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Exhibit R-2, RDT&E Budget Item Justification: PB 2016 Navy										Date: February 2015		
Appropriation/Budget Activity					R-1 Program Element (Number/Name)							
1319: Research, Development, Test & Evaluation, Navy I BA 4: Advanced Component Development & Prototypes (ACD&P)					PE 0604653N I JT Cntr Radio Controlled IED Elec War (JCREW)							
COST (\$ in Millions)	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	Cost To Complete	Total Cost
Total Program Element	214.562	15.582	15.197	3.817	-	3.817	5.444	5.311	5.115	5.217	Continuing	Continuing
3177: Joint Counter Radio-Controlled IED Elec Warfare	214.562	15.582	15.197	3.817	-	3.817	5.444	5.311	5.115	5.217	Continuing	Continuing

A. Mission Description and Budget Item Justification

Provides for the research and development of EW systems, equipment, procedures, and tactical aids for all military services against the threat posed by Radio-Controlled Improvised Explosive Devices (RCIEDs) and to prevent initiation of RCIEDs across the spectrum of Joint military operations. Utilize Joint requirements to provide a system of systems approach for a suite of equipment for mounted, dismounted, and fixed site operations; provide Joint CREW development of equipment, procedures, and tactical aids to make rapid improvements to performance, supportability and affordability, while maintaining pace with a migrating global threat.

B. Program Change Summary (\$ in Millions)	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Previous President's Budget	15.874	15.227	4.790	-	4.790
Current President's Budget	15.582	15.197	3.817	-	3.817
Total Adjustments	-0.292	-0.030	-0.973	-	-0.973
• Congressional General Reductions	-	-0.030			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-0.292	-			
• Rate/Misc Adjustments	-	-	-0.973	-	-0.973

Change Summary Explanation

The FY 2016 funding request was reduced by \$1 million to account for the availability of prior year execution balances.

Technical: Not applicable.

Schedule: Not applicable.

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Appropriation/Budget Activity 1319 / 4					R-1 Program Element (Number/Name) PE 0604653N / JT Cntr Radio Controlled IED Elec War (JCREW)				Project (Number/Name) 3177 / Joint Counter Radio-Controlled IED Elec Warfare			
COST (\$ in Millions)	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	Cost To Complete	Total Cost
3177: Joint Counter Radio-Controlled IED Elec Warfare	214.562	15.582	15.197	3.817	-	3.817	5.444	5.311	5.115	5.217	Continuing	Continuing
Quantity of RDT&E Articles		-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

Provides for the research and development of EW systems, equipment, procedures, and tactical aids for all military services against the threat posed by Radio-Controlled Improvised Explosive Devices (RCIEDs) and to prevent initiation of RCIEDs across the spectrum of Joint military operations. Utilizes Joint requirements to provide a System of Systems (SoS) approach for a suite of equipment for mounted, dismounted, and fixed site operations; provides for Joint Counter Radio Controlled Improvised Explosive Device Electronic Warfare (JCREW) system development and equipment, procedures, and tactical aids to make rapid improvements to performance, supportability and affordability, while maintaining pace with a migrating global threat.

The JCREW system, increment 1 block 1 (I1B1) is the next generation of counter RCIED systems. This family of systems includes fixed site, mounted and dismounted units, which provide countermeasures against the global RCIED threat. Key system design features include significant performance increases over current legacy systems, a modular open-architecture system to address current and future advanced threats, robust information assurance and security, and is net-capable for improved C2. JCREW I1B1 supports global deployment and sustainment for all combatant commands providing increased protection to Warfighter against the evolving worldwide RCIED threats.

