C	12/09/94							
Cyberware	CPFF/C	05/10/95							
EDI Integration	CPFF/C	12/13/94							
Georgia Institute of Technology	CPFF/C	12/09/94							
NCSU	CPFF/C	12/23/94							
Southern Tech	CPFF/C	12/09/94							
Ohio University	CPFF/C	01/12/95							

Government Furnished Property N/A

FY 2000-2001 BIENNIAL BUDGET REVIEW

RDT&E BUDGET PROJECT JUSTIFICATION SHEET (R-2a Exhibit)	DATE: FEBRUARY 1999									
APPROPRIATION/BUDGET ACTIVITY: RTD&E, Defense-Wide/Budget Activity 7	Program Element: 0708011S MANUFACTURING TECHNOLOGY									
COST (MILLIONS)	FY 98	FY 99	FY 00	FY 01	FY 02	FY 03	FY 04	FY 05	COST TO COMP	TOTAL
#3: AMERICAN METAL CASTING (AMC)	3.687	2.089	2.215	2.071	2.324	2.322	2.332	2.426	Cont	Cont

A.   Mission Description and Justification:

Long time weapon system spares are often metal castings. The program reduces lead time with Castings Advanced Systems Technology - Integration Teams (CAST-IT), by deploying advanced design and acquisition processes, and by improving foundry processes.

CAST-IT teams have worked with DLA Supply Centers and Military Services and Weapons Systems Primes and Subs to demonstrated $5.1 M annual savings, and 50% or more lead time savings, on ship to ship refueling sockets, 120mm mortar, C141 rod guide, M1 breech opening handle, M284 carrier housing, BAT missile fuselage, Bradley Commander's Independent Viewer, MEP 16 generator, Fast Frigate Thrust Assembly, and other parts.

Advanced Metalcasting design and acquisition processes have been deployed at Army Benet Labs and Watervliet Arsenal, and are being deployed for DSCR and DSCC, Tank Automotive Command, and Picatinny Arsenal. This part of the program upgrades the technical skills of engineering, supply, quality, and procurement personnel so that lead time problems are prevented.

Foundry processes are being improved through research at Pennsylvania State University (improved dimensional control), University of Alabama - Birmingham (machining reject reduction and aluminum reliability), University of Tennessee (high alloy caasting weldability), Ohio State University (machining reject reduction, computer visualization, short run processes, and dimensional control), and Northwestern University (fast free form fabrication).

(U) Program Accomplishments and Plans:
(U) FY 1998
*Integrated metalcasting design and acquisition at DLA sites to save over $45M in acquisition and lifecycle costs a demonstrated by M1A1 Ice Cleats and Frigate Thrust Assemblies.
(U) FY 1999
*Increasing metalcasting technology deployment throughout DLA and DoD to further reduce weapon system costs especially in On Demand, Virtual Manufacturing Enterprise.

FY 2000-2001 BIENNIAL BUDGET REVIEW

RDT&E BUDGET PROJECT JUSTIFICATION SHEET (R-2a Exhibit)	DATE: FEBRUARY 1999									
APPROPRIATION/BUDGET ACTIVITY: RTD&E, Defense-Wide/Budget Activity 7	Program Element: 0708011S MANUFACTURING TECHNOLOGY									
COST (MILLIONS)	FY 98	FY 99	FY 00	FY 01	FY 02	FY 03	FY 04	FY 05	COST TO COMP	TOTAL
#3: AMERICAN METAL CASTING (AMC)	3.687	2.089	2.215	2.071	2.324	2.322	2.332	2.426	Cont	Cont

(U) Program Accomplishments and Plans (Cont)
(U) FY 2000
*Develop next generation short run, rapid response metalcasting technologies for weapon system lifecycle extension and support.
(U) FY 2001
*Deploy commercially viable information technology based metalcasting technologies for assured and affordable aging and next generation weapon systems.

B. Program Change Summary:

```
                                      COST IN MILLIONS
                              FY 98       FY 99       FY 00       FY 01
President's Budget Submission  3.773       2.154       2.245       2.171
Adjustment to Appropriated Value -.086      -.065       -.030       -.100
Current Budget Submission      3.687       2.089       2.215       2.071
```

Change Summary Explanation: FY 98 reflects below threshhold program adjustments. FYs 99, 00, 01, and outyears reflect inflation.

C. Other Program Funding Summary: No funding dependencies.

```
D. Schedule Profile:               FY 98       FY 99       FY 00       FY 01
           Quarters                1234        1234        1234        1234
CAST-IT                            XXXX        XXXX        XXXX        XXXX
Advanced Design & Acquisition      XXXX        XXXX        XXXX        XXXX
Foundry Research                   XXXX        XXXX        XXXX        XXXX
```

FY 2000-2001 BIENNIAL BUDGET REVIEW

RDT&E PROGRAM ELEMENT/PROJECT COST BREAKDOWN (R-3)	DATE: FEBRUARY 1999
APPROPRIATION/BUDGET ACTIVITY: RTD&E, Defense-Wide/Budget Activity 7	Program Element: 0708011S MANUFACTURING TECHNOLOGY

A. Project Cost Breakdown
American Metal Casting (AMC

	FY 98	FY 99	FY 00	FY 01
a. Manufacturing Process Support Costs	3.687	2.089	2.215	2.071

B. Budget Acquisition History and Planning Information
Performing organizations

Contractor or Government Performing Activity	Contractor Method/Type Or Funding Vehicle	Award or Obligation Date	Performing Project Activity BAC	FY 98	FY 99	FY 00	FY 01	Budget to Complete	Total Program
ATI	Cost Share	10/26/94	N/A	3.687	2.089	2.215	2.071	Cont	Cont

Government Furnished Property: None

FY 2000-2001 BIENNIAL BUDGET REVIEW

RDT&E BUDGET PROJECT JUSTIFICATION SHEET (R-2a Exhibit)	DATE: FEBRUARY 1999

APPROPRIATION/BUDGET ACTIVITY: RTD&E, Defense-Wide/Budget Activity 7	Program Element: 0708011S MANUFACTURING TECHNOLOGY

COST (MILLIONS)	FY 98	FY 99	FY 00	FY 01	FY 02	FY 03	FY 04	FY 05	COST TO COMP	TOTAL
#4: RAPID ACQUISITION OF MANUFACTURED PARTS	7.600	7.976	0.000	0.000	0.000	0.000	0.000	0.000	0.000	15.576

A. Mission Description and Justification:

(U) RAMP develops, prototypes, and demonstrates the capability for data-driven, just-in-time, low volume manufacturing of hard to obtain parts. RAMP has demonstrated the capability to reduce the total lead time for hard to find parts from over 400 days to less than 30 days. This is accomplished with the application of advanced design and manufacturing technology. RAMP leads in the development of Standard for Exchange Product Data (STEP) protocols and the application and development of tools that use STEP data to reduce lead times. Small parts manufacturing is vital to DoD's spares and new acquisition business since the DoD rarely buys items in large quantities.
(U) Program Accomplishments and Plans:
(U) FY 1998:
*Completed transitioning the program from the Navy to DLA Manufacturing Technology Program.
*Continued to develop and test STEP standards for use by DoD.
*Demonstrated an integrated repair/manufacturing system.
(U) FY 1999
*EMall/ODM process demonstration, develop tools to support ODM on the EMall, and product data and manufacturing brokering.
*Develop EMall/ODM Architecture.
*Develop, proveout and deploy incremental prototypes in sync with AP224VZ.
*Develop, proveout, and deploy Modular RAMP V3.0.
(U) FY 2000:   N/A
(U) FY 2001:   N/A

FY 2000-2001 BIENNIAL BUDGET REVIEW

RDT&E BUDGET PROJECT JUSTIFICATION SHEET (R-2a Exhibit)			DATE: FEBRUARY 1999								

APPROPRIATION/BUDGET ACTIVITY: RTD&E, Defense-Wide/Budget Activity 7			Program Element: 0708011S MANUFACTURING TECHNOLOGY								

COST (MILLIONS)	FY 98	FY 99	FY 00	FY 01	FY 02	FY 03	FY 04	FY 05	COST TO COMP	TOTAL
#4: RAPID ACQUISITION OF MANUFACTURED PARTS	7.600	7.976	0.000	0.000	0.000	0.000	0.000	0.000	0.000	15.576

B. Program Change Summary: Program was transferred from Navy to DLA beginning in FY 1998.

```
                                      COST IN MILLIONS
                              FY 98        FY 99        FY 00        FY 01
President's Budget Submission +7.900       8.000        0.000        0.000
Adjustment to Appropriated Value -.300     -.024        -----        -----
Current Budget Submission     7.600        7.976        0.000        0.000
```

Change Summary Explanation: The Congress added $4.0 million (minus $.300 million in undistributed reductions) to DLA's FY 98 budget for RAMP and DoD realigned $3.9 million to fully fund the program. It is also congressionally funded in FY 99. FY 99 adjustment reflects a congressional undistributed reduction.

