

CBDP BUDGET ITEM JUSTIFICATION SHEET (R-2 Exhibit)	DATE June 2001
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BUDGET ACTIVITY RDT&E DEFENSE-WIDE/ BA6 - Management Support	
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COST (In Thousands)	FY 2000 Actual	FY 2001 Estimate	FY 2002 Estimate						
Total Budget Activity (BA) Cost	31725	23686	31276						
0605384BP CHEMICAL/BIOLOGICAL DEFENSE (MANAGEMENT SUPPORT)	25787	23686	31276						
0605502BP SMALL BUSINESS INNOVATIVE RESEARCH (SBIR)	5938	0	0						

A. Mission Description and Budget Activity Justification: This program element provides research, development, testing and evaluation management support to the Department of Defense NBC defense program.

This effort includes support to Department of Defense (DoD) response to Chemical/Biological (CB) terrorism, funds joint doctrine and training support, funds sustainment of a technical test capability at Dugway Proving Ground, and financial/program management and support program. Additionally, this program element funds the Joint Point Test program (049), which provides a response to Commander in Chief (CINCs) and Service issues for fielded capability.

Anti-terrorism funding provides DoD with a process and means to conduct assessments of installation vulnerabilities to Chemical/Biological threats.

Joint Training and Doctrine Support funds development of Joint Doctrine and Tactics, Techniques, and Procedures for developing Chemical Biological defense systems. The Training and Doctrine efforts also fund chemical and biological modeling and simulation to support the warfighter.

Dugway Proving Ground, a Major Range and Test Facility Base (MRTFB), funding provides for Chemical Biological Defense testing of DoD material, equipment and systems from concept through production. It finances indirect test operating costs not billable to test customers, including indirect civilian and contractor labor; repair and maintenance of test instrumentation, equipment, and facilities; and replacement of test equipment.

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BUDGET ACTIVITY

**RDT&E DEFENSE-WIDE/
BA6 - Management Support**

The management support program provides management support for the Department of Defense (DoD) Nuclear, Biological and Chemical (NBC) defense program to allow program overview and integration of overall medical and non-medical programs by the Director, Defense Research and Engineering (DDR&E), through the Office of the Secretary of Defense (OSD) office of Deputy Assistant to the Secretary of Defense for Chemical/Biological Defense (DATSD (CBD)), execution management by the Defense Threat Reduction Agency (DTRA), integration of Joint requirements, management of training and doctrine by the Joint Service Integration Group (JSIG), Joint Research, Development and Acquisition (RDA) planning, input to annual report to Congress and Program Objective Memorandum (POM) Strategy development by the Joint Service Materiel Group (JSMG), review of the JSIG and JSMG joint plans and the consolidated NBC Defense POM Strategy by the Joint NBC Defense Board (JNBCDB) Secretariat.

The Joint Point Test program (O49) provides funds to plan, conduct, evaluate, and report on joint tests (for other than developmental hardware) and accomplish operational research assessments in response to requirements received from the Services and the Commanders in Chief (CINCs) for already fielded equipment and systems.

Note: In November 1997, DoD published the Defense Reform Initiative (DRI), which directed the elimination of the Assistant to the Secretary of Defense for Nuclear and Chemical and Biological Defense Programs (ASTD (NCB)) and the creation of a new defense agency, DTRA. As a result of the DRI, the OSD oversight functions for the CB Defense Program were transferred to the office of the DATSD (CBD) under the DDR&E, while DoD execution management of the program was transferred to DTRA. Effective FY99, the financial management responsibilities for the Chemical/Biological (CB) Defense Program were transferred from the Ballistic Missile Defense Organization (BMDO) to DTRA.

This Budget Activity also funds the Small Business Innovative Research (SBIR) and the Small Business Technology Transfer (STTR) program. The overall objective of the Chemical/Biological Defense (CBD) SBIR program is to improve the transition or transfer of innovative CBD technologies between Department of Defense (DoD) components and the private sector for mutual benefit. The CBD program includes those technology efforts that maximize a strong defensive posture in a biological or chemical environment using passive and active means as deterrents. These technologies include chemical and biological detection; information assessment, which includes identification, modeling, and intelligence; contamination avoidance; and protection of both individual soldiers and equipment.

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BUDGET ACTIVITY
**RDT&E DEFENSE-WIDE/
 BA6 - Management Support**

0605384BP CHEMICAL/BIOLOGICAL DEFENSE (MANAGEMENT SUPPORT)

COST (In Thousands)	FY 2000 Actual	FY 2001 Estimate	FY 2002 Estimate							
Total Program Element (PE) Cost	25787	23686	31276							
AT6 ANTI-TERRORISM	457	454	460							
DT6 JOINT DOCTRINE AND TRAINING SUPPORT	3240	3202	3301							
DW6 DUGWAY PROVING GROUND	9767	10027	15424							
MS6 MANAGEMENT SUPPORT	10783	8486	9083							
O49 JOINT POINT TEST	1540	1517	3008							

A. Mission Description and Budget Item Justification: This program element provides research, development, testing and evaluation management support to the Department of Defense NBC defense program.

This effort includes support to Department of Defense (DoD) response to Chemical/Biological (CB) terrorism, funds joint doctrine and training support, funds sustainment of a technical test capability at Dugway Proving Ground, and financial/program management and support program. Additionally, this program element funds the Joint Point Test program (049), which provides a response to Commander in Chief (CINCs) and Service issues with currently fielded equipment.

