EXHIBIT R-2, RDT&E Budget Item Justification			DATE: FEBRUARY 20	08						
					R-1 ITEM NOMENCLATURE 0603611M Marine Corps Assault Vehicles					
COST (\$in Millions)	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013			
TOTAL Program Element (PE)	314.935	247.207	316.052	236.874	199.284	139.130	88.000			
B0020 EXPEDITIONARY FIGHTING VEHICLE (EFV)	309.205	247.207	316.052	236.874	199.284	139.130	88.000			
C9999 Congressional Adds	5.730	0.000	0.000	0.000	0.000	0.000	0.000			
Quantity of RDT&E Articles		7								

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

This PE supports the demonstration and validation of Marine Corps Assault Vehicles for utilization in Marine Air Group Task Force (MAGTF) amphibious operations.

This program is funded under DEMONSTRATION & VALIDATION because it develops and integrates essential Command, Control, Communications, Computers and Intelligence (C4I) functions for the MAGTF during both ship-to-objective maneuvers and sustained combat operations ashore as part of the Navy and Marine Corps concepts within the Expeditionary Maneuver Warfare (EMW) capstone.

B. PROGRAM CHANGE SUMMARY

(U) FY 2009 President's Budget:	314.935	247.207	316.052
(U) SBIR/STTR Transfer	-8.885	-4.323	
(U) Reprogrammings			
(U) FY09 Program Review			
(U) Congressional Increases			
(U) Congressional Undistributed Reductions/Rescission	ns	-1.690	
(U) Congressional Rescissions	-24.000		
(U) Congressional Program Reductions		-35.000	
(U) Adjustments from the President's Budget:			
(U) FY 2008 President's Budget:	347.820	288.220	316.052
	FY2007	FY2008	FY2009

CHANGE SUMMARY EXPLANATION:

(U) Funding: See Above.(U) Schedule: N/A(U) Technical: N/A

	_								
EXHIBIT R-2a, RDT	&E Project .	Justification					DATE:		
								FEBRUARY 2	2008
APPROPRIATION/BUDGET ACTIVITY PROGRAM ELEMENT NUMBER AND NAM PROJECT NUMBER A						ND NAME:	;		
RDT&E, N /BA-4 Advanced Component Dev. and Prototypes	0603611M N	Marine Corps	Assault Veh	icles	B0020 Adva	nced Amphi	bious Assaul	t Vehicle (AAA	.V)
							Cost to	Total	
COST (\$ in Millions)	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	Complete	Program
TOTAL Program Element (PE)	314.935	247.207	316.052	236.874	199.284	139.130	88.000	Cont	Cont
B0020 EXPEDITIONARY FIGHTING VEHICLE (EFV)	309.205	247.207	316.052	236.874	199.284	139.130	88.000	Cont	Cont
9A05N AN/UXC-10 Digital Facsimile Upgrade for EFV	2.816								
9A06N Intelligent Machining of Advanced Defense Material	2.914								
RDT&E Article Quantities		7							

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

The Expeditionary Fighting Vehicle (EFV) Program will field a successor to the Marine Corps' current amphibious vehicle, the Assault Amphibious Vehicle Model 7A1 (AAV7A1). The EFV will provide the principal means of tactical surface mobility for the Marine Air Group Task Force (MAGTF) during both ship-to-objective maneuvers and sustained combat operations ashore. The EFV will provide the Marine Corps with the capability to execute the full spectrum of military missions from humanitarian operations to conventional combat operations. The EFV replaces the AAV7A1 Vehicle, which was originally fielded in the early 1970s. The EFV is a self-deploying, high-water speed, amphibious, armored, tracked vehicle capable of operating in all weather as well as Nuclear, Biological, and Chemical (NBC) environments.

The EFV program is a ACAT-1D program managed by the Marine Corps. The EFV is the next generation of Marine Corps Assault Vehicles being developed to satisfy the requirements of the 21st Century Marine War Fighters. Along with the Landing Craft Air Cushion (LCAC) and the MV-22 Osprey, the EFV will provide the Marine Corps with the tactical mobility assets required within the Expeditionary Maneuver Warfare capstone. Acquisition of the EFV is critical to the Marine Corps. The total EFV requirement is for 573 weapon systems.

