

**DEFENSE SECURITY SERVICE**  
**Activity Group Capital Investment Summary**  
(Dollars in Millions)

Line No.	Description	FY 2001		FY 2002		FY 2003	
		Quan	Tot Cost	Quan	Tot Cost	Quan	Tot Cost
0001	<b>EQUIPMENT-Replacement</b> Equipment Other than ADPE - Misc.	1	1.932				
	<b>EQUIPMENT OTHER THAN ADPE TOTAL</b>	1	1.932				
0002	<b>AUTOMATED DATA PROCESSING (ADP)</b> Desktop/Notebook Computers	530	1.590				
	Hardware Enhancements	1	1.000				
	Items Less Than \$1 Million	1	0.818				
	Studies for Future System						
	<b>ADP TOTAL</b>	532	3.408				
0003	<b>SOFTWARE</b> Case Control Management System Information System (CCMS IS) Application Enhancements		20.268				
	Items < \$1M	2	2.500				
	Facilities Database	1	1.168				
	Software Development			1	3.000	3	11,102
	CCMS IS Sustainment Programming			1	0.230		
	CCMS IS Pre-Planned Product Improvement (P3I) Framework Architecture			1	2.786	1	1.626
	CCMS IS Rational Integration			1	0.423		
	CCMS IS CM Support			1	1.014		
	CCMS IS Testing			1	1.267		
	CCMS IS Enhancements < 1M			1	3.539		
	CCMS IS External Interfaces					1	3.172
	<b>SOFTWARE TOTAL</b>	4	23.936	7	12.259	5	15.900
0004	<b>PASSENGER VEHICLES</b> Passenger Vehicles					315	4.729
	<b>PASSENGER VEHICLE TOTAL</b>					315	4.729
	<b>DEFENSE SECURITY SERVICE TOTAL</b>		29.276		12.259		20.629

DEFENSE SECURITY SERVICE CAPITAL INVESTMENT JUSTIFICATION							A.		
SOFTWARE							FY 2003		
(Dollars in Thousands)							Budget Estimates		
B. Department of Defense DEFENSE SECURITY SERVICE		C. Line No 0003		Item Description Case Control Management System-Information System (CCMS IS) Pre-Planned Product Improvement (P3I) Framework			D. Activity ID		
Element of Cost	FY 2001			FY 2002			FY 2003		
	Quan	U/C	Tot Cost	Quan	U/C	Tot Cost	Quan	U/C	Tot Cost
Pre-Planned Product Improvement (P3I) Framework Architecture				1	2,786	2,786	1	1,626	1,626
				1	2,786	2,786	1	1,626	1,626

Narrative Justification:

**a. CAPABILITY OF EXISTING EQUIPMENT AND SHORTCOMINGS:** The DSS enterprise applications (CCMS IS, DCII, etc.) support the processing of personnel security investigations and industrial security information. The initial fielding of the applications provided limited support for processing investigations. At present, the DSS CCMS IS applications do not conform to current DoD guidance on application security and web application design. Without the P3I Framework, these applications will not achieve compliance with these requirements.

**b. ANTICIPATED BENEFITS:** The P3I Framework Architecture is the cornerstone of all the P3I planned for implementation in FY 2002 - FY 2004. It will provide a common foundation for network interfaces, application security, end user interfaces, web connectivity, etc., for all of the applications to be improved under the P3I strategy.

**c. IMPACT WITHOUT PROPOSED CAPITAL INVESTMENT:** CCMS will continue non-conformance with DOD guidance and will have no integrating common structure to support the P3I application improvements planned for FY 2002 - FY 2004.

**d. ECONOMIC ANALYSIS PERFORMED?** Yes. The proposed modifications were examined by an independent Air Force "Red Team" and by an independent contractor hired by the ASD/C3I in CY 1999. Additionally, DSS has continued those assessments in CY 2000 and CY 2001. The DODIG recently (Oct 2001) reviewed DSS progress to date, and stated " DSS is correcting and improving the CCMS and has implemented a logical plan for its future replacement. Further, as a

