

UNCLASSIFIED

CLASSIFICATION:

EXHIBIT R-2, RDT&E Budget Item Justification							DATE:			
							June 2001			
APPROPRIATION/BUDGET ACTIVITY				PROGRAM ELEMENT (PE) NAME AND NO.						
RDT&E, N /BA-4 Demonstration/Validation				0603635M Marine Corps Ground Combat/Supporting Arms Systems						
COST (\$ in Millions)	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	Cost to Complete	Total Program
Total PE Cost	47.331	32.416	25.957	0.000	0.000	0.000	0.000	0.000	Cont	Cont
C1964 Anti-Armor Weapon System	0.413	0.608	0.630	0.000	0.000	0.000	0.000	0.000	Cont	Cont
C2112 Lightweight 155mm Howitzer (LW155)	26.345	12.998	18.203	0.000	0.000	0.000	0.000	0.000	0.000	57.546
C2113 Short Range Air-Tank Weapon (SRAW/Predator)	10.765	0.488	0.000	0.000	0.000	0.000	0.000	0.000	0.000	11.253
C2256 Integrated Infantry Combat System	0.594	2.581	1.743	0.000	0.000	0.000	0.000	0.000	Cont	Cont
C2507 Family of Small Craft	1.395	1.741	2.930	0.000	0.000	0.000	0.000	0.000	0.000	6.066
C2508 Internally Transportable Vehicle (ITV)	4.897	6.570	2.451	0.000	0.000	0.000	0.000	0.000	0.000	13.918
C2614 SMAW Follow-On	2.922	2.972	0.000	0.000	0.000	0.000	0.000	0.000	0.000	5.894
C2615 M1A1 Antipersonnel Ammunition	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	Cont	Cont
C2998 Innovative Stand-Off Door Breacher	0.000	4.458	0.000	0.000	0.000	0.000	0.000	0.000	0.000	4.458
Quantity of RDT&E Articles (C2508 ITV)		8								
(U) A. MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION:										
This PE supports the demonstration and validation of Marine Corps Ground/Supporting Arms Systems for utilization in Marine Air-Ground Expeditionary Force amphibious operations.										
This program is funded under DEMONSTRATION & VALIDATION because it develops and integrates hardware for experimental test related to specific ground weapon system.										

UNCLASSIFIED

CLASSIFICATION:

EXHIBIT R-2, RDT&E Budget Item Justification		DATE: June 2001																																
APPROPRIATION/BUDGET ACTIVITY RDT&E, N /BA-4 Demonstration/Validation	PROGRAM ELEMENT (PE) NAME AND NO. 0603635M Marine Corps Ground Combat/Supporting Arms Systems																																	
<p>B. PROGRAM CHANGE SUMMARY</p> <table> <thead> <tr> <th></th> <th>FY2000</th> <th>FY2001</th> <th>FY2002</th> </tr> </thead> <tbody> <tr> <td>(U) FY 2001 President's Budget:</td> <td>50.375</td> <td>22.973</td> <td>8.432</td> </tr> <tr> <td>(U) Adjustments from the President's Budget:</td> <td></td> <td></td> <td></td> </tr> <tr> <td> (U) SBIR/STTR Transfer</td> <td>-0.744</td> <td>0.000</td> <td>0.000</td> </tr> <tr> <td> (U) Execution Adjustment</td> <td>-0.225</td> <td>0.000</td> <td>0.000</td> </tr> <tr> <td> (U) Minor Affordability Adjustment</td> <td>-0.231</td> <td>-0.300</td> <td>-0.451</td> </tr> <tr> <td> (U) Program Adjustment</td> <td>-1.844</td> <td>9.743</td> <td>17.976</td> </tr> <tr> <td>(U) FY 2002 President's Budget:</td> <td>47.331</td> <td>32.416</td> <td>25.957</td> </tr> </tbody> </table> <p>CHANGE SUMMARY EXPLANATION:</p> <p>(U) Funding: See Above. (See R-2a for breakout at project level).</p> <p>(U) Schedule: Delays for C2112 LW155 project and C2508 ITV Project (see R-2a).</p> <p>(U) Technical: See C2508 ITV Project R-2a.</p>				FY2000	FY2001	FY2002	(U) FY 2001 President's Budget:	50.375	22.973	8.432	(U) Adjustments from the President's Budget:				(U) SBIR/STTR Transfer	-0.744	0.000	0.000	(U) Execution Adjustment	-0.225	0.000	0.000	(U) Minor Affordability Adjustment	-0.231	-0.300	-0.451	(U) Program Adjustment	-1.844	9.743	17.976	(U) FY 2002 President's Budget:	47.331	32.416	25.957
	FY2000	FY2001	FY2002																															
(U) FY 2001 President's Budget:	50.375	22.973	8.432																															
(U) Adjustments from the President's Budget:																																		
(U) SBIR/STTR Transfer	-0.744	0.000	0.000																															
(U) Execution Adjustment	-0.225	0.000	0.000																															
(U) Minor Affordability Adjustment	-0.231	-0.300	-0.451																															
(U) Program Adjustment	-1.844	9.743	17.976																															
(U) FY 2002 President's Budget:	47.331	32.416	25.957																															

UNCLASSIFIED

CLASSIFICATION:

EXHIBIT R-2a, RDT&E Project Justification							DATE: <div>June 2001</div>			
APPROPRIATION/BUDGET ACTIVITY RDT&E, N / BA-4					PROJECT NUMBER AND NAME C1964 Anti-Armor Weapon System					
COST (\$ in Millions)	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	Cost to Complete	Total Program
Project Cost	0.413	0.608	0.630	0.000	0.000	0.000	0.000	0.000	Cont	Cont
RDT&E Articles Qty										

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

(U) This project provides for Marine Corps participation in the Joint Anti-Armor Program entitled Javelin (Advanced Anti-Tank Weapon System - Medium (AAWS-M)) and the Anti-Armor Weapon System - Heavy (AAWS-H). The Javelin weapon system Pre-Planned Product Improvement program (P3I) will provide the Marine Corps and Army with state-of-the-art capability to destroy sophisticated and future armored threats. The AAWS-H is a long range, antitank weapon system that will replace the Tube Launched, Optically Tracked, Wire Guided Missile System. It will satisfy an operational requirement to provide increased range (4000 meters), increased lethality against all armored threats, to include explosive reactive armor, active protection, increased probability of hit and kill and increased gunner survivability. Possible Light Armored Vehicle-Anti Tank usage would promote commonality among Marine Corps systems.

(U) PROGRAM ACCOMPLISHMENTS AND PLANS:
1. FY 2000 ACCOMPLISHMENTS:

- (U) \$ 0.218 Provided Engineering/Technical support to participate in Product Qualification Testing and Pre-planned Product Improvement for the Javelin program.
 - (U) \$ 0.195 Provided Engineering and Technical Support to participate in technical developments in the AAWS-H program.
- (U)Total \$ 0.413

2. FY 2001 PLANS:

- (U) \$ 0.242 Engineering/Technical support to monitor and participate in Product Qualification Testing and Pre-planned Product Improvement for the Javelin program.
 - (U) \$ 0.212 Engineering/Technical support to monitor and participate in technical developments in the AAWS-H program.
 - (U) \$ 0.121 Conduct Analysis of Alternatives for AAWS-H program.
 - (U) \$ 0.031 Program Office documentation support for the AAWS-H program.
 - (U) \$ 0.002 SBIR: Portion of extramural program reserved for Small Business Innovation Research assessment in accordance with 15 USC 638.
- (U)Total \$ 0.608

3. FY 2002 PLANS:

- (U) \$ 0.242 Engineering/Technical support to participate in Product Qualification Testing and Pre-planned Product Improvement for the Javelin program.
 - (U) \$ 0.338 Engineering/Technical support to participate in technical developments in the AAWS-H program
 - (U) \$ 0.050 Program Office documentation support for the AAWS-H program.
- (U)Total \$ 0.630

UNCLASSIFIED

CLASSIFICATION:

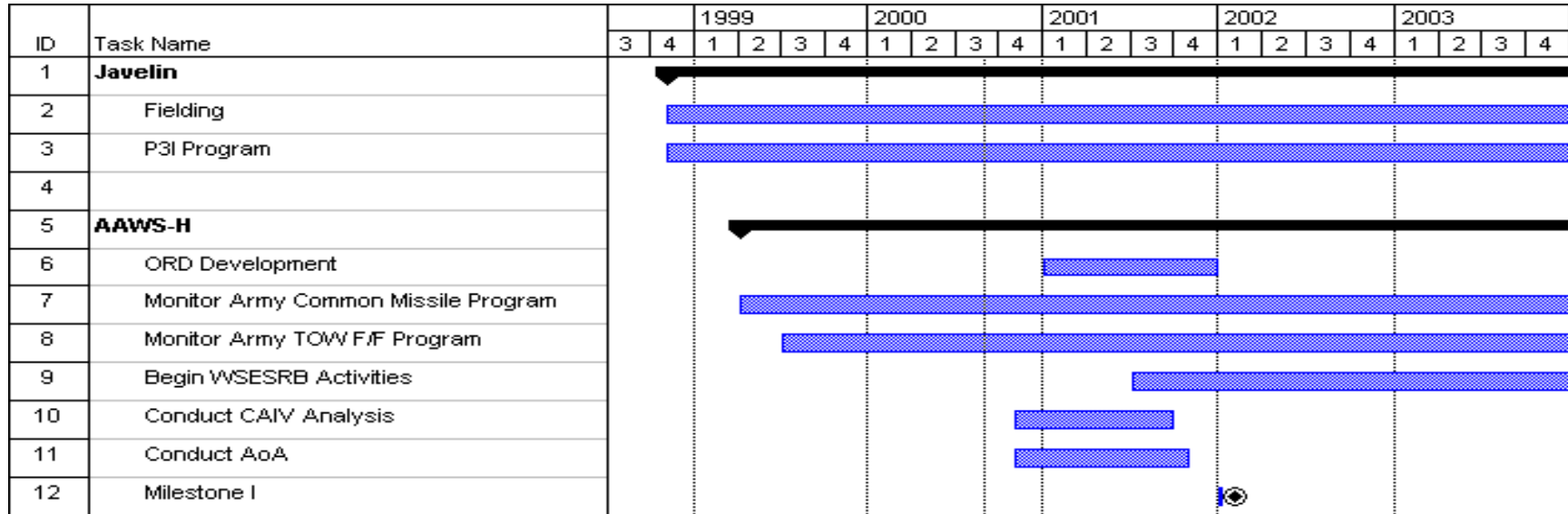
EXHIBIT R-2a, RDT&E Project Justification						DATE: June 2001																																																							
APPROPRIATION/BUDGET ACTIVITY RDT&E, N / BA-4				PROJECT NUMBER AND NAME C1964 Anti-Armor Weapon System																																																									
<p>Project Change Summary</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 60%;"></th> <th style="width: 10%;">FY 2000</th> <th style="width: 10%;">FY 2001</th> <th style="width: 10%;">FY 2002</th> </tr> </thead> <tbody> <tr> <td>(U) Previous President's Budget</td> <td style="text-align: right;">0.629</td> <td style="text-align: right;">0.613</td> <td style="text-align: right;">0.635</td> </tr> <tr> <td>(U) Adjustments to Previous President's Budget</td> <td></td> <td></td> <td></td> </tr> <tr> <td style="padding-left: 20px;">SBIR/STTR Transfer</td> <td></td> <td></td> <td></td> </tr> <tr> <td style="padding-left: 20px;">Execution Adjustment</td> <td></td> <td></td> <td></td> </tr> <tr> <td style="padding-left: 20px;">Minor Affordability Adjustment</td> <td style="text-align: right;">-0.002</td> <td style="text-align: right;">-0.005</td> <td style="text-align: right;">-0.010</td> </tr> <tr> <td style="padding-left: 20px;">Program Adjustment</td> <td style="text-align: right;">-0.214</td> <td></td> <td style="text-align: right;">0.005</td> </tr> <tr> <td>(U) Current Budget Submit</td> <td style="text-align: right;">0.413</td> <td style="text-align: right;">0.608</td> <td style="text-align: right;">0.630</td> </tr> </tbody> </table> <p>CHANGE SUMMARY EXPLANATION:</p> <p>(U) Funding: See Above.</p> <p>(U) Schedule: Not Applicable.</p> <p>(U) Technical: Not Applicable.</p> <p>B. (U) OTHER PROGRAM FUNDING SUMMARY:</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 25%;">Line Item No. & Name</th> <th style="width: 7%;">FY 2000</th> <th style="width: 7%;">FY 2001</th> <th style="width: 7%;">FY 2002</th> <th style="width: 7%;">FY 2003</th> <th style="width: 7%;">FY 2004</th> <th style="width: 7%;">FY 2005</th> <th style="width: 7%;">FY 2006</th> <th style="width: 7%;">FY 2007</th> <th style="width: 7%;">To Complete</th> <th style="width: 10%;">Total Cost</th> </tr> </thead> <tbody> <tr> <td>(U) PMC BLI# 301100</td> <td style="text-align: right;">92.512</td> <td style="text-align: right;">28.852</td> <td style="text-align: right;">1.036</td> <td style="text-align: right;">0.000</td> <td style="text-align: right;">0.000</td> <td style="text-align: right;">0.000</td> <td style="text-align: right;">0.000</td> <td style="text-align: right;">0.000</td> <td style="text-align: right;">0.000</td> <td style="text-align: right;">Cont.</td> </tr> </tbody> </table> <p>(U) Related RDT&E: Not Applicable.</p> <p>(U) C. ACQUISITION STRATEGY:</p> <p>AAWS-H - The acquisition strategy anticipates a Competetively Awarded Cost Plus Development Contract with follow-on Firm Fixed Price Production Contract. JAVELIN - Acquisition strategy provides for pre-planned improvements for the Javelin hardware which is procured under a Firm Fixed Price Multi-Year Contract. The first Multi-Year covers FY 97 through FY 99. Hardware on this contract includes the Command Launch Unit (CLU), Tactical Round, Battery Unit, Basic Skills Trainer, and Field Tactcial Trainer. The second Multi-Year covers the years 2000-2003.</p>									FY 2000	FY 2001	FY 2002	(U) Previous President's Budget	0.629	0.613	0.635	(U) Adjustments to Previous President's Budget				SBIR/STTR Transfer				Execution Adjustment				Minor Affordability Adjustment	-0.002	-0.005	-0.010	Program Adjustment	-0.214		0.005	(U) Current Budget Submit	0.413	0.608	0.630	Line Item No. & Name	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Cost	(U) PMC BLI# 301100	92.512	28.852	1.036	0.000	0.000	0.000	0.000	0.000	0.000	Cont.
	FY 2000	FY 2001	FY 2002																																																										
(U) Previous President's Budget	0.629	0.613	0.635																																																										
(U) Adjustments to Previous President's Budget																																																													
SBIR/STTR Transfer																																																													
Execution Adjustment																																																													
Minor Affordability Adjustment	-0.002	-0.005	-0.010																																																										
Program Adjustment	-0.214		0.005																																																										
(U) Current Budget Submit	0.413	0.608	0.630																																																										
Line Item No. & Name	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Cost																																																			
(U) PMC BLI# 301100	92.512	28.852	1.036	0.000	0.000	0.000	0.000	0.000	0.000	Cont.																																																			

UNCLASSIFIED

CLASSIFICATION:

EXHIBIT R-2a, RDT&E Project Justification			DATE: June 2001	
APPROPRIATION/BUDGET ACTIVITY RDT&E, N / BA-4		PROJECT NUMBER AND NAME C1964 Anti-Armor Weapon System		

(U) D. SCHEDULE PROFILE:



Program Funding Summary

Line Item No. & Name	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Cost
(U) RDT&E	0.413	0.608	0.630	0.000	0.000	0.000	0.000	0.000	Cont.	Cont.
(U) PMC BLI# 301100	92.512	28.852	1.036	0.000	0.000	0.000	0.000	0.000	0.000	Cont.

UNCLASSIFIED

CLASSIFICATION:

EXHIBIT R-2a, RDT&E Project Justification		DATE: June 2001
APPROPRIATION/BUDGET ACTIVITY RDT&E, N / BA-4		PROJECT NUMBER AND NAME C1964 Anti-Armor Weapon System

CLASSIFICATION:

UNCLASSIFIED

EXHIBIT R-2a, RDT&E Project Justification								DATE: June 2001		
APPROPRIATION/BUDGET ACTIVITY	PROGRAM ELEMENT NUMBER AND NAME				PROJECT NUMBER AND NAME					
RDT&E, N / BA-4	0603635M Marine Corps Ground Combat/Supt Arms				C2112 Lightweight 155mm Howitzer (LW155)					
COST (\$ in Millions)	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	Cost to Complete	Total Program
Project Cost	26.345	12.998	18.203	0.000	0.000	0.000	0.000	0.000	0.000	57.546
RDT&E Articles Qty										

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

(U) The LW155 is the replacement for the aging, operationally deficient M198 155 Howitzer for the Marine Corps and the Army. The LW155 retains the current M198 howitzer's range, but will weigh 9,000 pounds compared to the M198's 16,000 pounds. The weight reduction significantly improves transportability and mobility by sea, air, and land platforms and enables the LW155 to emplace, displace, and bold shift in half the time of the current system while increasing the rate of fire. Thus, the LW155 provides greater transportability and mobility in strategic/tactical movements. The LW155 is a joint Marine Corps and Army program, with the Marine Corps as the Lead service. The Joint Operational Requirements Document (JORD) was approved by the Assistant Commandant of the Marine Corps on 27 June 1996. The JORD was validated and approved by the Army on 29 September 1995. A MS I/II Marine Corps Program Decision Memorandum (MCPDM) was approved on 5 February 1996.

After a ten month "shoot-off" between competitors a three year EMD contract was signed with Cadillac Gage Textron Inc. on 17 March 1997. On 21 December 1998, the three parties involved in the development of the LW155 signed a novation agreement whereby Vickers Shipbuilding and Engineering Limited (VSEL) took over prime contractor responsibilities from Cadillac Gage Textron. The program will complete development in 4th quarter FY02 and enter production in FY 03. The Laser Ignition System (LIS) is to ignite the propelling charge for an artillery weapon systems without the aid of conventional primers. LIS will eliminate the need for primers and primer resupply, and increase response time.

(U) PROGRAM ACCOMPLISHMENTS AND PLANS:**1. FY 2000 ACCOMPLISHMENTS:**

- (U) \$ 3.010 Program Management Support.
- (U) \$ 2.440 ARDEC continued matrix development engineering to system, logistics, safety, quality assurance, and corrosion prevention.
- (U) \$ 9.836 Engineering and manufacturing development (EMD) contract increments to VSEL and Kara, Inc.
- (U) \$ 1.333 Provided other government development engineering support to system, safety, logistics and quality assurance.
- (U) \$ 3.894 Conducted technical test series (fatigue, recoil durability, cold, hot/humid, corrosion, transportability, logistics demonstration, spades, wear, firing tables).
- (U) \$ 1.037 Conducted engineering and prototype manufacturing at Benet Labs and Watervliet Arsenal, NY.
- (U) \$ 4.595 Forward Financed FY 01 EMD contract increments effort with VSEL.
- (U) \$ 0.200 Forward Financed FY 01 continued technical test series.

(U)Total \$ 26.345

CLASSIFICATION:**UNCLASSIFIED**

EXHIBIT R-2a, RDT&E Project Justification		DATE: June 2001
APPROPRIATION/BUDGET ACTIVITY	PROGRAM ELEMENT NUMBER AND NAME	PROJECT NUMBER AND NAME
RDT&E, N / BA-4	0603635M Marine Corps Ground Combat/Supt Arms	C2112 Lightweight 155mm Howitzer (LW155)
<p>2. FY 2001 PLANS:</p> <ul style="list-style-type: none"> • (U) \$ 1.971 Program Management Support. • (U) \$ 1.000 ARDEC completes matrix development engineering to system, logistics, safety, and quality assurance. • (U) \$ 5.127 EMD Contract increments to BAE Systems (formerly VSEL) & KARA. • (U) \$ 0.400 Provide other govt development engineering support to logistics and quality assurance. • (U) \$ 3.528 Provide support to Multi-service Operational Test & Evaluation (MOT&E) – Marine travel costs, transportation, materials & Developmental Testing (DT). • (U) \$ 0.800 ARDEC (Benet Labs) Conduct engineering and fabrication of GFE Primer Feed Mechanism. • (U) \$ 0.172 SBIR: Portion of extramural program reserved fro Small Business Innovation Research assessment in accordance with 15 USC 638. • (U) \$ 0.000 EMD contract increment to VSEL Forward Financed with FY 00 funds. • (U) \$ 0.000 Continued technical test series with FY 00 Forward Finance. <p>(U)Total \$ 12.998</p> <p>3. FY 2002 PLANS:</p> <ul style="list-style-type: none"> • (U) \$ 0.853 Program Management Support. • (U) \$ 0.500 ARDEC completes matrix development engineering to system, logistics, safety, and quality assurance. • (U) \$ 0.500 ARDEC (Benet Labs) begins engineering support for Laser Ignition System. • (U) \$ 9.750 Complete EMD Contract (BAE Systems, formerly VSEL) and process close out to include the final award fee. • (U) \$ 1.500 Complete testing support for MOT&E. • (U) \$ 1.500 Begin TAD Integration for Laser Ignition System (BAE Systems). • (U) \$ 0.300 Purchase Test Hardware (6) from contractor – TBD for the Laser Ignition System. • (U) \$ 0.300 Conduct test on Ignition System at Yuma Proving Ground and other test sites • (U) \$ 3.000 Pre-production Planning/Manufacturing/Integration. <p>(U)Total \$ 18.203</p>		

UNCLASSIFIED

CLASSIFICATION:

UNCLASSIFIED

EXHIBIT R-2a, RDT&E Project Justification							DATE: June 2001			
APPROPRIATION/BUDGET ACTIVITY		PROGRAM ELEMENT NUMBER AND NAME			PROJECT NUMBER AND NAME					
RDT&E, N / BA-4		0603635M Marine Corps Ground Combat/Supt Arms			C2112 Lightweight 155mm Howitzer (LW155)					
Project Change Summary										
		FY 2000	FY 2001	FY 2002						
(U)	Previous President's Budget	27.117	13.119	0.000						
(U)	Adjustments to Previous President's Budget									
	SBIR/STTR Transfer	(0.527)								
	Execution Adjustment	-								
	Minor Affordability Adjustments	(0.094)	(0.121)	(0.297)						
	Program Adjustment	(0.151)		18.500						
(U)	Current Budget Submit	26.345	12.998	18.203						
CHANGE SUMMARY EXPLANATION:										
(U) Funding: See Above.										
(U) Schedule: Change shows schedule with delays.										
(U) Technical: Not Applicable.										
B. (U) OTHER PROGRAM FUNDING SUMMARY:										
	Line Item No. & Name	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007 To Complete	Total Cost
(U)	PMC, BLI #218500, Howitzer, Medium Towed 155MM	0.000	11.004	0.000	0.000	0.000	0.000	0.000	0.000	0.000 Cont.
(U)	Related RDT&E: PE 0604854A (Artillery Systems-Engineering Development)									
(U) C. ACQUISITION STRATEGY:										
The contract type initially was a Cost Plus Incentive Fee w/an Award Fee provision (CPIF/AF) for the EMD phase and was restructured to a CPIF in Dec 00 (Retroactive to Jun 00).										
Contract type is Fixed Price Incentive with Successive Targets (FPI-Successive) for the production options.										