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

	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title: Joint Counter Radio-Controlled IED Elec Warfare	15.582	15.197	3.817	-	3.817
Articles:	-	-	-	-	-
Description: Supports the effort required for the design, engineering, development, fabrication and test of contractor's development models for in-house verification and validation for governmental developmental testing for JCREW System of Systems (SoS) to include the Engineering Manufacturing and Development (EMD) Phase. The JCREW SoS approach includes three distinct capabilities that shall be developed and will utilize common component, software, and hardware solutions for an open, flexible, and compatible system design approach that is modular. These capabilities are: mobile dismounted operations, mobile ground, and waterborne transport and combat systems (mounted) and semi-permanent geographical area (fixed) systems. All capabilities will have coalition sharing capabilities.					
FY 2014 Accomplishments:					

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B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)							FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Successfully complete initial delivery of Mounted, Fixed Site, and Dismounted EDM systems to the government with completed Factory Qualification Test (FQT) of hardware, software, and firmware. Complete Government Development Testing. Successfully complete MS C. Initiate productionization effort to prepare for LRIP.											
FY 2015 Plans: Conduct Initial Operational Test and Evaluation (IOT&E) and complete productionization Engineering Change Proposal (ECP).											
FY 2016 Base Plans: Initiate Technology Refresh and transition of technologies developed under ONR Technology Transition Agreements (TTAs).											
FY 2016 OCO Plans: N/A											
Accomplishments/Planned Programs Subtotals							15.582	15.197	3.817	-	3.817
C. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	Cost To Complete	Total Cost
• OPN/5509: Explosive Ordnance Disposal Equip	103.930	107.466	2.929	-	2.929	0.821	0.844	0.943	0.944	-	217.877
Remarks											
D. Acquisition Strategy											
SDD Phase: Two contractors to CDR - Single contractor CDR to MS C. FY15 LRIP will support IOC, setup and maintain warm Production Line and OEM Depot Line until FRP decision in FY16, FRP Production Line Start Up and Ramp Up and FRP Organic Depot Line Startup and Ramp Up. Spares support and OEM Depot will be utilized during LRIP phase. Establishment of Organic Depot capability during LRIP phase in support of FRP Decision Review with Weapons System Support Center Mechanicsburg as Primary Inventory Control Activity (PICA). Full Rate Production contract will be full and open competition using LRIP final Tech Data Package (TDP) with Government Purpose Rights (GPR).											
E. Performance Metrics											
Gate 6 Milestone B complete 10 Jul 2009; Contract for Preliminary Design Review (PDR) awarded 01 Oct 2009; achieved successful Preliminary Design Reviews (PDRs) April 2010; achieved successful Critical Design Review (CDR) Oct 2012; Milestone C Sep 2014.											

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2016 Navy												Date: February 2015			
Appropriation/Budget Activity 1319 / 4						R-1 Program Element (Number/Name) PE 0604653N / JT Cntr Radio Controlled IED Elec War (JCREW)				Project (Number/Name) 3177 / Joint Counter Radio-Controlled IED Elec Warfare					
Product Development (\$ in Millions)				FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Primary Hardware Development	Various	Exelis : NJ	12.137	-		-		-		-		-	-	12.137	Continuing
Software Development	Various	Exelis : NJ	10.515	-		-		-		-		-	-	10.515	Continuing
Systems Engineering	Various	Exelis : NJ	7.200	-		-		-		-		-	-	7.200	Continuing
System Integration	Various	Exelis : NJ	3.965	-		-		-		-		-	-	3.965	Continuing
Primary Hardware Development	Various	NGC : CA	26.973	2.730	Nov 2013	1.015	Nov 2014	-		-		-	-	30.718	Continuing
Software Development	Various	NGC : CA	14.634	1.495	Nov 2013	0.505	Nov 2014	-		-		-	-	16.634	Continuing
Systems Engineering	Various	NGC : CA	14.365	0.858	Nov 2013	0.379	Nov 2014	-		-		-	-	15.602	Continuing
ILS	Various	NGC : CA	7.029	0.597	Nov 2013	-		-		-		-	-	7.626	Continuing
System Integration	Various	NGC : CA	7.468	1.348	Nov 2013	0.468	Nov 2014	-		-		-	-	9.284	Continuing
Loadset Development	Various	NGC : CA	4.822	0.460	Nov 2013	-		-		-		-	-	5.282	Continuing
Primary Hardware Development	Various	TBD : TBD	0.000	-		-		0.303	Nov 2015	-		0.303	-	0.303	Continuing
Systems Enginnering	Various	TBD : TBD	0.000	-		-		0.152	Nov 2015	-		0.152	-	0.152	Continuing
Software Development	Various	TBD : TBD	0.000	-		-		0.152	Nov 2015	-		0.152	-	0.152	Continuing
System Integration	Various	TBD : TBD	0.000	-		-		0.152	Nov 2015	-		0.152	-	0.152	Continuing
Subtotal			109.108	7.488		2.367		0.759		-		0.759	-	119.722	-
Remarks															
Contract type is hybrid CPIF and CPAF.															
Support (\$ in Millions)				FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Loadset Development	FFRDC	JHU/APL, MITRE : Laurel, MD	3.932	0.280	Nov 2013	0.922	Nov 2014	0.500	Nov 2015	-		0.500	-	5.634	Continuing
Systems Engineering	WR	NSWC : Various	5.399	0.563	Nov 2013	1.854	Nov 2014	1.606	Nov 2015	-		1.606	-	9.422	Continuing