Anti-terrorism funding provides DoD with a process and means to conduct assessments of installation vulnerabilities to Chemical/Biological threats.

Joint Training and Doctrine Support funds development of Joint Doctrine and Tactics, Techniques, and Procedures for developing Chemical Biological defense systems. The Training and Doctrine efforts also fund chemical and biological modeling and simulation to support the warfighter.

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BUDGET ACTIVITY

**RDT&E DEFENSE-WIDE/
BA6 - Management Support**

**0605384BP CHEMICAL/BIOLOGICAL DEFENSE (MANAGEMENT
SUPPORT)**

Dugway Proving Ground, a Major Range and Test Facility Base (MRTFB), funding provides for Chemical Biological Defense testing of DoD material, equipment and systems from concept through production. It finances indirect test operating costs not billable to test customers, including indirect civilian and contractor labor; repair and maintenance of test instrumentation, equipment, and facilities; and replacement of test equipment.

The management support program provides management support for the (DoD) Nuclear, Biological and Chemical (NBC) defense program to allow program overview and integration of overall medical and non-medical programs by the Director, Defense Research and Engineering (DDR&E), through the Office of the Secretary of Defense (OSD) office of Deputy Assistant to the Secretary of Defense for Chemical/Biological Defense (DATSD (CBD)), execution management by the Defense Threat Reduction Agency (DTRA), integration of Joint requirements, management of training and doctrine by the Joint Service Integration Group (JSIG), Joint Research, Development and Acquisition (RDA) planning, input to annual report to Congress and Program Objective Memorandum (POM) Strategy development by the Joint Service Materiel Group (JSMG), review of the JSIG and JSM G joint plans and the consolidated NBC Defense POM Strategy by the Joint NBC Defense Board (JNBCDB) Secretariat.

The Joint Point Test program (O49) provides funds to plan, conduct, evaluate, and report on joint tests (for other than developmental hardware) and accomplish operational research assessments in response to requirements received from the Services and the Commanders in Chief (CINCs) for already fielded equipment and systems.

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RDT&E DEFENSE-WIDE/
BA6 - Management Support

0605384BP CHEMICAL/BIOLOGICAL DEFENSE (MANAGEMENT SUPPORT)

B. Program Change Summary:	<u>FY 2000</u>	<u>FY 2001</u>	<u>FY 2002</u>	
FY 2001 President's Budget	24553	23907	24515	
Appropriated Value	24043	23907	0	
Adjustment to Appropriated Value	0	0	0	
a. Congressional General Reductions	0	-168	0	
b. SBIR/STTR	-356	0	0	
c. Omnibus or Other Above Threshold Reductions	-50	0	0	
d. Below Threshold Reprogramming	2218	0	0	
e. Rescissions	-68	-53	0	
Adjustments to Budget Years Since FY 2001 PB	0	0	6761	
FY2002/2003 President's Budget	25787	23686	31276	

Change Summary Explanation:

Funding:

FY02 - Enhancements to Dugway Proving Ground for testing modernization (DW6 \$4,951K); enhancements to Joint and CINC user testing (O49, \$1,320K); increases to JSMG Management for additional mission (MS6 \$338K); for higher priority efforts (-\$30K). Increase for inflation assumptions (\$182K).

Schedule:

Technical:

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BUDGET ACTIVITY RDT&E DEFENSE-WIDE/ BA6 - Management Support	0605384BP CHEMICAL/BIOLOGICAL DEFENSE (MANAGEMENT SUPPORT)	PROJECT AT6
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COST (In Thousands)	FY 2000 Actual	FY 2001 Estimate	FY 2002 Estimate						
AT6 ANTI-TERRORISM	457	454	460						

A. Mission Description and Budget Item Justification:

Project AT6 ANTI-TERRORISM: The growing threat of the use of chemical/biological (CB) agents in acts of terrorism places DoD installations and personnel at a higher risk. With that in mind, this budget item provides DoD with the means to address the threat of CB terrorism to DoD installations and personnel. It attempts to address the requirements identified in PDD 39 and PDD 62. Funding was originally added in response to DoD Directive 2000.12, "DoD Combating Terrorism Program," dated September 15, 1996 (updated April 13, 1999) and the Downing Task Force Report, "Global Interests/Global Responsibilities," dated September 16, 1996. Funding provides for the development of combating CB terrorism planning, training, and exercise technologies; and the sustainment of those technologies in the out years, as appropriate. Sponsors of projects funded under this budget item would include DTRA, J-34, ASD (SO/LIC), SBCCOM, USA CMLS, the Technical Support Working Group, and other organizations involved with combating CB terrorism.

FY 2000 Accomplishments:

- 160 Sustained anti-terrorism training base.
- 152 Planned and assessed a table top exercise and developed a new scenario exercise.
- 145 Prepared an annual update to the Weapons of Mass Destruction (WMD) CD-ROM training program.

Total 457

FY 2001 Planned Program:

- 259 Develop and Conduct WMD Installation Emergency Responder, Pilot Training Course.

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BUDGET ACTIVITY
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**0605384BP CHEMICAL/BIOLOGICAL DEFENSE
(MANAGEMENT SUPPORT)**

PROJECT
AT6

FY 2001 Planned Program (Cont):

- 187 Conduct Front End Analysis of Consequence Management RDA requirements.
- 8 SBIR

Total 454

FY 2002 Planned Program:

- 460 Sustain combating CB terrorism technology development.