<b>DEFENSE SECURITY SERVICE CAPITAL INVESTMENT JUSTIFICATION</b> <b>SOFTWARE</b> (Dollars in Thousands)	A. FY 2003 Budget Estimates
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B. Department of Defense DEFENSE SECURITY SERVICE	C. Line No 0003	Item Description <b>Case Control Management System-Information System (CCMS IS)  Configuration Mgmt. Support</b>	D. Activity ID
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Element of Cost	FY 2001			FY 2002			FY 2003		
	Quan	U/C	Tot Cost	Quan	U/C	Tot Cost	Quan	U/C	Tot Cost
Configuration Mgmt Support				1	1,014	1,014			
				1	1,014	1,014			

Narrative Justification:

**a. CAPABILITY OF EXISTING EQUIPMENT AND SHORTCOMINGS:** The DSS enterprise applications (CCMS IS, DCII, etc.) support the processing of personnel security investigations and industrial security information. The initial fielding of the applications provided limited support for processing investigations. Due to the high volume of work and business process improvements, programming to implement system improvements and changes is required. During summer CY 1999, DSS was criticized by two review teams for not exercising sound Configuration Management (CM) and configuration control of the CCMS system development, integration, and implementation.

**b. ANTICIPATED BENEFITS:** During FY 2001, DSS and the Air Force Program Management Office (PMO) jointly developed a CCMS IS Configuration Management Plan upon which all CCMS CM activities will be based. In FY 2002, the PMO will complete the establishment of the Rational configuration tool suite to be fully integrated with the Rational requirements, development, and test tools, and will use this tool set to provide configuration control of CCMS IS components in all phases of development and implementation. The PMO will also establish a separate database using the same CM tools to support DSS CM of all its other non-CCMS IT systems. The goal is to establish a tool suite and sound CM practices that DSS can continue to utilize after the PMO completes it's P3I work in FY 2004.

**c. IMPACT WITHOUT PROPOSED CAPITAL INVESTMENT:** If this joint CM task is not completed, DSS will lack the knowledge and skills to continue to apply the sound configuration management processes and tools introduced to support the P3I work.

**d. ECONOMIC ANALYSIS PERFORMED?** Yes. The proposed modifications were examined by an independent Air Force "Red Team" and an independent contractor hired by the Assistant Secretary of Defense for Command, Control, Communications, and Intelligence (ASD/C3I) in CY 1999. Additionally, DSS has continued those assessments in 2000 and 2001. The DODIG recently (Oct 2001) reviewed DSS progress to date, and stated " DSS is correcting and improving the CCMS and has implemented a logical plan for its future replacement. Further, as a result of baselining the CCMS, DSS is pursuing product improvements that

<b>DEFENSE SECURITY SERVICE CAPITAL INVESTMENT JUSTIFICATION</b> <b>SOFTWARE</b> <b>(Dollars in Thousands)</b>	<b>A.</b> FY 2003 Budget Estimates
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<b>B.</b> Department of Defense DEFENSE SECURITY SERVICE	<b>C. Line No</b> 0003	<b>Item Description</b> <b>Case Control Management System-Information System (CCMS IS)</b> <b>Testing</b>	<b>D. Activity ID</b>
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Element of Cost	FY 2001			FY 2002			FY 2003		
	Quan	U/C	Tot Cost	Quan	U/C	Tot Cost	Quan	U/C	Tot Cost
Testing				1	1,267	1,267			
				1	1,267	1,267			

Narrative Justification:

**a. CAPABILITY OF EXISTING EQUIPMENT AND SHORTCOMINGS:** The DSS enterprise applications (CCMS IS, DCII, etc.) support the processing of personnel security investigations and industrial security information. The initial fielding of the applications provided limited support for processing investigations.

**b. ANTICIPATED BENEFITS:** In accordance with the Carnegie Mellon Software Capability Model (CMM) precepts, CMM Level III software developers must establish a formal unit and integration testing program that is integral to the development process. This insures that all code delivered to the government is fully tested against an established set of functional requirements prior to delivery to the government, resulting in high quality products and less test effort on the part of the government after delivery. This funding provides labor and expertise for setting up the required test environment.

**c. IMPACT WITHOUT PROPOSED CAPITAL INVESTMENT:** If this test environment is not established, lower quality software delivered and longer test, fix, and regression testing cycles will result, which will delay implementation of much needed system improvements.