The program received approval to enter the System Development and Demonstration (SDD) Phase of the acquisition process during the Milestone II Defense Acquisition Board Readiness Meeting held on 26 November 2000. All program exit criteria were successfully met or exceeded. The initial SDD Phase (2001 through 2008) will include validation of manufacturing and production processes, fabrication and testing of SDD vehicles, and finalizing and implementing the Life Cycle Management for EFV. A follow-on SDD Phase beginning in FY 2008 will include continued design, development, and reliability upgrades; increased RAM testing; modification of exisiting SDD prototypes; and manufacture and testing of up to seven additional SDD prototype vehicles.

(U) B. ACCOMPLISHMENTS/PLANNED PROGRAM:

COST (\$ in Millions)	FY2007	FY2008	FY2009
Accomplishment/Effort Subtotal Cost	257.869	181.535	253.867
RDT&E Articles Qty		7	

(U) Design development, developmental testing, operational testing, and survivability program.

FY07: Continue engineering and logistics efforts to support design, development, testing, manufacturing planning, and design enhancements of the EFV(P) and EFV(C) designs. Continue the EFV survivability program. Continue Developmental Testing (DT) and Reliability/Availability/Maintainability (RAM) testing and support. Review and analyze results from initial operational assessment period; design, integration and testing of MS-C OA identified modifications. Continue development of Integrated Electronic Technical Manuals (IETMs). Commenced Design For Reliability following the systems engineering process. Design and development of reliability enhancements, subsystem design modifications, and perform modification of existing vehicles integrating reliability design changes. Procure test spares. Perform Highly Accelerated Life Testing (HALT) on vehicle components.

AN/UXC -10 Digital Facsimile Upgrade for EFV and Intelligent Machining of Advance Defense Material efforts.

FY08: Continue engineering and logistics efforts to support design development, manufacturing planning, and design enhancements of the EFV(P) and EFV(C) designs. Continue the EFV survivability program. Continue developmental and reliability test support, and design, integration and testing of MS-C OA identified modifications. Continue development of Integrated Electronic Technical Manuals (IETMs). Continue Developmental Testing (DT) and Reliability/Availability/Maintainability (RAM) testing. Complete Design For Reliability following the systems engineering process. Continue design and development of follow-on reliability enhancements, subsystem design modifications, and modification of existing vehicles integrating reliability design changes. Procure test spares. Begin manufacture of new SDD prototypes. Continue modification of existing SDD vehicles.