C. Other Program Funding Summary: No funding dependencies.

```
D.  Schedule Profile:           FY 98        FY 99        FY 00        FY 01
          Quarters              1234         1234         1234         1234
Advanced Manufacturing          XXXX         XXXX
Product Data Engineering        XXXX         XXXX
Electronic Commerce             XXXX         XXXX
```

FY 2000-2001 BIENNIAL BUDGET REVIEW

RDT&E PROGRAM ELEMENT/PROJECT COST BREAKDOWN (R-3)	DATE: FEBRUARY 1999
APPROPRIATION/BUDGET ACTIVITY: RTD&E, Defense-Wide/Budget Activity 7	Program Element: 0708011S MANUFACTURING TECHNOLOGY

A. Project Cost Breakdown
Rapid Acquisition of Manufactured Parts (RAMP)

Project cost Categories	FY 98	FY 99	FY 00	FY 01
a. Manufacturing Process Support Costs	7.600	7.976	0.000	0.000

B. Budget Acquisition History and Planning Information
Performing organizations

Contractor	Contract Type	Award	Performing Project	FY 98	FY 99	FY 00	FY 01	Budget to Complete	Total Program
SCRA	Cost	10/26/94	N/A	7.600	7.976	0.000	0.000	0.000	15.576

Government Furnished Property: N/A

FY 2000-2001 BIENNIAL BUDGET REVIEW

RDT&E BUDGET PROJECT JUSTIFICATION SHEET (R-2a Exhibit)			DATE: FEBRUARY 1999								

APPROPRIATION/BUDGET ACTIVITY: RTD&E, Defense-Wide/Budget Activity 7			Program Element: 0708011S MANUFACTURING TECHNOLOGY								

COST (MILLIONS)	FY 98	FY 99	FY 00	FY 01	FY 02	FY 03	FY 04	FY 05	COST TO COMP	TOTAL
#5: CASTING EMISSION REDUCTION PROGRAM	9.537	11.267	0.000	0.000	0.000	0.000	0.000	0.000	0.000	20.804

A. Mission Description and Justification:

During the last decade, the number of US sources for metal castings has shrunk by over one fourth due in large part to the increased environmental regulations. With an overall DoD acquisition of approximately $2.3 billion in military specific metal castings, and an industry continuing to shrink or move off-shore, it is critical to continued supply to find environmental solutions which allow the industry to remain domestic and cost competitive. The Casting Emission Reduction Program is a program who's mission is to find materials and processes which allow industry and organic DoD foundries to meet stringent emission requirements and still provide cost competitive metal castings. Participants include McClellan AFB, the USCAR (comprised of the three U.S. automakers), U.S. EPA, California Air Resources Board, and the American Foundrymen's Society (AFS).

Program Accomplishments and Plans:
FY 1998
*Complete installation and startup of iron metal casting pilot plant
*Develop baseline data for standard test materials and environment
*Install and validate continuous emission monitoring system
*Complete the design, program and integration of data analysis and reporting system
*Acquire, install, and validate aluminum green sand testing capability
*Research real-time particulate matter measurement Phase I
*Install and validate real-time particulate matter measurement devices Phase I
*Operate and support testing measurement and data reporting
*Operate and support pilot plant for testing for FY 99
*Develop and deliver low level measurement instrumentation Phase I
*Develop and deliver finite element solidification modeling tools Phase I
*Develop operating procedures and documentation for pilot plant
FY 1999
*Research sand morphology and interaction with non hazardous binder products Phase I
*Acquire, install, and test dry sand process and aluminum
*Research real-time particulate matter measurement Phase II
*Install and validate real-time particulate matter mesurement devices Phase II

FY 2000-2001 BIENNIAL BUDGET REVIEW

RDT&E BUDGET PROJECT JUSTIFICATION SHEET (R-2a Exhibit)	DATE: FEBRUARY 1999
APPROPRIATION/BUDGET ACTIVITY: RTD&E, Defense-Wide/Budget Activity 7	Program Element: 0708011S MANUFACTURING TECHNOLOGY

COST (MILLIONS)	FY 98	FY 99	FY 00	FY 01	FY 02	FY 03	FY 04	FY 05	COST TO COMP	TOTAL
#5: CASTING EMISSION REDUCTION PROGRAM	9.537	11.267	0.000	0.000	0.000	0.000	0.000	0.000	0.000	20.804

```
Program Accomplishments and Plans (cont):
*Research sand morphology and interaction with non hazardous binder products Phase II
*Improve accuracy of continuous emission monitoring systems
*Operate and support testing measurement and data reporting Phase II
*Continue operation and support for pilot plant testing
*Develop and deliver low level measurement instrumentation Phase II (AIGER)
*Deliver data via Internet
*Move and revalidate Pre-Production facility
*Modify pilot facility to accomodate testing discoveries
FY 2000:  N/A
FY 2001:  N/A

B.   Program Change Summary:  DLA received responsibility for the program in FY 98 as a Congressional add in FY 98 & FY 99.

                                      COST IN MILLIONS
                            FY 98        FY 99        FY 00        FY 01
President's Budget Submission 9.675        11.300       0.000        0.000
Adjustment to Appropriated Value -.138      -0.033       -----        -----
Current Budget Submission    9.537        11.267       0.000        0.000

Change Summary Explanation:  FY 98 and FY 99 reflect below threshhold program adjustments and congressional undistributed reductions.

C.   Other Program Funding Summary:  No funding dependencies.

D.   Schedule Profile:                FY 98        FY 99        FY 00        FY 01
          Quarters                    1234         1234         1234         1234
CERP                                  XXXX         XXXX
```

FY 2000-2001 BIENNIAL BUDGET REVIEW

RDT&E PROGRAM ELEMENT/PROJECT COST BREAKDOWN (R-3)	DATE: FEBRUARY 1999
APPROPRIATION/BUDGET ACTIVITY: RTD&E, Defense-Wide/Budget Activity 7	Program Element: 0708011S MANUFACTURING TECHNOLOGY

A. Project cost Breakdown
Casting Emission Reduction Program (CERP)

Project Cost Categories	FY 98	FY 99	FY 00	FY 01
a. Test & Evaluation	9.537	11.267	0.000	0.000

B. Budget Acquisition History and Planning Information
Performing organizations

Contractor or Government Performing Activity	Contractor Method/Type Or Funding Vehicle	Award or Obligation Date	Performing Project Activity BAC	FY 98	FY 99	FY 00	FY 01	Budget to Complete	Total Program
McClellan AFB	Cost	On-going	N/A	9.537	11.267	0.000	0.000	0.000	20.804
GSA	CPFF/C	On-going	N/A						
TSI	CPFF/C	On-going	N/A						
Radian	CPFF/C	On-going	N/A						
UC Davis	CPFF/C	On-going	N/A						
Other Contract Supt	Cost	TBD							

Government Furnished Property: Unknown at this time. Will be determined during the transition.

FY 2000-2001 BIENNIAL BUDGET REVIEW

RDT&E BUDGET PROJECT JUSTIFICATION SHEET (R-2a Exhibit)	DATE: FEBRUARY 1999

APPROPRIATION/BUDGET ACTIVITY: RTD&E, Defense-Wide/Budget Activity 7	Program Element: 0708011S MANUFACTURING TECHNOLOGY

COST (MILLIONS)	FY 98	FY 99	FY 00	FY 01	FY 02	FY 03	FY 04	FY 05	COST TO COMP	TOTAL
#6: FORGING LEAD TIME TECHNOLOGY	0.000	0.000	0.000	0.869	1.312	1.965	1.995	2.026	0.000	Cont

A. Mission Description and Justification:

Forging Lead Time Technoloy will develop ways to make forgings for land, sea, and air weapons that are better, cheaper, and faster to produce. Forgings are frequently identified as lead time drivers for many weapons systems. Traditional forging processes are characterized by trial and error, which can be very expensive when small quantity spare parts are needed. This program will develop technology to make small quantities of spare parts quickly and economically. This technology will be applied to DLA requirements so that weapons system availability is improved.
(U) Program Accomplishments and Plans:
(U) FY 1998 N/A
(U) FY 1999 N/A
(U) FY 2000 N/A
(U) FY 2001
*Begin technology development.

