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Exhibit R-2, RDT&E Budget Item Justification: PB 2013 Navy	DATE: February 2012
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APPROPRIATION/BUDGET ACTIVITY				R-1 ITEM NOMENCLATURE							
1319: Research, Development, Test & Evaluation, Navy BA 5: Development & Demonstration (SDD)				PE 0604376M: (U)Marine Air Grnd Task Force(MAGTF)EW for Aviatio							
COST (\$ in Millions)	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	Cost To Complete	Total Cost
Total Program Element	-	-	10.568	-	10.568	12.203	9.218	3.288	3.207	Continuing	Continuing
3327: MAGTF EW Aviation Development	-	-	10.568	-	10.568	12.203	9.218	3.288	3.207	Continuing	Continuing

A. Mission Description and Budget Item Justification

This program element includes development of Electronic Warfare (EW) systems for the United States Marine Corps (USMC) tactical aircraft, USMC helicopters, unmanned air vehicles, data link vulnerability assessments, precision targeting, USN and USMC radio frequency jammers, and development and testing of EW devices on emerging platforms to combat emerging threats and emergency contingencies.

B. Program Change Summary (\$ in Millions)	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total
Previous President's Budget	-	-	-	-	-
Current President's Budget	-	-	10.568	-	10.568
Total Adjustments	-	-	10.568	-	10.568
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-			
• Program Adjustments	-	-	10.674	-	10.674
• Rate/Misc Adjustments	-	-	-0.106	-	-0.106

Change Summary Explanation

* Prior to FY13, this Program Element (PE) and Project Unit (PU) were funded under PE 0604270N, PU 3327.

Electronic Warfare Battle Management Schedule shifted from first quarter FY2013 to first quarter FY2014 due to OCO funding reduction in FY2013.

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Exhibit R-2A, RDT&E Project Justification: PB 2013 Navy									DATE: February 2012		
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COST (\$ in Millions)	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	Cost To Complete	Total Cost
3327: MAGTF EW Aviation Development	-	-	10.568	-	10.568	12.203	9.218	3.288	3.207	Continuing	Continuing
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0	0		

A. Mission Description and Budget Item Justification

This project unit supports the United States Marine Corps development of Marine Air Ground Task Force (MAGTF) Electronic Warfare (EW) and the various elements of its distributed System of Systems (SoS) that support the Commandant of the Marine Corps' Strategy and Vision 2025 and Joint Vision 2025. The SoS will address MAGTF EW sufficiency gaps in the areas of Electronic Attack, EW Support, and Electronic Protection with a multitude of payloads designed for carriage on a variety of organic MAGTF air and ground assets. Payload development plans follow an adaptable, modular and open architecture philosophy to combat the increasing capability gap and enable future growth at a reduced operational and sustainment cost.

Prior to FY11, Intrepid Tiger II efforts were budgeted under Program Element (PE) 0604270N, Project Unit (PU) 0556.
In FY12, Intrepid Tiger II efforts were budgeted under PE 0604270N, PU 3327

B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)

	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total
Title: MAGTF EW Software Reprogrammable Payload (SRP)	-	-	4.633	-	4.633
Articles:			0		0
FY 2013 Base Plans: Continue transition of SRP and associated components; Collaborative EW/EW Battle Management, EW Services Architecture (formerly Collaborative Online Reconnaissance Provider Operationally Responsive Attack Link), and Intrepid Tiger II(v)2 from its Joint Capabilities Technology Demonstration into a viable capability.					
Title: Intrepid Tiger II (v)1 (ALQ-231)	-	-	4.735	-	4.735
Articles:			0		0
FY 2013 Base Plans: Integrate Intrepid Tiger II (v)1 (ALQ-231) on United States Marine Corps rotary wing platforms to include AH-1 and UH-1 Type/Model/Series. Continue to mature hardware technology, update targeting techniques, and correct identified software discrepancies. Implement logistics plans to support and sustain rotary wing requirements.					
Title: EA-6B Multifunctional Information Distribution System Block Upgrade	-	-	1.200	-	1.200
Articles:			0		0

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B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total
<i>FY 2013 Base Plans:</i> Development and testing of the Link-16 modification. These data link enhancements will enable the EA-6B Improved Capability III continued participation within Force Net and synthesize electronic attack contributions within Network Centric Warfare to provide greater Electronic Warfare (EW) situational awareness to the warfighter.					
Accomplishments/Planned Programs Subtotals	-	-	10.568	-	10.568

C. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	Cost To Complete	Total Cost
• 0587: <i>MAGTF EW for Aviation</i>	2.600	0.489	10.527	23.600	34.127	14.446	20.507	8.006	6.095	Continuing	Continuing