	UNCLASSIFIED			
EXHIBIT R	-2a, RDT&E Project Justification		DATE:	2000
APPROPRIATION/BUDGET ACTIVITY	PROGRAM ELEMENT NUMBER AND	NAMBROIECT		FEBRUARY 2008
RDT&E, N /BA-4 Advanced Component Dev. and Prototypes	0603611M Marine Corps Assault Vehicles		anced Amphibious Assault \	/ehicle (AAAV)
FY09: Continue engineering and logistics efforts to support design				
survivability program. Continue developmental and reliability to				
Electronic Technical Manuals (IETMs). Continue Development				
reliability enhancements, subsystem design modifications, and m		design changes. Pro	ocure test spares. Continue o	design, development and
manufacture of new SDD prototypes. Continue modification of	1		<u> </u>	
COST (\$ in Millio	ns)	FY2007	FY2008	FY2009
Accomplishment/Effort Subtotal Cost		13.787	15.462	16.907
RDT&E Articles Qty				
(U) Perform developmental testing, operational testing, and RA	M-D testing.			
FY07: Continue to perform developmental/operational testing a	nd RAM-D testing, conduct Cold Weather OA.			
FY08: Continue to perform developmental/operational testing a	nd RAM-D testing.			
FY09: Continue to perform developmental/operational testing a	nd RAM-D testing.			
COST (\$ in Millio	ns)	FY2007	FY2008	FY2009
Accomplishment/Effort Subtotal Cost		3.634	7.106	7.490
RDT&E Articles Qty				
(U) Provide program support for Training Development, Techni	i I DLii di J IETMO			
(b) Provide program support for Training Development, Teening	ical Publications and IETMS.			
FY07: EFV training courseware, technical publications and IET	MS.	development of tra	ining systems courseware.	
FY07: EFV training courseware, technical publications and IET FY08: Continue to provide program support for training system.	MS. s development and technical publications and IETMS;	•	0 ,	
FY07: EFV training courseware, technical publications and IET FY08: Continue to provide program support for training system: FY09: Continue to provide program support for training system:	MS. s development and technical publications and IETMS; s development and technical publications and IETMS;	development of tra	ining systems courseware.	FY2009
FY07: EFV training courseware, technical publications and IET FY08: Continue to provide program support for training system: FY09: Continue to provide program support for training system: COST (\$ in Millio	MS. s development and technical publications and IETMS; s development and technical publications and IETMS;	development of tra FY2007	ining systems courseware. FY2008	FY2009
FY07: EFV training courseware, technical publications and IET FY08: Continue to provide program support for training system: FY09: Continue to provide program support for training system:	MS. s development and technical publications and IETMS; s development and technical publications and IETMS;	development of tra	ining systems courseware.	FY2009 16.234
FY07: EFV training courseware, technical publications and IET FY08: Continue to provide program support for training system: FY09: Continue to provide program support for training system: COST (\$ in Millio Accomplishment/Effort Subtotal Cost RDT&E Articles Qty	MS. s development and technical publications and IETMS; s development and technical publications and IETMS; ns)	development of tra FY2007 15.696	FY2008 21.046	
FY07: EFV training courseware, technical publications and IET FY08: Continue to provide program support for training systems FY09: Continue to provide program support for training systems COST (\$ in Millio Accomplishment/Effort Subtotal Cost RDT&E Articles Qty	MS. s development and technical publications and IETMS; s development and technical publications and IETMS; ns)	development of tra FY2007 15.696	FY2008 21.046	
FY07: EFV training courseware, technical publications and IET FY08: Continue to provide program support for training systems FY09: Continue to provide program support for training systems COST (\$ in Millio Accomplishment/Effort Subtotal Cost RDT&E Articles Qty	MS. s development and technical publications and IETMS; s development and technical publications and IETMS; ns) ering and management support for program planning, a	development of tra FY2007 15.696	FY2008 21.046	
FY07: EFV training courseware, technical publications and IET FY08: Continue to provide program support for training systems FY09: Continue to provide program support for training systems COST (\$ in Millio Accomplishment/Effort Subtotal Cost RDT&E Articles Qty FY07 - FY09: Continue to provide contractor technical, enginee COST (\$ in Millio	MS. s development and technical publications and IETMS; s development and technical publications and IETMS; ns) ering and management support for program planning, a	development of tra FY2007 15.696 analysis and execution	FY2008 21.046	16.234
FY07: EFV training courseware, technical publications and IET FY08: Continue to provide program support for training system: FY09: Continue to provide program support for training system: COST (\$ in Millio Accomplishment/Effort Subtotal Cost RDT&E Articles Qty FY07 - FY09: Continue to provide contractor technical, enginee COST (\$ in Millio Accomplishment/Effort Subtotal Cost	MS. s development and technical publications and IETMS; s development and technical publications and IETMS; ns) ering and management support for program planning, a	development of tra FY2007 15.696 analysis and execution FY2007	### FY2008	16.234 FY2009
FY07: EFV training courseware, technical publications and IET FY08: Continue to provide program support for training system: FY09: Continue to provide program support for training system: COST (\$ in Millio Accomplishment/Effort Subtotal Cost RDT&E Articles Qty FY07 - FY09: Continue to provide contractor technical, enginee COST (\$ in Millio Accomplishment/Effort Subtotal Cost RDT&E Articles Qty	MS. s development and technical publications and IETMS; s development and technical publications and IETMS; ins) ering and management support for program planning, a	development of tra FY2007 15.696 analysis and execution FY2007 23.949	### FY2008	16.234 FY2009 21.554
FY07: EFV training courseware, technical publications and IET FY08: Continue to provide program support for training system: FY09: Continue to provide program support for training system: COST (\$ in Millio Accomplishment/Effort Subtotal Cost RDT&E Articles Qty FY07 - FY09: Continue to provide contractor technical, enginee COST (\$ in Millio Accomplishment/Effort Subtotal Cost RDT&E Articles Qty FY07: Continue to provide In-House technical engineering and	MS. s development and technical publications and IETMS; s development and technical publications and IETMS; s development and technical publications and IETMS; uns) ering and management support for program planning, a uns) integrated logistics support for program planning, ana	development of tra FY2007 15.696 analysis and execution FY2007 23.949	### FY2008	16.234 FY2009 21.554
FY07: EFV training courseware, technical publications and IET FY08: Continue to provide program support for training system: FY09: Continue to provide program support for training system: COST (\$ in Millio Accomplishment/Effort Subtotal Cost RDT&E Articles Qty FY07 - FY09: Continue to provide contractor technical, enginee COST (\$ in Millio Accomplishment/Effort Subtotal Cost RDT&E Articles Qty FY07: Continue to provide In-House technical engineering and Perform in-house software design, development, and analysis eff FY08/09: Continue to provide In-House technical engineering a	MS. s development and technical publications and IETMS; s development and technical publications and IETMS; s development and technical publications and IETMS; uns) ering and management support for program planning, a uns) integrated logistics support for program planning, anal forts. und integrated logistics support for program planning, a	development of tra FY2007 15.696 analysis and execution FY2007 23.949 lysis and execution.	FY2008 21.046 on. FY2008 22.058 Procure ammunition in supp	FY2009 21.554 port of the EFV test progr
FY07: EFV training courseware, technical publications and IET FY08: Continue to provide program support for training system: FY09: Continue to provide program support for training system: COST (\$ in Millio Accomplishment/Effort Subtotal Cost RDT&E Articles Qty FY07 - FY09: Continue to provide contractor technical, enginee COST (\$ in Millio Accomplishment/Effort Subtotal Cost RDT&E Articles Qty FY07: Continue to provide In-House technical engineering and Perform in-house software design, development, and analysis eff FY08/09: Continue to provide In-House technical engineering a	MS. s development and technical publications and IETMS; s development and technical publications and IETMS; s development and technical publications and IETMS; uns) ering and management support for program planning, a uns) integrated logistics support for program planning, anal forts. und integrated logistics support for program planning, a	development of tra FY2007 15.696 analysis and execution FY2007 23.949 lysis and execution.	FY2008 21.046 on. FY2008 22.058 Procure ammunition in supp	FY2009 21.554 port of the EFV test progr
FY07: EFV training courseware, technical publications and IET FY08: Continue to provide program support for training system: FY09: Continue to provide program support for training system: COST (\$ in Millio Accomplishment/Effort Subtotal Cost RDT&E Articles Qty FY07 - FY09: Continue to provide contractor technical, enginee	MS. s development and technical publications and IETMS; s development and technical publications and IETMS; s development and technical publications and IETMS; uns) ering and management support for program planning, a uns) integrated logistics support for program planning, anal forts. und integrated logistics support for program planning, a	development of tra FY2007 15.696 analysis and execution FY2007 23.949 lysis and execution.	FY2008 21.046 on. FY2008 22.058 Procure ammunition in supp	FY2009 21.554 port of the EFV test progra