**d. ECONOMIC ANALYSIS PERFORMED?** Yes. The proposed modifications were examined by an independent Air Force "Red Team" and an independent contractor hired by the ASD/C3I in 1999. Additionally, DSS has continued those assessments in 2000 and 2001. The DODIG recently (Oct 2001) reviewed DSS progress to date, and stated " DSS is correcting and improving the CCMS and have implemented a logical plan for its future replacement. Further, as a result of baselining the CCMS, DSS is pursuing product improvements that will change the capabilities of the System and extend its useful life."

DEFENSE SECURITY SERVICE CAPITAL INVESTMENT JUSTIFICATION SOFTWARE (Dollars in Thousands)							A. FY 2003 Budget Estimates		
B. Department of Defense DEFENSE SECURITY SERVICE		C. Line No 0003		Item Description Case Control Management System-Information System (CCMS IS) Application Enhancements			D. Activity ID		
Element of Cost	FY 2001			FY 2002			FY 2003		
	Quan	U/C	Tot Cost	Quan	U/C	Tot Cost	Quan	U/C	Tot Cost
Other Enhancement Items				1	3,539	3,539			
				1	3,539	3,539			

Narrative Justification:

**a. CAPABILITY OF EXISTING EQUIPMENT AND SHORTCOMINGS:** The DSS enterprise applications (CCMS IS, DCII, etc.) support the processing of personnel security investigations and industrial security information. The initial fielding of the applications provided limited support for processing investigations.

**b. ANTICIPATED BENEFITS:** Provides an improved Facilities Database application to support the Industrial Security functions within DSS. Also includes new and improved interfaces with the Joint Personnel Adjudication System (JPAS), as mandated by Command, Control, Communications, and Intelligence (C3I).

**c. IMPACT WITHOUT PROPOSED CAPITAL INVESTMENT:** Without the JPAS interfaces planned for FY 2002, JPAS may not be able to meet the Initial Operating Capability (IOC) date projected in early CY 2002. Without the improvements to the Facilities Database, DSS will find it difficult to meet production goals set for Industrial Security.

**d. ECONOMIC ANALYSIS PERFORMED?** Yes. The proposed modifications were examined by an independent Air Force "Red Team" and an independent contractor hired by the ASD/C3I in 1999. Additionally, DSS has continued those assessments in 2000 and 2001. The DODIG recently (Oct 2001) reviewed DSS progress to date, and stated " DSS is...correcting and improving the CCMS and has implemented a logical plan for its future replacement. Further, as a result of baselining the CCMS, DSS is pursuing product improvements that will change the capabilities of the System and extend its useful life."

DEFENSE SECURITY SERVICE CAPITAL INVESTMENT JUSTIFICATION							A.		
SOFTWARE							FY 2003		
(Dollars in Thousands)							Budget Estimates		
B. Department of Defense DEFENSE SECURITY SERVICE		C. Line No	Item Description				D. Activity ID		
		0003	Case Case Management System-Information System (CCMS IS) External Interfaces						
Element of Cost	FY 2001			FY 2002			FY 2003		
	Quan	U/C	Tot Cost	Quan	U/C	Tot Cost	Quan	U/C	Tot Cost
Upgrade External Interfaces							1	3,172	3,172
							1	3,172	3,172

Narrative Justification:

**a. CAPABILITY OF EXISTING EQUIPMENT AND SHORTCOMINGS:** The DSS enterprise applications (CCMS IS, Defense Clearance and Investigations Index (DCII), etc.) support the processing of personnel security investigations and industrial security information. The initial fielding of the applications provided limited support for processing investigations. Due to the high volume of work and business process improvements, routine sustainment programming to implement system improvements and changes is required. In the area of external interfaces, most are classified as "send and forget," with no reliable feedback that data was accurately transmitted and imported by the receiving system. This is a major contributor to CCMS data integrity problems.

**b. ANTICIPATED BENEFITS:** Most of the CCMS IS external interfaces are based on old data transmission technology (i.e., File Transfer Protocol (FTP), "sneakernet," FEDEX deliveries of tapes, etc.). The goal is to modernize as many interfaces as possible in order to make data exchanges more timely, secure, and reliable via system to system data transfer.