B. Program Change Summary:

	COST IN MILLIONS			
	FY 98	FY 99	FY 00	FY 01
President's Budget Submission	0.000	0.000	0.000	0.000
Adjustment to Appropriated Value	-----	-----	-----	+.869
Current Budget Submission	0.000	0.000	0.000	0.869

Change Summary Explanation: New project per Agency TOA re-distribution.

C. Other Program Funding Summary: No funding dependencies.

D. Schedule Profile:

	FY 98	FY 99	FY 00	FY 01
Quarters	1234	1234	1234	1234
Technology Developments				XXXX
Spare Parts Lead Time Demonstration				

Exhibit R-2, RDT&E Budget Item Justification					Date: FEBRUARY 1999					
APPROPRIATION/BUDGET ACTIVITY: 0400/06					R-1 ITEM NOMENCLATURE Defense Human Resources Activity: 0605803S					
COST (In Millions)	FY98	FY99	FY00	FY01	FY02	FY03	FY04	FY05	COST TO COMPLETE	TOTAL COST
Total PE Cost	8.016	8.151	8.261	8.825	8.877	9.022	9.022	8.978	Continuing	Continuing
0001 Joint Service Training & Readiness Systems & Development	3.531	3.552	3.658	3.919	3.944	3.971	3.971	3.952	Continuing	Continuing
0002 Defense Training Resource Analysis	2.774	2.847	2.853	3.077	3.098	3.123	3.123	3.107	Continuing	Continuing
0003 DoD Enlistment Processing and Testing	1.711	1.752	1.750	1.829	1.835	1.928	1.928	1.919	Continuing	Continuing
A. Mission Description and Budget Item Justification (See Enclosures) The Department approved the merger of Defense Manpower Data Center (DMDC) and Defense Civilian Personnel Management Service to form a single field activity the Defense Human Resources Activity beginning in FY 1998.										

Exhibit R-2, RDT&E Budget Item Justification					DATE: FEBRUARY 1999					
APPROPRIATION/BUDGET ACTIVITY: 0400/06					PROGRAM ELEMENT (PE) NAME & NUMBER: Defense Human Resources Activity: 0605803S					
COST (In Millions)	FY98	FY99	FY00	FY01	FY02	FY03	FY04	FY05	COST TO COMPLETE	TOTAL COST
Total PE Cost	8.016	8.151	8.261	8.825	8.877	9.022	9.022	8.978	Continuing	Continuing
0001 Joint Service Training & Readiness Systems Development	3.531	3.552	3.658	3.919	3.944	3.971	3.971	3.952	Continuing	Continuing
0002 Defense Training Resource Analysis	2.774	2.847	2.853	3.077	3.098	3.123	3.123	3.107	Continuing	Continuing
0003 DoD Enlistment Processing and Testing	1.711	1.752	1.750	1.829	1.835	1.928	1.928	1.919	Continuing	Continuing

A. Mission Description and Budget Item Justification

0001 The Joint Service programs were established by the Secretary of Defense to improve the training and readiness of the Active and Reserve Components. The PE is located in Budget Activity 6, RDT&E Management Support, to expedite the prototype development of new training and readiness technologies and Joint Service training and readiness systems which improve the training and readiness effectiveness and enhance the performance of the military forces. It also facilitates the sharing of training and readiness information, while allowing for the transfer of emerging and innovative technologies among the Services and private sector.

0002 This project supports the Defense Human Resources Field Activity (DHRA) and DoD training managers (OSD, Joint Staff, Unified Commands, and the Services) in promoting more efficient and effective use of training resources, increasing the effectiveness of military training, and enhancing the readiness and performance of the military forces. Projects analyze the contributions to readiness of various training techniques and programs and use the results to expedite new training concepts and procedures that increase unit effectiveness or decrease costs. Emphasis is placed on developing analytical tools and systematic methodologies to improve training resource allocations.

0003 The project is located in Budget Authority 6, RDT&E Management Support, to administer testing programs which enable the Armed Services to select highly qualified military recruits. The DoD uses a single test, the Armed Services Vocational Aptitude Battery (ASVAB) to determine eligibility of military applicants and to report recruit quality data to Congress. High quality recruits are obtained from administering the ASVAB annually to approximately 600,000 applicants for Military Service as part of the DoD Enlistment Testing program, and to 1 million students in the DoD Student Testing program. Each Service also uses ASVAB test forms developed in this program as part of their in-service testing programs.

Exhibit R-2, RDT&E Budget Item Justification					DATE: FEBRUARY 1999					
APPROPRIATION/BUDGET ACTIVITY: 0400/06					PROGRAM ELEMENT (PE) NAME & NUMBER: Defense Human Resources Activity: 0605803S					
COST (In Millions)	FY98	FY99	FY00	FY01	FY02	FY03	FY04	FY05	COST TO COMPLETE	TOTAL COST
Total PE Cost	8.016	8.151	8.261	8.825	8.877	9.022	9.022	8.978	Continuing	Continuing
0001 Joint Service Training & Readiness Systems & Development	3.531	3.552	3.658	3.919	3.944	3.971	3.971	3.952	Continuing	Continuing
0002 Defense Training Resource Analysis	2.774	2.847	2.853	3.077	3.098	3.123	3.123	3.107	Continuing	Continuing
0003 DoD Enlistment Processing and Testing	1.711	1.752	1.750	1.829	1.835	1.928	1.928	1.919	Continuing	Continuing

A.   Mission Description and Budget Item Justification (Continued)
0003 New ASVAB test forms and related support materials are implemented every four years. This allowsDoD to make measurement improvements as well as decrease the likelihood of test compromise. Ongoing RDT&E efforts control functions include development and evaluation of procedures which (1) reduce or eliminate threats to the validity of the ASVAB test scores generated; (2) improve the efficiency of the test development, calibration, and validation process; and (3) improve selection and classification decisions made by each Service through more effective use of test score information. In addition, periodic assessments are required to provideDoD manpower planners and Congress with information on aptitude trends in the population from which recruits are drawn.

B.   Program Change Summary   FY98   FY99   FY00   FY01   Total Cost
     Previous President's Budget   8.016   8.248   8.371   8.958   Continuing
     Adjustments to Appropriated Value   -.097   -.110   -.133
     Current Budget Submit/President's Budget   8.016   8.151   8.261   8.825   Continuing
FY 99 reflects -$97 thousand for congressional undistributed reductions.FYs 00 and 01 reflect inflation reductions.

C.   Other Program Funding Summary   (N/A)

Exhibit R-2a, RDT&E Budget Project Justification								DATE: FEBRUARY 1999	
APPROPRIATION/BUDGET ACTIVITY: 0400/06				PROGRAM ELEMENT (PE) NAME & NUMBER: Defense Human Resources Activity: 0605803S					
COST (In Millions)	FY98	FY99	FY00	FY01	FY02	FY03	FY04	FY05	COST TO COMPLETE	TOTALCOST
0001 Joint Service Training & Readiness Systems & Development	3.531	3.552	3.658	3.919	3.944	3.971	3.971	3.952	Continuing	Continuing

A. Mission Description & Budget Item Justification

0001 The Joint Service programs were established by the Secretary of Defense to improve the training and readiness of the Active and Reserve Components. The PE is located in Budget Activity 6, RDT&E Management Support, to expedite the prototype development of new training and readiness technologies and Joint Service training and readiness systems which improve the training and readiness effectiveness and enhance the performance of the military forces. It also facilitates the sharing of training and readiness information, while allowing for the transfer of emerging and innovative technologies among the Services and private sector.