	EXHIBIT R-2a, RDT&E Project Justification					
	FEBRUARY 2008					
APPROPRIATION/BUDGET ACTIVITY	PROGRAM ELEMENT NUMBER AND NA					
RDT&E, N /BA-4 Advanced Component Dev. and Prototypes	0603611M Marine Corps Assault Vehicles	B0020 Advanced Amphibious Assault Vehicle (AAAV)				
U) PROJECT CHANGE SUMMARY:	FY 2007 FY 200					
(U) FY 2008 President's Budget: U) Sec. 8104 Revised Economic Assumptions	347.820 288.22 0.000 -1.20					
J) Congressional Adjustment	0.000 -1.20					
U) Congressional Recission	-24.000 0.00					
J) SBIR Tax	-8.885 -4.32	23 0.000				
J) Sec. 8097 Contractor Efficiencies	0.000 -0.40					
J) Sec. 8025 FFRDC Reduction	0.000 -0.08					
J) Service Repricing Adjustment J) Change Proposal Rejection	0.000 0.00 0.000 0.00					
U) FY 2009 President's Budget:	314.935 247.20					
9						
CHANGE SUMMARY EXPLANATION:						
. ,	iness Innovative Research (SBIR), and a Congressional F					
		IR, and a \$35M congressional adjustment due to a program delay. d in the delay of program milestones as indicated below. The detailed				
	FY08 President's Buo	lget FY09 President's Budget				
SDD-2 Contract Award	20 EV07	• C - WY 7 C C				
	2Q, FY07	2Q, FY08				
CDR	2Q, FY07 3Q, FY06	2Q, FY08 4Q, FY08				
	9					
CDR	3Q, FY06	4Q, FY08				
CDR Milestone C Decision	3Q, FY06 2Q FY10	4Q, FY08 4Q, FY11				
CDR Milestone C Decision LRIP Lot 1 Contract Award	3Q, FY06 2Q FY10 2Q FY10	4Q, FY08 4Q, FY11 1Q, FY12				
CDR Milestone C Decision LRIP Lot 1 Contract Award IOT&E	3Q, FY06 2Q FY10 2Q FY10 4Q FY12-2Q FY13	4Q, FY08 4Q, FY11 1Q, FY12 3Q, FY14 - 2Q, FY15				
CDR Milestone C Decision LRIP Lot 1 Contract Award IOT&E Operational Assesment DT II and RAM-D DT/Regression Growth Testing	3Q, FY06 2Q FY10 2Q FY10 4Q FY12-2Q FY13 3-4Q, FY09	4Q, FY08 4Q, FY11 1Q, FY12 3Q, FY14 - 2Q, FY15 2-3Q, FY11 thru 4Q, FY09				
CDR Milestone C Decision LRIP Lot 1 Contract Award IOT&E Operational Assesment DT II and RAM-D	3Q, FY06 2Q FY10 2Q FY10 4Q FY12-2Q FY13 3-4Q, FY09	4Q, FY08 4Q, FY11 1Q, FY12 3Q, FY14 - 2Q, FY15 2-3Q, FY11				
CDR Milestone C Decision LRIP Lot 1 Contract Award IOT&E Operational Assesment DT II and RAM-D DT/Regression Growth Testing	3Q, FY06 2Q FY10 2Q FY10 4Q FY12-2Q FY13 3-4Q, FY09	4Q, FY08 4Q, FY11 1Q, FY12 3Q, FY14 - 2Q, FY15 2-3Q, FY11 thru 4Q, FY09				
CDR Milestone C Decision LRIP Lot 1 Contract Award IOT&E Operational Assessment DT II and RAM-D DT/Regression Growth Testing (RGT)	3Q, FY06 2Q FY10 2Q FY10 4Q FY12-2Q FY13 3-4Q, FY09	4Q, FY08 4Q, FY11 1Q, FY12 3Q, FY14 - 2Q, FY15 2-3Q, FY11 thru 4Q, FY09 3Q, FY10 - 1Q, FY14 4Q, FY13 - 1Q, FY15				
CDR Milestone C Decision LRIP Lot 1 Contract Award IOT&E Operational Assesment DT II and RAM-D DT/Regression Growth Testing (RGT) FUSL	3Q, FY06 2Q FY10 2Q FY10 4Q FY12-2Q FY13 3-4Q, FY09 thru 3Q, FY10	4Q, FY08 4Q, FY11 1Q, FY12 3Q, FY14 - 2Q, FY15 2-3Q, FY11 thru 4Q, FY09 3Q, FY10 - 1Q, FY14 4Q, FY13 - 1Q, FY15				
CDR Milestone C Decision LRIP Lot 1 Contract Award IOT&E Operational Assesment DT II and RAM-D DT/Regression Growth Testing (RGT) FUSL LRIP Lot 1 Deliveries	3Q, FY06 2Q FY10 2Q FY10 4Q FY12-2Q FY13 3-4Q, FY09 thru 3Q, FY10 - 4Q, FY11 - 3Q, FY12	4Q, FY08 4Q, FY11 1Q, FY12 3Q, FY14 - 2Q, FY15 2-3Q, FY11 thru 4Q, FY09 3Q, FY10 - 1Q, FY14 4Q, FY13 - 1Q, FY15 3Q, FY13 - 2Q, FY14				
CDR Milestone C Decision LRIP Lot 1 Contract Award IOT&E Operational Assessment DT II and RAM-D DT/Regression Growth Testing (RGT) FUSL LRIP Lot 1 Deliveries Ready for Training	3Q, FY06 2Q FY10 2Q FY10 4Q FY12-2Q FY13 3-4Q, FY09 thru 3Q, FY10 - 4Q, FY11 - 3Q, FY12 2Q, FY13	4Q, FY08 4Q, FY11 1Q, FY12 3Q, FY14 - 2Q, FY15 2-3Q, FY11 thru 4Q, FY09 3Q, FY10 - 1Q, FY14 4Q, FY13 - 1Q, FY15 3Q, FY13 - 2Q, FY14 1Q, FY15				

