r		œ	C	IC/	٦Т	-1	n	n		٠
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CLASSIFICATION:										
EXHIBIT R-2, RDT&E Bu	dget Item Just	tification				DATE:				
							F	ebruary 200	3	
APPROPRIATION/BUDGET ACTIVITY			PROGRAM ELEMENT (PE) NAME AND NO.							
RDT&E, N /BA-6 Management Support			0605873M	Marine Cor	ps Program	Wide Supp	ort			
									Cost to	Total
COST (\$ in Millions)	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	Complete	Program
										1
Total PE Cost	20.023	27.476	16.635	19.766	25.669	30.355	34.122	32.537	Cont	Cont
0000014 : 0 0 1							0.400		•	
C0030 Marine Corps Studies and Analyses	5.249	6.167	5.721	5.900	6.114	6.238	6.438	6.566	Cont	Cont
C0033 Marine Corps Operational Testing & Evaluation Activity	2.558	2.389	2.770	2.713	2.766	2.816	2.901	2.958	Cont	Cont
C2330 Family of Incident Response Systems (FIRS)	11.267	16.469	1.898	2.870	7.418	10.860	13.970	11.858	Cont	Cont
, , ,										
C2930 Phase 0 Activities	0.949	2.451	6.246	8.283	9.371	10.441	10.813	11.155	Cont	Cont
Quantity of RDT&E Articles										

## (U) A. MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION:

This program element (PE) provides the analytical foundation for the Marine Corps Studies System (MCSS), including mandated Mission Area Analyses and Cost and Operational Effectiveness Analyses. The MCSS is the front end of the Marine Corps' acquisition system, supporting the Concepts Based Requirements Systems and Combat Development Process. In addition, the PE supports Marine Corps Operational Test and Evaluation (OT&E) Activities.

This program is funded under RDT&E MANAGEMENT SUPPORT because it supports the oprations and installation required for general research and development use.

### B. PROGRAM CHANGE SUMMARY

	<u>FY2002</u>	FY2003	FY2004	FY2005	
(U) FY 2003 President's Budget:	20.133	12.208	12.917	13.867	
(U) Adjustments from the President's Budget:					
(U) Congressional/OSD Program Reductions	-0.055	-0.657	-1.161	-1.351	
(U) Congressional Rescissions					
(U) Congressional Increases		15.925			
(U) Reprogrammings	0.239		4.879	7.250	
(U) SBIR/STTR Transfer	-0.294				
(U) Minor Affordability Adjustment					
(U) FY 2004 President's Budget:	20.023	27.476	16.635	19.766	
CHANGE SHAMADY EVEL ANATION:					

CHANGE SUMMARY EXPLANATION:

(U) Funding: See Above. (U) Schedule: Not Applicable. (U) Technical: Not Applicable.

EXHIBIT R-2a	, RDT&E Project Jus	tification			DATE:	<u> </u>				
							February 2	2003		
PPROPRIATION/BUDGET ACTIVITY PROGRAM ELEMENT NUMBER AND NAME PR					PROJECT NUMBER AND NAME					
RDT&E, N /BA-6 Management Support 0605873M Marine Corps Program Wide Support Co					C0030 Marine Corps Studies and Analyses					
									Cost to	Total
COST (\$ in Millions)	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY2009	Complete	Program
Project Cost	5.249	6.167	5.721	5.900	6.114	6.238	6.438	6.566	Cont	Cont
RDT&E Articles Qty										

#### (U) A. MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION:

This project funds the general studies and analyses portion of the Marine Corps Studies System (MCSS) and provides the analytical underpinnings and foundation for the MCSS. The project funds a variety of studies and analyses approved for execution in the annual Marine Corps Studies Master Plan (MCSMP) including mandated Mission Area Analyses (MAAs), Milestone A, and Pre-Milestone A (Conceptual) Analysis of Alternatives (AoAs), technology assessments, force structure analysis, weapons systems analysis, concept development and analysis, cost benefit analysis, training assessments, feasibility analysis, scenario development, and other analyses in support of the Program Objective Memorandum (POM) initiatives and the Marine Corps, as a whole. The MCSS also supports the front end of the Marine Corps' acquisition system, the Expeditionary Force Development System (EFDS), and the Combat Development Process (CDP). The MAA process provides quantitative and qualitative information to decision makers for basing decisions effecting improvements in operational concepts, doctrine, force structure, education, training, and procurement. The MCSS also provides analytical support to decision makers for the resolution of current problems and issues identified by the operating forces. The MCSS also makes use of the Marine Corps Research University to conduct studies and analysis projects in the areas of basic and applied research and Advanced Technology Development.

#### (U) B. ACCOMPLISHMENTS/PLANNED PROGRAM:

COST (\$ in Millions)	FY 2002	FY 2003	FY 2004	FY 2005
Accomplishment/Effort Subtotal Cost	1.331	0.000	0.000	0.000
RDT&E Articles Qty				

In FY-02, completed the Mission Area Analyses (MAA) for Peacekeeping, Marine Expeditionary Brigade Sustained Operations Ashore, Humanitarian Assistance/Disaster Relief, Northeast Asia Forcible Entry, and Military Operations on Urban Terrain.

COST (\$ in Millions)	FY 2002	FY 2003	FY 2004	FY 2005
Accomplishment/Effort Subtotal Cost	3.011	5.171	4.818	4.995
RDT&E Articles Qty				

In FY-02, commenced the Sustainment Consequences of Acquisition Decisions and Deployability Readiness, Expeditionary Fires, Remain Behind Equipment, and Depot Future studies.

In FY-02, commenced and completed the Aviation Logistics Support Aboard Maritime Prepositioning Force Future, Sustainment Consequences of Acquisition Decisions, Joint Warfare System, Officer Candidate School Data Analysis, Officer Recruiting Structure II, Marine Corps Deployment Tempo, Utility of High Speed Vessel for United States Marine Corps Operations, Regimental Command and Control (C2) Architecture, Alternatives for Improving Critical Secondary Military Occupation Specialty (MOS), Ground Reconnaissance in Support of Expeditionary Maneuver Warfare, Tactical Air, Military Transformation in the United States Marine Corps, Imagery Analysis Support to Precision Targeting, Operational Support Airlift, Identification and Analysis of the Demographic Trends Impacting Reserves, Quality of Life, and facilitating Engagement in East Africa studies, and the Multi Role Radar System Alternatives of Analysis. Additionally, the Military Transformation in the USMC Study that identified efforts designed to ensure that the Marine Corps remains the force of choice for small scale contingency operations and critical contributions in large scale theater conflicts was completed. The MCSS also provided USMC participation in the DoN Tactical Air Support study and a Maritime Pre-Position Force (MPFF) transformation study.

In FY-03, commence the Marine Expeditionary Brigade 2015 Command and Control (C2) and Combat Service Support (CSS) Capabilities, Advanced Amphibious Assault Vehicle (AAAV) Carry Capacity Key Performance Parameters (KPP) and Analysis of Alternatives, Joint Tactical Radio System (JTRS) Migration Strategy, United States Marine Corps Fuel Use Reduction, Light Tactical Wheeled Vehicle, Analysis of Alternatives for Advanced Antitank Weapon System - Heavy, United States Marine Corps Overarching Battery, Marine Air Ground Task Force (MAGTF) Expeditionary Family of Fighting Vehicles Capabilities Requirements, United States Marine Corps Manpower Requirements Criteria, Enabling Logistics Processes with Portable and Wireless Technology, Establishing Time Criteria for Logistics Tasks, Logistics Community Training for Officers and Staff Non-commissioned Officers, Logistics Performance Measurement, Injury Prevention and Rehabilitation, and Bumper to Bumper Maintenance Policy studies.