B. Program Change Summary	FY98	FY99	FY00	FY01	TOTAL COST
Previous President's Budget	3.531	3.636	3.707	3.978	Continuing
Adjustments to Appropriated Value		-.084	-.049	-.059	
Current President's Budget Submission	3.531	3.552	3.658	3.919	Continuing

C. Other Program Funding Summary (N/A)

D. Schedule Profile

FY 1998 Accomplishments: (3.531)
o Developed comprehensive DoD strategy to gain full benefit from embedded training technologies
o Developed guidelines for using networked simulation to improve mission readiness through rehearsal and risk assessment
o Developed methods to reengineer individual training processes through the use of Advanced Distributed Learning (ADL)

Exhibit R-2a, RDT&E Budget Project Justification								DATE: FEBRUARY 1999	
APPROPRIATION/BUDGET ACTIVITY: 0400/06					PROGRAM ELEMENT (PE) NAME & NUMBER: Defense Human Resources Activity: 0605803S				
COST (In Millions)	FY98	FY99	FY00	FY01	FY02	FY03	FY04	FY05	COST TO COMPLETE	TOTAL COST
0001 Joint Service Training & Readiness Systems & Development	3.531	3.552	3.658	3.919	3.944	3.971	3.971	3.052	Continuing	Continuing

FY 1999 Plans (3.552)
o Test comprehensive DoD strategy to gain full benefit from embedded training technologies
o Develop a system to archive joint training effectiveness data
o Continue development of methods to reengineer individual training processes through the use of ADL
o Study effects of the Global Military Force Management Policy and its affect on management of Low Density High Demand units

FY 2000 Plans (3.658)
o Oversee implementation of methods to reengineer individual training processes through the use of ADL
o Implement DoD strategy to gain full benefit from embedded training technologies
o Develop guidelines for using networked simulation to improve mission readiness through rehearsal and risk assessment

FY 2001 Plans (3.919)
o Develop a common DoD master plan for collaborative development of ADL content
o Develop recommendations on ways JSIMS and supporting tools can be integrated into the Joint Experimentation process
o Develop recommendations on DoD policy to acquire interoperable Integrated Electronic Technical Manuals and training weapon systems support products

Exhibit R-2a, RDT&E Budget Project Justification				DATE: FEBRUARY 1999						
APPROPRIATION/BUDGET ACTIVITY: 0400/06				PROGRAM ELEMENT (PE) NAME & NUMBER: Defense Human Resources Activity: 0605803S						
COST (In Millions)	FY98	FY99	FY00	FY01	FY02	FY03	FY04	FY05	COST TO COMPLETE	TOTAL COST
0002 Defense Training Resource Analysis	2.774	2.847	2.853	3.077	3.098	3.123	3.123	3.107	Continuing	Continuing

A. Mission Description & Budget Item Justification

0002   This project supports the Defense Human Resources Activity (DHRA) and DoD training managers (OSD, Joint Staff, Unified Commands and the Services) in promoting more efficient and effective use of training resources, increasing the effectiveness of military training, and enhancing the readiness and performance of the military forces. Projects analyze the contributions to readiness of various training techniques and programs and use the results to expedite new training concepts and procedures that increase unit effectiveness or decrease costs. Emphasis is placed on developing analytical tools and systematic methodologies to improve training resource allocations.

B. Program Change Summary	FY98	FY99	FY00	FY01	TOTAL COST
Previous President's Budget	2.774	2.855	2.891	3.123	Continuing
Adjustments to Appropriated Value		-.008	-.038	-.046	
Current President's Budget Submission	2.774	2.847	2.853	3.077	Continuing

C. Other Program Funding Summary   (N/A)

D. Schedule Profile

   FY 1998 Accomplishments (2.774)
o   Completed an analysis of the current institutional training infrastructures of the Services, identifying areas which are candidates for reengineering and which offer potential savings
o   Designed and built an analytical decision support tool that links key collective/unit training data to resource requirements
o   Developed analytical tools and methods to expedite the implementation of more cost-effective training concepts that enhance individual and unit performance

Exhibit R-2a, RDT&E Budget Project Justification									DATE: FEBRUARY 1999	
APPROPRIATION/BUDGET ACTIVITY: 0400/06					PROGRAM ELEMENT (PE) NAME & NUMBER: Defense Human Resources Activity: 0605803S					
COST (In Millions)	FY98	FY99	FY00	FY01	FY02	FY03	FY04	FY05	COST TO COMPLETE	TOTAL COST
0002 Defense Training Resource Analysis	2.774	2.847	2.853	3.077	3.098	3.123	3.123	3.107	Continuing	Continuing

FY 1999 Plans (2.847)
o Develop a system to provide resources, facilities and simulations for effective Service-level and joint training
o Develop recommendations to increase the use of private-sector entities in performing training functions
o Examine opportunities for training consolidation

FY 2000 Plans (2.853)
o Continue development of a system to provide resources, facilities and simulations for effective Service-level and joint training
o Demonstrate methods to estimate future resource needs for readiness
o Test recommendations to increase the use of private-sector entities in performing training functions

FY 2001 Plans (3.077)
o Test system development to provide resources, facilities and simulations for effective Service level and joint training
o "Normalize" Status of Readiness and Training System (SORTS) to address changes in training policy and force structure
o Analyze test results of program to increase use of private sector entities in performing training functions

Exhibit R-2a, RDT&E Budget Project Justification					DATE: FEBRUARY 1999					
APPROPRIATION/BUDGET ACTIVITY: 0400/06					PROGRAM ELEMENT (PE) NAME & NUMBER: Defense Human Resources Activity: 0605803S					
COST (In Millions)	FY98	FY99	FY00	FY01	FY02	FY03	FY04	FY05	COST TO COMPLETE	TOTAL COST
0003 DoD Enlistment Processing and Testing	1.711	1.752	1.750	1.829	1.835	1.928	1.928	1.919	Continuing	Continuing

A. **Mission Description & Budget Item Justification**
0003   The primary mission is to test and implement more accurate methods of assessing aptitudes required for military enlistment, success in training, and performance on the job. Also, it includes implementing methods that are useful in the identification of persons with the high aptitudes required by today's smaller and technically more demanding military.

B. **Program Change Summary**

	FY98	FY99	FY00	FY01	TOTAL COST
Previous President's Budget	1.711	1.757	1.773	1.857	Continuing
Adjustments to Appropriated Value		-.005	-.023	-.028	
Current President's Budget Submission	1.711	1.752	1.750	1.829	Continuing

C. **Other Program Funding Summary**   (N/A)

D. **Schedule Profile**

    FY 1998 Accomplishments (1.711)
    DoD Enlistment Testing Program (ETP) (1.027 million)
  o Developed and calibrate new test items for the next generation of CAT-ASVAB forms
  o Implemented new CAT-ASVAB forms ¾
     DoD Student Testing Program (STP) (.684 million)
  o Updated and implement support materials for the Career Exploration Program
  o Began revision of the DoD STP document called *Military Careers*
  o Published new Technical Manual for the Student Testing Program

Exhibit R-2a, RDT&E Budget Project Justification						DATE: FEBRUARY 1999				
APPROPRIATION/BUDGET ACTIVITY: 0400/06						PROGRAM ELEMENT (PE) NAME & NUMBER: Defense Human Resources Activity: 0605803S				
COST (In Millions)	FY98	FY99	FY00	FY01	FY02	FY03	FY04	FY05	COST TO COMPLETE	TOTAL COST
0003 DoD Enlistment Processing and Testing	1.711	1.752	1.750	1.829	1.835	1.928	1.928	1.919	Continuing	Continuing

FY 1999 Plans (1.752)
Enlistment Testing Program (ETP) (1.051 million)
o Resolve issues surrounding and implement new ASVAB order
o Begin on-line calibration of new ASVAB test items
o Develop new test items for out-years paper and pencil and CAT-ASVAB forms (for years 2004 and beyond)
Student Testing Program (STP) (.701 million)
o Publish revisions for the ASVAB Student Workbook and Technical Manual for the ASVAB 18/19 Career Exploration
   Program

FY 2000 Plans (1.750)
DoD Enlistment Testing Program (ETP) (1.050 million)
o Implement new ASVAB test order
o Continue development of on-line calibration procedures. Publish results to-date in professional literature
o Prepare for Implementation of new normative information
o Continue with development of new normative score scale for implementation this year or next
o Develop other analyses of normative data and publish
o Continue development of procedures to detect compromise and item parameter drift on computer adaptive tests.
   DoD Student Testing Program (STP) (.700 million)
o Continue development of new ASVAB forms for the Student Testing Program
o Prepare for implementation of new normative information