Total 460

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BUDGET ACTIVITY
**RDT&E DEFENSE-WIDE/
 BA6 - Management Support**

**0605384BP CHEMICAL/BIOLOGICAL DEFENSE
 (MANAGEMENT SUPPORT)**

PROJECT
AT6

B. <u>Other Program Funding Summary:</u>	<u>FY 2000</u>	<u>FY 2001</u>	<u>FY 2002</u>							
DT6 JOINT DOCTRINE AND TRAINING SUPPORT	3240	3202	3301							
DW6 DUGWAY PROVING GROUND	9767	10027	15424							
MS6 MANAGEMENT SUPPORT	10783	8486	9083							
O49 JOINT POINT TEST	1540	1517	3008							
SB6 SMALL BUSINESS INNOVATIVE RESEARCH (SBIR)	5938	0	0							

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BUDGET ACTIVITY RDT&E DEFENSE-WIDE/ BA6 - Management Support	0605384BP CHEMICAL/BIOLOGICAL DEFENSE (MANAGEMENT SUPPORT)	PROJECT DT6
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COST (In Thousands)	FY 2000 Actual	FY 2001 Estimate	FY 2002 Estimate						
DT6 JOINT DOCTRINE AND TRAINING SUPPORT	3240	3202	3301						

A. Mission Description and Budget Item Justification:

Project DT6 JOINT DOCTRINE AND TRAINING SUPPORT: The activities of this project directly support the Joint Service Chemical/Biological (CB) Defense Program in particular the Joint Service Integration Group (JSIG), Doctrine and Training (DT), and Modeling, Simulation, and Analysis (MSA). This effort funds (1) preparation of medical and non-medical Joint Doctrine and Tactics, Techniques, and Procedures (TTP) for developing CB Defense Systems; (2) development of joint medical, non-medical and MSA requirements; (3) the US Army Chemical School (USACMLS) Joint Senior Leaders' Course (JSLC); (4) assistance in correcting training and doctrine deficiencies covered in General Accounting Office (GAO) Reports; (5) contract support to create a database of current and planned NBC Defense studies, analysis, models and simulations, training, exercises, and wargames; to determine overlaps, duplication, and shortfalls; and to build and execute programs to correct shortfalls in all aspects of NBC Defense.

UNCLASSIFIED

CBDP BUDGET ITEM JUSTIFICATION SHEET (R-2A Exhibit)		DATE June 2001
BUDGET ACTIVITY RDT&E DEFENSE-WIDE/ BA6 - Management Support		PROJECT DT6
		0605384BP CHEMICAL/BIOLOGICAL DEFENSE (MANAGEMENT SUPPORT)
FY 2000 Accomplishments:		
<ul style="list-style-type: none"> • 1623 JSIG DT - Supported development of medical, non-medical and special operations Multi-Service core NBC doctrine; (1) FM 3-11.3 Contamination Avoidance; (2) FM 3-11.21 NBC Aspects of Consequence Management; (3) FM 3-11 NBC Operations; FM 3-11.34 Multi-service Tactics, Techniques, and Procedures (MTTP) for NBC Defense of Fixed Sites, Ports, and Airfields; (4) FM 31-18 - MTTP for Special Operations Forces (SOF) Nuclear, Biological, and Chemical (NBC) Defense Operations; (5) FM 8-283 Treatment of Nuclear Warfare Casualties and Low Level Radiation Exposures. Drafted/reviewed joint requirement documents; (1) Joint Warning and Reporting Network Milestone (MS) III; (2) Joint Service Light NBC Reconnaissance System MSIII; (3) Joint Chemical Agent Detector MS III; (4) Joint Biological Point Detection System (Block I) MS III; (5) Joint Biological Standoff Detection System MS I; (6) Biological Capstone Requirements Document (Draft); (7) Joint Modular Chemical, Biological Detector (Draft); (8) Joint Service Lightweight Suit Technology (Change 2) MS III; (9) Joint Chemical Environment Survivability Mask MS I; (10) Joint Transportable Collective Protection System MS I; (11) Joint Service Fixed Site Decontamination MSII; (12) Joint Biological Agent Identification and Diagnostic System (Draft). Initiated assessment of Smallpox vaccine stockpile requirements. Initiated Chemical Contamination Avoidance Mission Area Analysis. Initiated implementation of recommendations provided in the NBC Defense Doctrine and Training Assessment. Provided Service support to implement training review and enhancement initiatives. • 422 JSIG DT - Initiated NBC system requirements analysis; (1) Joint Service Lightweight NBC Reconnaissance System; (2) Joint Warning & Reporting Network; (3) Joint Service Sensitive Equipment Decontamination; (4) Joint Chemical/Biological Agent Water Monitor. • 50 JSIG DT - Supported additional joint participation in the Joint Senior Leader's Course (JSLC). • 1145 JSIG MODSIM - Supported the Services modeling and simulation (M&S) and analysis requirements by establishing the Modeling and Simulation Requirements Panel (MSRP). The MSRP initiated development of the M&S Joint Future Operational Capabilities (JFOC), Draft Master Plan, Draft MNS and ORD/CRD, M&S Common Data Model (CDM). 		
Total	3240	
Project DT6		

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**RDT&E DEFENSE-WIDE/
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(MANAGEMENT SUPPORT)**