Initiate the high priority study and analysis projects approved in the FY2004-2005 Marine Corps Studies Master Plan (MCSMP) and initiate new Analysis of Alternatives support as nominated and approved.

EXHIBIT R-2a, RD	T&E Project Justification	DATE:				
		February 2003				
APPROPRIATION/BUDGET ACTIVITY	PROGRAM ELEMENT NUM	MBER AND NAME	PROJECT NUMBER AND N	PROJECT NUMBER AND NAME		
RDT&E, N /BA-6 Management Support	0605873M Marine Corps P	0605873M Marine Corps Program Wide Support C		C0030 Marine Corps Studies and Analyses		
COST (\$ in Millions)	FY 2002	FY 2003	FY 2004	FY 2005		
Accomplishment/Effort Subtotal Cost	0.907	0.996	0.903	0.905		
RDT&E Articles Qty						

In FY-02, completed the Force Protection and Electro-Optical Equipment Inventory and Maintenance Study, Signals Intelligence (SIGINT) Electronic Warfare Assessment study, and Force Protection II study with the Marine Corps Research University.

In FY-03, continue and complete the Concept of Link Employment (COLE), Marine Corps Meteorological and Oceanographic Support studies. Commence and complete the Integration of Diagnostics into Ground Equipment Life Cycle Management, and Protective Technology Research, Development, and Implementation in Support of Defense Protective Needs studies.

Initiate high priority study and analysis projects and studies nominated and approved in the FY2003-2005 Marine Corps Studies Master Plan (MCSMP).

(U) Total \$ 0.000 5.249 6.167 5.721 5.900

(U) PROJECT CHANGE SUMMARY	FY2002	FY2003	FY2004	FY2005
(U) FY 2003 President's Budget:	5.131	6.318	6.505	6.679
(U) Adjustments from the President's Budget:				
(U) Congressional/OSD Program Reductions	-0.014	-0.151	-0.784	-0.779
(U) Congressional Rescissions				
(U) Congressional Increases				
(U) Reprogrammings	0.217			
(U) SBIR/STTR Transfer	-0.085			
(U) Minor Affordability Adjustment				
(U) FY 2004 President's Budget:	5.249	6.167	5.721	5.900

(U) CHANGE SUMMARY EXPLANATION:

(U) Funding: See Above.(U) Schedule: Not Applicable.(U) Technical: Not Applicable.

- (U) C. OTHER PROGRAM FUNDING SUMMARY: Not Applicable.
- (U) Related RDT&E: PE 0605154N (Center for Naval Analyses (CNA), Project C0031 (Marine Corps Operations Analysis Group)
- (U) D. ACQUISITION STRATEGY: Not Required.
- (U) E. MAJOR PERFORMERS: Indefinite Delivery Indefinite Quantity contracts as follows:

FY 02 Northrop Grumman Information Technology (NGIT), San Diego, CA for Mission Area Analysis support services. Sep 01.

FY 02 - FY04 Decision Engineering Associates LLC, Dumfries, VA for analytical and support services. Mar 02.
FY 02 - FY04 Computing Technologies Inc. (CoTs) Fairfax, VA for analytical and support services. Dec 01

FY 02 - FY04 Marine Corps Research University at Pennsylvania State, State College, PA for analytical and support services. May 02.
FY 02 - FY04 Northrop Grumman Mission Systems (NGMS) (Formerly TRW Inc), Fairfax, VA for Analytical and support services. Nov 01.

(U) SCHEDULE PROFILE: Not Applicable

EXHIBIT R-2a,	RDT&E Project Jus	tification			DATE:					
					February 2003					
APPROPRIATION/BUDGET ACTIVITY	PROGRAM E	ROGRAM ELEMENT NUMBER AND NAME P				PROJECT NUMBER AND NAME				
RDT&E, N /BA-6 Management Support	0605873M Ma	605873M Marine Corps Program Wide Support				C0033 Marine Corps Operational Testing & Evaluation Activity				
COST (\$ in Millions)	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	Cost to Complete	Total Program
Project Cost	2.558	2.389	2.770	2.713	2.766	2.816	2.901	2.958	Cont	Cont
RDT&E Articles Qty										

### (U) A. MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION:

The Marine Corps Operational Test and Evaluation Acitivity (MCOTEA) supports the material acquisition process by managing the USMC Operational Test (OT) programs for the Acquisition Category (ACAT) I through ACAT IV less OT of manned aircraft and to perform such other functions as may be directed by the Commandant of the Marine Corps. The primary purpose of Operational Test and Evaluation (OT&E) is to provide information to the Milestone Decision Authority (MDA) regarding the Operational Effectiveness (OE) and Operational Suitability (OS) of the system addressed at at decision point. MCOTEA must ensure that the Marines in the Operating Forces receive the very best possible equipment and support. MCOTEA must ensure each system proposed for acquisition is tested adequately, evaluated objectively and reported independently.

#### (U) B. ACCOMPLISHMENTS/PLANNED PROGRAM:

COST (\$ in Millions)	FY 2002	FY 2003	FY 2004	FY 2005
Accomplishment/Effort Subtotal Cost	0.753	0.578	0.771	0.771
RDT&E Articles Qty				
MCOTEA: Provide for organizational support and	lutilities.			
COST (\$ in Millions)	FY 2002	FY 2003	FY 2004	FY 2005
Accomplishment/Effort Subtotal Cost	1.461	1.600	1.520	1.520
RDT&E Articles Qty				
MCOTEA D. '1 C	•		•	
MCOTEA: Provide for organizational salaries.				
COST (\$ in Millions)	FY 2002	FY 2003	FY 2004	FY 2005
	FY 2002 <b>0.344</b>	FY 2003 <b>0.211</b>	FY 2004 <b>0.479</b>	FY 2005 <b>0.422</b>
COST (\$ in Millions)				
COST (\$ in Millions) Accomplishment/Effort Subtotal Cost	0.344	0.211	0.479	
COST (\$ in Millions) Accomplishment/Effort Subtotal Cost RDT&E Articles Qty	0.344	0.211	0.479	

EXHIBIT R-2a, RDT	E Project Justifica	ation			DATE:
APPROPRIATION/BUDGET ACTIVITY	PROGRAM ELEM	ENT NUMBE	R AND NAME	<u> </u>	February 2003 PROJECT NUMBER AND NAME
RDT&E, N /BA-6 Management Support	0605873M Marine	Corps Proc	ıram Wide Suı	pport	C0033 Marine Corps Operational Testing & Evaluation Activity
(U) Project Change Summary	FY2002	FY2003	FY2004	FY2005	<u> </u>
(U) FY 2003 President's Budget:	2.485	2.447	2.863	2.806	
(U) Adjustments from the President's Budget: (U) Congressional/OSD Program Reductions (U) Congressional Rescissions	-0.007	-0.058	-0.093	-0.093	
<ul><li>(U) Congressional Increases</li><li>(U) Reprogrammings</li><li>(U) SBIR/STTR Transfer</li></ul>	0.080				
(U) Minor Affordability Adjustment (U) FY 2004 President's Budget:	2.558	2.389	2,770	2.713	
CHANGE SUMMARY EXPLANATION: (U) Funding: See Above. (U) Schedule: Not Applicable. (U) Technical: Not Applicable.					
(U) C. OTHER PROGRAM FUNDING SUMMARY: N	lot Applicable.				
(U) Related RDT&E: Not Applicable.					
(U) D. ACQUISITION STRATEGY: Not Required.					
(U) E. MAJOR PERFORMERS: This project provide	es funds for organiza	ational suppo	rt (travel, salar	ries) of MCC	DTEA.
(U) SCHEDULE PROFILE: Not Applicable.					