FY 2001 Plans (1.829)
DoD Enlistment Testing Program (ETP) (1.097 million)
o Implement new normative score scale
o Implement new forms of the paper and pencil ASVAB for the enlisted testing program
o Continue with on-line item calibration and begin research stream for on-line form calibration
o Implement new procedures for detection of item/test compromise
   DoD Student Testing Program (STP) (.732 million)
o Implement new career exploration program with new materials
o Implement new normative information and score scale for STP ASVAB
o Implement now normative information and score scale for the interest-finder
o Revise Military Careers to be compatible with the O*NET

Unclassified
FY2000/001 Biennial Budget Estimates

RDT&E BUDGET ITEM JUSTIFICATION SHEET (R-2 Exhibit)					DATE: FEBRUARY 1999						
APPROPRIATION/BUDGET ACTIVITY: RDT&E, Defense-Wide/Budget 0400/06					Program Element: 0605798S Defense Technology Analysis						
COST (MILLIONS)	FY 98	FY 99	FY 00	FY 01	FY 02	FY 03	FY 04	FY 05	COST TO COMP	TOTAL
Total PE Cost	8.542	7.978	4.974	5.076	5.106	5.179	5.287	5.354	Continuing	Continuing
001 DOD Technology Analysis Office	5.644	3.990	4.170	4.281	4.319	4.400	4.514	4.593	Continuing	Continuing
002 Technology Integration	0.000	0.997	0.804	0.795	0.787	0.779	0.773	0.761	Continuing	Continuing
003 Commodity Management System Consolidation (CMSC)	2.898	2.991	------	------	------	------	------	------	0.0	5.889

 A. Mission Description and Budget Item Justification: (See Enclosures)

Unclassified

RDT&E BUDGET PROJECT JUSTIFICATION SHEET (R-2a Exhibit)					DATE: FEBRUARY 1999					
APPROPRIATION/BUDGET ACTIVITY: RDT&E, Defense-Wide/Budget 0400/06					Program Element: 0605798S Defense Technology Analysis					
COST (MILLIONS)	FY 98	FY 99	FY 00	FY 01	FY 02	FY 03	FY 04	FY 05	COST TO COMP	TOTAL
001 DOD Technology Analysis Office	5.644	3.990	4.170	4.281	4.319	4.400	4.514	4.593	Continuing	Continuing

A. Mission Description and Budget Item Justification:

This program element is found in Budget Authority 6, RDT&E Management Support, to provide engineering, scientific and analytical support to the Office of the Director of Defense, Research and Engineering (ODDR&E) in its responsibility for direction, overall quality, and content of the Science and Technology (S&T) program and ensuring that the technology being developed is affordable and minimizes system development risk. The primary purpose of program element is to facilitate the development of the S&T program and conduct assessments and analyses of the S&T program to ensure maximum utilization of Research and Development funds to accomplish the overall objectives of the S&T program. Funds are required for technical and analytical support, equipment, supplies, travel, utilities, communications, facilities, and publications.

\

RDT&E BUDGET PROJECT JUSTIFICATION SHEET (R-2a Exhibit)								DATE: FEBRUARY 1999		

APPROPRIATION/BUDGET ACTIVITY:
RDT&E, Defense-Wide/Budget 0400/06

Program Element:
 0605798S Defense Technology Analysis

COST (MILLIONS)	FY 98	FY 99	FY 00	FY 01	FY 02	FY 03	FY 04	FY 05	COST TO COMP	TOTAL
001 DOD Technology Analysis Office	5.644	3.990	4.170	4.281	4.319	4.400	4.514	4.593	Continuing	Continuing

FY 1998 Plans:

o Provide engineering, scientific, analytical, and managerial support to the ODDR&E in developing strategies and plans to exploit and develop technology. (.420)
o Provide engineering, scientific, analytical, and managerial support to the ODDR&E in conducting analyses, developing policies, making recommendations, and developing guidance for science and technology plans and programs. (1.630)
o Provide engineering, scientific, analytical, and managerial support to the ODDR&E in reviewing proposed and approved science and technology programs and make recommendations to optimize effectiveness of the DoD investments in science and technology. (.944)
o Provide engineering, scientific, analytical, and managerial support to the ODDR&E in oversight of the technological aspects of the Independent Research and Development and Small Business Innovative Research Programs. (.150)
o Provide technical support on science and technology aspects of programs subject to review by the Defense Acquisition Board and science and technology pertaining to maintaining a strong industrial base. (.250)
o Provide engineering, scientific, analytical, and managerial support to the ODDR&E in execution of special interest programs such as the University research programs including the University Research Initiative, the manufacturing science and technology program, and dual use and technology transition efforts. (2.250)

RDT&E BUDGET PROJECT JUSTIFICATION SHEET (R-2a Exhibit)						DATE: FEBRUARY 1999				

APPROPRIATION/BUDGET ACTIVITY:
RDT&E, Defense-Wide/Budget 0400/06

Program Element:
0605798S Defense Technology Analysis

COST (MILLIONS)	FY 98	FY 99	FY 00	FY 01	FY 02	FY 03	FY 04	FY 05	COST TO COMP	TOTAL
001 DOD Technology Analysis Office	5.644	3.990	4.170	4.281	4.319	4.400	4.514	4.593	Continuing	Continuing

FY 1999 Plans:

o Provide engineering, scientific, analytical, and managerial support to the ODDR&E in developing strategies and plans to exploit and develop technology. (.280)

o Provide engineering, scientific, analytical, and managerial support to the ODDR&E in conducting analyses, developing policies, making recommendations, and developing guidance for science and technology plans and programs. (1.164)

o Provide engineering, scientific, analytical, and managerial support to the ODDR&E in reviewing proposed and approved science and technology programs and make recommendations to optimize effectiveness of the DoD investments in science and technology. (.628)

o Provide engineering, scientific, analytical, and managerial support to the ODDR&E in oversight of the technological aspects of the Independent Research and Development and Small Business Innovative Research Programs. (.080)

o Provide engineering, scientific, analytical, and managerial support to the ODDR&E in execution of special interest programs such as the University research programs including the University Research Initiative, the manufacturing science and technology program, and dual use and technology transition efforts. (1.838)

RDT&E BUDGET PROJECT JUSTIFICATION SHEET (R-2a Exhibit)					DATE: FEBRUARY 1999					
APPROPRIATION/BUDGET ACTIVITY: RDT&E, Defense-Wide/Budget 0400/06					Program Element: 0605798S Defense Technology Analysis					
COST (MILLIONS)	FY 98	FY 99	FY 00	FY 01	FY 02	FY 03	FY 04	FY 05	COST TO COMP	TOTAL
001 DOD Technology Analysis Office	5.644	3.990	4.170	4.281	4.319	4.400	4.514	4.593	Continuing	Continuing

FY 2000 Plans:

o Provide engineering, scientific, analytical, and managerial support to the ODDR&E in developing strategies and plans to exploit and develop technology. (.295)

o Provide engineering, scientific, analytical, and managerial support to the ODDR&E in conducting analyses, developing policies, making recommendations, and developing guidance for science and technology plans and programs. (1.230)

o Provide engineering, scientific, analytical, and managerial support to the ODDR&E in reviewing proposed and approved science and technology programs and make recommendations to optimize effectiveness of the DoD investments in science and technology. (.663)

o Provide engineering, scientific, analytical, and managerial support to the ODDR&E in oversight of science and technology issues and initiatives and responding to Congressional special interests. (1.982)

FY 2001 Plans:

o Provide engineering, scientific, analytical, and managerial support to the ODDR&E in developing strategies and plans to exploit and develop technology. (.303)

o Provide engineering, scientific, analytical, and managerial support to the ODDR&E in conducting analyses, developing policies, making recommendations, and developing guidance for science and technology plans and programs. (1.262)

o Provide engineering, scientific, analytical, and managerial support to the ODDR&E in reviewing proposed and approved science and technology programs and make recommendations to optimize effectiveness of the DoD investments in science and technology. (.681)

o Provide engineering, scientific, analytical, and managerial support to the ODDR&E in oversight of science and technology issues and initiatives and responding to Congressional special interests. (2.035)

Unclassified
FY2000/001 Biennial Budget Estimates

RDT&E BUDGET PROJECT JUSTIFICATION SHEET (R-2a Exhibit)									DATE: FEBRUARY 1999	

APPROPRIATION/BUDGET ACTIVITY:
RDT&E, Defense-Wide/Budget 0400/06

Program Element:
 0605798S Defense Technology Analysis

COST (MILLIONS)	FY 98	FY 99	FY 00	FY 01	FY 02	FY 03	FY 04	FY 05	COST TO COMP	TOTAL
001 DOD Technology Analysis Office	5.644	3.990	4.170	4.281	4.319	4.400	4.514	4.593	Continuing	Continuing

B. Program Change Summary: Cost in Millions

	FY 98	FY99	FY00	FY01
President's Budget Submission	5.644	4.010	4.223	4.345
Adjustments to Appropriated Value:		-.020	-.053	-.064
Current Budget Submission:	5.644	3.990	4.170	4.281

Change Summary Explanation: FY 99 reflects -$20 thousand in undistributed congressional adjustments. FY 00 and FY 01 reflect inflation reductions.