PROJECT
DT6

FY 2001 Planned Program:

- 1513 JSIG DT - Continue to support the development of medical, non-medical and special operations Multi-Service core NBC doctrine; (1) FM 3-11.4 NBC Protection Multi-service Tactics, Techniques, and Procedures (MTTP); (2) FM 3-11.9 Technical Aspects of Chemical and Biological Warfare Agents; FM 8-285 Treatment of Chemical Agent Casualties and Conventional Military Chemical Injuries. Draft/review joint requirements documents; (1) Joint Biological Standoff Detection System Milestone (MS) II; (2) Joint Service Air Crew Mask MS II; (3) Joint Service General Purpose Mask MS II; (4) Joint Service Mask Leakage Tester MS II; (5) Joint Transportable Collective Protection System MS II; (6) Safeguard (Draft); (7) Joint Biological Tactical Detection System (Draft); (8) Joint Grounds Effects Model (Draft); (9) Joint Multi-mission Advanced NBC Sensor (Draft); (10) ARTEMIS (Draft); (11) Joint Biological Agent Identification and Diagnostic System MS I; (12) Smallpox MS II; (13) Plague Tularemia (Draft); (14) Joint Medical NBC Decision Support Tool (Draft); (15) Next Generation Anthrax (Draft). Complete assessment of smallpox vaccine stockpile. Initiate assessment of Plague and Anthrax stockpile requirements. Conduct medical risk assessment. Complete Chemical Contamination Avoidance Mission Area Analysis. Initiate Battle Management and Biological Contamination Avoidance Mission Area Analysis. Continue implementation of recommendations provided in the NBC Defense Doctrine and Training Assessment. Provide Service support to implement training review and enhancement initiatives.
- 450 JSIG DT - Continue NBC system requirements analysis; (1) Joint Chemical Agent Detector; (2) Joint Biological Standoff Detection System; (3) Joint Service Fixed Site Decontamination System; (4) Joint Service Lightweight Standoff Chemical Agent Detector.
- 50 JSIG DT - Continue to support additional joint participation in the JSLC.

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BUDGET ACTIVITY RDT&E DEFENSE-WIDE/ BA6 - Management Support		PROJECT DT6
		0605384BP CHEMICAL/BIOLOGICAL DEFENSE (MANAGEMENT SUPPORT)
FY 2001 Planned Program (Cont):		
•	1135	JSIG MODSIM - Continue to support Services M&S requirements through development of requirements documentation and the integration of M&S data model requirements. Finalize and publish M&S Master Plan, MNS, ORD/CRD. Initiate requirements validation through joint experiments and exercise/war games participation. Develop CDM framework, methodology, and quality assurance criteria to standardize CBD data used for joint acquisition, training, and mission planning and rehearsal, using modeling and simulation. Begin development of Common Model Mission Space (CMMS) to characterize the effects and behaviors on operations and personnel.
•	54	SBIR
Total	3202	
FY 2002 Planned Program:		
•	1751	JSIG DT - Continue to support the development of medical, non-medical and special operations Multi-Service core NBC doctrine; (1) FM 3-11.14 NBC Vulnerability Analysis; (2) FM 3-11.19 MTTP for NBC Reconnaissance and Surveillance; FM 8-284 Treatment of Biological Warfare Agent Casualties. Draft/review joint requirements documents; (1) Joint Biological Standoff Detection System Milestone (MS) III; (2) Joint Protective Air Crew Ensemble MS III; (3) Joint Service Fixed Site Decontamination MS III; (4) Joint Chemical & Biological Agent Water Monitor MS II; (5) Joint Biological Point Detection System (Block 2) MS III; (6) Joint Chemical Environment Survivability Mask MS II; (7) Joint Container Refill System MS II; (8) Automatic Casualty Decontamination System (Draft); (9) Visible Casualty Agent Detection System (Draft). Initiate Collective and Individual Protection Mission Area Analysis. Continue implementation of recommendations provided in the NBC Defense Doctrine and Training Assessment. Provide Service support to implement training review and enhancement initiatives.
•	475	JSIG DT - Continue system requirements analysis; (1) Joint Chemical Agent Monitor; (2) Protective Clothing (JSLIST/FEE/EOD); (3) Joint Protective Air Crew Ensemble.
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BUDGET ACTIVITY
**RDT&E DEFENSE-WIDE/
BA6 - Management Support**

**0605384BP CHEMICAL/BIOLOGICAL DEFENSE
(MANAGEMENT SUPPORT)**

PROJECT
DT6

FY 2002 Planned Program (Cont):

- 75 JSIG DT - Continue to support additional joint participation in the JSLC.
- 1000 JSIG DT - Support Services M&S requirements. Finalize data base tools and integrate CMMS characterizations of the battlespace to ensure a common operational picture. Populate the common data model with existing data and develop missing data. Continue to validate requirements through participation of joint experiments and exercise/war game participation. Verify and document modeling and simulation requirements and tools into C4I systems to optimize Joint CBD operational capability.