EXHIBIT R-2a	, RDT&E Project Ju	stification			DATE:					
							February	2003		
APPROPRIATION/BUDGET ACTIVITY	PROGRAM ELEMENT NUMBER AND NAME PRO				PROJECT NUMBER AND NAME					
RDT&E, N /BA-6 Management Support	0605873M Ma	05873M Marine Corps Program Wide Support C23			C2330 Family of Incident Response Systems (FIRS)					
									Cost to	i otai
COST (\$ in Millions)	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	Complete	Program
Project Cost	11.267	16.469	1.898	2.870	7.418	10.860	13.970	11.858	Cont	Cont
RDT&E Articles Qty										

#### (U) A. MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION:

The Family of Incident Response Systems (FIRS) consists of equipment, systems, and services designed to provide federal, state, and local weapons of mass destruction (WMD) incident response forces the capabilities they need to effectively respond to a terrorist attack using Chemical, Biological, Radiological, Nuclear, and High-Yield Explosives (CBRNE) weapons of mass destruction. The Family Incident Response Systems meets the mission requirements for the detection, mass casualty decontamination, force protection, responder inter-agency interoperability, C4I, urban search and rescue, medical, and general support requirements needed by these forces to mitigate the effects of a CBRNE terrorist attack. The Family Incident Response Systems relies primarily on Commercial Off-The-Shelf/Non-Developmental Items (COTS/NDI) equipment and systems that meet the particular mission requirements of Consequence Management (CM). Nuclear, Biological, and Chemical (NBC) systems are adopted if they meet the CM mission requirements. The FIRS R&D effort allows the program to keep abreast of emerging technologies in the commercial sector and address operational capability gaps that cannot be met by commercial items.

### (U) B. ACCOMPLISHMENTS/PLANNED PROGRAM:

COST (\$ in Millions)	FY 2002	FY 2003	FY 2004	FY 2005
Accomplishment/Effort Subtotal Cost	0.411	0.441	0.100	1.168
RDT&E Articles Qty				

**CBIRF:** Research and development of a device that senses victims through debris of a collapsed building or through standing structures, such as walls and doors.

COST (\$ in Millions)	FY 2002	FY 2003	FY 2004	FY 2005
Accomplishment/Effort Subtotal Cost	0.080	0.250	0.562	0.200
RDT&E Articles Qty				

**CBIRF:** Research and development of a hand-held broad spectrum detector capable of real-time detection and identification of chemical warfare agents (CWA), Toxic Industrial Chemicals/Materials (TIC/TIM) below the Immediately Dangerous to Life and Health (IDLH) level.

COST (\$ in Millions)	FY 2002	FY 2003	FY 2004	FY 2005
Accomplishment/Effort Subtotal Cost	0.088	0.000	0.000	0.000
RDT&E Articles Qty				

CBIRF: Live agent testing of the Portable Gas Chromatograph/Mass Spectrometer (GC/MS) upgrade to validate its level of TIC/TIM detection and identification.

COST (\$ in Millions)	FY 2002	FY 2003	FY 2004	FY 2005
Accomplishment/Effort Subtotal Cost	0.735	0.000	0.000	0.000
RDT&E Articles Qty				

**CBIRF:** Research and development of a lightweight cooling system capable of cooling personnel wearing various levels of chem-bio protective equipment.

COST (\$ in Millions)	FY 2002	FY 2003	FY 2004	FY 2005
Accomplishment/Effort Subtotal Cost	0.265	0.000	0.000	0.000
RDT&E Articles Qty				

CBIRF: Research and development of a device that will identify isotopes of radiological hazards to help characterize an incident and determine the duration of a hazard.

EXHIBIT R-2	EXHIBIT R-2a, RDT&E Project Justification				DATE:			
				February 2003				
APPROPRIATION/BUDGET ACTIVITY	PROGRAM ELEMENT NUME	BER AND NAME	PROJECT NUMBER AND					
RDT&E, N /BA-6 Management Support	0605873M Marine Corps Pro	ogram Wide Support	C2330 Family of Incident	FIRS)				
COST (\$ in Millions)	FY 2002	FY 2003	FY 2004	FY 2005				
Accomplishment/Effort Subtotal Cost	0.760	2.732	0.000	0.000				
RDT&E Articles Qty								
ECASOL: Research and development of env	rironmentally benign, patient-safe chem-b	io decontaminant Electro-Cl	hemical Activated Solution.		<u>-</u> _			
COST (\$ in Millions)	FY 2002	FY 2003	FY 2004	FY 2005				
Accomplishment/Effort Subtotal Cost	0.300	0.253	1.226	0.420				
RDT&E Articles Qty								
CBIRF: Research and development of a hand-l	held detector capable of real-time collection	on detection and identification	on of biological warfare agents (B	WA) below the infective d	osage level.			
COST (\$ in Millions)	FY 2002	FY 2003	FY 2004	FY 2005				
Accomplishment/Effort Subtotal Cost	0.240	0.000	0.000	0.000				
RDT&E Articles Qty								
CBIRF: Research and development of a structu	ural triage technology capable of detecting	g hidden structural damage a	and identifying structrual hazards.					
COST (\$ in Millions)	FY 2002	FY 2003	FY 2004	FY 2005				
Accomplishment/Effort Subtotal Cost	0.949	1.000	0.000	0.000				
RDT&E Articles Qty								
CBIRF: Research and development of improv	ed respiratory protection.				<u></u>			
COST (\$ in Millions)	FY 2002	FY 2003	FY 2004	FY 2005				
Accomplishment/Effort Subtotal Cost	0.200	1.463	0.000	0.076				
RDT&E Articles Qty								
NANOTECH RESPONSES: Research of na	moparticle technology, specifically begin	evaluation and development	t of protocols for neutralization of	chem-bio agents.	<del></del>			
COST (\$ in Millions)	FY 2002	FY 2003	FY 2004	FY 2005				
Accomplishment/Effort Subtotal Cost	0.775	0.000	0.000	0.000				
RDT&E Articles Qty								
NANOTECH RESPONSES: Research of nar	noparticle technology, specifically begin e	evaluation and determine eff	ficacy with regard to remediation o	f contaminated rooms and	buildings.			
COST (\$ in Millions)	FY 2002	FY 2003	FY 2004	FY 2005				
Accomplishment/Effort Subtotal Cost	1.640	2.073	0.000	0.000				
RDT&E Articles Qty								
CB MSS/Analyzer Detector: Research and detoxins.	evelopment of a Multi-Sensor/Analyzer D	Detector (MSAD) and data-f	usion architecture for chem-bio ag	ents, toxic industrial chem	icals/materials (TIC/TIM)			
COST (\$ in Millions)	FY 2002	FY 2003	FY 2004	FY 2005				
Accomplishment/Effort Subtotal Cost	4.824	0.000	0.000	0.000				
RDT&E Articles Qty								
CMIS: Research and development of the Cons	sequence Management Interoperability Sy	estem (CMIS), including fiel	lding a "Fast Track" capability in re	esponse to the Sept. 11th,	2001 requirements.			
COST (\$ in Millions)	FY 2002	FY 2003	FY 2004	FY 2005				
Accomplishment/Effort Subtotal Cost	0.000	0.076	0.010	0.000				
RDT&E Articles Qty								
CBIRF: Research and development of a patien	1' 1011	•	•	•				