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EXHIBIT R-2a,	, RDT&E Project Ju	ıstification					DATE:		
								FEBRUARY 2	2008
PPROPRIATION/BUDGET ACTIVITY PROGRAM ELEMENT NUMBER AND NAM PROJECT NUMBER									
RDT&E, N /BA-4 Advanced Component Dev. and Prototypes	0603611M M	arine Corps	Assault Vehi	cles	B0020 Advar	nced Amphi	bious Assault	Vehicle (AAA	V)
(U) C. OTHER PROGRAM FUNDING SUMMARY:	FY2007	FY2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Compl	FY07-To Comp
Line Item No. & Name									
(U) PANMC, BLI #147500, EFV	0.000	0.000	0.000	0.000	0.000	7.334	17.857	Con't	Con't
(U) PMC BA2, BLI #202200, EFV	0.000	0.000	0.000	0.000	35.036	466.523	575.568	10,623.794	11,700.921
(U) PMC BA7 (Spares), BLI 700000, EFV	0.000	0.000	0.000	0.000	0.000	17.943	22.129	484.612	524.684
(U) PMC, EFV Totals	0.000	0.000	0.000	0.000	35.036	484.466	597.697	11,108.406	12,225.605
(U) MILCON P-041	2.320	0.000	0.000	0.000	0.000	0.000	0.000	0.000	2.320
(U) MILCON P-042	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
(U) MILCON P-101	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
(U) MILCON P-373	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
(U) MILCON, EFV Totals	2.320	0.000	0.000	0.000	0.000	0.000	0.000	0.000	2.320