Total 3301

B. Other Program Funding Summary: N/A

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BUDGET ACTIVITY RDT&E DEFENSE-WIDE/ BA6 - Management Support	0605384BP CHEMICAL/BIOLOGICAL DEFENSE (MANAGEMENT SUPPORT)	PROJECT DW6
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COST (In Thousands)	FY 2000 Actual	FY 2001 Estimate	FY 2002 Estimate						
DW6 DUGWAY PROVING GROUND	9767	10027	15424						

A. Mission Description and Budget Item Justification:

Project DW6 DUGWAY PROVING GROUND: Project provides a technical capability for testing Department of Defense (DoD) Chemical and Biological Defense materiel, equipment, and systems from concept through production. It finances indirect test operating costs not billable to test customers, to include indirect civilian and contractor labor; repair and maintenance of test instrumentation, equipment, and facilities; and replacement of test equipment.

DPG, a Major Range and Test Facility Base (MRTFB), is the reliance center for all DoD chemical/biological defense (CBD) testing and provides the United States' only combined range, chamber, toxic chemical lab, and bio-safety level three facility.

DPG uses state-of-the-art chemical and life sciences test facilities and test chambers to perform CBD testing of protective gear, decontamination systems, detectors, and equipment while totally containing chemical agents and biological pathogens.

Projects programmed for testing at DPG include: Joint Service Lightweight Stand-off Chemical Agent Detector (JSLSCAD), Joint Biological Point Detection System (JBPDS), Joint Chemical Agent Detector (JCAD), Joint Service Lightweight Integrated Suit Technology (JSLIST), Joint Service Sensitive Equipment Decontamination (JSSED), Joint Service Fixed Site Decon (JSFXD), and NBC Reconnaissance System (NBCRS).

FY 2000 Accomplishments:

- 6896 Provided for civilian labor and other supporting costs that cannot be directly identified to a specific test customer. These civilian personnel perform administration and staff support for DPG's Chemical/Biological (CB) test mission to include budget, surety operations, range control, COR duties, and environmental oversight.

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FY 2000 Accomplishments (Cont):		
<ul style="list-style-type: none"> • • 	2318 Provided for labor and supporting costs of contractor personnel performing administration and management of DPG's CB test mission contracts. This is the indirect portion of the total cost of providing contractual effort including chemical analysis, field support, planning, and report documentation. This portion of the contract cannot be specifically identified to a test customer and is funded by indirect funds; the balance which can be directly identified is recouped from customers. 553 Provided for a dedicated and specially trained staff to operate and maintain all control systems within DPG's TRIAD Test Complex (Materiel Test Facility, Combined Chemical Test Facility and the Life Science Test Facility).	
Total	9767	
FY 2001 Planned Program:		
<ul style="list-style-type: none"> • • • • 	6176 Provides for civilian labor and other supporting costs that cannot be directly identified to a specific test customer. These civilian personnel perform administration and staff support for DPG's Chemical/Biological (CB) test mission to include budget, surety operations, range control, COR duties, and environmental oversight. 3110 Provides for labor and supporting costs of contractor personnel performing administration and management of DPG's CB test mission contracts. This is the indirect portion of the total cost of providing contractual effort including chemical analysis, field support, planning, and report documentation. This portion of the contract cannot be specifically identified to a test customer and is funded by indirect funds; the balance which can be directly identified is recouped from customers. 571 Provides for a dedicated and specially trained staff to operate and maintain all control systems within DPG's TRIAD Test Complex (Materiel Test Facility, Combined Chemical Test Facility and the Life Science Test Facility). 170 SBIR	
Total	10027	
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(MANAGEMENT SUPPORT)**

PROJECT
DW6

FY 2002 Planned Program:

- 6420 Provides for civilian labor and other supporting costs that cannot be directly identified to a specific test customer. These civilian personnel perform administration and staff support for DPG's Chemical/Biological (CB) test mission to include budget, surety operations, range control, COR duties, and environmental oversight.
- 3455 Provides for labor and supporting costs of contractor personnel performing administration and management of DPG's CB test mission contracts. This is the indirect portion of the total cost of providing contractual effort including chemical analysis, field support, planning, and report documentation. This portion of the contract cannot be specifically identified to a test customer and is funded by indirect funds; the balance which can be directly identified is recouped from customers.
- 598 Provides for a dedicated and specially trained staff to operate and maintain all control systems within DPG's TRIAD Test Complex (Materiel Test Facility, Combined Chemical Test Facility and the Life Science Test Facility).
- 4951 Provides for revitalization/modernization efforts at DPG commensurate with technology/facility requirements for future testing. This includes evolving capability needs driven by change in threat and system requirements and equipment purchases to upgrade/replace aging equipment.

Total 15424

B. Other Program Funding Summary: N/A

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BUDGET ACTIVITY RDT&E DEFENSE-WIDE/ BA6 - Management Support	0605384BP CHEMICAL/BIOLOGICAL DEFENSE (MANAGEMENT SUPPORT)	PROJECT MS6
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COST (In Thousands)	FY 2000 Actual	FY 2001 Estimate	FY 2002 Estimate						
MS6 MANAGEMENT SUPPORT	10783	8486	9083						