Exhibit R-2a, RDTE,N Project Justification (Exhibit R-2a, page 7 of 15)

	DATE: February 2003					
APPROPRIATION/BUDGET ACTIVITY	PROGRAM ELEMENT NUME	BER AND NAME	PROJECT NUMBER AND			
RDT&E, N /BA-6 Management Support	0605873M Marine Corps Pro	ogram Wide Support	C2330 Family of Incident	S)		
COST (\$ in Millions)	FY 2002	FY 2003	FY 2004	FY 2005		
Accomplishment/Effort Subtotal Cost	0.000	0.000	0.000	0.353		
RDT&E Articles Qty						
CBIRF: Development of field rugged Gas Chi	romatograph/Mass Spectrometer (GC/MS	S).				
COST (\$ in Millions)	FY 2002	FY 2003	FY 2004	FY 2005		
Accomplishment/Effort Subtotal Cost	0.000	0.000	0.000	0.653		
RDT&E Articles Qty						
CBIRF: Development of an improved mass ca	asualty decontamination system.					
COST (\$ in Millions)	FY 2002	FY 2003	FY 2004	FY 2005		
Accomplishment/Effort Subtotal Cost	0.000	3.415	0.000	0.000		
RDT&E Articles Qty						
CB Warfare: Development of chem/bio warfa	are agent chip detector.					
COST (\$ in Millions)	FY 2002	FY 2003	FY 2004	FY 2005		
	0.000	0.200	0.000	0.000		
Accomplishment/Effort Subtotal Cost	0.000	0.200	0.000	0.000		
RDT&E Articles Qty					16	
RDT&E Articles Qty  CBIRF: Development and user evaluation of a movement command and control, and mission p	a Personnel and Equipment Transport Ve planning.	hicle (PETV) for transportat	tion of incident response force and	equipment in a vehicle confi	gured for team inte	
RDT&E Articles Qty  CBIRF: Development and user evaluation of a movement command and control, and mission p  COST (\$ in Millions)	a Personnel and Equipment Transport Ve planning.  FY 2002	hicle (PETV) for transportat	tion of incident response force and	equipment in a vehicle confi	gured for team inte	
RDT&E Articles Qty  CBIRF: Development and user evaluation of a movement command and control, and mission p  COST (\$ in Millions)	a Personnel and Equipment Transport Ve planning.	hicle (PETV) for transportat	tion of incident response force and	equipment in a vehicle confi	gured for team inte	
RDT&E Articles Qty  CBIRF: Development and user evaluation of a movement command and control, and mission p  COST (\$ in Millions)  Accomplishment/Effort Subtotal Cost  RDT&E Articles Qty	a Personnel and Equipment Transport Ve planning. FY 2002 0.000	hicle (PETV) for transportat	tion of incident response force and	equipment in a vehicle confi	gured for team inte	
RDT&E Articles Qty  CBIRF: Development and user evaluation of a movement command and control, and mission p  COST (\$ in Millions)  Accomplishment/Effort Subtotal Cost	a Personnel and Equipment Transport Ve planning. FY 2002 0.000	hicle (PETV) for transportat	tion of incident response force and	equipment in a vehicle confi	gured for team inte	
RDT&E Articles Qty  CBIRF: Development and user evaluation of a movement command and control, and mission p  COST (\$ in Millions)  Accomplishment/Effort Subtotal Cost  RDT&E Articles Qty	a Personnel and Equipment Transport Ve planning. FY 2002 0.000	hicle (PETV) for transportat	tion of incident response force and	equipment in a vehicle confi	gured for team inte	
RDT&E Articles Qty  CBIRF: Development and user evaluation of a movement command and control, and mission p  COST (\$ in Millions)  Accomplishment/Effort Subtotal Cost  RDT&E Articles Qty  CBIRF: Development of Stand-Off Chemical	a Personnel and Equipment Transport Verblanning.  FY 2002  0.000  Agent Detector (SCAD).	hicle (PETV) for transportat  FY 2003  0.610	tion of incident response force and  FY 2004  0.000	equipment in a vehicle confi	gured for team inte	
RDT&E Articles Qty  CBIRF: Development and user evaluation of a movement command and control, and mission processing to the complex of the co	a Personnel and Equipment Transport Verblanning.  FY 2002  0.000  Agent Detector (SCAD).  FY 2002	FY 2003 FY 2003 FY 2003	FY 2004  FY 2004  FY 2004	equipment in a vehicle confi  FY 2005  0.000  FY 2005	gured for team inte	
RDT&E Articles Qty  CBIRF: Development and user evaluation of a movement command and control, and mission processing to the complex of the co	a Personnel and Equipment Transport Verblanning.  FY 2002  0.000  Agent Detector (SCAD).  FY 2002  0.000	FY 2003 FY 2003 FY 2003	FY 2004  FY 2004  FY 2004	equipment in a vehicle confi  FY 2005  0.000  FY 2005	gured for team inte	
RDT&E Articles Qty  CBIRF: Development and user evaluation of a movement command and control, and mission processing to the complex of the co	a Personnel and Equipment Transport Verblanning.  FY 2002  0.000  Agent Detector (SCAD).  FY 2002  0.000  ver Suit Prototype.	FY 2003  0.610  FY 2003  0.010	FY 2004 0.000  FY 2004 0.000	equipment in a vehicle confi  FY 2005  0.000  FY 2005  0.000	gured for team inte	
RDT&E Articles Qty  CBIRF: Development and user evaluation of a movement command and control, and mission processing to the complex of the co	a Personnel and Equipment Transport Verblanning.  FY 2002  0.000  Agent Detector (SCAD).  FY 2002  0.000  ve Suit Prototype.  FY 2002	FY 2003  O.610  FY 2003  O.010  FY 2003	FY 2004  FY 2004  0.000  FY 2004  0.000  FY 2004	equipment in a vehicle confi  FY 2005  0.000  FY 2005  0.000  FY 2005  FY 2005	gured for team inte	
RDT&E Articles Qty  CBIRF: Development and user evaluation of a movement command and control, and mission p  COST (\$ in Millions)  Accomplishment/Effort Subtotal Cost  RDT&E Articles Qty  CBIRF: Development of Stand-Off Chemical  COST (\$ in Millions)  Accomplishment/Effort Subtotal Cost  RDT&E Articles Qty  CBIRF: Development of a Radiation Protective COST (\$ in Millions)  Accomplishment/Effort Subtotal Cost	a Personnel and Equipment Transport Verblanning.  FY 2002  0.000  Agent Detector (SCAD).  FY 2002  0.000  ver Suit Prototype.	FY 2003  0.610  FY 2003  0.010	FY 2004 0.000  FY 2004 0.000	equipment in a vehicle confi  FY 2005  0.000  FY 2005  0.000	gured for team inte	
RDT&E Articles Qty  CBIRF: Development and user evaluation of a movement command and control, and mission p  COST (\$ in Millions)  Accomplishment/Effort Subtotal Cost  RDT&E Articles Qty  CBIRF: Development of Stand-Off Chemical  COST (\$ in Millions)  Accomplishment/Effort Subtotal Cost  RDT&E Articles Qty  CBIRF: Development of a Radiation Protective COST (\$ in Millions)  Accomplishment/Effort Subtotal Cost  RDT&E Articles Qty  CBIRF: Development of a Radiation Protective COST (\$ in Millions)  Accomplishment/Effort Subtotal Cost  RDT&E Articles Qty	a Personnel and Equipment Transport Verblanning.  FY 2002  0.000  Agent Detector (SCAD).  FY 2002  0.000  ve Suit Prototype.  FY 2002  0.000	FY 2003  O.610  FY 2003  O.010  FY 2003  O.010  FY 2003  O.694	FY 2004  0.000  FY 2004  0.000  FY 2004  0.000  FY 2004  0.000	equipment in a vehicle confi  FY 2005  0.000  FY 2005  0.000  FY 2005  FY 2005	gured for team inte	
RDT&E Articles Qty  CBIRF: Development and user evaluation of a movement command and control, and mission processing to the complex of the co	a Personnel and Equipment Transport Verblanning.  FY 2002  0.000  Agent Detector (SCAD).  FY 2002  0.000  ver Suit Prototype.  FY 2002  0.000  a/bio wearable protector capable of detector detector capable of detector capable o	FY 2003 0.610  FY 2003 0.010  FY 2003 0.694  on of chem/bio warfare agen	FY 2004 0.000  FY 2004 0.000  FY 2004 0.000  FY 2004 0.000  ats and toxic industrial chemicals.	equipment in a vehicle confi  FY 2005 0.000  FY 2005 0.000  FY 2005 0.000	gured for team inte	
RDT&E Articles Qty  CBIRF: Development and user evaluation of a movement command and control, and mission processing to the complete of the co	a Personnel and Equipment Transport Verblanning.  FY 2002  0.000  Agent Detector (SCAD).  FY 2002  0.000  ver Suit Prototype.  FY 2002  0.000  a/bio wearable protector capable of detetion FY 2002	FY 2003  O.610  FY 2003  O.010  FY 2003  O.694  On of chem/bio warfare agen FY 2003	FY 2004 0.000  TY 2004 0.000	equipment in a vehicle confi  FY 2005  0.000  FY 2005  0.000  FY 2005  0.000  FY 2005	gured for team inte	
RDT&E Articles Qty  CBIRF: Development and user evaluation of a movement command and control, and mission processing to the complex of the co	a Personnel and Equipment Transport Verblanning.  FY 2002  0.000  Agent Detector (SCAD).  FY 2002  0.000  ver Suit Prototype.  FY 2002  0.000  a/bio wearable protector capable of detector detector capable of detector capable o	FY 2003 0.610  FY 2003 0.010  FY 2003 0.694  on of chem/bio warfare agen	FY 2004 0.000  FY 2004 0.000  FY 2004 0.000  FY 2004 0.000  ats and toxic industrial chemicals.	equipment in a vehicle confi  FY 2005 0.000  FY 2005 0.000  FY 2005 0.000	gured for team inte	