CLASSIFICATION:

UNCLASSIFIED

EXHIBIT R-2a, RDT&E Project Justification		DATE: June 2001
APPROPRIATION/BUDGET ACTIVITY	PROGRAM ELEMENT NUMBER AND NAME	PROJECT NUMBER AND NAME
RDT&E, N / BA-4	0603635M Marine Corps Ground Combat/Supt Arms	C2112 Lightweight 155mm Howitzer (LW155)

CLASSIFICATION:

UNCLASSIFIED

EXHIBIT R-2a, RDT&E Project Justification

DATE: June 2001

APPROPRIATION/BUDGET ACTIVITY

PROGRAM ELEMENT NUMBER AND NAME

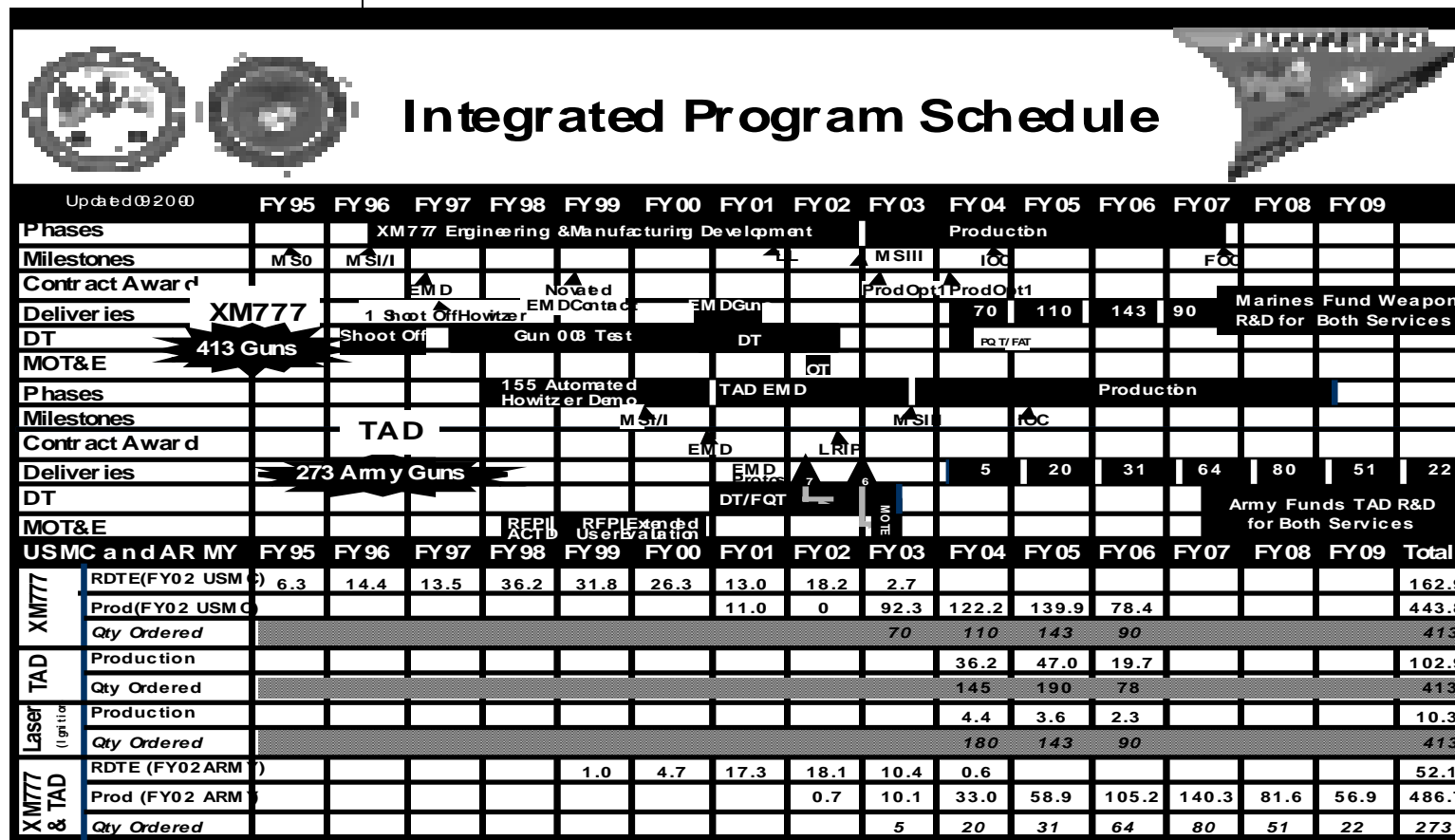
PROJECT NUMBER AND NAME

RDT&E, N / BA-4

0603635M Marine Corps Ground Combat/Supt Arms

C2112 Lightweight 155mm Howitzer (LW155)

(U) D. SCHEDULE PROFILE:



R-1 SHOPPING LIST - Item No. 68

UNCLASSIFIED

Exhibit R-2a, RDTE,N Project Justification
(Exhibit R-2a, Page 11 of 34)

UNCLASSIFIED

CLASSIFICATION:

Exhibit R-3 Cost Analysis								DATE:				
APPROPRIATION/BUDGET ACTIVITY			PROGRAM ELEMENT				PROJECT NUMBER AND NAME					
RDT&E, N / BA-4			0603635M Marine Corps Ground Combat/Supt Arms				C2112 Lightweight 155mm Howitzer (LW155)					
Cost Categories (Tailor to WBS, or Sys/Item Requirements)	Contract Method & Type	Performing Activity & Location	Total PY s Cost	FY 00 Cost	FY 00 Award Date	FY 01 Cost	FY 01 Award Date	FY 02 Cost	FY 02 Award Date	Cost to Complete	Total Cost	Target Value of Contract
Product Development												
Primary Hardware Dev	CPIF	VSEL (BAE Sys), UK	18.958	12.911	03/00	4.552	02/01	11.250	10/01	0.500	48.171	
Ancillary Hardware Dev	CPIF	Kara, Bedford, PA	1.400	1.520	03/00	0.575	01/01	0.000		0.000	3.495	
Award Fees	CPIF	VSEL (BAE Sys), UK	0.316	0.000		0.000		0.000		0.000	48.171	
Laser Ignition Test	CPIF	TBD	0.000	0.000		0.000		0.300		0.300	0.600	
Mfg &Integr for Risk Mitig	CPIF	VSEL (BAE Sys), UK	0.000	0.000		0.000		3.000		0.000	3.000	
GFE	MIPR	Benet Labs Watervliet Arsenal NY	12.404	1.037		0.800		0.500		0.350	15.091	
Govt Dev Eng	MIPR	ARDEC	7.593	2.440		1.000		0.500		0.000	11.533	
Govt Dev Eng	MIPR	Misc	8.151	1.333		0.400		0.000		0.000	9.884	
Subtotal Product Dev			48.822	19.241		7.327		15.550		Continuing	Continuing	
Remarks:												

UNCLASSIFIED

CLASSIFICATION:

Exhibit R-3 Cost Analysis								DATE: June 2001				
APPROPRIATION/BUDGET ACTIVITY		PROGRAM ELEMENT					PROJECT NUMBER AND NAME					
RDT&E, N / BA-4		0603635M Marine Corps Ground Combat/Supt Arms					C2112 Lightweight 155mm Howitzer (LW155)					
Cost Categories (Tailor to WBS, or System/Item Requirements)	Contract Method & Type	Performing Activity & Location	Total PY s Cost	FY 00 Cost	FY 00 Award Date	FY 01 Cost	FY 01 Award Date	FY 02 Cost	FY 02 Award Date	Cost to Complete	Total Cost	Target Value of Contract
Test & Eval (T&E)												
Developmental Test & Eval	MIPR	Yuma Proving Ground, Yuma, AZ	2.960	4.017		2.562		1.800		1.550	12.889	
Developmental Test & Eval	MIPR	Misc. Government	3.406	0.026		0.000		0.000		0.000	3.432	
Operational Test & Eval	MIPR	MCOTEA	0.000	0.051		0.966		0.000		0.000	1.017	
Subtotal T&E			6.366	4.094		3.528		1.800		1.550	17.338	
Remarks:												
Cost Categories (Tailor to WBS, or System/Item Requirements)	Contract Method & Type	Performing Activity & Location	Total PY s Cost	FY 00 Cost	FY 00 Award Date	FY 01 Cost	FY 01 Award Date	FY 02 Cost	FY 02 Award Date	Cost to Complete	Total Cost	Target Value of Contract
Program Mngmnt												
Program Mngmnt	MIPR	PMO LW155, Picatinny, NJ	9.690	2.687		1.971		0.853		Continuing	Continuing	
Subtotal Management			9.690	2.687		1.971		0.853		Continuing	Continuing	
Remarks:												
Total Cost				26.345		12.998		18.203		Continuing	Continuing	

UNCLASSIFIED

CLASSIFICATION:

EXHIBIT R-2a, RDT&E Project Justification							DATE: <div>June 2001</div>			
APPROPRIATION/BUDGET ACTIVITY RDT&E, N /BA-4 Demonstration/Validation	PROGRAM ELEMENT NUMBER AND NAME 0603635M Marine Corps Ground Combat/Supt Arm				PROJECT NUMBER AND NAME C2256 Integrated Infantry Combat System					
COST (\$ in Millions)	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	Cost to Complete	Total Program
Project Cost	0.594	2.581	1.743	0.000	0.000	0.000	0.000	0.000	Cont	Cont
RDT&E Articles Qty										

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

(U) The program will enhance the Marine's battlefield capabilities through the development and integration of an assortment of Marine systems/components and technologies into a cohesive, timely and combat effective system. These systems/components include weapon, integrated helmet assembly, protective clothing, communication and target acquisition technologies. This will provide the infantryman with increased lethality, survivability and situational awareness enhancements. Initial funding in this line will be utilized to determine and exploit integration opportunities on existing infantry equipment that will be fielded in the near future. Funds will also be utilized for the Research & Development of a future integrated system that is modular in design that will enhance the infantryman's mobility, lethality, survivability and communications. The IICS is an overarching program, consisting of three main phases. The initial phase enables base-lining current systems. The second phase consists of an iterative process integrating mid-term capabilities, and the final phase seeks technology insertions where opportunities exist.

PROGRAM ACCOMPLISHMENTS AND PLANS

FY 2000 Accomplishments:

- (U) \$ 0.130 Provided program support and strategy development in support of phase one of the IICS program.
- (U) \$ 0.140 Developed Modeling, Simulation and Analysis Decision Support System for baselining the Phase One efforts.
- (U) \$ 0.324 Conducted studies and analysis in developing vignettes for input to modeling and simulation efforts.