A. Mission Description and Budget Item Justification:

Project MS6 MANAGEMENT SUPPORT: This project provides management support for the Department of Defense (DoD) Joint Service Nuclear, Biological and Chemical (NBC) defense program. It includes program oversight and integration of overall medical and non-medical programs by the Office of the Secretary of Defense (OSD) NBC Defense Steering Committee, which is composed of the Director, Defense Research and Engineering (DDR&E); the Director, Defense Threat Reduction Agency (DTRA); the Director, Chemical/Biological Defense Directorate, DTRA; and the Deputy Assistant to the Secretary of Defense for Chemical/Biological Defense (DATSD (CBD)); funds execution management by DTRA; integration of joint requirements, training and doctrine by the Joint Service Integration Group (JSIG); Joint Research Development Acquisition (RDA) planning, input to the NBC Defense Annual Report to Congress and Program Objectives Memorandum (POM) Strategy development by the Joint Service Materiel Group (JSMG); and review of the JSIG and JSMG joint plans and the consolidated NBC Defense POM Strategy by the Joint NBC Defense Board (JNBCDB) Secretariat. It also includes programming support for the Joint Service Chemical Biological Information System (JSCBIS) which serves as a budgetary and informational database for the DoD Chemical/Biological Defense Program. Funding is also provided for the Chemical Biological Archive Information Management System (CBAIMS) a means to collect, assemble, catalog and archive Chemical and Biological Defense information from multiple service locations into a central repository and library.

Project MS6
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		0605384BP CHEMICAL/BIOLOGICAL DEFENSE (MANAGEMENT SUPPORT)
FY 2000 Accomplishments:		
	<ul style="list-style-type: none"> • 488 CBAIMS - Supported archiving of Chemical and Biological information. • 117 JNBCDB MGT - Provided Joint Nuclear, Biological and Chemical Defense Board (JNBCDB) oversight and analysis for Planning, Programming, Budget and Execution System (PPBES) process. • 2692 JSIG MGT - Developed Joint Requirements and conducted milestone reviews. Developed medical Joint Future Operational Capabilities (JFOC) and integrated with updated non-medical JFOCs. Established Joint Training Working Group and Models and Simulations Requirements Panel to develop non-material requirements. Conducted annual review and update of Joint Modernization Plan, the integrated medical and non-medical Joint Priority List, the JFOCs and the Annual Report to Congress. • 3003 JSMG MGT - Developed assessments to support RDA Planning. Provided analytic programmatic support for development of POM Strategy, the Budget Estimate Submit (BES), and the President's Budget (PB) submissions. Responded to specialized evaluation studies throughout the PPBS process. • 4483 OSD MGT - Performed program reviews/assessments, provide programmatic PPBS oversight/analysis, provide congressional issue analysis and support. Supported financial management services provided by the Defense Threat Reduction Agency such as funding distribution and execution reporting. Provided Joint Service Chemical and Biological Information System (JSCBIS) database support. 	
Total	10783	
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BUDGET ACTIVITY RDT&E DEFENSE-WIDE/ BA6 - Management Support		PROJECT MS6
		0605384BP CHEMICAL/BIOLOGICAL DEFENSE (MANAGEMENT SUPPORT)
FY 2001 Planned Program:		
•	387	CBAIMS - Archive Chemical and Biological information from multiple service locations.
•	186	JNBCDB MGT - Provide Joint Nuclear, Biological and Chemical Defense Board (JNBCDB) oversight and analysis for PPBS process.
•	2526	JSIG MGT - Develop Joint Requirements and conduct milestone reviews. Conduct annual review and update of Joint Modernization Plan, the integrated medical and non-medical Joint Priority List, the JFOCs and the Annual Report to Congress.
•	3006	JSMG MGT - Develop assessments to support Research, Development and Acquisition (RDA) Planning. Provide analytic programmatic support for development of Program Objective Memorandum (POM) Strategy, the Budget Estimate Submit (BES), and the President's Budget (PB) submissions. Respond to specialized evaluation studies throughout the PPBS process.
•	2242	OSD MGT - Perform program reviews/assessments, provide programmatic PPBS oversight/analysis, provide congressional issue analysis and support. Supports financial management services provided by the Defense Threat Reduction Agency such as funding distribution and execution reporting. Provide JSCBIS database support.
•	139	SBIR
Total	8486	
<p>Project MS6 Page 19 of 28 Pages Exhibit R-2 (PE 0605384BP)</p>		

CBDP BUDGET ITEM JUSTIFICATION SHEET (R-2A Exhibit)

DATE **June 2001**

BUDGET ACTIVITY
**RDT&E DEFENSE-WIDE/
BA6 - Management Support**

**0605384BP CHEMICAL/BIOLOGICAL DEFENSE
(MANAGEMENT SUPPORT)**

PROJECT
MS6

FY 2002 Planned Program:

- 754 CBAIMS - Archive Chemical and Biological information from multiple service locations.
- 191 JNBCDB MGT - Provide Joint Nuclear, Biological and Chemical Defense Board (JNBCDB) oversight and analysis for PPBS process.
- 2677 JSIG MGT - Develop Joint Requirements and conduct milestone reviews. Conduct annual review and update of Joint Modernization Plan, the integrated medical and non-medical Joint Priority List, the JFOCs and the Annual Report to Congress.
- 3574 JSMG MGT - Develop assessments to support RDA Planning. Provide analytic programmatic support for development of POM Strategy, the Budget Estimate Submit (BES), and the President's Budget (PB) submissions. Respond to specialized evaluation studies throughout the PPBS process.
- 1887 OSD MGT - Perform program reviews/assessments, provide programmatic PPBS oversight/analysis, provide congressional issue analysis and support. Supports financial management services provided by the Defense Threat Reduction Agency such as funding distribution and execution reporting. Provide JSCBIS database support.