**c. IMPACT WITHOUT PROPOSED CAPITAL INVESTMENT:** CCMS IS will continue to experience less than optimal data export transmissions to receiving agencies (FBI, CIA, etc.) and similar problems with data coming in from these agencies. This has a negative impact on DSS productivity due to redirection of effort to validate data accuracy as it is exported from and imported into the CCMS IS.

**d. ECONOMIC ANALYSIS PERFORMED?** Yes. The proposed modifications were examined by an independent Air Force "Red Team" and an independent contractor hired by the Assistant Secretary of Defense for Command, Control, Communications, and Intelligence (ASD/C3I) in 1999. Additionally, DSS has continued those assessments in 2000 and 2001. The DODIG recently (Oct 2001) reviewed DSS progress to date, and stated " DSS is correcting and improving the CCMS and have implemented a logical plan for its future replacement. Further, as a result of baselining the CCMS, DSS is pursuing product improvements that

DEFENSE SECURITY SERVICE CAPITAL INVESTMENT JUSTIFICATION						A.			
Hardware/Software (Dollars in Thousands)						FY 2003 Budget Estimates			
B. Department of Defense DEFENSE SECURITY SERVICE		C. Line No Item Description Case Control Management System-Information System (CCMS IS) Software Development				D. Activity ID			
Element of Cost	FY 2001			FY 2002			FY 2003		
	Quan	U/C	Tot Cost	Quan	U/C	Tot Cost	Quan	U/C	Tot Cost
DCII (Web-based)							1	3,965	3,965
National Industrial Security System (NISS) (BEGIN DEVELOPMENT)							1	5,551	5,551
EPSQ (WEB-based; Final Phase)							1	1,586	1,586
<b>TOTAL</b>							3		11,102

**a. CAPABILITY OF EXISTING EQUIPMENT AND SHORTCOMINGS: DCII:** The DCII web-based system will be developed in FY 2003. The original system is a client server application that was built on 1980's technology. The current client-server environment does not allow for a simple upgrade because of the widely distributed population that requires synchronizing distribution and installation of software. Additionally, there are a number of data integrity issues with the current system. This is a result of many years of non-standardized maintenance and lack of integration amongst the other applications within the CCMS IS.

**National Industrial Security System (NISS):** The Industrial Security Program (ISP) is currently made up of mini databases located in various elements within the DoD. With the information widely disbursed and not integrated, informed decisions are difficult without extensive manpower and coordination efforts.

**EPSQ:** The EPSQ web-based system will be completed in FY 2003. The current system is a 16-bit, DOS-based, stand-alone application. Additionally, some operating systems (i.e., Windows XP, Windows ME) are incompatible with this application. The user community of over one million have described the EPSQ as "not user-friendly and time consuming."

**b. ANTICIPATED BENEFITS: DCII:** The new system will provide the DoD customer with a user-friendly web technology, allowing them to run reports and queries from their desktops. This web-based system also eliminates a need to distribute the software, and streamlines the implementation process.

**NISS:** The NISS will encompass all these separate stovepiped applications into one system that will ensure the rapid and comprehensive exchange of information across the DoD--with regard to Industrial Security.

**EPSQ:** The new system will ensure a user-friendly application allowing a speedy unencumbered completion of their questionnaire. This web-based application will also eliminated the need to distribute the software by streamlining the implementation process.