C. **Other Program Summary Funding Summary:** N/A

D. Schedule Profile:

	FY 98 1	2	3	4	FY 99 1	2	3	4	FY 00 1	2	3	4	FY 01 1	2	3	4
Operations	.065	.032	2.138	.032	.065	.175	.045	.045	.025	.130	.025	.025	.025	.130	.025	.025
S&T Support	.000	.733	1.583	1.061	.720	1.840	1.000	.100	.785	2.170	1.000	.010	.816	2.189	1.031	.040

Unclassified

RDT&E BUDGET PROJECT JUSTIFICATION SHEET (R-2a Exhibit)	DATE: FEBRUARY 1999
APPROPRIATION/BUDGET ACTIVITY: RDT&E, Defense-Wide/Budget 0400/06	Program Element: 0605798S Defense Technology Analysis

COST (MILLIONS)	FY 98	FY 99	FY 00	FY 01	FY 02	FY 03	FY 04	FY 05	COST TO COMP	TOTAL
002 Technology Integration Continuing	0.000	0.997	0.804	0.795	0.787		0.779	0.773	0.761 Continuing	

A. **Mission Description and Budget Justification**

Technology Integration (TI) activities advance international science and technology (S&T) cooperation through the identification and implementation of specific projects of bilateral or multilateral interest. It provides the management support for U.S. participation in NATO's Research and Technology Organization (RTO) and "The Technical Cooperative Program" (TTCP). TI oversees, coordinates and reviews RTO and TTCP activities in which the U.S. has an interest including ongoing and proposed collaborative programs, technical symposia and conferences, and standard operating procedures. This Defense Reform Initiative-related effort will leverage Tri-Service S&T dollars through new and ongoing international partnerships. TI also provides selective funding support for administration, travel, conferences, and technical evaluations related to RTO activities carried out by the Services and other organizations.

RDT&E BUDGET PROJECT JUSTIFICATION SHEET (R-2a Exhibit)					DATE: FEBRUARY 1999					
APPROPRIATION/BUDGET ACTIVITY: RDT&E, Defense-Wide/Budget 0400/06					Program Element: 0605798S Defense Technology Analysis					
COST (MILLIONS)	FY 98	FY 99	FY 00	FY 01	FY 02	FY 03	FY 04	FY 05	COST TO COMP	TOTAL
002 Technology Integration	0.000	0.997	0.804	0.795	0.787	0.779	0.773	0.761	Continuing	Continuing

FY 1998 Plans: Not Applicable

FY 1999 Plans:

o Foster international bilateral and multilateral cooperative agreements in high value science & technology areas with allies, nonaligned nations and former Soviet Block nations. Then establish data exchange agreements, engineer and scientist exchange program visits, international technology assessments and new cooperative programs. (.197)

o Identify specific and mutually advantageous cooperative projects in DOD technologies to Services and potential international partners. Examples of such include but are not limited to; systems, medical and biomedical science, infectious disease research, burn and hemorrhage care, and international telemedicine technology. (.400)

o Seek opportunities for international cooperation in high priority S&T. One such example is the worldwide interest in humanitarian demining technologies and safe removal of unexploded ordinance (UXO). Conduct intradepartmental coordination to achieve goals as necessary. (.300)

o Identify Service specific Defense Technology Objective (DTO) financial shortfalls. Then seek international partners willing to share technology, human and financial resources needed to achieve mutual objectives. (.100)

RDT&E BUDGET PROJECT JUSTIFICATION SHEET (R-2a Exhibit)					DATE: FEBRUARY 1999					

APPROPRIATION/BUDGET ACTIVITY: RDT&E, Defense-Wide/Budget 0400/06					Program Element: 0605798S Defense Technology Analysis					

COST (MILLIONS)	FY 98	FY 99	FY 00	FY 01	FY 02	FY 03	FY 04	FY 05	COST TO COMP	TOTAL
002 Technology Integration	0.000	0.997	0.804	0.795	0.787	0.779	0.773	0.761	Continuing	Continuing

FY 2000 Plans:

o Foster international bilateral and multilateral cooperative agreements in high value science & technology areas with allies, nonaligned nations and former Soviet Block nations. Then establish data exchange agreements, engineer and scientist exchange program visits, international technology assessments and new cooperative programs. (.154)

o Identify specific and mutually advantageous cooperative projects in DOD technologies to Services and potential international partners. Examples of such include but are not limited to; systems, medical and biomedical science, infectious disease research, burn and hemorrhage care, and international telemedicine technology. (.350)

o Seek opportunities for international cooperation in high priority S&T. One such example is the worldwide interest in humanitarian demining technologies and safe removal of unexploded ordinance (UXO). Conduct intradepartmental coordination to achieve goals as necessary. (.200)

o Identify Service specific Defense Technology Objective (DTO) financial shortfalls. Then seek international partners willing to share technology, human and financial resources needed to achieve mutual objectives. (.100)

RDT&E BUDGET PROJECT JUSTIFICATION SHEET (R-2a Exhibit)						DATE: FEBRUARY 1999				

APPROPRIATION/BUDGET ACTIVITY:
RDT&E, Defense-Wide/Budget 0400/06

Program Element:
0605798S Defense Technology Analysis

COST (MILLIONS)	FY 98	FY 99	FY 00	FY 01	FY 02	FY 03	FY 04	FY 05	COST TO COMP	TOTAL
002 Technology Integration	0.000	0.997	0.804	0.795	0.787	0.779	0.773	0.761	Continuing	Continuing

FY 2001 Plans:

o Foster international bilateral and multilateral cooperative agreements in high value science & technology areas with allies, nonaligned nations and former Soviet Block nations. Then establish data exchange agreements, engineer and scientist exchange program visits, international technology assessments and new cooperative programs. (.150)

o Identify specific and mutually advantageous cooperative projects in DOD technologies to Services and potential international partners. Examples of such include but are not limited to; systems, medical and biomedical science, infectious disease research, burn and hemorrhage care, and international telemedicine technology. (.300)

o Seek opportunities for international cooperation in high priority S&T. One such example is the worldwide interest in humanitarian demining technologies and safe removal of unexploded ordinance (UXO). Conduct intradepartmental coordination to achieve goals as necessary. (.245)

o Identify Service specific Defense Technology Objective (DTO) financial shortfalls. Then seek international partners willing to share technology, human and financial resources needed to achieve mutual objectives. (.100)

RDT&E BUDGET PROJECT JUSTIFICATION SHEET (R-2a Exhibit)	DATE: FEBRUARY 1999
APPROPRIATION/BUDGET ACTIVITY: RDT&E, Defense-Wide/Budget 0400/06	Program Element: 0605798S Defense Technology Analysis

COST (MILLIONS)	FY 98	FY 99	FY 00	FY 01	FY 02	FY 03	FY 04	FY 05	COST TO COMP	TOTAL
002 Technology Integration	0.000	0.997	0.804	0.795	0.787	0.779	0.773	0.761	Continuing	Continuing

B. Program Change Summary

	FY 98	FY 99	FY 00	FY 01
Previous President's Budget	0.000	1.000	1.000	1.000
Adjustments to Appropriated Value		-.003	-.196	-.205
Current Submit/President's Budget	0.000	0.997	0.804	0.795

Change Summary Explanation: FY 99 reflects undistributed congressional adjustments. FYs 00 and 01 reflect below threshhold program adjustments and revised inflation estimates.