Total 9083

B. Other Program Funding Summary: N/A

CBDP BUDGET ITEM JUSTIFICATION SHEET (R-2A Exhibit)	DATE June 2001
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BUDGET ACTIVITY RDT&E DEFENSE-WIDE/ BA6 - Management Support	0605384BP CHEMICAL/BIOLOGICAL DEFENSE (MANAGEMENT SUPPORT)	PROJECT O49
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COST (In Thousands)	FY 2000 Actual	FY 2001 Estimate	FY 2002 Estimate						
O49 JOINT POINT TEST	1540	1517	3008						

A. Mission Description and Budget Item Justification:

Project O49 JOINT POINT TEST: The objectives of the Joint Point Test program are to plan, conduct, evaluate, and report on joint tests (for other than developmental hardware) and accomplish operational research assessments in response to requirements received from the Commanders in Chief (CINCs) and the Services. This program will provide ongoing input to the CINC's and Services for development of doctrine, policy, training procedures, and feedback into the Research, Development, Testing & Evaluation (RDT&E) cycle.

FY 2000 Accomplishments:

- 614 Conducted assessments evaluating performance and procedures in a chemical environment. Efforts initiated addressed Field Laundry Aeration for JSLIST garment, mitigation of CW/BW effect on unprotected civilians during noncombatant operations and effects of chemical warfare on airbase operations and impact of sortie generation.
- 610 Conducted field trials evaluating performance and procedures in a chemical environment. Field tests conducted were, CW impact on Sea Ports of Debarkation and VX Chemical Agent Simulant performance.
- 316 Conducted laboratory tests evaluating performance and procedures in a chemical environment. Laboratory testing conducted supported the Sea Ports of Debarkation field testing and field laundry aeration assessment for JSLIST garment.

Total 1540

CBDP BUDGET ITEM JUSTIFICATION SHEET (R-2A Exhibit)		DATE June 2001
BUDGET ACTIVITY RDT&E DEFENSE-WIDE/ BA6 - Management Support	0605384BP CHEMICAL/BIOLOGICAL DEFENSE (MANAGEMENT SUPPORT)	PROJECT O49
FY 2001 Planned Program:		
•	575	Conduct assessments evaluating performance and procedures in a chemical environment. Planned efforts are to address decontamination of strategic and tactical aircraft, casualty decontamination procedures and noncombatant evacuation operation respiratory protection.
•	616	Conduct field trials evaluating performance and procedures in a chemical environment. Field trials planned are effectiveness of transload operations, noncombatant evacuation operations, and cargo aircraft contamination control.
•	300	Conduct laboratory tests evaluating performance and procedures in a chemical environment. Laboratory tests planned are protective mask fit factor for BW, noncombatant evacuation operations materiel support, and industrial hygiene equipment evaluation.
•	26	SBIR
Total	1517	
FY 2002 Planned Program:		
•	41	Conduct assessments evaluating performance and procedures in a chemical environment. Planned assessment is casualty decontamination procedures.
•	2471	Conduct field trials evaluating performance and procedures in a chemical environment. Field trials to be conducted are casualty decontamination procedures, contamination control and toxic free area operations, and cargo aircraft contamination control.
•	150	Conduct Technical Data Source Book Update. Incremental update of data and information generated from on going Project O49 activity.
Project O49	Page 22 of 28 Pages	Exhibit R-2 (PE 0605384BP)

CBDP BUDGET ITEM JUSTIFICATION SHEET (R-2A Exhibit)

DATE **June 2001**

BUDGET ACTIVITY
**RDT&E DEFENSE-WIDE/
BA6 - Management Support**

**0605384BP CHEMICAL/BIOLOGICAL DEFENSE
(MANAGEMENT SUPPORT)**

PROJECT
O49

FY 2002 Planned Program (Cont):

- 150 Conduct CB Joint Technical Information Center Research. The library responds to inquiries from the field. The new proposed requirements are received by Project O49, and undergoes the following process: Initial Evaluation, Literature Search, and if the request has already been evaluated, a letter response is sent to the requester with the results of the evaluation. If the request has not been examined, further assessment is given to the request to determine if modeling, a field test, a laboratory test, and/or a chamber test is merited.
- 196 Conduct laboratory tests evaluating performance and procedures in a chemical environment. Laboratory tests planned will address Live Bio Test on Material Surfaces.

Total 3008

B. Other Program Funding Summary: N/A

CBDP BUDGET ITEM JUSTIFICATION SHEET (R-2 Exhibit)	DATE June 2001
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BUDGET ACTIVITY RDT&E DEFENSE-WIDE/ BA6 - Management Support	0605502BP SMALL BUSINESS INNOVATIVE RESEARCH (SBIR)
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COST (In Thousands)	FY 2000 Actual	FY 2001 Estimate	FY 2002 Estimate						
Total Program Element (PE) Cost	5938	0	0						
SB6 SMALL BUSINESS INNOVATIVE RESEARCH (SBIR)	5938	0	0						

A. Mission Description and Budget Item Justification: The overall objective of the Chemical/Biological Defense (CBD) SBIR program is to improve the transition or transfer of innovative CBD technologies between Department of Defense (DoD) components and the private sector for mutual benefit. The CBD program includes those technology efforts that maximize a strong defensive posture in a biological or chemical environment using passive and active means as deterrents. These technologies include chemical and biological detection; information assessment, which includes identification, modeling, and intelligence; contamination avoidance; and protection of both individual soldiers and equipment.