**c. ECONOMIC ANALYSIS PERFORMED?** No. All proposed items have been examined to determine their

DEFENSE SECURITY SERVICE CAPITAL INVESTMENT JUSTIFICATION AUTOMATED DATA PROCESSING (Dollars in Thousands)							A. FY 2003 Budget Estimates		
B. Department of Defense DEFENSE SECURITY SERVICE		C. Line No		Item Description			D. Activity ID		
		0004		Software Development					
Element of Cost	FY 2001			FY 2002			FY 2003		
	Quan	U/C	Tot Cst	Quan	U/C	Tot Cst	Quan	U/C	Tot Cst
Financial System				1	3,000	3,000			
<b>TOTAL</b>				1		3,000			
Narrative Justification:									
<p><b>a. CAPABILITY OF EXISTING EQUIPMENT AND SHORTCOMINGS:</b> DSS currently utilizes multiple systems and manual processes to meet its financial management obligations. These systems are primarily batch process-driven, requiring extensive and costly changes to achieve compliance with all applicable DoD Federal Financial Management Requirements (FFMRs) and current technical standards. Significant deficiencies in these systems prevent DSS from efficiently and effectively meeting its mission and supporting its customers. More importantly, these systems do not provide useful, timely, and accurate data needed to effectively manage the DSS program areas.</p> <p><b>b. ANTICIPATED BENEFITS:</b> The new system will comply with the FFMRs, federal accounting standards, and the Standard General Ledger at the transaction level. The Financial Management System (FMS) addresses the need for an integrated management information system to support the financial management of DSS's Defense Working Capital Fund and General Fund. Functional areas include, but are not limited to, budget formulation, budget execution, manpower, cost accounting, time &amp; attendance, general accounting, and Treasury and Chief Financial Officer (CFO) reporting.</p> <p><b>c. IMPACT WITHOUT PROPOSED CAPITAL INVESTMENT:</b> DSS will not be able to correctly identify costs. There will be no link between CCMS and the accounting system, which is required for DSS to track workload and cost on a Fee-for-Service basis.</p> <p><b>d. ECONOMIC ANALYSIS PERFORMED?</b> No. All proposed items have been examined to determine their</p>									



Fiscal Year (FY) 2003  
Budget Estimates  
February 2002  
Fund 9D Capital Budget Execution

Dollars in Thousands

<u>FY</u>	<u>Approved Project Title</u>	<u>Reprogs</u>	<u>Approved Proj Cost</u>	<u>Current Proj Cost</u>	<u>Asset/ Deficiency</u>	<u>Explanation</u>
<b>PROJECTS ON THE FY 2001 President's Budget</b>						
<b><u>AUTOMATED DATA PROCESSING</u></b>						
FY 2001	Desktop/Notebook Computers	(1,500.000)				Reprogrammed to Operations
FY 2001	Hardware Enhancements		1,000.000	1,000.000		No change since PB
FY 2001	Intranet Systems Rebuild	(232.000)				Reprogrammed to Operations
FY 2002	Hardware Enhancements		2,000.000	2,000.000		No changes since PB
FY 2003	Hardware Enhancements		3,400.000	3,400.000		No changes since PB
<b><u>SOFTWARE</u></b>						
FY 2001	Enterprise Application Enhancements		20,268.000	20,268.000		No change since PB
FY 2001	Application Interfaces		900.000	900.000		No change since PB
FY 2001	System Remediation/Enhancement		500.000	500.000		No change since PB
FY 2001	MS Windows NT Replacement	(110.000)				Reprogrammed \$110k to Operations
FY 2002	Enterprise Application Enhancements		3,100.000	3,100.000		No change since PB
FY 2002	Application Interfaces		900.000	900.000		No change since PB
FY 2003	Enterprise Application Enhancements		4,400.000	4,400.000		No change since PB
FY 2003	Application Interfaces		900.000	900.000		No change since PB

Fiscal Year (FY) 2003  
Budget Estimates  
February 2002  
Fund 9D Capital Budget Execution

Dollars in Thousands

PROJECTS ON THE FY 2002 President's Budget

<u>FY</u>	<u>Approved Project Title</u>	<u>Reprogs</u>	<u>Approved Proj Cost</u>	<u>Current Proj Cost</u>	<u>Asset/ Deficiency</u>	<u>Explanation</u>
<b><u>AUTOMATED DATA PROCESSING</u></b>						
FY 2001	Desktop/Notebook Computers					
FY 2001	Hardware Enhancements		1,000.000	1,000.000		No change since PB
FY 2001	Intranet Systems Rebuild					
FY 2001	Digitized Filing System	1,932.000	1,932.000	1,728.380	203.620	Automate the filing system
FY 2001	Non-interruptible power source	160.000	160.000	160.000		Needed to support the new agency building at Ft. Meaded
FY 2001	Generator	220.000	220.000	220.000		Needed to support the new agency building at Ft. Meaded
FY 2001	Telephone Switch	220.000	220.000	220.000		Needed to support to major operations relocations
FY 2002	Hardware Enhancements	7,200.000	9,200.000			Requirement based on direction of CCMS IS
FY 2003	Hardware Enhancements		3,400.000			No changes
<b><u>SOFTWARE</u></b>						
FY 2001	Enterprise Application Enhancements		20,268.000	20,268.000		No changes
FY 2001	Application Interfaces		900.000	900.000		No changes
FY 2001	System Remediation/Enhancement		500.000	500.000		No changes
FY 2001	MS Windows NT Replacement					
FY 2001	Facilities Database	1,168.000	1,168.000			Requirement based on goals of CCMS IS
FY 2001	Workflow Replacement	0.700	0.700			Requirement based on goals of CCMS IS
FY 2001	JPAS Interface	0.400	0.400			Requirement based on goals of CCMS IS
FY 2002	Enterprise Application Enhancements		3,100.000	3,100.000		No changes
FY 2002	Application Interfaces		900.000	900.000		No changes
FY 2003	Enterprise Application Enhancements		4,400.000	4,400.000		No changes
FY 2003	Application Interfaces		900.000	900.000		No changes