(U) Total \$ 0.594

FY 2001 Planned Program

- (U) \$ 1.981 Congressional Plus-up for Advanced Modeling and Simulation – to be awarded following contractual competition.
- (U) \$ 0.040 Prototype development by SBCCOM Natick, MA working integration issues with developing items of combat gear.
- (U) \$ 0.107 Scenario development for representative MV-22 Heliborne Assault and subsequent Infantry Operations.
- (U) \$ 0.229 Studies, analysis and support services for phase one activities.
- (U) \$ 0.183 AAV 18 hours Vignette development into IUSS Model for requirements and baseline analysis.
- (U) \$ 0.041 SBIR: Portion of extramural program reserved for Small Business Innovation Research assessment in accordance with 15 USC 638.

(U) Total \$ 2.581

UNCLASSIFIED

CLASSIFICATION:

EXHIBIT R-2a, RDT&E Project Justification		DATE: June 2001
APPROPRIATION/BUDGET ACTIVITY RDT&E, N /BA-4 Demonstration/Validation	PROGRAM ELEMENT NUMBER AND NAME 0603635M Marine Corps Ground Combat/Supt Arm	PROJECT NUMBER AND NAME C2256 Integrated Infantry Combat System

FY 2002 Planned Program

- (U) \$ 0.150 Prototype development by SBCCOM Natick, MA working integration issues with developing items of combat gear.
- (U) \$ 0.150 Scenario development for representative AAV Surface Assault and subsequent Infantry Operations.
- (U) \$ 0.305 Support services
- (U) \$ 0.288 Expeditionary Environment Studies (Nuclear Biological and Chemical, Mountain, Jungle, Extreme Cold Weather, Military Operations in Urban Terrain)
- (U) \$ 0.850 Integration Development & Experimentation – R&D Integration of Command, Control, Communications, Computer, and Intelligence systems with weapons systems and load carriage equipment. Assessment of Land Warrior system in addressing these integration concerns

(U) Total \$ 1.743

PROJECT CHANGE SUMMARY:

	FY2000	FY2001	FY2002
(U) FY 2001 President's Budget:	0.747	0.605	1.749
(U) Adjustments from the President's Budget:			
(U) SBIR/STTR Transfer	-0.017		
(U) Execution Adjustment			
(U) Minor Affordability Adjustment	-0.003	-0.024	-0.025
(U) Program Adjustment	-0.133	2.000	0.019
(U) FY 2002 President's Budget:	0.594	2.581	1.743

CHANGE SUMMARY EXPLANATION:

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

(U) B. OTHER PROGRAM FUNDING SUMMARY:

<u>Line Item No. & Name</u>	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007 To Compl	Total Cost
Not Applicable.									

(U) Related RDT&E:

- (U) PE 0602131M (Marine Corps Landing Force Technology)
- (U) PE 0603640M (Marine Corps Advanced Technology Demonstration)
- (U) PE 64657A (Marine Corps Landing Force Technology)

UNCLASSIFIED

CLASSIFICATION:

EXHIBIT R-2a, RDT&E Project Justification						DATE:		June 2001																																									
APPROPRIATION/BUDGET ACTIVITY		PROGRAM ELEMENT NUMBER AND NAME			PROJECT NUMBER AND NAME																																												
RDT&E, N /BA-4 Demonstration/Validation		0603635M Marine Corps Ground Combat/Supt Arm			C2256 Integrated Infantry Combat System																																												
<p>(U) C. ACQUISITION STRATEGY: * An explanation of acquisition, management, and contracting strategies shall be provided for each project.</p> <p>The Intergrated Infantry Combat System envisions a phased approach of enhancements to the rifle squad with an endstate of synergizing that squad as a "system." Modularity and integration are paramount design factors. By improving the equipment and making it modular in form, by integrating these individual improvements into the squad as a whole, and by completing this via a phased approach, we can manage the risks associated with technology creep and cost.</p> <p>(U) D. SCHEDULE PROFILE: Not Applicable.</p>																																																	
<p><u>Program Funding Summary</u></p> <table border="1"> <thead> <tr> <th></th> <th><u>FY 2000</u></th> <th><u>FY 2001</u></th> <th><u>FY 2002</u></th> <th><u>FY 2003</u></th> <th><u>FY 2004</u></th> <th><u>FY 2005</u></th> <th><u>FY 2006</u></th> <th><u>FY 2007 To Compl</u></th> <th><u>Total Cost</u></th> </tr> </thead> <tbody> <tr> <td>(APPN, BLI #, NOMEN)</td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td>(U) RDT&E,N</td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td>(U) PMC, BLI#</td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> </tbody> </table>											<u>FY 2000</u>	<u>FY 2001</u>	<u>FY 2002</u>	<u>FY 2003</u>	<u>FY 2004</u>	<u>FY 2005</u>	<u>FY 2006</u>	<u>FY 2007 To Compl</u>	<u>Total Cost</u>	(APPN, BLI #, NOMEN)										(U) RDT&E,N										(U) PMC, BLI#									
	<u>FY 2000</u>	<u>FY 2001</u>	<u>FY 2002</u>	<u>FY 2003</u>	<u>FY 2004</u>	<u>FY 2005</u>	<u>FY 2006</u>	<u>FY 2007 To Compl</u>	<u>Total Cost</u>																																								
(APPN, BLI #, NOMEN)																																																	
(U) RDT&E,N																																																	
(U) PMC, BLI#																																																	

UNCLASSIFIED

CLASSIFICATION:

Exhibit R-3 Cost Analysis								DATE: June 2001				
APPROPRIATION/BUDGET ACTIVITY RDT&E, N /BA-4 Dem/Val			PROGRAM ELEMENT 0603635M MC Ground Combat/Supt Arms				PROJECT NUMBER AND NAME C2256 Integrated Infantry Combat System					
Cost Categories (Tailor to WBS, or Sys/Item Requirements)	Contract Method & Type	Performing Activity & Location	Total PY s Cost	FY 00 Cost	FY 00 Award Date	FY 01 Cost	FY 01 Award Date	FY 02 Cost	FY 02 Award Date	Cost to Complete	Total Cost	Target Value of Contract
PRODUCT DEVELOPMENT												
Primary Hardware Dev											0.000	
Ancillary Hardware Dev											0.000	
Systems Engineering											0.000	
Licenses											0.000	
Tooling											0.000	
GFE											0.000	
Award Fees											0.000	
	MIPR	Batelle Corp., Columbus, OH	0.000	0.082	04/00	0.112	10/00	0.150	11/01	0.150	0.494	
	MIPR	SBCCOM, NATICK	0.000	0.085	05/00	0.040	01/01	0.150	12/01	Continuing	Continuing	
	MIPR	SAIC, Corp	0.000	0.297	06/00	0.150	10/00	0.263	12/01	Continuing	Continuing	
	RCP	MCSC Contracts	0.000	0.000		1.981	05/01	0.850	10/01	Continuing	Continuing	
Subtotal Product Dev			0.000	0.464		2.283		1.413		Continuing	Continuing	
Remarks:												
Cost Categories (Tailor to WBS, or System/Item Requirements)	Contract Method & Type	Performing Activity & Location	Total PY s Cost	FY 00 Cost	FY 00 Award Date	FY 01 Cost	FY 01 Award Date	FY 02 Cost	FY 02 Award Date	Cost to Complete	Total Cost	Target Value of Contract
SUPPORT												
Development Support Equip											0.000	
Software Development											0.000	
Training Development											0.000	
Integrated Logistics Support											0.000	
SUPPORT												
Configuration Management											0.000	
Technical Data											0.000	
	RCP	ALS, Inc.	0.036	0.100	10/99					0.000	0.136	
	RCP	Bae, Inc.	0.000	0.000		0.204	10/00	0.225	10/01	Continuing	Continuing	
Subtotal Support			0.036	0.100		0.204		0.225			0.565	
Remarks:												

UNCLASSIFIED

CLASSIFICATION:

Exhibit R-3 Cost Analysis								DATE: June 2001				
APPROPRIATION/BUDGET ACTIVITY RDT&E, N /BA-4 Dem/Val			PROGRAM ELEMENT 0603635M MC Ground Combat/Supt Arms				PROJECT NUMBER AND NAME C2256 Integrated Infantry Combat System					
Cost Categories (Tailor to WBS, or System/Item Requirements)	Contract Method & Type	Performing Activity & Location	Total PY s Cost	FY 00 Cost	FY 00 Award Date	FY 01 Cost	FY 01 Award Date	FY 02 Cost	FY 02 Award Date	Cost to Complete	Total Cost	Target Value of Contract
T&E												
Developmental Test & Eval											0.000	
Operational Test & Eval											0.000	
Tooling											0.000	
											0.000	
Subtotal T&E			0.000	0.000		0.000		0.000		Continuing	Continuing	
Remarks:												
Cost Categories (Tailor to WBS, or System/Item Requirements)	Contract Method & Type	Performing Activity & Location	Total PY s Cost	FY 00 Cost	FY 00 Award Date	FY 01 Cost	FY 01 Award Date	FY 02 Cost	FY 02 Award Date	Cost to Complete	Total Cost	Target Value of Contract
MANAGEMENT												
Prog Mgmt Spt	RCP	Bae, Inc.	0.000	0.000		0.068	10/00	0.075	10/01	Continuing	Continuing	
Travel	WR	MCSC		0.030	10/99	0.026	10/00	0.030	10/01	Continuing	Continuing	
Subtotal Management			0.000	0.030		0.094		0.105		0.000	0.229	
Remarks:												
Total Cost				0.594		2.581		1.743		Continuing	Continuing	

UNCLASSIFIED

CLASSIFICATION:

EXHIBIT R-2a, RDT&E Project Justification					DATE: June 2001					
APPROPRIATION/BUDGET ACTIVITY RDT&E, N /BA-4 Demonstration/Validation		PROGRAM ELEMENT NUMBER AND NAME 0603635M Marine Corps Ground Combat/Supt Arms			PROJECT NUMBER AND NAME C2507 Family of Small Craft					
COST (\$ in Millions)	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	Cost to Complete	Total Program
Project Cost	1.395	1.741	2.930	0.000	0.000	0.000	0.000	0.000	0.000	6.066
RDT&E Articles Qty										

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

(U) The Small Unit Riverine Craft (SURC) will provide tactical mobility as a troop carrier for elements of a Marine Air Ground Task Force (MAGTF) Ground Combat Element (GCE) in the Riverine Environment. The SURC will replace the Rigid Raiding Craft (RRC) which was fielded 12 years ago. It will augment the larger Riverine Assault Craft (RAC) in riverine operations to include troop transport, troop insertion, and extraction, convoy ops, and application of fires.

(U) The Light Strike Craft (LSC) will be the primary mobility platform for Marine Small boat operations in support of Operational Maneuver From the Sea (OMFTS). The LSC will replace a portion of the Combat Rubber Reconnaissance Craft (CRRC), a craft that was not designed for long range over-the-horizon operations.

PROGRAM ACCOMPLISHMENTS AND PLANS

FY 2000 Accomplishments:

- (U) \$ 0.152 Conducted system design and research (ballistic protection, hull component, obscurant systems, engines).
- (U) \$ 0.318 Designed Developmental Test Plan.
- (U) \$ 0.112 Conducted Acoustic Testing on similar craft for baseline data.
- (U) \$ 0.372 Conducted Design modeling.
- (U) \$ 0.371 Conducted Scenario simulation for conventional Riverine operations.
- (U) \$ 0.070 Provided Government Project Management and Documentation Support for the SURC Program.