CBDP BUDGET ITEM JUSTIFICATION SHEET (R-2 Exhibit)

DATE **June 2001**

BUDGET ACTIVITY
RDT&E DEFENSE-WIDE/
BA6 - Management Support

0605502BP SMALL BUSINESS INNOVATIVE RESEARCH (SBIR)

B. Program Change Summary:	<u>FY 2000</u>	<u>FY 2001</u>	<u>FY 2002</u>
FY 2001 President's Budget	0	0	0
Appropriated Value	0	0	0
Adjustment to Appropriated Value	0	0	0
a. Congressional General Reductions	0	0	0
b. SBIR/STTR	5938	0	0
c. Omnibus or Other Above Threshold Reductions	0	0	0
d. Below Threshold Reprogramming	0	0	0
e. Rescissions	0	0	0
Adjustments to Budget Years Since FY 2001 PB	0	0	0
FY2002/2003 Budget Estimate Submission	5938	0	0

Change Summary Explanation:

Funding:

Schedule:

Technical:

CBDP BUDGET ITEM JUSTIFICATION SHEET (R-2A Exhibit)	DATE June 2001
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BUDGET ACTIVITY RDT&E DEFENSE-WIDE/ BA6 - Management Support	0605502BP SMALL BUSINESS INNOVATIVE RESEARCH (SBIR)	PROJECT SB6
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COST (In Thousands)	FY 2000 Actual	FY 2001 Estimate	FY 2002 Estimate						
SB6 SMALL BUSINESS INNOVATIVE RESEARCH (SBIR)	5938	0	0						

A. Mission Description and Budget Item Justification:

Project SB6 SMALL BUSINESS INNOVATIVE RESEARCH (SBIR): The SBIR Program is a Congressionally mandated program established to increase the participation of small business in federal research and development (R&D). Currently, each participating government agency must reserve 2.5% of its extramural R&D for SBIR awards to competing small businesses. The goal of the SBIR Program is to invest in the innovative capabilities of the small business community to help meet government R&D objectives while allowing small companies to develop technologies and products which they can then commercialize through sales back to the government or in the private sector.

The Small Business Technology Transfer (STTR) Program like SBIR, is a government-wide program, mandated by the Small Business Research and Development Enhancement Act of 1992, PL 102-564. STTR was established in FY94 as a three-year pilot program. In early 1996, the General Accounting Office conducted a comprehensive review of the Government-wide STTR Program to determine the effectiveness of the pilot program. Upon review of the GAO report, Congress voted to reauthorize the STTR Program to the year 2000, consistent with the authorization period for the SBIR Program.

CBDP BUDGET ITEM JUSTIFICATION SHEET (R-2A Exhibit)		DATE June 2001
BUDGET ACTIVITY RDT&E DEFENSE-WIDE/ BA6 - Management Support	0605502BP SMALL BUSINESS INNOVATIVE RESEARCH (SBIR)	PROJECT SB6
<p>STTR was established as a companion program to the SBIR Program and is executed in essentially the same manner; however there are several distinct differences. The STTR Program provides a mechanism for participation by university , federally-funded research and development centers (FFRDCs), and other non-profit research institutions. Specifically, the STTR Program is designed to provide an incentive for small companies and research at academic institutions and non-profit research and development institutions to work together to move emerging technical ideas from the laboratory to the marketplace to foster high-tech economic development and to advance U.S. economic competitiveness. Each STTR proposal must be submitted by a team which includes a small business (as the prime contractor for contracting purposes) and at least one research institution, which have entered into a Cooperative Research and Development Agreement for the purposes of the STTR effort. Furthermore, the project must be divided up such that the small business performs at least 40% of the work and the research institution(s) performs at least 30% of the work. The remainder of the work may be performed by either party or a third party. The budget is separate from the SBIR budget and is significantly smaller (0.15% of the extramural R&D budget vs. 2.5% for the SBIR Program).</p> <p>The Department of Defense (DoD) has consolidated management and oversight of the Chemical and Biological Defense (CBD) program into a single office within the Office of the Secretary of Defense (OSD). The Army was designated as the Executive Agent for coordination and integration of the CBD program. The executive agent for the SBIR/STTR portion of the program is the Army Research Office-Washington.</p> <p>The overall objective of the CBD SBIR/STTR program is to improve the transition or transfer of innovative CBD technologies between DoD components and the private sector for mutual benefit. The CBD program includes those technology efforts that maximize a strong defensive posture in a biological or chemical environment using passive and active means as deterrents. These technologies include chemical and biological detection; information assessment, which includes identification, modeling, and intelligence; contamination avoidance; and protection of both individual soldiers and equipment.</p> <p>FY 2000 Accomplishments:</p> <ul style="list-style-type: none"> • 5938 SBIR - Conducted Chemical and Biological Defense SBIR research and development efforts. <p>Total 5938</p>		
Project SB6	Page 27 of 28 Pages	Exhibit R-2 (PE 0605502BP)

CBDP BUDGET ITEM JUSTIFICATION SHEET (R-2A Exhibit)

DATE **June 2001**

BUDGET ACTIVITY
**RDT&E DEFENSE-WIDE/
BA6 - Management Support**

**0605502BP SMALL BUSINESS INNOVATIVE
RESEARCH (SBIR)**

PROJECT
SB6

FY 2001 Planned Program: No planned program

FY 2002 Planned Program: No planned program

B. Other Program Funding Summary: N/A