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Support (\$ in Millions)				FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Program Management Support	WR	IHEODTD : Indian Head, MD	12.046	0.400	Nov 2013	1.317	Nov 2014	0.431	Nov 2015	-		0.431	-	14.194	Continuing
System Integration	WR	NSWC : Various	2.093	0.220	Nov 2013	0.724	Nov 2014	-		-		-	-	3.037	Continuing
Training Development	C/CPFF	SDI, GOV'T SOLUTIONS : LaPlata, MD	4.403	-		-		-		-		-	-	4.403	Continuing
Integrated Logistics Support	WR	NSWC : Various	9.832	0.600	Nov 2013	1.976	Nov 2014	-		-		-	-	12.408	Continuing
Configuration Management	WR	NSWC : Various	3.791	0.180	Nov 2013	0.593	Nov 2014	-		-		-	-	4.564	Continuing
Technical Data	WR	NSWC : Various	5.886	0.270	Nov 2013	0.889	Nov 2014	-		-		-	Continuing	Continuing	Continuing
Subtotal			47.382	2.513		8.275		2.537		-		2.537	-	-	-
Test and Evaluation (\$ in Millions)				FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Development Test & Evaluation	WR	NSWC : Various	29.105	4.028	Nov 2013	-	Dec 2014	-		-		-	-	33.133	Continuing
Operational Test & Evaluation	MIPR	Various : Various	8.154	0.521	Nov 2013	3.553	Dec 2014	-		-		-	-	12.228	Continuing
Subtotal			37.259	4.549		3.553		-		-		-	-	45.361	-
Management Services (\$ in Millions)				FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Program Management Support	C/CPFF	TBD : TBD	0.000	-		0.732	Nov 2014	0.250	Nov 2015	-		0.250	-	0.982	Continuing
Program Management Support	C/CPFF	CACI : Fairfax, VA	15.808	0.732	Nov 2013	-	Nov 2014	-	Nov 2015	-		-	-	16.540	Continuing
Miscellaneous	WR	NSWC : Various	5.005	0.300	Nov 2013	0.270	Nov 2014	0.271	Nov 2015	-		0.271	-	5.846	Continuing

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Management Services (\$ in Millions)				FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Subtotal			20.813	1.032		1.002		0.521		-		0.521	-	23.368	-

	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	214.562	15.582	15.197	3.817	-	3.817	-	-	-

Remarks

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Exhibit R-4, RDT&E Schedule Profile: PB 2016 Navy