EXHIBIT R-2a, R	EXHIBIT R-2a, RDT&E Project Justification				DATE:	F-h	
APPROPRIATION/BUDGET ACTIVITY	PROGRAM ELEI	PROGRAM ELEMENT NUMBER AND NAME			PROJECT NUMBER AND I	February 2003 NAME	
RDT&E, N /BA-6 Management Support	0605873M Marine Corps Program Wide Support			C2330 Family of Incident Response Systems (FIRS)			
0007 (0 : 14111)	F)/ 00/	20	F\/ 00/	20	F1/ 000 4	EV 0005	
COST (\$ in Millions)	FY 200		FY 200		FY 2004 <b>0.000</b>	FY 2005 <b>0.000</b>	
Accomplishment/Effort Subtotal Cost	0.000	,	0.488	•	0.000	0.000	
RDT&E Articles Qty  MC Research University: Conduct studies and and Logistics Community Training for Officers and Staff			nto Ground Equ	ipment Life (	L Cycle Management, 2/ Establish	ing Time Criteria for Logist	ics Tasks, and 3/ the
COST (\$ in Millions)	FY 200	)2	FY 200	03	FY 2004	FY 2005	
Accomplishment/Effort Subtotal Cost	0.000		0.976	6	0.000	0.000	
RDT&E Articles Qty							
Total		11.267		16.469	1.898	2.870	
(U) PROJECT CHANGE SUMMARY:	FY2002	FY2003	FY2004	FY2005			
(U) FY 2003 President's Budget:	11.371	0.933	0.981	1.760			
(U) Adjustments from the President's Budget:	0.021	0.280	0.092	0.100			
(U) Congressional/OSD Program Reductions	-0.031	-0.389	-0.083	-0.190			
(U) Congressional Rescissions		15.925					
(U) Congressional Increases	-0.073	13.923	1.000	1.300			
(U) Reprogrammings (U) SBIR/STTR Transfer	-0.073		1.000	1.300			
(U) Minor Affordability Adjustment							
(U) FY 2004 President's Budget:	11.267	16.469	1.898	2.870			
CHANGE SUMMARY EXPLANATION: (U) Funding: See Above. (U) Schedule: Not Applicable. (U) Technical: Not Applicable.							

EVUIDIT D 20 DD	TOE Drainet Juntifi	antion			DATE:					
EARIBIT K-Za, KD	EXHIBIT R-2a, RDT&E Project Justification				February 2003					
APPROPRIATION/BUDGET ACTIVITY	PROGRAM ELEMENT NUMBER AND NAME				PROJECT NUMBER AND NAME					
RDT&E, N /BA-6 Management Support	0605873M Marin	e Corps Prog	ram Wide Sup	port	C2330 Family	of Incident R	esponse Sys	tems (FIR	S)	
(U) C. OTHER PROGRAM FUNDING SUMMARY:  Line Item No. & Name	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY2008	FY2009	To Compl	Total Cost
(U) PMC Line (BLI# 652100) FIRS	0.000	0.000	3.447	4.243	4.732	5.847	8.187	11.949	Cont	Cont
Family of Incident Response Systems										
(U) Related RDT&E: Not Applicable.										
(U) D. ACQUISITION STRATEGY: Not Required.										
(U) E. MAJOR PERFORMERS: FY 02 Battelle Memorial Institute, Columbus, OH. Resear nanoparticle technology. Penn State University, PA - resear FY 03 Battelle Memorial Institute, Columbus, OH. Resear FY 04 Battelle Memorial Institute, Columbus, OH - researce FY 05 Battelle Memorial Institute, Columbus, OH - researce	rch and develop a and ch and development ch and development u	alzer for chem-b urban search an urban search and	oio agents. d rescue technol l rescue technolo	ogy. Penn Sta						
(U) D. SCHEDULE PROFILE: Not Applicable.										