(U) Total \$ 1.395

FY 2001 Planned Program

- (U) \$ 0.552 Continue Integration and Testing of Non Developmental Item (NDI) System Components / Performance & Functioning Testing.
- (U) \$ 0.752 Fabrication of Developmental Testing (DT) Prototype Craft / Fabrication of Gun Mount.
- (U) \$ 0.300 Continue System Analysis / finalize Prototype Development and Commercial Design / and execution of Developmental Testing Plan.
- (U) \$ 0.093 Continue Government Project Management Office support for the SURC Program.
- (U) \$ 0.044 SBIR: Portion of extramural program reserved for Small Business Innovation Research assessment in accordance with 15 USC 638.

(U) Total \$ 1.741

FY 2002 Planned Program

- (U) \$ 0.125 Design and test of mobility support equipment for Landing Craft Air Cushioned (LCAC), CH-53 Helicopter, Sealift.
- (U) \$ 1.655 Fabrication of Operational Test (OT) Prototype craft.
- (U) \$ 1.075 Operational Test and Eval/ Certification and safety testing.
- (U) \$ 0.075 Program Support.

(U) Total \$ 2.930

UNCLASSIFIED

CLASSIFICATION:

EXHIBIT R-2a, RDT&E Project Justification						DATE: June 2001																																			
APPROPRIATION/BUDGET ACTIVITY		PROGRAM ELEMENT NUMBER AND NAME			PROJECT NUMBER AND NAME																																				
RDT&E, N /BA-4 Demonstration/Validation		0603635M Marine Corps Ground Combat/Supt Arms			C2507 Family of Small Craft																																				
<p>PROJECT CHANGE SUMMARY:</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th style="text-align: right;">FY2000</th> <th style="text-align: right;">FY2001</th> <th style="text-align: right;">FY2002</th> </tr> </thead> <tbody> <tr> <td>(U) FY 2001 President's Budget:</td> <td style="text-align: right;">3.021</td> <td style="text-align: right;">1.757</td> <td style="text-align: right;">0.225</td> </tr> <tr> <td colspan="4">(U) Adjustments from the President's Budget:</td> </tr> <tr> <td> (U) SBIR/STTR Transfer</td> <td style="text-align: right;">-0.001</td> <td></td> <td></td> </tr> <tr> <td> (U) Execution Adjustment</td> <td style="text-align: right;">-0.021</td> <td></td> <td></td> </tr> <tr> <td> (U) Minor Affordability Adjustment</td> <td style="text-align: right;">-0.012</td> <td style="text-align: right;">-0.016</td> <td style="text-align: right;">-0.070</td> </tr> <tr> <td> (U) Program Adjustment</td> <td style="text-align: right;">-1.592</td> <td></td> <td style="text-align: right;">2.775</td> </tr> <tr> <td>(U) FY 2002 President's Budget:</td> <td style="text-align: right;">1.395</td> <td style="text-align: right;">1.741</td> <td style="text-align: right;">2.930</td> </tr> </tbody> </table> <p>CHANGE SUMMARY EXPLANATION:</p> <p>(U) Funding: See Above.</p> <p>(U) Schedule: Not Applicable.</p> <p>(U) Technical: Not Applicable.</p>											FY2000	FY2001	FY2002	(U) FY 2001 President's Budget:	3.021	1.757	0.225	(U) Adjustments from the President's Budget:				(U) SBIR/STTR Transfer	-0.001			(U) Execution Adjustment	-0.021			(U) Minor Affordability Adjustment	-0.012	-0.016	-0.070	(U) Program Adjustment	-1.592		2.775	(U) FY 2002 President's Budget:	1.395	1.741	2.930
	FY2000	FY2001	FY2002																																						
(U) FY 2001 President's Budget:	3.021	1.757	0.225																																						
(U) Adjustments from the President's Budget:																																									
(U) SBIR/STTR Transfer	-0.001																																								
(U) Execution Adjustment	-0.021																																								
(U) Minor Affordability Adjustment	-0.012	-0.016	-0.070																																						
(U) Program Adjustment	-1.592		2.775																																						
(U) FY 2002 President's Budget:	1.395	1.741	2.930																																						
<p>(U) B. OTHER PROGRAM FUNDING SUMMARY:</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;"><u>Line Item No. & Name</u></th> <th style="text-align: right;">FY 2000</th> <th style="text-align: right;">FY 2001</th> <th style="text-align: right;">FY 2002</th> <th style="text-align: right;">FY 2003</th> <th style="text-align: right;">FY 2004</th> <th style="text-align: right;">FY 2005</th> <th style="text-align: right;">FY 2006</th> <th style="text-align: right;">FY 2007 To Compl</th> <th style="text-align: right;">Total Cost</th> </tr> </thead> <tbody> <tr> <td>(U) PMC BLI#643400 Amphib Raid Equip</td> <td style="text-align: right;">0.000</td> <td style="text-align: right;">0.000</td> <td style="text-align: right;">2.349</td> <td style="text-align: right;">0.000</td> <td style="text-align: right;">0.000</td> <td style="text-align: right;">0.000</td> <td style="text-align: right;">0.000</td> <td style="text-align: right;">0.000</td> <td style="text-align: right;">Continuing</td> </tr> </tbody> </table> <p>(U) Related RDT&E: Not Applicable.</p>										<u>Line Item No. & Name</u>	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007 To Compl	Total Cost	(U) PMC BLI#643400 Amphib Raid Equip	0.000	0.000	2.349	0.000	0.000	0.000	0.000	0.000	Continuing												
<u>Line Item No. & Name</u>	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007 To Compl	Total Cost																																
(U) PMC BLI#643400 Amphib Raid Equip	0.000	0.000	2.349	0.000	0.000	0.000	0.000	0.000	Continuing																																
<p>(U) C. ACQUISITION STRATEGY: * An explanation of acquisition, management, and contracting strategies shall be provided for each project.</p> <p>The acquisition strategy consists of a market survey to identify Off-The-Shelf / Non-Developmental Item1 baseline competitors. This will be followed by a release of desired capabilities/specifications and establishment of the trade space parameters. Currently, we anticipate a dual-stage downselect. The program is poised for the purchase of prototypes but is being held while programmatic insights are being gleaned from a the Marine Corps Systems Command's purchase of Commercial Off-The-Shelf forklifts.</p>																																									

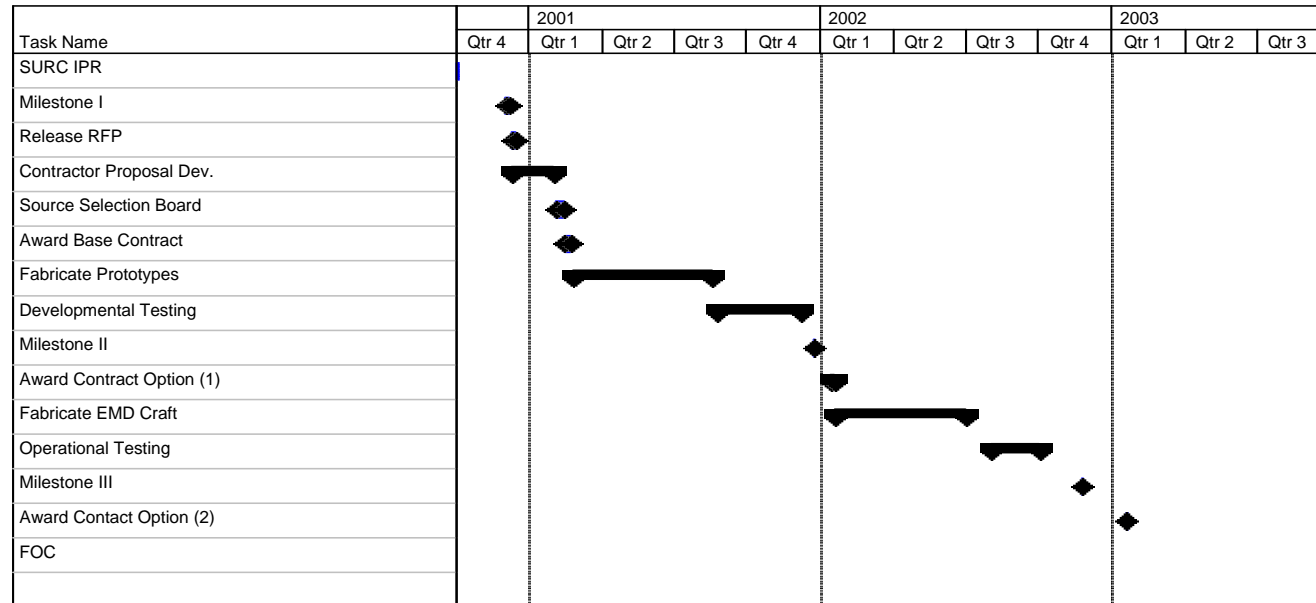
UNCLASSIFIED

CLASSIFICATION:

EXHIBIT R-2a, RDT&E Project Justification		DATE:
		June 2001
APPROPRIATION/BUDGET ACTIVITY	PROGRAM ELEMENT NUMBER AND NAME	PROJECT NUMBER AND NAME
RDT&E, N /BA-4 Demonstration/Validation	0603635M Marine Corps Ground Combat/Supt Arms	C2507 Family of Small Craft

(U) D. SCHEDULE PROFILE:

SMALL UNIT RIVERINE CRAFT (SURC)



Program Funding Summary

(APPN, BLI #, NOMEN)

	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Compl	Total Cost
(U) RDT&E,N	1.395	1.741	2.930	0.000	0.000	0.000	0.000	0.000	0.000	6.066
(U) PMC,BLI#643400,Amphib Raid Eq	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

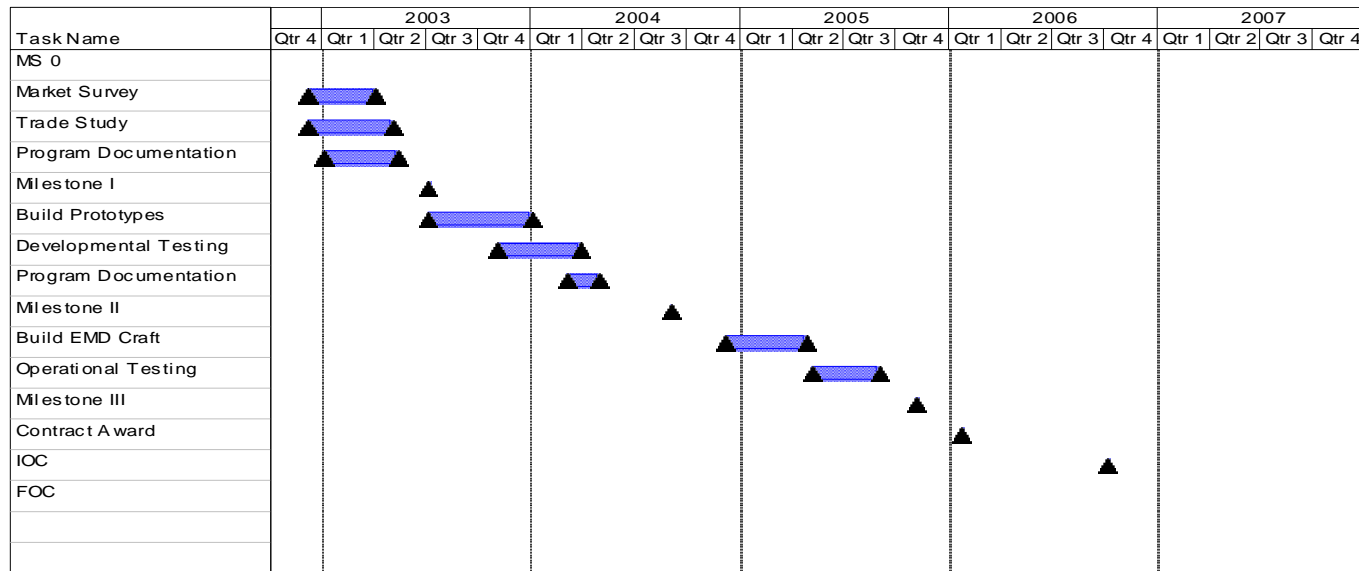
UNCLASSIFIED

CLASSIFICATION:

EXHIBIT R-2a, RDT&E Project Justification			DATE:		June 2001
APPROPRIATION/BUDGET ACTIVITY	PROGRAM ELEMENT NUMBER AND NAME			PROJECT NUMBER AND NAME	
RDT&E, N /BA-4 Demonstration/Validation	0603635M Marine Corps Ground Combat/Supt Arms			C2507 Family of Small Craft	

(U) D. SCHEDULE PROFILE:

LIGHT STRIKE CRAFT (LSC)



Program Funding Summary

(APPN, BLI #, NOMEN)

	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Compl	Total Cost
(U) RDT&E,N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
(U) PMC,BLI#643400,Amphib Raid Eq (LSC)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	Continuing	Continuing

UNCLASSIFIED

CLASSIFICATION:

Exhibit R-3 Cost Analysis								DATE: June 2001				
APPROPRIATION/BUDGET ACTIVITY RDT&E, N /BA-4 Dem/Val			PROGRAM ELEMENT 0603635M MC Ground Combat/Supt Arms				PROJECT NUMBER AND NAME C2507 Family of Small Craft					
Cost Categories (Tailor to WBS, or Sys/Item Requirements)	Contract Method & Type	Performing Activity & Location	Total PY s Cost	FY 00 Cost	FY 00 Award Date	FY 01 Cost	FY 01 Award Date	FY 02 Cost	FY 02 Award Date	Cost to Complete	Total Cost	Target Value of Contract
PRODUCT DEV												
Primary Hardware Dev											0.000	
Ancillary Hardware Dev											0.000	
Systems Engineering											0.000	
Licenses											0.000	
Tooling											0.000	
GFE											0.000	
Award Fees											0.000	
	WR	NSWC Carderock, Suffolk,VA	0.000	1.227	12/99	0.552	10/00	0.300	10/01	Continuing	Continuing	
	WR	NSWC Carderock, Suffolk,VA	0.000	0.075	12/99	0.800	10/00	1.780	10/01	Continuing	Continuing	
Subtotal Product Dev			0.000	1.302		1.352		2.080		Continuing	Continuing	
Remarks:												
Cost Categories (Tailor to WBS, or System/Item Requirements)	Contract Method & Type	Performing Activity & Location	Total PY s Cost	FY 00 Cost	FY 00 Award Date	FY 01 Cost	FY 01 Award Date	FY 02 Cost	FY 02 Award Date	Cost to Complete	Total Cost	Target Value of Contract
SUPPORT												
Development Support Equip											0.000	
Software Development											0.000	
Training Development											0.000	
Integrated Logistics Support											0.000	
Configuration Management											0.000	
Technical Data											0.000	
	RCP	ALS BAE Inc., Triangle, VA	0.000	0.040	10/99	0.089	10/00	0.075	10/01	Continuing	Continuing	
Subtotal Support			0.000	0.040		0.089		0.075				
Remarks:												

UNCLASSIFIED

CLASSIFICATION:

Exhibit R-3 Cost Analysis								DATE: June 2001				
APPROPRIATION/BUDGET ACTIVITY RDT&E, N /BA-4 Dem/Val			PROGRAM ELEMENT 0603635M MC Ground Combat/Supt Arms				PROJECT NUMBER AND NAME C2507 Family of Small Craft					
Cost Categories (Tailor to WBS, or System/Item Requirements)	Contract Method & Type	Performing Activity & Location	Total PY s Cost	FY 00 Cost	FY 00 Award Date	FY 01 Cost	FY 01 Award Date	FY 02 Cost	FY 02 Award Date	Cost to Complete	Total Cost	Target Value of Contract
Developmental Test & Eval T&E											0.000	
Operational Test & Eval											0.000	
Tooling											0.000	
	WR	NSWC, Carderock, Suffolk, VA	0.000	0.053	12/99	0.300	10/00	0.775	10/01	Continuing	Continuing	
Subtotal T&E			0.000	0.053		0.300		0.775		Continuing	Continuing	
Remarks:												
Cost Categories (Tailor to WBS, or System/Item Requirements)	Contract Method & Type	Performing Activity & Location	Total PY s Cost	FY 00 Cost	FY 00 Award Date	FY 01 Cost	FY 01 Award Date	FY 02 Cost	FY 02 Award Date	Cost to Complete	Total Cost	Target Value of Contract
MANAGEMENT												
											0.000	
											0.000	
											0.000	
											0.000	
											0.000	
											0.000	
Subtotal Management			0.000	0.000		0.000		0.000		0.000	0.000	
Remarks:												
Total Cost				1.395		1.741		2.930		Continuing	Continuing	

UNCLASSIFIED

CLASSIFICATION:

EXHIBIT R-2a, RDT&E Project Justification							DATE:			
							June 2001			
APPROPRIATION/BUDGET ACTIVITY	PROGRAM ELEMENT NUMBER AND NAME				PROJECT NUMBER AND NAME					
RDT&E, N /BA-4 Demonstration/Validation	0603635M Marine Corps Ground Combat/Supt Arms				C2508 Internally Transportable Vehicle (ITV)					
COST (\$ in Millions)	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	Cost to Complete	Total Program
Project Cost	4.897	6.570	2.451	0.000	0.000	0.000	0.000	0.000	0.000	13.918
RDT&E Articles Qty		8								

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

The Internally Transportable Vehicles (ITV) program was previously known as the Light Strike Vehicle (LSV) program. This project develops a joint MV-22 aircraft transportable family of light tactical, wheeled vehicles. The ITV's will provide reconnaissance units with a high mobility weapons platform. Follow-on variants will address logistics, command and control, medical and personnel movement missions. The ITV will replace the Fast Attack Vehicles (FAVs) currently employed throughout the Marine Air Ground Task Force (MAGTF).

PROGRAM ACCOMPLISHMENTS AND PLANS

FY 2000 Accomplishments:

- (U) \$ 4.200 Forward Finance of Demonstration and Validation for two contractors. The Milestone Decision Authority (MDA) changed the Acquisition Strategy from a developmental item to a Non-Developmental Item (NDI) Strategy resulting in a reduction of \$9.3M over the FYDP.
 - (U) \$ 0.628 Provided associated engineering efforts in support of Dem/Val.
 - (U) \$ 0.019 Provided In House program management and travel.
 - (U) \$ 0.050 Prepared for automotive test rig testing.
- (U) Total \$ 4.897

FY 2001 Planned Program

- (U) \$ 4.869 Complete Demonstration and Validation for FY 2000 and FY 2001 funds.
 - (U) \$ 0.086 Provide In House program management and travel.
 - (U) \$ 0.430 Provide Engineering and Logistic Support.
 - (U) \$ 0.131 SBIR: Portion of extramural program reserved for Small Business Innovation Research assessment in accordance with 15 USC 638.
 - (U) \$ 1.054 Conduct Automotive, Aircraft, Weapons, and Reliability testing.
- (U) Total \$ 6.570

FY 2002 Planned Program

- (U) \$ 1.600 Refurbish vehicles, begin mission role variant development.
 - (U) \$ 0.400 Conduct IOT&E and aircraft certification testing.
 - (U) \$ 0.058 Provide In House program management and travel.
 - (U) \$ 0.393 Provide Engineering and Logistic Support.
- (U) Total \$ 2.451

UNCLASSIFIED

CLASSIFICATION:

EXHIBIT R-2a, RDT&E Project Justification						DATE:			
						June 2001			
APPROPRIATION/BUDGET ACTIVITY		PROGRAM ELEMENT NUMBER AND NAME			PROJECT NUMBER AND NAME				
RDT&E, N /BA-4 Demonstration/Validation		0603635M Marine Corps Ground Combat/Supt Arms			C2508 Internally Transportable Vehicle (ITV)				
PROJECT CHANGE SUMMARY:									
		FY2000	FY2001	FY2002					
(U) FY 2001 President's Budget:		5.196	6.630	6.073					
(U) Adjustments from the President's Budget:									
(U) SBIR/STTR Transfer		-0.007							
(U) Execution Adjustment		-0.286							
(U) Minor Affordability Adjustment		-0.006	-0.060	-0.049					
(U) Program Adjustment				-3.573					
(U) FY 2002 President's Budget:		4.897	6.570	2.451					
CHANGE SUMMARY EXPLANATION:									
(U) Funding: See Above.									
(U) Schedule: Engineering Manufacturing Development (EMD) phase of program combined into DEM/VAL for one R&D program phase. IOC planned for FY03.									
(U) Technical: Implementation of a Non-Developmental acquisition strategy, early delivery of test articles, and greater testing with a "fly before buy" strategy.									
(U) B. OTHER PROGRAM FUNDING SUMMARY:									
Line Item No. & Name	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007 To Compl	Total Cost
(U) PMC BLI# 654500 Family of ITV	0.000	0.000	4.852	0.000	0.000	0.000	0.000	0.000 Continuing	Continuing
(U) Related RDT&E: USSOCOM joint participation in ITV program – USSOCOM funding applied toward their mission specific vehicle variants.									
(U) C. ACQUISITION STRATEGY: The program is full and open competition, looking for the "best value" approach to satisfy the operational requirements. The program has both an Acquisition Strategy and an Acquisition Plan that addresses the total program fielding. Following solicitation, one contractor will be selected to perform any necessary analyses on their ITV base chassis and family of vehicle definition. The contractor will deliver 8 prototypes in FY 00 for verification testing prior to Initial Operational Test and Evaluation on the weapons carrier version. Follow-on testing will take place in FY 02, prior to start of purchase of vehicles in FY 03 for approximately 866 vehicles (33% of the procurement objective). 33% of the fleet will be procured in each year of FY 04 and FY 05.									