Date: February 2015

Appropriation/Budget Activity

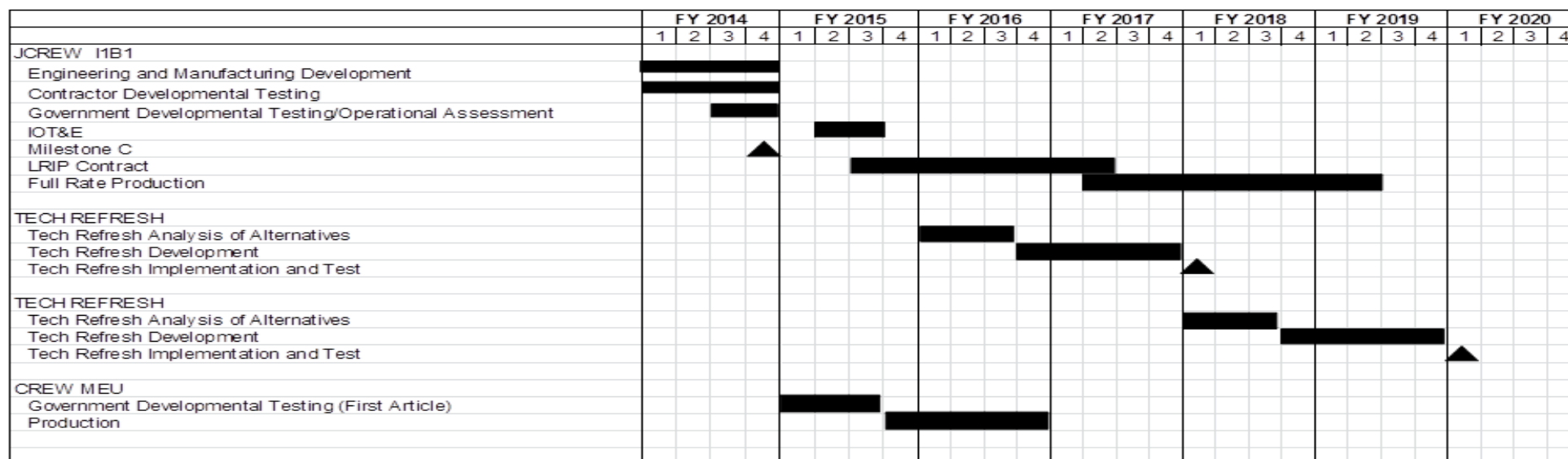
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R-1 Program Element (Number/Name)

PE 0604653N / JT Cntr Radio Controlled
IED Elec War (JCREW)

Project (Number/Name)

3177 / Joint Counter Radio-Controlled IED
Elec Warfare



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Exhibit R-4A, RDT&E Schedule Details: PB 2016 Navy			Date: February 2015
Appropriation/Budget Activity 1319 / 4	R-1 Program Element (Number/Name) PE 0604653N / JT Cntr Radio Controlled IED Elec War (JCREW)	Project (Number/Name) 3177 / Joint Counter Radio-Controlled IED Elec Warfare	

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
Proj 3177				
JCREW I1B1	1	2014	1	2018
Engineering and Manufacturing Development	1	2014	4	2014
Contractor Developmental Testing	1	2014	4	2014
Government Developmental Testing/Operational Assessment	3	2014	4	2014
IOT&E	2	2015	3	2015
Milestone C	4	2014	4	2014
LRIP Contract	3	2015	2	2017
Full Rate Production	2	2017	2	2019
TECHNOLOGY REFRESH (I)	1	2016	1	2018
Tech Refresh Analysis of Alternatives (I)	1	2016	3	2016
Tech Refresh Development (I)	4	2016	4	2017
Tech Refresh Implementation and Test (I)	1	2018	1	2018
TECHNOLOGY REFRESH (II)	1	2016	1	2020
Tech Refresh Analysis of Alternatives (II)	1	2018	3	2018
Tech Refresh Development (II)	4	2018	4	2018
Tech Refresh Implementation and Test (II)	1	2020	1	2020
CREW MEU	1	2015	4	2016
Government Developmental Testing (First Article)	1	2015	3	2015
Production	4	2015	4	2016