EXHIBIT R-2a, RDT&E Project Justification				DATE:						
						February	2003			
APPROPRIATION/BUDGET ACTIVITY	PROGRAM	ELEMENT NU	MBER AND N	AME						
RDT&E, N /BA-6 Management Support	0605873M I	Marine Corps	Program Wid	e Support	C2930 Marine	e Corps Phas	e A Activities			
_									Cost to	Total
COST (\$ in Millions)	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	Complete	Program
Project Cost	0.949	2.451	6.246	8.283	9.371	10.441	10.813	11.155	Cont	Cont
RDT&E Articles Qty										

#### (U) A. MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION:

Pre-Phase A Activities fund assessment, survey, and planning activities in support of the requirements generation system to mature, limit, clarify and define requirements before competition for resources in the Program Object Memorandum (POM) process and transition to acquisition management. This effort will complement the currently funded Marine Corps Systems Command Phase A Activities line by providing funds to pursue a limited range of items on a priority basis, examining critical issues and alternatives. Examples of activities include but are not limited to (1) development of Operational Mode Summaries, Mission Profiles, Concepts of Employment and Acquisition Objectives, (2) mapping between legacy systems and replacements, (3) examining integration and family of systems architectural issues, (4) performing Doctrine, Organization, Training, Equipment, Support, Facilities (DOTESF) assessments and providing other key support for the Universal Need Statement (UNS) process, (5) base lining POM initiatives, (6) planning requirements support of evolutionary acquisition, (7) facilitating user/advocate interaction to better understand what is needed and how it will be used, and (8) supporting the Marine Requirements Oversight Council (MROC)-directed tailoring Council (MROC)-directed tailoring Authorized Acquisition Objective (AAO). Marine Corps Combat Development Command (MCCDC) averages approximately 62 UNS requests per year addressing new requirements, of which approximately 12% require expedited processing. Quick reaction assessment and planning is likely to support requirements emerging from current real world operations. Clear Facilities, a Command Element (CE) Army Research Laboratory (ARL) item (supported by the Marine Corps Ground Combat Element (GCE)) requiring a continuum of materiel solutions (family of systems) to enable lethal clearing of a broad range of man-made structures in multiple environments/tactical situations typifies a requirement needing pre-Phase A support. Supporting activities have center

MCSC Phase A Activities. Marine Corps Warfighting Lab (MCWL) warfighting experimentation or Science and Technology (S&T) activities.

Pre-phase A Activites would allow high priority requirements to move ahead in advance of funding decisions for specific programs, provide a better capability to react to emerging requirements, and improve the quality of initiatives brought to the POM process. Through front-end assessment, relatively modest funding can be leveraged into significant cost and schedule savings, bringing needed capabilities to the operating forces sooner and cheaper. Each POM cycle provides examples of initiatives that are unfunded or delayed by an immature requirement or understanding of alternatives. In other cases the initiative is funded but the acquisition cycle stretches out until the requirement is better understood.

Phase A Activities consist of a series of interrelated activities in Phase A (previously known as Phase 0) of the acquisition process designed to investigate potential material solutions to validate needs, estimate program costs, support sound business decisions, correct inherent disconnects between the Programming, Planning, Budgeting System (PPBS) cycle, the Combat Development and Acquisition Management Systems, and prevent undue delays in pursuing priority requirements. The process supports Commanding General (CG), MCCDC and Commander, Marine Corps Systems Command (COMMARCORSYSCOM) by providing funding to priority programs, thus allowing for the examination of concepts and alternatives to support an orderly transition from requirements to initiatives and initiatives to funded programs. This will permit the POM process to focus on activities of evaluating, prioritizing and integrating rather than defining and resolving raw, immature requirements. Phase A activities literally "jump start" high priority programs of the acquisition process. Furthermore, since 70% of a program's life cycle cost is determined during Phase A, this initiative will put resources to work where the return on investment (payoff) is the greatest. Typical studies conducted with Ph

Analysis (BCA), Cost as an Independent Variable (CAIV) analysis, Life Cycle Cost Estimates, Cost Comparison Analysis, Acquisition Strategies, Trade-off Analysis in lieu of an Analysis of Alternatives. Also a recent initiative to have MARCORSYSCOM develop a BCA to help MCCDC frame the requirement in terms of a commercial-off-the-shelf (COTS) solution will increase utilization of the funds.

EXHIBIT R-2a, RDT&	E Project Justification	DATE:
		February 2003
APPROPRIATION/BUDGET ACTIVITY	PROGRAM ELEMENT NUMBER AND NAME	
RDT&E, N /BA-6 Management Support	0605873M Marine Corps Program Wide Support	C2930 Marine Corps Phase A Activities

The MAGTF Expeditionary Family of Fighting Vehicles (MEFFV) Project will field a successor to the Marine Corps' current M1A1 Common Main Battle Tank (MBT) and the Light Armored Vehicle (LAV) Family of Vehicles (FOV). The MEFFV will provide ground combat elements (GCE) of the Marine Air Ground Task Force (MAGTF) a principle means of operational and tactical maneuver/mobility. The vehicle family will be designed specifically to complement the Advanced Amphibious Assault Vehicle (AAAV) and MV-22 aircraft in providing the capability needs of combat operations ashore within the Navy and Marine Corps capstone operational concepts of Forward From the Sea and Expeditionary Maneuver Warfare. The MEFFV will provide the MAGTF with the capability to execute combat, combat support and select combat service support within the full spectrum of military missions from humanitarian operations to conventional conflict. The project intends to leverage key technologies in combat vehicle development to develop a family of systems, replacing the two current systems as they reach End of Service life in 2015 and 2020 respectively. The MEFFV family of systems will provide the capabilities necessary to provide warfighting Combatant Commanders the early entry forces nee

program is a high priority ground system acquisition initiative. To satisfy the requirements of the 21st Century Marine Warfighters, the MEFFV Project w

specifications preparation of life-cycle estimates leading to a Milestone B decision in 2012.

#### (U) ACCOMPLISHMENTS/PLANNED PROGRAM:

COST (\$ in Millions)	FY 2002	FY 2003	FY 2004	FY 2005
Accomplishment/Effort Subtotal Cost	0.949	2.451	2.488	2.538
RDT&E Articles Qty				

Initiate and complete high priority Milestone 0/Phase 0 activities for Market Surveys and associated Business Case Analysis for the following programs: Audiovisual Investment Equipment, Portable Integrated System Monitor, M1A1 Munitions Countermeasures,

COST (\$ in Millions)	FY 2002	FY 2003	FY 2004	FY 2005
Accomplishment/Effort Subtotal Cost	0.000	0.000	1.265	0.000
RDT&E Articles Qty				

Provides for the conduct of high priority Pre-Phase A Activities for Clear Facilities Ground Weapons Locating Radar, PROFILER Meterological Measuring Set, Thermobaric Weapon, Reconnaissance Surveillance Target Acquisition, Squad Advanced Marksman, Rifle

EXHIBIT R-2a, F	RDT&E Project Justification		DATE:		
	•			February 2003	
APPROPRIATION/BUDGET ACTIVITY	PROGRAM ELEMENT NU	MBER AND NAME			
RDT&E, N /BA-6 Management Support	0605873M Marine Corps	Program Wide Support	C2930 Marine Corps Phas	se A Activities	
COST (\$ in Millions)	FY 2002	FY 2003	FY 2004	FY 2005	
Accomplishment/Effort Subtotal Cost	0.000	0.000	0.250	0.350	
RDT&E Articles Qty					
Force Design Trades: Survey and derive roles o	f MAGTF mounted units in future ser	vice and Joint operational co	ncepts. Initiate a Mounted MA	GTF Concept Study and M	lission Area Analysis fo

Force Design Trades: Survey and derive roles of MAGTF mounted units in future service and Joint operational concepts. Initiate a Mounted MAGTF Concept Study and Mission Area Analysis for Mounted MAGTF Operations. Begin deriving alternative MEFFV missio

COST (\$ in Millions)	FY 2002	FY 2003	FY 2004	FY 2005
Accomplishment/Effort Subtotal Cost	0.000	0.000	0.300	0.600
RDT&E Articles Qty				

Lethality: Populate baseline capability performance needs and constraints with capability architecture database. Assess lethality system opportunities to identify their salient characteristics. Determine the target set for MEFFV. Assess target acquisit

COST (\$ in Millions)	FY 2002	FY 2003	FY 2004	FY 2005
Accomplishment/Effort Subtotal Cost	0.000	0.000	0.543	0.660
RDT&E Articles Qty				