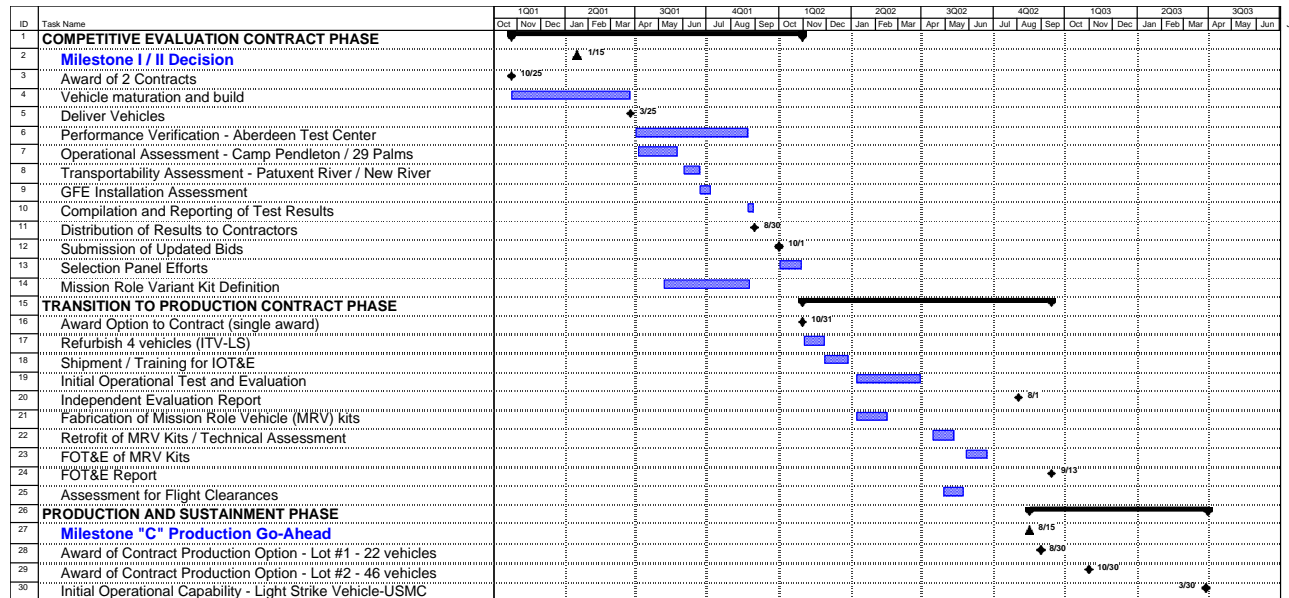
UNCLASSIFIED

CLASSIFICATION:

EXHIBIT R-2a, RDT&E Project Justification						DATE:		June 2001	
---	--	--	--	--	--	-------	--	-----------	--

APPROPRIATION/BUDGET ACTIVITY		PROGRAM ELEMENT NUMBER AND NAME		PROJECT NUMBER AND NAME	
RDT&E, N /BA-4 Demonstration/Validation		0603635M Marine Corps Ground Combat/Supt Arms		C2508 Internally Transportable Vehicle (ITV)	

(U) D. SCHEDULE PROFILE:



Program Funding Summary (APPN, BLI #, NOMEN)	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Compl	Total Cost
(U) RDT&E,N	4.897	6.570	2.451	0.000	0.000	0.000	0.000	0.000	0.000	13.918
(U) PMC BLI# 654500 Family of ITV			4.852	0.000	0.000	0.000	0.000	0.000	Continuing	Continuing

UNCLASSIFIED

CLASSIFICATION:

Exhibit R-3 Cost Analysis								DATE:				
								June 2001				
APPROPRIATION/BUDGET ACTIVITY			PROGRAM ELEMENT				PROJECT NUMBER AND NAME					
RDT&E, N /BA-4 Dem/Val			0603635M MC Ground Combat/Supt Arms				C2508 Internally Transportable Vehicle (ITV)					
Cost Categories (Tailor to WBS, or Sys/Item Requirements)	Contract Method & Type	Performing Activity & Location	Total PY s Cost	FY 00 Cost	FY 00 Award Date	FY 01 Cost	FY 01 Award Date	FY 02 Cost	FY 02 Award Date	Cost to Complete	Total Cost	Target Value of Contract
Primary Hardware Dev											0.000	
Ancillary Hardware Dev											0.000	
Systems Engineering											0.000	
Licenses											0.000	
Tooling											0.000	
GFE											0.000	
Award Fees											0.000	
	RCP	MCSC	0.000	4.200	10/00	5.000	02/01	1.600	10/01	0.000	10.800	
Subtotal Product Dev			0.000	4.200		5.000		1.600		0.000	10.800	
Remarks:												
Cost Categories (Tailor to WBS, or System/Item Requirements)	Contract Method & Type	Performing Activity & Location	Total PY s Cost	FY 00 Cost	FY 00 Award Date	FY 01 Cost	FY 01 Award Date	FY 02 Cost	FY 02 Award Date	Cost to Complete	Total Cost	Target Value of Contract
Development Support Equip											0.000	
Software Development											0.000	
Training Development											0.000	
Integrated Logistics Support											0.000	
Configuration Management											0.000	
Technical Data											0.000	
	WR	NSWC, Carderock	0.000	0.346		0.100		0.100		0.000	0.546	
	MIPR	WES Army Eng	0.000	0.075		0.050		0.000		0.000	0.125	
	WR	NAWC, AD	0.000	0.075		0.100		0.093		0.000	0.268	
	WR	NSWC Crane	0.000	0.035		0.000		0.000		0.000	0.035	
	WR	MCSC	0.000	0.056		0.086		0.058		0.000	0.200	
	MIPR	TACOM (PM)	0.000	0.060		0.180		0.200		0.000	0.440	
Subtotal Support			0.000	0.647		0.516		0.451		0.000	1.614	
Remarks:												

UNCLASSIFIED

CLASSIFICATION:

Exhibit R-3 Cost Analysis								DATE: June 2001				
APPROPRIATION/BUDGET ACTIVITY RDT&E, N /BA-4 Dem/Val			PROGRAM ELEMENT 0603635M MC Ground Combat/Supt Arms				PROJECT NUMBER AND NAME C2508 Internally Transportable Vehicle (ITV)					
Cost Categories (Tailor to WBS, or System/Item Requirements)	Contract Method & Type	Performing Activity & Location	Total PY s Cost	FY 00 Cost	FY 00 Award Date	FY 01 Cost	FY 01 Award Date	FY 02 Cost	FY 02 Award Date	Cost to Complete	Total Cost	Target Value of Contract
Developmental Test & Eval											0.000	
Operational Test & Eval											0.000	
Tooling											0.000	
	MIPR	APG, Test Center	0.000	0.050		0.854		0.250			1.154	
	WR	NAWC, AD	0.000	0.000		0.200		0.150			0.350	
Subtotal T&E			0.000	0.050		1.054		0.400		0.000	1.504	
Remarks:												
Cost Categories (Tailor to WBS, or System/Item Requirements)	Contract Method & Type	Performing Activity & Location	Total PY s Cost	FY 00 Cost	FY 00 Award Date	FY 01 Cost	FY 01 Award Date	FY 02 Cost	FY 02 Award Date	Cost to Complete	Total Cost	Target Value of Contract
Contractor Eng Suppt											0.000	
Govt Engineering Suppt											0.000	
Program Mngmnt Suppt											0.000	
Travel											0.000	
Labor (Research Personnel)											0.000	
Overhead											0.000	
Subtotal Management			0.000	0.000		0.000		0.000		0.000	0.000	
Remarks:												
Total Cost				4.897		6.570		2.451		0.000	13.918	

UNCLASSIFIED

CLASSIFICATION:

EXHIBIT R-2a, RDT&E Project Justification							DATE:			
							June 2001			
APPROPRIATION/BUDGET ACTIVITY	PROGRAM ELEMENT NUMBER AND NAME				PROJECT NUMBER AND NAME					
RDT&E, N /BA-4 Demonstration/Validation	0603635M Marine Corps Ground Combat/Supt Arms				C2614 SMAW Follow-on					
COST (\$ in Millions)	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	Cost to Complete	Total Program
Project Cost	2.922	2.972	0.000	0.000	0.000	0.000	0.000	0.000	0.000	Cont.
RDT&E Articles Qty										

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

FOTS is an accurate, lightweight, assault weapon designed to defeat a variety of targets on the battlefield. It consists of a launcher, sighting and fire control system, and projectile. FOTS will replace the Shoulder-Launcher Multi-Purpose Assault Weapon (SMAW) without loss of present capabilities while providing: 1) fire from enclosure capability, 2) reduced launcher signature, 3) increased lethality, 4) greater breaching effects, 5) lighter weight, 6) increased reliability, and 7) increased availability.

PROGRAM ACCOMPLISHMENTS AND PLANS

FY 2000 Accomplishments:

- (U) \$ 0.308 International Business Strategy Analysis Conducted.
 - (U) \$ 1.300 Continue propulsion system technology (fire from enclosure) demonstration effort.
 - (U) \$ 0.012 Provided govt. Program Management / In-House Support.
 - (U) \$ 0.007 Provided govt. Engineering and Technical Support.
 - (U) \$ 1.295 Forward Financed activities into FY 01.
- (U) Total \$ 2.922

FY 2001 Planned Program: See Note (*)

- (U) \$ 2.000 Continue Warhead Development/Risk Reduction.
 - (U) \$ 0.602 Provide govt. Program Management / In-House Support.
 - (U) \$ 0.306 Provide govt. engineering and technical support.
 - (U) \$ 0.000 *\$1295 Forward Financed activities from FY 00 to complete propulsion system technology (fire from enclosure) demonstration effort.
 - (U) \$ 0.064 SBIR: Portion of extramural program reserved for Small Business Innovation Research assessment in accordance with 15 USC 638.
- (U) Total \$ 2.972

FY 2002 Planned Program

- (U) \$ 0.000 Not Applicable
- (U) Total \$ 0.000

UNCLASSIFIED

CLASSIFICATION:

EXHIBIT R-2a, RDT&E Project Justification						DATE: June 2001																																																																																																												
APPROPRIATION/BUDGET ACTIVITY		PROGRAM ELEMENT NUMBER AND NAME				PROJECT NUMBER AND NAME																																																																																																												
RDT&E, N /BA-4 Demonstration/Validation		0603635M Marine Corps Ground Combat/Supt Arms				C2614 SMAW Follow-on																																																																																																												
<p>PROJECT CHANGE SUMMARY:</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 60%;"></th> <th style="width: 10%; text-align: right;">FY2000</th> <th style="width: 10%; text-align: right;">FY2001</th> <th style="width: 10%; text-align: right;">FY2002</th> <th colspan="3"></th> </tr> </thead> <tbody> <tr> <td>(U) FY 2001 President's Budget:</td> <td style="text-align: right;">2.984</td> <td style="text-align: right;">0.000</td> <td style="text-align: right;">0.000</td> <td colspan="3"></td> </tr> <tr> <td colspan="7">(U) Adjustments from the President's Budget:</td> </tr> <tr> <td> (U) SBIR/STTR Transfer</td> <td></td> <td></td> <td></td> <td colspan="3"></td> </tr> <tr> <td> (U) Execution Adjustment</td> <td></td> <td></td> <td></td> <td colspan="3"></td> </tr> <tr> <td> (U) Minor Affordability Adjustment</td> <td style="text-align: right;">-0.062</td> <td style="text-align: right;">-0.028</td> <td></td> <td colspan="3"></td> </tr> <tr> <td> (U) Program Adjustment</td> <td></td> <td style="text-align: right;">3.000</td> <td></td> <td colspan="3"></td> </tr> <tr> <td>(U) FY 2002 President's Budget:</td> <td style="text-align: right;">2.922</td> <td style="text-align: right;">2.972</td> <td style="text-align: right;">0.000</td> <td colspan="3"></td> </tr> <tr> <td colspan="7">CHANGE SUMMARY EXPLANATION:</td> </tr> <tr> <td colspan="7">(U) Funding: See Above.</td> </tr> <tr> <td colspan="7">(U) Schedule: Not Applicable.</td> </tr> <tr> <td colspan="7">(U) Technical: Not Applicable.</td> </tr> </tbody> </table> <p>(U) B. OTHER PROGRAM FUNDING SUMMARY:</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 25%; text-align: left;"><u>Line Item No. & Name</u></th> <th style="width: 7.5%; text-align: right;">FY 2000</th> <th style="width: 7.5%; text-align: right;">FY 2001</th> <th style="width: 7.5%; text-align: right;">FY 2002</th> <th style="width: 7.5%; text-align: right;">FY 2003</th> <th style="width: 7.5%; text-align: right;">FY 2004</th> <th style="width: 7.5%; text-align: right;">FY 2005</th> <th style="width: 7.5%; text-align: right;">FY 2006</th> <th style="width: 7.5%; text-align: right;">FY 2007 To Compl</th> <th style="width: 7.5%; text-align: right;">Total Cost</th> </tr> </thead> <tbody> <tr> <td>(U) 220900; Mod Kits:Arty&Other</td> <td style="text-align: right;">0.000</td> <td style="text-align: right;">0.000</td> <td style="text-align: right;">0.000</td> <td style="text-align: right;">0.000</td> <td style="text-align: right;">0.000</td> <td style="text-align: right;">0.000</td> <td style="text-align: right;">0.000</td> <td style="text-align: right;">0.000</td> <td style="text-align: right;">Cont. Cont.</td> </tr> </tbody> </table> <p>(U) Related RDT&E: Not Applicable.</p> <p>(U) C. ACQUISITION STRATEGY:</p> <p>The acquisition strategy for Follow-On-To-Shoulder Mounted Assault Weapon (FOTS) represents a fundamental shift from the traditional military systems acquisition paradigm in which external market demand is leveraged by offering a fully developed system to external markets. Rather, the FOTS acquisition will strive to let the market place influence the determination of the ultimate design of the weapon. The concept and technology phase will be sole source, cost plus fixed fee. System development and demonstration phase will be full and open competition, cost plus fixed fee.</p>												FY2000	FY2001	FY2002				(U) FY 2001 President's Budget:	2.984	0.000	0.000				(U) Adjustments from the President's Budget:							(U) SBIR/STTR Transfer							(U) Execution Adjustment							(U) Minor Affordability Adjustment	-0.062	-0.028					(U) Program Adjustment		3.000					(U) FY 2002 President's Budget:	2.922	2.972	0.000				CHANGE SUMMARY EXPLANATION:							(U) Funding: See Above.							(U) Schedule: Not Applicable.							(U) Technical: Not Applicable.							<u>Line Item No. & Name</u>	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007 To Compl	Total Cost	(U) 220900; Mod Kits:Arty&Other	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	Cont. Cont.
	FY2000	FY2001	FY2002																																																																																																															
(U) FY 2001 President's Budget:	2.984	0.000	0.000																																																																																																															
(U) Adjustments from the President's Budget:																																																																																																																		
(U) SBIR/STTR Transfer																																																																																																																		
(U) Execution Adjustment																																																																																																																		
(U) Minor Affordability Adjustment	-0.062	-0.028																																																																																																																
(U) Program Adjustment		3.000																																																																																																																
(U) FY 2002 President's Budget:	2.922	2.972	0.000																																																																																																															
CHANGE SUMMARY EXPLANATION:																																																																																																																		
(U) Funding: See Above.																																																																																																																		
(U) Schedule: Not Applicable.																																																																																																																		
(U) Technical: Not Applicable.																																																																																																																		
<u>Line Item No. & Name</u>	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007 To Compl	Total Cost																																																																																																									
(U) 220900; Mod Kits:Arty&Other	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	Cont. Cont.																																																																																																									

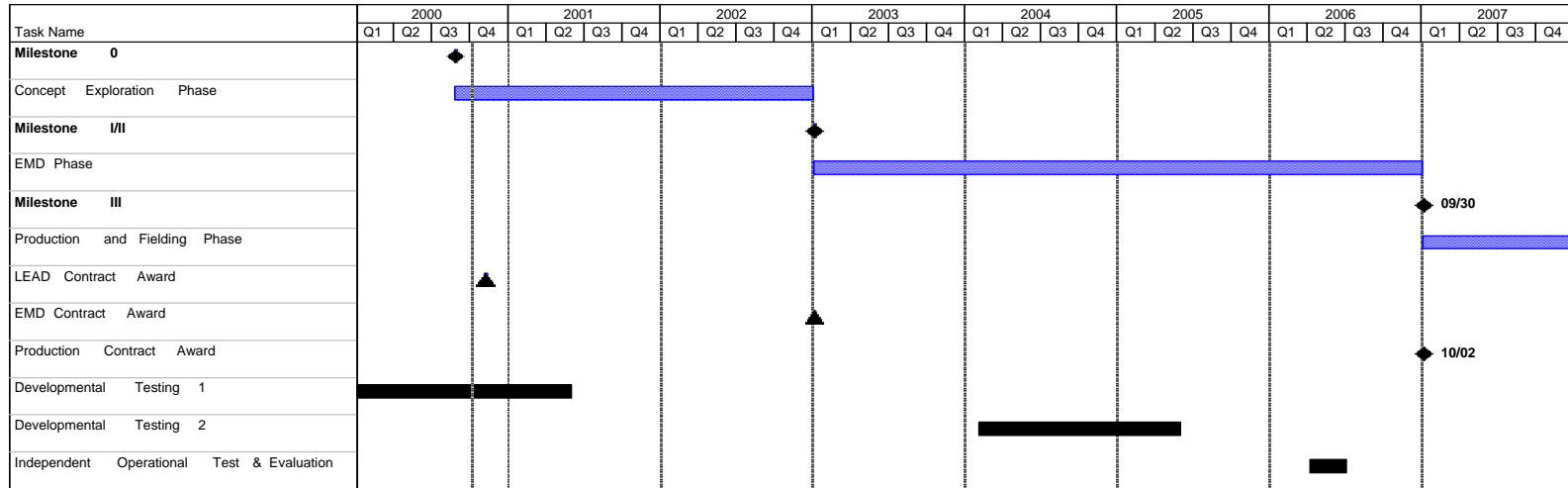
UNCLASSIFIED

CLASSIFICATION:

EXHIBIT R-2a, RDT&E Project Justification			DATE:
			June 2001
APPROPRIATION/BUDGET ACTIVITY	PROGRAM ELEMENT NUMBER AND NAME	PROJECT NUMBER AND NAME	
RDT&E, N /BA-4 Demonstration/Validation	0603635M Marine Corps Ground Combat/Supt Arms	C2614 SMAW Follow-on	

(U) D. SCHEDULE PROFILE:

FOLLOW ON TO SMAW (FOTS)



Program Funding Summary

	<u>FY 2000</u>	<u>FY 2001</u>	<u>FY 2002</u>	<u>FY 2003</u>	<u>FY 2004</u>	<u>FY 2005</u>	<u>FY 2006</u>	<u>FY 2007</u>	<u>To Compl</u>	<u>Total Cost</u>
(U) RDT&E,N	2.922	2.972	0.000	0.000	0.000	0.000	0.000	0.000	0.000	5.894
(U) 220900; Mod Kits:Arty&Other	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

R-1 SHOPPING LIST - Item No. 68

UNCLASSIFIED

UNCLASSIFIED

CLASSIFICATION:

Exhibit R-3 Cost Analysis								DATE: June 2001				
APPROPRIATION/BUDGET ACTIVITY RDT&E, N /BA-4 Dem/Val			PROGRAM ELEMENT 0603635M MC Ground Combat/Supt Arms				PROJECT NUMBER AND NAME C2614 SMAW Follow-on					
Cost Categories (Tailor to WBS, or Sys/Item Requirements)	Contract Method & Type	Performing Activity & Location	Total PY s Cost	FY 00 Cost	FY 00 Award Date	FY 01 Cost	FY 01 Award Date	FY 02 Cost	FY 02 Award Date	Cost to Complete	Total Cost	Target Value of Contract
PRODUCT DEVELOPMENT												
Primary Hardware Dev											0.000	
Ancillary Hardware Dev											0.000	
Systems Engineering											0.000	
Licenses											0.000	
Tooling											0.000	
GFE											0.000	
Award Fees											0.000	
	SS/RCP	CMS Defense Systems, Titusville, FL	2.400	0.200	12/99	0.000		0.000		0.000	2.600	
	SS/RCP	InvenCom Inc., Charlotte, NC	0.000	1.300	08/00	0.000		0.000		0.000	1.300	
	C/RCP	TBD Contractor	0.000	0.000		2.000	12/00	0.000		Continuing	Continuing	
Subtotal Product Dev			2.400	1.500		2.000		0.000		Continuing	Continuing	
Remarks:												
Cost Categories (Tailor to WBS, or System/Item Requirements)	Contract Method & Type	Performing Activity & Location	Total PY s Cost	FY 00 Cost	FY 00 Award Date	FY 01 Cost	FY 01 Award Date	FY 02 Cost	FY 02 Award Date	Cost to Complete	Total Cost	Target Value of Contract
SUPPORT												
Development Support Equip											0.000	
Software Development											0.000	
Training Development											0.000	
Integrated Logistics Support											0.000	
Configuration Management											0.000	
Technical Data											0.000	
	WR/RCP	NSWC, Dahlgren, VA	1.300	0.907	12/99	0.370	12/00	0.000		Continuing	Continuing	
	RCP	ALS Inc., Dumfries, VA	0.005	0.022	12/99					0.000	0.027	
	RCP	Telecolote Inc., Huntsville, AL	0.000	0.124	06/00	0.000		0.000		0.000	0.124	
		TBD		0.073		0.492		0.000		0.000	0.565	
Subtotal Support			1.305	1.126		0.862		0.000		0.000	0.716	
Remarks:												

UNCLASSIFIED

CLASSIFICATION:

Exhibit R-3 Cost Analysis								DATE:				
								June 2001				
APPROPRIATION/BUDGET ACTIVITY			PROGRAM ELEMENT				PROJECT NUMBER AND NAME					
RDT&E, N /BA-4 Dem/Val			0603635M MC Ground Combat/Supt Arms				C2614 SMAW Follow-on					
Cost Categories (Tailor to WBS, or System/Item Requirements)	Contract Method & Type	Performing Activity & Location	Total PY s Cost	FY 00 Cost	FY 00 Award Date	FY 01 Cost	FY 01 Award Date	FY 02 Cost	FY 02 Award Date	Cost to Complete	Total Cost	Target Value of Contract
Developmental Test & Eval											0.000	
T&E												
Operational Test & Eval											0.000	
Tooling											0.000	
Subtotal T&E			0.000	0.000		0.000		0.000		Continuing	Continuing	
Remarks:												
Cost Categories (Tailor to WBS, or System/Item Requirements)	Contract Method & Type	Performing Activity & Location	Total PY s Cost	FY 00 Cost	FY 00 Award Date	FY 01 Cost	FY 01 Award Date	FY 02 Cost	FY 02 Award Date	Cost to Complete	Total Cost	Target Value of Contract
MANAGEMENT												
	WR	MCSC, Quantico, VA	0.000	0.296	06/00	0.110		0.000		0.000	0.406	
Subtotal Management			0.000	0.296		0.110		0.000		0.000	0.406	
Remarks:												
Total Cost				2.922		2.972		0.000		Continuing	Continuing	