C. Other Program Funding Summary   N/A

D. Schedule Profile:

	FY 98				FY 99				FY 00				FY 01			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Operations	.000	.000	.000	.000	.020	.050	.050	.050	.020	.050	.050	.020	.020	.050	.050	.045
Support	.000	.000	.000	.000	.300	.347	.150	.030	.250	.300	.100	.014	.240	.275	.100	.015

| RDT&E BUDGET PROJECT JUSTIFICATION SHEET (R-2a Exhibit) | | | | | | | | | DATE: FEBRUARY 1999 | |

APPROPRIATION/BUDGET ACTIVITY:
RDT&E, Defense-Wide/Budget 0400/06

Program Element:
 0605798S Defense Technology Analysis

COST (MILLIONS)	FY 98	FY 99	FY 00	FY 01	FY 02	FY 03	FY 04	FY 05	COST TO COMP	TOTAL
003 CMSC	2.898	2.991	------	------	------	------	------	------	0.0	5.889

A. Mission Description and Budget Justification

FY 99 Commodity Management System Consolidation

The Commodity Management System Consolidation (CMS) and Integration team is charged with transitioning Commodity Systems to support the DoD Logistics 2010 Vision. This plan includes reducing response time, operational costs, inventory and enhances customer satisfaction. To support this, the existing commodity management systems, in use by the Defense Logistics Agency (DLA), must be migrated to a common operating environment which utilizes shared data, business rules, and global data management.

Consolidation and integration of all the commodity management systems used by the DLA is a large-scale effort. In order to manage program risk, the migration strategy must be designed to include a series of manageable successes which combine incremental development, testing and fielding manageable subsets of the databases of legacy systems. This build a little, test a little approach assists DLA in early identification of risks of technology changes, staff turnovers, and of business process changes, and will provide management information to migrate those risks effectively and with a minimum of effort. It also improves the flexibility of the overall migration effort. Structurally, project flexibility will allow DLA to reprioritize portions of the migration effort to resolve critical issues:

This program reflects a congressional adds in FYs 1998 and 1999.

B. Program Change Summary	FY 98	FY 99	FY 00	FY 01	Total Cost
Previous Presidents Budget	2.898	--------	--------	--------	2.898
Adjustments to Appropriated Value	-------	3.000	--------	--------	-------
Current Budget Submit/Presidents Budget	2.898	2.991*	--------	--------	5.889

*Reflects -$9 thousand per congressional undistributed reduction.

RDT&E BUDGET PROJECT JUSTIFICATION SHEET (R-2a Exhibit)					DATE: FEBRUARY 1999					
APPROPRIATION/BUDGET ACTIVITY: RDT&E, Defense-Wide/Budget 0400/06					Program Element: 0605798S Defense Technology Analysis					
COST (MILLIONS)	FY 98	FY 99	FY 00	FY 01	FY 02	FY 03	FY 04	FY 05	COST TO COMP	TOTAL
003 CMSC	2.898	2.991	------	------	------	------	------	------	0.0	5.889

C. Other Program Funding Summary   N/A

D. Schedule Profile

Commodity Management System Consolidation

	FY 98	FY 99	FY 00	FY 01
	1 2 3 4	1 2 3 4	1 2 3 4	1 2 3 4
Phase I - Develop MM Architecture	X			
Phase II - Interface with interactive materiel management databases	X	X X		

FY 2000-2001 BIENNIAL BUDGET REVIEW

RDT&E BUDGET ITEM JUSTIFICATION SHEET (R-2 Exhibit)	DATE: FEBRUARY 1999

APPROPRIATION/BUDGET ACTIVITY: RTD&E, Defense-Wide/Budget Activity 6	Program Element: Defense Technical Information Services/0605801S

COST (MILLIONS)	FY 98	FY 99*	FY 00	FY 01	FY 02	FY 03	FY 04	FY 05	COST TO COMP	TOTAL
TOTAL PROGRAM ELEMENT	45.413									45.413
001 Defense Technical Information Center	33.504									33.504
002 Information Analysis Centers	11.909									11.909

A. Mission Description & Budget Item Justification: The Defense Technical Information Services Program Element provides resources for the Defense Technical Information Center (DTIC) and the DoD Information Analysis Centers (IACs). DTIC's mission and function is to provide for the centralized operation of DoD Services for the acquisition, storage, retrieval, and dissemination of Scientific and Technical Information (STI), including data which is restricted, controlled and/or classified. DTIC also functions as the central activity within the DoD for exploring and applying advanced techniques and technology to DoD STI systems and for developing improvements in service and STI transfer effectiveness, and administratively manages the IAC program. The purpose of the program is to permit timely and effective exchange of information, to improve research, to avoid unnecessary duplication of effort and resources, and to improve decision making. DTIC's concept of operations is to function as the "front" door to DoD unclassified and unlimited information resources for customers internal and external to DoD; as the door to controlled information resources for internal DoD use; and as a repository and processor for STI and "one-stop" shopping. The IACs, each devoted to a particular technology area, are part of the program to share information resources in a coordinated manner and further leverage the technology base by maintaining a staff of subject experts to provide in-depth analysis and to create specialized technical information products. The maintenance of a centralized program is a cost effective and efficient means to provide access to and transfer information among DoD personnel, DoD contractors and potential contractors, and other federal agencies and their contractors. The Program Element is under Budget Activity 6, Research Category 6.5, RDT&E Management Support, that provides for the support of operations required for general research and development and not allocable to specific missions.

*As part of the Defense Reform Initiative, management control of DTIC was transferred from the Director, Defense Research and Engineering to the Director, Defense Information Systems Agency effective 30 January 1998.

FY 2000-2001 BIENNIAL BUDGET REVIEW

RDT&E BUDGET PROJECT JUSTIFICATION SHEET (R-2a Exhibit)	DATE: FEBRUARY 1999

APPROPRIATION/BUDGET ACTIVITY: RTD&E, Defense-Wide/0400/06	Program Element: Defense Technical Information Services PE 0605801S	

COST (MILLIONS)	FY 98	FY 99*	FY 00	FY 01	FY 02	FY 03	FY 04	FY 05	COST TO COMP	TOTAL
001 Defense Technical Information Center	33.504									33.504

A. Mission Description and Justification: DTIC collects or electronically connects to sources of information generated by the DoD or information relevant to its mission. DTIC's collection efforts reflect the immediate and long-term information needs of the DoD community. The primary focus is on acquiring current documentation and management summaries to support a DoD components' mission responsibility. DTIC acquires scientific, technical, engineering, management, studies and analysis, and other types of information, in any media or format, which meets the needs of the Defense community. That information is then disseminated electronically, on paper, or on other physical media, to others in DoD to help accomplish Dod-related business. DTIC's holdings include technical reports, management summaries at the work unit level, Independent Research and Development summaries, and special collections such as captured German and Japanese documents that date back to World War II. DTIC's role is to ensure that all significant or technological observations, findings, recommendations and results derived from DoD endeavors are accessible to authorized users. For the United States to maintain its readiness and competitiveness with the industrialized nations, such scientific and technical information must be readily available and easily transferable. DTIC is moving aggressively to fully exploit the benefits of electronically disseminating its internal collection as well as developing tools to access external databases, and to reach end users (scientists, engineers, R&D managers, etc.) in rapidly increasing numbers. Using the latest computer and communications technologies, we annually disseminate to our users nearly 1.3 million documents and research and development management information summaries, in addition to more than .75 million on-line interrogations of our databases. We have also developed and host over 90 web sites, providing more than 96 million accesses per year. The military, universities, managers, scientists, engineers, and contractors look to DTIC for leadership in the advancement of information access and sharing. DTIC currently serves more than 4800 organizations located in the U.S. and overseas.