Propulsion/Tactical Mobility: Work on propulsion/mobility roadmap (emphasis on expeditionary). Assess design architecture with higher component commonalities and assess Future Combat Systems (FCS). Monitor Electric Warship/Reconnaissance, Surveillance,

COST (\$ in Millions)	FY 2002	FY 2003	FY 2004	FY 2005
Accomplishment/Effort Subtotal Cost	0.000	0.000	0.200	0.250
RDT&E Articles Qty				

Survivability (Active): Assess FCS active protection technologies for future exploitation. Correlate DOD technologies to MEFFV concepts, active survivability objective roadmap. Explore active survivability initiatives through Service and joint games an

COST (\$ in Millions)	FY 2002	FY 2003	FY 2004	FY 2005
Accomplishment/Effort Subtotal Cost	0.000	0.000	0.350	0.600
RDT&E Articles Qty				

Survivability (Passive): Conduct assessment of new technology base/appliqué armor materials versus emergent threat munitions. The assessment will also investigate embedded sensor technology development/ballistic protection versus signature management in

COST (\$ in Millions)	FY 2002	FY 2003	FY 2004	FY 2005
Accomplishment/Effort Subtotal Cost	0.000	0.000	0.400	0.750
RDT&E Articles Qty				

System Integration: Establish capability (functional) architecture database. Develop modeling and simulations approach, determine feasibility of Simulation Based Acquisition. Draft Modeling and Simulation (M&S) Roadmap. Identify family of vehicles ar