D. Acquisition Strategy
This project unit is part of United States Marine Corps led efforts to ensure Marine Corps requirements are included in the budget process for the Future Year Defense Program and beyond. These efforts include Software Reprogrammable Payload, Intrepid Tiger II(v)1 (ALQ-231), Intrepid Tiger II(v)2, Collaborative Electronic Warfare (EW)/EW Battle Management, EW Payload, and EW Service Architecture (formerly Collaborative Online Reconnaissance Provider Operationally Responsive Attack Link). These programs are the Marine Corps' initial steps to create systems to distribute EW capability across the battle space with the intent of replacing EA-6B capabilities for the Marine Air Ground Task Force (MAGTF) by 2019.

E. Performance Metrics
Successful completion of Intrepid Tiger II(v)1 (ALQ-231) Engineering Development Model (EDM) Lot 1 Developmental Testing/Operational Testing. Delivery of final EDM test articles prior to Full Operational Capability.

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2013 Navy										DATE: February 2012			
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Product Development (\$ in Millions)				FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Systems Engineering	WR	NAWC AD:Patuxent River, MD	-	-		0.200	Nov 2012	-		0.200	Continuing	Continuing	Continuing
Systems Engineering	WR	NSWC:Various	-	-		0.188	Nov 2012	-		0.188	Continuing	Continuing	Continuing
Systems Engineering	WR	Naval Research Lab:Washington, DC	-	-		5.243	Dec 2012	-		5.243	Continuing	Continuing	Continuing
Systems Engineering	WR	NAWC WD:Pt. Mugu, CA	-	-		1.341	Nov 2012	-		1.341	Continuing	Continuing	Continuing
Subtotal			-	-		6.972		-		6.972			
Support (\$ in Millions)				FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Eng & Tech Srvc (Non- FFRDC)	Various	Various:Various	-	-		1.296	Nov 2012	-		1.296	Continuing	Continuing	Continuing
Subtotal			-	-		1.296		-		1.296			
Test and Evaluation (\$ in Millions)				FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Testing	WR	NAWC AD:Patuxent River, MD	-	-		1.600	Nov 2012	-		1.600	Continuing	Continuing	Continuing
Flight Testing	WR	NAWC WD:China Lake, CA	-	-		0.700	Nov 2012	-		0.700	Continuing	Continuing	Continuing
Subtotal			-	-		2.300		-		2.300			
			Total Prior Years Cost	FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	-		10.568		-		10.568			

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	Total Prior Years Cost	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	Cost To Complete	Total Cost	Target Value of Contract	
Remarks									

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Exhibit R-4, RDT&E Schedule Profile: PB 2013 Navy		DATE: February 2012
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Exhibit R-4, RDT&E Schedule Profile: PB 2013 Navy		DATE: February 2012
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Exhibit R-4, RDT&E Schedule Profile: PB 2013 Navy		DATE: February 2012
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Exhibit R-4A, RDT&E Schedule Details: PB 2013 Navy			DATE: February 2012
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Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<i>Software Reprogrammable Payload</i>				
Acquisition Milestones: Milestones: Initial Operational Capability (IOC)	4	2013	4	2013
Acquisition Milestones: Milestones: Full Operational Capability (FOC)	4	2015	4	2015
Test & Evaluation: Technical Evaluation: Joint Capability Technology Demonstration (JCTD)	1	2011	1	2013
Test & Evaluation: Operational Evaluation: Operational Assessment (OA)	2	2011	2	2011
<i>Intrepid Tiger II (ALQ-231)</i>				
Acquisition Milestones: Milestones: Early Operational Capability (EOC)	1	2012	1	2012
Acquisition Milestones: Milestones: IOC	3	2012	3	2012
Test & Evaluation: Operational Evaluation: Quick Reaction Assessment (QRA)	3	2011	4	2011
Deliveries: Engineering Development Model (EDM) Lot 1 Deliveries (Qty 8)	3	2011	4	2011
Deliveries: EDM Lot 2 Deliveries (Qty 14)	2	2012	1	2013
Deliveries: EDM Lot 3 Deliveries (Qty 28)	2	2013	1	2014
Deliveries: EDM Lot 4 Deliveries (Qty 27)	2	2014	1	2015
<i>Electronic Warfare Battle Management (EWBM)</i>				
Test & Evaluation: Technical Evaluation: Electronic Warfare Services Architecture(EWSA)/ Collaborative Electronic Warfare (CEW) Services and Interfaces	1	2014	4	2017
Test & Evaluation: Operational Evaluation: IP Based EWBM on EA-6B	1	2013	4	2015