(U) Related RDT&E:

- (U) PE 0206623M (Marine Corps Ground Combat/Supporting Arms Systems), Project C0021, AAV7A1.
- (U) PE 0206623M (Marine Corps Ground Combat/Supporting Arms Systems), Project B2237, AVTB.

(U) D. ACQUISITION STRATEGY:

The EFV Program acquisition strategy includes the extensive use of test assets, models, simulation, and advanced technology research to optimize vehicle design, reduce Total Ownership Cost (TOC), and control vehicle unit cost. Three fully functional PDRR prototypes were developed and have undergone extensive developmental testing to further vehicle maturity. During the initial SDD phase of the program, nine prototype vehicles were manufactured and tested extensively in developmental and operational tests. A tenth vehicle was manufactured for use during Full Up System Level Lethality testing. A follow-on SDD phase commencing in FY08 will include the incoporation of major reliability modifications into existing prototypes and the manufacture and testing of seven new SDD prototypes. Low Rate Initial Production is scheduled to begin in FY12. Initial Operational Capability (IOC) and Full Operational Capability (FOC) will occur in FY15 and FY25, respectively.

The EFV management strategy is event driven, designed to ensure a logical progression through the EFV acquisition to reduce risk, ensure affordability, and provide adequate information to decision makers regarding acquisition progress. The EFV Program team is a partnership of government and industry experts, committed to developing the most versatile combat vehicle, providing the optimum balance of combat effectiveness, affordability, innovation, and technology. The program Integrated Product Teams (IPTs), composed of contractors, sub-contractors, Marines, and government civilians, are the foundation of the EFV acquisition management process. The government, prime contractor, and major subcontractors are co-located in a highly integrated communication environment that facilitates proactive decision-making processes and flexible execution of plans to support these teams and product development.

Cost as an independent variable (CAIV) has been institutionalized throughout the program and as such is an integral consideration in all trade studies and decisions. The program has had a highly integrated and extensive test approach since its inception which has included a very strong engineering-model and prototype testing program supported by extensive modeling and simulation techniques which is intended to continue throughout SDD. As a Program Management Oversight for Life Cycle Support pilot program, the program office management strategy includes planning for life cycle support once the system is fielded to more efficiently manage and optimize operating and support requirements and reduce overall program cost.

The program's contracting approach for the EFV is to award the vast majority of the work to one prime contractor, competitively selected in 1996. GDLS operating through its division General Dynamics Amphibious System will be responsible for designing and producing the vehicle and providing support for testing from PDRR through LRIP. Contracts for Government Furnished Property will be kept to a minimum and will include only property which could not otherwise be available to the contractor. Local Area Network support contract is currently provided by an 8(a) firm. Contract support for programmatic and technical support was competitively awarded in September 2003 as a cost plus fixed-fee contract and will continue through FY08. A new competitive contract is anticipated to begin in FY09.