*Funding was realigned to Defense Information Systems Agency (PE 0605801K)

FY 2000-2001 BIENNIAL BUDGET REVIEW

RDT&E BUDGET PROJECT JUSTIFICATION SHEET (R-2a Exhibit)	DATE: FEBRUARY 1999
APPROPRIATION/BUDGET ACTIVITY: RTD&E, Defense-Wide/0400/06	Program Element: Defense Technical Information Services PE 0605801S

COST (MILLIONS)	FY 98	FY 99*	FY 00	FY 01	FY 02	FY 03	FY 04	FY 05	COST TO COMP	TOTAL
001 Defense Technical Information Center	33.504									33.504

FY 1998 Accomplishments:
 o Funded ongoing Operations including the output of products and services, personnel, maintenance of equipment and payment for support services i.e. personnel services, building services and maintenance, legal support, etc., paid to other government agencies via Interservice Support Agreements (1 Qtr – 4 Qtr; $29.391 Million).
 o Improved Access, Dissemination and Use of Information – Began development of a Defense Virtual Library that identifies key government and commercial information resources, presenting them in a customized, integrated manner to foster collegial effort in specific DoD communities. Continued a modernization effort to plan for the replacement of the aging Defense RDT&E Online Retrieval System. Developed, tested, and integrated further operational aspects to the Electronic Document Management System. Facilitated the input and exchange of electronic documents between DTIC, its contributors, and its customers. Introduced multimedia information products that operate in multi-platform environments and are capable of real time video streaming. (2 Qtr – 3 Qtr; 1.643 Million).
 o Business Process Reengineering – Managed the Business Process Reengineering effort for the Director, Defense Research and Engineering (DDR&E)). Reengineered the DoD RDT&E In-House Activities Report Process to capture RDT&E manpower data from the Defense Manpower Data Center (DMDC). Developed the S&T Collaboration Tool Prototype to support the update of S&T Planning documents. Published the Work Unit Information System (WUIS) Feasibility Study. Developed standard data elements for the DoD Meteorology/Oceanography community (1 Qtr – 4 Qtr; $2.470 Million).

B. Program Change Summary   COST IN MILLIONS

	FY 98	FY 99	FY 00	FY 01
Previous President's Budget (FY 1999)	33.504			
Appropriated Value				
Adjustments to Appropriated Value				
Adjustment to Budget Year since FY 1999 President's Budget	33.504			
Current Budget Submission/President's Budget (FY 2000)				

FY 2000-2001 BIENNIAL BUDGET REVIEW

RDT&E BUDGET PROJECT JUSTIFICATION SHEET (R-2a Exhibit)	DATE: FEBRUARY 1999									
APPROPRIATION/BUDGET ACTIVITY: RTD&E, Defense-Wide/0400/06	Program Element: Defense Technical Information Services PE 0605801S									
COST (MILLIONS)	FY 98	FY 99*	FY 00	FY 01	FY 02	FY 03	FY 04	FY 05	COST TO COMP	TOTAL
001 Defense Technical Information Center	33.504									33.504

B. Program Change Summary (con't)

Change Summary Explanation:
This project was realigned to DISA from DLA by direction of the Defense Reform Initiative.

C. Other program Funding Summary: No related efforts.

FY 2000-2001 BIENNIAL BUDGET REVIEW

RDT&E BUDGET PROJECT JUSTIFICATION SHEET (R-2a Exhibit)	DATE: FEBRUARY 1999
APPROPRIATION/BUDGET ACTIVITY: RTD&E, Defense-Wide/0400/06	**Program Element:** Defense Technical Information Services PE 0605801S

COST (MILLIONS)	FY 98	FY 99*	FY 00	FY 01	FY 02	FY 03	FY 04	FY 05	COST TO COMP	TOTAL
002 Information Analysis Center	11.909									11.909

A. Mission Description and Justification: The IACs are contractor operated research organizations chartered by OSD to collect, analyze, synthesize and disseminate worldwide scientific and technical information in specialized fields to prevent reinventing research and to promote standardization within these fields. The IACs are staffed with subject experts to provide compilation of information, synthesize and evaluate it for relevancy to specific inquiries, supply in-dept analysis services and create specialized technical information products. IACs respond to technical inquiries, prepare state-of-the-art reports, handbooks and databooks, perform technology assessments, and support exchange of information among scientists, engineers, and practitioners of disciplines within the scope of the IAC. The DoD IAC program continues to experience significant growth in work requirements. This growth can be attributed to DoD customers recognizing that IACs can be used to synthesize existing information and provide expert technical advice resulting in better use of diminishing RDT&E and procurement resources. There are 24 DoD IACs, 8 operated within the Army (using Army personnel to perform IAC functions), 2 by the Air Force, 1 by Defense Special Weapons Agency (DSWA) and 13 funded and managed by DTIC. This project funds the basic operations described above for the DTIC managed IACs as well as the IAC Program Management Office (PMO) located at Ft. Belvoir. The program office provides management and oversight of the 13 DTIC funded IACs. The PMO also promotes DoD IAC awareness, acts as liaison between government and contractors, writes and implements policy, establishes infrastructure and maintenance, and provides operational forces technical support. Acquisition functions performed by the PMO include initiating and managing primary contracting officers' functions and contracting officers' technical representative functional oversight. DTIC and its IAC program are the central source for scientific and technical information and support for the Defense research community and war fighting commands.

*Funding was realigned to Defense Information Systems Agency (PE 0605801K)

FY 2000-2001 BIENNIAL BUDGET REVIEW

RDT&E BUDGET PROJECT JUSTIFICATION SHEET (R-2a Exhibit)	DATE: FEBRUARY 1999
APPROPRIATION/BUDGET ACTIVITY: RTD&E, Defense-Wide/0400/06	Program Element: Defense Technical Information Services PE 0605801S

COST (MILLIONS)	FY 98	FY 99*	FY 00	FY 01	FY 02	FY 03	FY 04	FY 05	COST TO COMP	TOTAL
002 Information Analysis Center	11.909									11.909

FY 1998 Accomplishments:
 o Funded personnel and operational costs for the Program Management Office. Promoted and expanded IAC awareness, hosted Information Center Symposia to bring DoD and other government agency IACs together into a common forum and promoted cooperative teaming of IAC capabilities and broadened information leveraging capabilities (1 Qtr – 4 Qtr; $1.803 Million).
 o Provided basic core operations, contracting officer technical representatives, and security office support for DTIC sponsored, contractor operated IACs (1 Qtr – 4 Qtr; $10.106 Million).Examples of accomplishments:
 o Re-engineered the IAC procurement process by:
    - Substantially reducing the procurement process cycle time from 2 yrs to 8 mos.
    - Changing contract period of performance from 5 to 10 yrs thereby reducing costly reprocurement effort
    - Required oral presentations vice written proposals resulting in reduced gov't/contractor costs, shortened technical review time and higher selection criteria.
 o Established CBIAC as the DoD central point of chemical biological scientific and technical information for DoD, other US government agencies and specific allied countries.
 o Expanded Performance Results Evaluation & Management Information System (PREMIS) to include full, secure acquisition system environment, facilitating the acquisition process, lessening cycle times and lowering reprocurement costs. Successfully completed alpha and beta testing and installed PREMIS at five IACs.
 o Successfully re-competed 2 DoD IACs (CSERIAC & DACS).
 o Established new IAC, the Information Assurance Technology Analysis Center (IATAC).
 o Ongoing realignment of IACs in order to continue support of the most significant current Defense Technology Objectives within current budget restrictions.
 o Initiated new procurement for dedicated Modeling and Simulation IAC sponsored by Defense Modeling and Simulation Office (DMSO).
 o Initiated procurement of new IAC for Weapons Systems Technology in support of Joint Vision 2010.
 o Established alliance with US SPACECOM for research, engineering and rapid prototyping of STI.
 o Established human factors engineering support through CSERIAC to the Intelligence Community Assignment Program (ICAP).
 o MOA executed with the Land Information Warfare Activity (LIWA) to establish and operate a shared INTELINK Node to serve LIWA and IATAC requirements including communications network and SCIF.
o Began electronically scanning fragile Vietnam era historical documents to capture valuable STI and establish a database.

FY 2000-2001 BIENNIAL BUDGET REVIEW

RDT&E BUDGET PROJECT JUSTIFICATION SHEET (R-2a Exhibit) DATE: FEBRUARY 1999	DATE: FEBRUARY 1999

APPROPRIATION/BUDGET ACTIVITY: RTD&E, Defense-Wide/0400/06	Program Element: Defense Technical Information Services PE 0605801S

COST (MILLIONS)	FY 98	FY 99*	FY 00	FY 01	FY 02	FY 03	FY 04	FY 05	COST TO COMP	TOTAL
002 Information Analysis Center	11.909									11.909

B. Program Change Summary

	COST IN MILLIONS			
	FY 98	FY 99	FY 00	FY 01
Previous President's Budget (FY 1999)	11.909			
Appropriated Value				
Adjustments to Appropriated Value				
Adjustment to Budget Year since FY 1999 President's Budget	11.909			
Current Budget Submission/President's Budget (FY 2000)				

Change Summary Explanation:
This project was realigned to DISA from DLA by direction of the Defense Reform Initiative.

C. Other Program Funding Summary: No related efforts.