Fiscal Year (FY) 2003  
Budget Estimates  
February 2002  
Fund 9D Capital Budget Execution

Dollars in Thousands

PROJECTS ON THE FY 2003 President's Budget

<u>FY</u>	<u>Approved Project Title</u>	<u>Reprogs</u>	<u>Approved Proj Cost</u>	<u>Current Proj Cost</u>	<u>Asset/Deficiency</u>	<u>Explanation</u>
<b><u>AUTOMATED DATA PROCESSING</u></b>						
FY 2001	Desktop/Notebook Computers					
FY 2001	Hardware Enhancements		1,000.000	1,000.000		No change since PB
FY 2001	Intranet Systems Rebuild					
FY 2001	Digitized Filing System	1,932.000	1,932.000	1,758.380	173.620	
FY 2001	Non-interruptible power source	160.000	160.000	160.000		Needed to support the new agency building at Ft. Meade
FY 2001	Generator	220.000	220.000	220.000		Needed to support the new agency building at Ft. Meade
FY 2001	Telephone Switch	220.000	220.000	215.000		5.000 Needed to support to major operations relocations
FY 2002	Hardware Enhancements	(9,200.000)	9,200.000	(9,200.000)	(9,200.000)	Requirement changed. OSD approved enhancements to current system vice future system. Funding will now be used for application's enhancements.
FY 2003	Hardware Enhancements	(3,400.000)	3,400.000		3,400.000	Use for CCMS SW Development
<b><u>SOFTWARE</u></b>						
FY 2001	Enterprise Application Enhancements		20,268.000	20,268.000		No changes
FY 2001	Application Interfaces		900.000	900.000		No changes
FY 2001	System Remediation/Enhancement		500.000	500.000		No changes
FY 2001	MS Windows NT Replacement					
FY 2001	Facilities Database	1,168.000	1,168.000	1,168.000		Requirement based on goals of CCMS IS
FY 2001	Workflow Replacement	0.700	0.700	0.700		Requirement based on goals of CCMS IS
FY 2001	JPAS Interface	0.400	0.400	0.400		Requirement based on goals of CCMS IS
FY 2002	Enterprise Application Enhancements	(3,059.000)	3,059.000	(3,059.000)		Realign 3,000 funding to CCMS IS SW DEV, remaining 59 to SW Enhancements
FY 2002	Application Interfaces	(900.000)	900.000	(900.000)		Return to OSD Comptroller
FY 2002	CCMS IS Application Enhancements Softwa	9,259.000	9,259.000			CCMS IS SW Application Enhancements
FY 2002	SW Development	3,000.000	3,000.000			FINANCIAL System
FY 2003	Enterprise Application Enhancements	(4,400.000)	4,400.000	(4,400.000)		Use for CCMS IS SW Development
FY 2003	Application Interfaces	(900.000)	900.000	(900.000)		Use for CCMS IS SW Development
FY 2003	CCMS IS SW Development (DCII, EPSQ, NISS)	11,102.000	11,102.000			Funding to continue the OSD approved direction of the CCMS IS
FY 2003	CCMS P3I FRAMEWORK ARCH	1.626	1,626.000			Funding to continue the OSD approved direction of the CCMS IS
FY 2003	CCMS IS External Interfaces	3.172	3,172.000			Funding to continue the OSD approved direction of the CCMS IS
<b><u>Vehicles</u></b>						
FY 2003	Purchase of 315 Vehicles		4,729.000	4,729.000		Funding required to purchase vehicles required to perform mission.