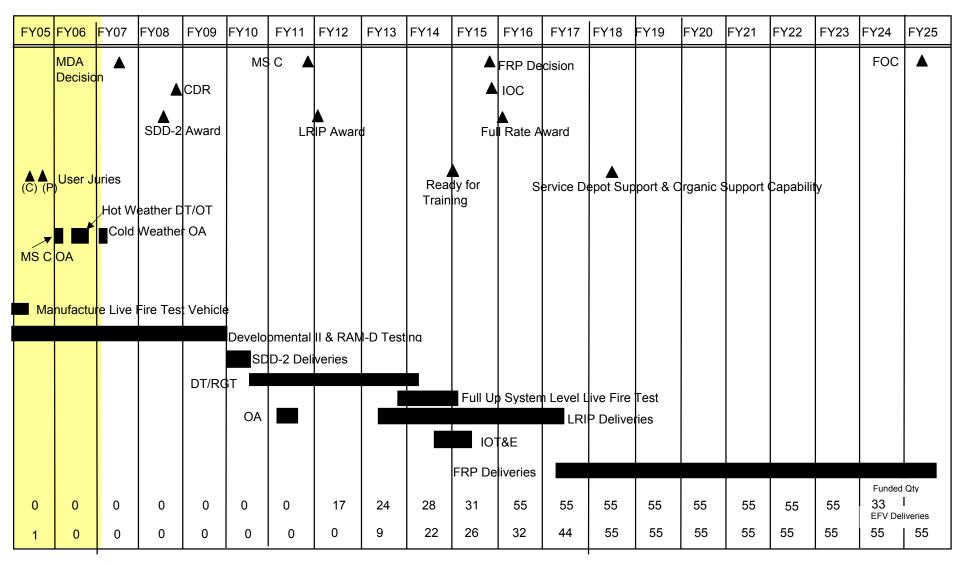
(U) E. MAJOR PERFORMERS:

General Dynamics, Woodbridge, VA. Validation of manufacturing and production processes, fabrication and testing of SDD vehicles, and finalizing and implementing Life Cycle Management. Initial SDD contract awarded Feb 01.