APPROPRIATION/BUDGET ACTIVITY  RDT&E, N /BA-6 Management Support  COST (\$ in Millions)	0605873M Ma	_	BER AND NAME	<u> </u>		February 2003	
RDT&E, N /BA-6 Management Support	0605873M Ma	_		:			
		0605873M Marine Corps Program Wide Support					
COST (\$ in Millions)				pport C	2930 Marine Corps Pha		
	FY 20		FY 2003		FY 2004	FY 2005	
Accomplishment/Effort Subtotal Cost	0.000	0	0.000		0.050	0.050	
RDT&E Articles Qty							
C4ISR: Map C4ISR capability and needs to Nava through Service and joint games experiment.	al and joint C4ISR plan	s. Correlate SP.	AWAR/DARPA t	echnologies	and issues to MEFFV conc	cepts. Explore C4ISR initia	atives within MEFFV co
COST (\$ in Millions)	FY 20	02	FY 2003		FY 2004	FY 2005	
Accomplishment/Effort Subtotal Cost	0.000	)	0.000		0.400	0.600	
RDT&E Articles Qty							
Office and Analysis Team: Fund analysis team to Assistance (SETA))/contractor support. Project C	Office trave	•		ve integration			Engineering and Technic
COST (\$ in Millions)	FY 20	02	FY 2003		FY 2004	FY 2005	
				1			
Accomplishment/Effort Subtotal Cost	0.000		0.000		0.000	1.885	
Accomplishment/Effort Subtotal Cost RDT&E Articles Qty Provides for the conduct of high priority Pre-Phas Weapon System (Analysis of Alternative/Op Mod	0.000 be A Activities for Reco	D		equisition,			, Follow-On Shoulder La
Accomplishment/Effort Subtotal Cost  RDT&E Articles Qty  Provides for the conduct of high priority Pre-Phas Weapon System (Analysis of Alternative/Op Mod  (U) Total \$	e A Activities for Reco	D	veillance Target A	cquisition,	Joint Tactical Radio System	, Assault Breacher Vehicle	, Follow-On Shoulder La
Accomplishment/Effort Subtotal Cost  RDT&E Articles Qty  Provides for the conduct of high priority Pre-Phas  Weapon System (Analysis of Alternative/Op Mod  (U) Total \$	e A Activities for Reco	D	veillance Target A	cquisition, .	Joint Tactical Radio System	, Assault Breacher Vehicle	, Follow-On Shoulder La
Accomplishment/Effort Subtotal Cost  RDT&E Articles Qty  Provides for the conduct of high priority Pre-Phas Weapon System (Analysis of Alternative/Op Mod  (U) Total \$  (U) PROJECT CHANGE SUMMARY:	e A Activities for Reco e Summary/	onnaissance Surv	veillance Target A		Joint Tactical Radio System	, Assault Breacher Vehicle	, Follow-On Shoulder La
Accomplishment/Effort Subtotal Cost RDT&E Articles Qty Provides for the conduct of high priority Pre-Phas Weapon System (Analysis of Alternative/Op Mod  (U) Total \$  (U) PROJECT CHANGE SUMMARY:  (U) FY 2003 President's Budget:	e A Activities for Recorde Summary/  0.949  FY2002	onnaissance Surv	veillance Target A 2.451  FY2004	FY2005	Joint Tactical Radio System	, Assault Breacher Vehicle	, Follow-On Shoulder La
Accomplishment/Effort Subtotal Cost RDT&E Articles Qty Provides for the conduct of high priority Pre-Phas Weapon System (Analysis of Alternative/Op Mod  (U) Total \$  (U) PROJECT CHANGE SUMMARY:  (U) FY 2003 President's Budget:  (U) Adjustments from the President's Budget:	0.000 De A Activities for Record De Summary/  0.949  FY2002 0.962	onnaissance Surv	veillance Target A 2.451  FY2004	FY2005	Joint Tactical Radio System	, Assault Breacher Vehicle	, Follow-On Shoulder La
Accomplishment/Effort Subtotal Cost  RDT&E Articles Qty  Provides for the conduct of high priority Pre-Phas Weapon System (Analysis of Alternative/Op Mod  (U) Total \$  (U) PROJECT CHANGE SUMMARY:  (U) FY 2003 President's Budget:	0.000 De A Activities for Record De Summary/  0.949  FY2002 0.962	onnaissance Surv <u>FY2003</u> 2.510	veillance Target A 2.451 <u>FY2004</u> 2.568	FY2005 2.622	Joint Tactical Radio System	, Assault Breacher Vehicle	, Follow-On Shoulder La
Accomplishment/Effort Subtotal Cost RDT&E Articles Qty Provides for the conduct of high priority Pre-Phas Weapon System (Analysis of Alternative/Op Mod  (U) Total \$ (U) PROJECT CHANGE SUMMARY:  (U) FY 2003 President's Budget: (U) Adjustments from the President's Budget: (U) Congressional/OSD Program Reductions	0.000 De A Activities for Record De Summary/  0.949  FY2002 0.962	onnaissance Surv <u>FY2003</u> 2.510	veillance Target A 2.451 <u>FY2004</u> 2.568	FY2005 2.622	Joint Tactical Radio System	, Assault Breacher Vehicle	, Follow-On Shoulder La
Accomplishment/Effort Subtotal Cost RDT&E Articles Qty Provides for the conduct of high priority Pre-Phas Weapon System (Analysis of Alternative/Op Mod  (U) Total \$  (U) PROJECT CHANGE SUMMARY:  (U) FY 2003 President's Budget:  (U) Adjustments from the President's Budget:  (U) Congressional/OSD Program Reductions  (U) Congressional Rescissions  (U) Congressional Increases	0.000 De A Activities for Record De Summary/  0.949  FY2002 0.962	onnaissance Surv <u>FY2003</u> 2.510	veillance Target A 2.451 <u>FY2004</u> 2.568	FY2005 2.622	Joint Tactical Radio System	, Assault Breacher Vehicle	, Follow-On Shoulder La
Accomplishment/Effort Subtotal Cost RDT&E Articles Qty Provides for the conduct of high priority Pre-Phas Weapon System (Analysis of Alternative/Op Mod  (U) Total \$  (U) PROJECT CHANGE SUMMARY:  (U) FY 2003 President's Budget:  (U) Adjustments from the President's Budget:  (U) Congressional/OSD Program Reductions (U) Congressional Rescissions (U) Congressional Increases (U) Reprogrammings	0.000  e A Activities for Record e Summary/  0.949  FY2002 0.962  -0.003	onnaissance Surv <u>FY2003</u> 2.510	2.451  FY2004 2.568 -0.201	FY2005 2.622 -0.289	Joint Tactical Radio System	, Assault Breacher Vehicle	, Follow-On Shoulder La
Accomplishment/Effort Subtotal Cost RDT&E Articles Qty Provides for the conduct of high priority Pre-Phas Weapon System (Analysis of Alternative/Op Mod  (U) Total \$  (U) PROJECT CHANGE SUMMARY:  (U) FY 2003 President's Budget:  (U) Adjustments from the President's Budget:  (U) Congressional/OSD Program Reductions (U) Congressional Rescissions (U) Congressional Increases (U) Reprogrammings (U) SBIR/STTR Transfer	0.000  De A Activities for Record E Summary/  0.949  FY2002 0.962  0.003	onnaissance Surv <u>FY2003</u> 2.510	2.451  FY2004 2.568 -0.201	FY2005 2.622 -0.289	Joint Tactical Radio System	, Assault Breacher Vehicle	, Follow-On Shoulder La
Accomplishment/Effort Subtotal Cost RDT&E Articles Qty Provides for the conduct of high priority Pre-Phas	e A Activities for Reco	D	veillance Target A	equisition,	Joint Tactical Radio System	, Assault Breacher Vehicle	, Follow
chment/Effort Subtotal Cost rticles Qty les for the conduct of high priority Pre-Phas on System (Analysis of Alternative/Op Mod  ECT CHANGE SUMMARY:  103 President's Budget: tments from the President's Budget:	0.000 De A Activities for Record De Summary/  0.949  FY2002 0.962	onnaissance Surv <u>FY2003</u> 2.510	veillance Target A 2.451 <u>FY2004</u> 2.568	FY2005 2.622	Joint Tactical Radio System	, Assault Breacher Vehicle	, Follow-On Shoulder La
complishment/Effort Subtotal Cost T&E Articles Qty Provides for the conduct of high priority Pre-Phas Weapon System (Analysis of Alternative/Op Mod Total \$  PROJECT CHANGE SUMMARY:  ) FY 2003 President's Budget: (U) Congressional/OSD Program Reductions (U) Congressional Rescissions	0.000 e A Activities for Record e Summary/  0.949  FY2002 0.962	onnaissance Surv <u>FY2003</u> 2.510	veillance Target A 2.451 <u>FY2004</u> 2.568	FY2005 2.622	Joint Tactical Radio System	, Assault Breacher Vehicle	, Follow-On Shoulder La
Accomplishment/Effort Subtotal Cost RDT&E Articles Qty Provides for the conduct of high priority Pre-Phas Weapon System (Analysis of Alternative/Op Mod U) Total \$ U) PROJECT CHANGE SUMMARY: (U) FY 2003 President's Budget: (U) Adjustments from the President's Budget: (U) Congressional/OSD Program Reductions (U) Congressional Rescissions	0.000 e A Activities for Record e Summary/  0.949  FY2002 0.962	onnaissance Surv <u>FY2003</u> 2.510	veillance Target A 2.451 <u>FY2004</u> 2.568	FY2005 2.622	Joint Tactical Radio System	, Assault Breacher Vehicle	, Follow-On Shoulder La
Accomplishment/Effort Subtotal Cost RDT&E Articles Qty Provides for the conduct of high priority Pre-Phas Weapon System (Analysis of Alternative/Op Mod U) Total \$ U) PROJECT CHANGE SUMMARY: (U) FY 2003 President's Budget: (U) Adjustments from the President's Budget: (U) Congressional/OSD Program Reductions (U) Congressional Rescissions (U) Congressional Increases	0.000  e A Activities for Record e Summary/  0.949  FY2002 0.962  -0.003	onnaissance Surv <u>FY2003</u> 2.510	2.451  FY2004 2.568 -0.201	FY2005 2.622 -0.289	Joint Tactical Radio System	, Assault Breacher Vehicle	, Follow-On Shoulder La
Accomplishment/Effort Subtotal Cost RDT&E Articles Qty Provides for the conduct of high priority Pre-Phas Weapon System (Analysis of Alternative/Op Mod U) Total \$ U) PROJECT CHANGE SUMMARY: (U) FY 2003 President's Budget: (U) Adjustments from the President's Budget: (U) Congressional/OSD Program Reductions (U) Congressional Rescissions (U) Congressional Increases	0.000  e A Activities for Record e Summary/  0.949  FY2002 0.962  -0.003	onnaissance Surv <u>FY2003</u> 2.510	2.451  FY2004 2.568 -0.201	FY2005 2.622 -0.289	Joint Tactical Radio System	, Assault Breacher Vehicle	, Follow-On Shoulder La
Accomplishment/Effort Subtotal Cost RDT&E Articles Qty Provides for the conduct of high priority Pre-Phas Weapon System (Analysis of Alternative/Op Mod U) Total \$ U) PROJECT CHANGE SUMMARY: (U) FY 2003 President's Budget: (U) Adjustments from the President's Budget: (U) Congressional/OSD Program Reductions (U) Congressional Rescissions (U) Congressional Increases (U) Reprogrammings	0.000  De A Activities for Record E Summary/  0.949  FY2002 0.962  0.003	onnaissance Surv <u>FY2003</u> 2.510	2.451  FY2004 2.568 -0.201	FY2005 2.622 -0.289	Joint Tactical Radio System	, Assault Breacher Vehicle	, Follow-On Shoulder La
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EXHIBIT R-2a, R	DT&E Project Justification	DATE:
		February 2003
APPROPRIATION/BUDGET ACTIVITY	PROGRAM ELEMENT NUMBER AND NAME	
RDT&E, N /BA-6 Management Support	0605873M Marine Corps Program Wide Support	C2930 Marine Corps Phase A Activities
(U) C. OTHER PROGRAM FUNDING SUMMAR	Y: Not Applicable	
(U) Related RDT&E: Not Applicable.		
(U) D. ACQUISITION STRATEGY: Not Requir	ed	
(U) E. MAJOR PERFORMERS:		
FY 04-05 Expeditionary Force Development Cen	ter, Quantico, VA - Develop Mission Area Analysis and Sup	porting Documents - Projected 11/03; 11/04
FY 04-05 Marine Corps Warfighting Lab (MCWL)	, Quantico, VA - Service and Joint Warfighting Gaming and	Experimentation Projected 11/03; 11/04
FY 04-05 Others TBD - Candidate agencies inclu	ide NSWC Dahlgren, VA, NSWC Carderock, MD, Army Re	search Lab, Tank Automotive Research, Development and
Engineering Center.		
	tute for Advanced Technology (IAT), Austin, TX ect, Proje VA - Study Analysis, business Case Study, CAIV Analysis a	ected 02/04; 02/05 and Life Cycle Cost Estimates - Award dates: Various throughout the FY.
FY03-05 Major Performers to be determined base		
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(U) D. SCHEDULE PROFILE: Not Applicable.		