						DATE:									
Exhibit R-3 Cost Analysis APPROPRIATION/BUDGET ACTIVITY PROGRAM ELEMENT NUMBER AND NAME							FEBRUARY 2008 PROJECT NUMBER AND NAME								
RDT&E, N /BA-4 Advanced Component Development and Prototypes							B0020 Advanced Amphibious Assault Vehicle (AAAV)								
Cost Categories	Contract			Total FY 07		B0020 A0	FY 08	Ampinoic	FY 09	Cost to	Total	Target			
Cook Gatogorios	Method	Activity &	PY s	FY 07	Award	FY 08	Award	FY 09	Award	Complete	Cost	Value of			
Product Development	& Type	Location	Cost	Cost	Date	Cost	Date	Cost	Date			Contract			
PDRR Contract	CPAF	GDLS - Woodbridge, VA	399.703	0.000		0.000		0.000							
System Design and Development	CPAF	GDLS - Woodbridge, VA	1,047.218	247.799	1-3Q	150.685	1Q-2Q	0.000							
System Design and Development	TBD	GDLS - Woodbridge, VA	0.000	0.000		27.100	2Q	253.146	1Q-2Q	Continuing	Continuing				
		Army, Edgewod													
Regenerative Filtration	CPAF	Chem/Bio Ctr	3.327	0.000		0.000		0.000							
Survivability Contract	Classified	NSMA, Arlington, VA	22.602	4.340	1Q	3.750	2Q	0.721	2Q	Continuing	Continuing				
Display Technology	CPFF	ISR Corp	1.640	0.000		0.000		0.000							
Intelligent Machining of Advanced Defense Materials	TBD	TBD	0.000	2.914	4Q	0.000		0.000							
Digital Facsimile Upgrade	TBD	TBD	0.000	2.816	4Q	0.000		0.000							
Sub Total Product Development			1,474.490	257.869		181.535		253.867							
Remarks:	_		1		1	ı	1		1						
Cost Categories	Contract	Performing	Total		FY 07		FY 08		FY 09	Cost to	Total	Target			
	Method	Activity &	PY s	FY 07	Award		Award	FY 09	Award	Complete	Cost	Value of			
Program Support	& Type	Location	Cost	Cost	Date	Cost	Date	Cost	Date			Contract			
Integrated Logistics Support	Various	Various	1.348	9.269	2Q	8.015	2Q	6.986			Continuing				
Training Devices/Simulators	CPAF	GDLS	46.098	3.299	1Q	4.900	2Q	5.360		Continuing					
Tech Data & Pubs Development	Various	Various	0.355	0.335	2Q	0.320	2Q	0.360		Continuing	Continuing				
Support Equipment Development	Various	Various	0.000	0.000		1.886	2Q	1.770							
Subtotal Program Support			47.801	12.903		15.121		14.476							
Remarks:						1	I I								
Cost Categories	Contract	Performing	Total	=>/.a=	FY 07	=>/ 00	FY 08	=>/.00	FY 09	Cost to	Total	Target			
	Method	Activity &	PY s	FY 07	Award	FY 08	Award	FY 09	Award	Complete	Cost	Value of			
Test & Evaluation	& Type	Location	Cost	Cost	Date	Cost	Date	Cost	Date	0	0	Contract			
Developmental, Operational and Live Fire Test & Evaluation	Various	Various Locations	71.984	13.787	2Q	15.462	1Q-2Q	16.907	1Q-2Q	Continuing	Continuing				
Sub Total Test & Evaluation			71.984	13.787		15.462		16.907							
Remarks:			71.304	13.707		13.402		10.307							
Cost Categories	Contract	Performing	Total		FY 07		FY 08		FY 09	Cost to	Total	Target			
	Method	Activity &	PY s	FY 07	Award	FY 08	Award	FY 09	Award	Complete	Cost	Value of			
	& Type	Location	Cost	Cost	Date	Cost	Date	Cost	Date			Contract			
Contract Advisory & Asst Svc (A&AS)															
Engineering and Technical Services	RCP / MIPR	Various	16.701	8.756	2Q	8.816	2Q	5.774	2Q	Continuing	U				
Management Support Services	RCP / MIPR		37.492	6.940	2Q	9.487	1Q	8.992	1Q	Continuing	Continuing				
Studies and Analyses	N/A	N/A	0.000	0.000		2.743		1.468							
Sub Total A&AS	+		54.193	15.696		21.046		16.234							
Remarks:	+														
Management Support			0	46 :==	10.55	46.55-	10.55	46 = 5 :	10.55	.	0 " '				
In-House Technical Support	Various	Various	91.285	12.170			1Q-3Q	12.704			Continuing				
Program Management Support	Various	Various	21.466	1.403		0.261	2Q	0.644			Continuing				
Travel		Various	2.010	1.107	1-4Q	1.175	1-4Q	1.220	1-4Q	Continuing	Continuing				
Sub Total Management Support			114.761	14.680		14.043		14.568							
Remarks:															
Total Cost			1,763.229	314.935		247.207		316.052		0.000		0.000			

R-1 SHOPPING LIST - ITEM NO. 52

EFV (AAAV) PROGRAM SCHEDULE



								DATE:			
Exhibit R-4/4a Schedule Profile/Detail								D/(IL.	FEBRUA	RY 2008	
APPROPRIATION/BUDGET ACTIVITY				AND NAME			NUMBER A				
RDT&E, N /BA-4 Advanced Component Development and Prototypes 0			Marine Co	rps Assau	It Vehicles		B0020 Adv	anced Am	phibious As	sault Vehic	le (AAAV)
	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017
SCHEDULE DETAIL											
MS C					4Q						
FRP Decision									4Q		
ioc									4Q		
Operational Assessments	1Q				2-3Q						
Developmental II & RAM-D Testing	1-4Q	1-4Q	1-4Q								
CDR		4Q									
SDD-2 Contract Award		2Q									
LRIP Contract Award						1Q					
Full Up System Level Live Fire Test							4Q	1-4Q	1Q		
LRIP Deliveries Lot 1							3-4Q	1-2Q			
IOT&E								3-4Q	1-2Q		
Ready for Training									1Q		
LRIP Deliveries Lot II								3-4Q	1-2Q		
Full Rate Contract Award										1Q	