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Exhibit R-2, RDT&E Budget Item Justification: PB 2011 Navy									DATE: February 2010		
APPROPRIATION/BUDGET ACTIVITY 1319: Research, Development, Test & Evaluation, Navy BA 4: Advanced Component Development & Prototypes (ACD&P)				R-1 ITEM NOMENCLATURE PE 0604653N: JT Cntr Radio Controlled IED Elec War (JCREW)							
COST (\$ in Millions)	FY 2009 Actual	FY 2010 Estimate	FY 2011 Base Estimate	FY 2011 OCO Estimate	FY 2011 Total Estimate	FY 2012 Estimate	FY 2013 Estimate	FY 2014 Estimate	FY 2015 Estimate	Cost To Complete	Total Cost
Total Program Element	0.000	55.611	56.542	0.000	56.542	63.653	72.807	56.917	57.647	Continuing	Continuing
3177: Joint Counter Radio-Controlled IED Elec Warfare	0.000	55.611	56.542	0.000	56.542	63.653	72.807	56.917	57.647	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. The Navy has been designated as DOD Executive Agent and Single Manager for Military Ground-Based Counter Radio-Controlled Improvised Explosive Warfare (CREW) Technology by DOD Directive 5101.14 of 11 June 2007, requiring RDT&E to develop capabilities that meet global joint requirements. 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. This program also includes development of Electromagnetic Environment (EME) data collection and analysis equipment that provides for the research, development and integration of realistic electromagnetic environments for primary use in the development, assessment, modeling, simulation, test and evaluation of CREW systems. Funding for this effort is required for Counter-IED initiatives being transferred from the Joint IED Defeat Organization (JIEDDO) in accordance with DEPSECDEF memo of 14 August 2007 and in accordance with DOD Directive 2000.19E. *Prior to FY10, the Joint Counter Radio Controlled IED Electronic Warfare program was part of PE 0603654N.											

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Exhibit R-2, RDT&E Budget Item Justification: PB 2011 Navy				DATE: February 2010	
APPROPRIATION/BUDGET ACTIVITY		R-1 ITEM NOMENCLATURE			
1319: Research, Development, Test & Evaluation, Navy		PE 0604653N: JT Cntr Radio Controlled IED Elec War (JCREW)			
BA 4: Advanced Component Development & Prototypes (ACD&P)					
B. Program Change Summary (\$ in Millions)					
	FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total
Previous President's Budget	0.000	67.843	0.000	0.000	0.000
Current President's Budget	0.000	55.611	56.542	0.000	56.542
Total Adjustments	0.000	-12.232	56.542	0.000	56.542
• Congressional General Reductions		-0.232			
• Congressional Directed Reductions		-12.000			
• Congressional Rescissions	0.000	0.000			
• Congressional Adds		0.000			
• Congressional Directed Transfers		0.000			
• Reprogrammings	0.000	0.000			
• SBIR/STTR Transfer	0.000	0.000			
• Program Adjustments	0.000	0.000	56.542	0.000	56.542
• Rate/Misc Adjustments	0.000	0.000	0.000	0.000	0.000
Change Summary Explanation					
Technical: Not applicable.					
Schedule: Not applicable.					
FY11 from previous President's Budget is shown as zero because no FY11-15 data was presented in President's Budget 2010.					

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Exhibit R-2A, RDT&E Project Justification: PB 2011 Navy								DATE: February 2010			
APPROPRIATION/BUDGET ACTIVITY 1319: <i>Research, Development, Test & Evaluation, Navy</i> BA 4: <i>Advanced Component Development & Prototypes (ACD&P)</i>				R-1 ITEM NOMENCLATURE PE 0604653N: <i>JT Cntr Radio Controlled IED Elec War (JCREW)</i>				PROJECT 3177: <i>Joint Counter Radio-Controlled IED Elec Warfare</i>			
COST (\$ in Millions)	FY 2009 Actual	FY 2010 Estimate	FY 2011 Base Estimate	FY 2011 OCO Estimate	FY 2011 Total Estimate	FY 2012 Estimate	FY 2013 Estimate	FY 2014 Estimate	FY 2015 Estimate	Cost To Complete	Total Cost
3177: <i>Joint Counter Radio-Controlled IED Elec Warfare</i>	0.000	55.611	56.542	0.000	56.542	63.653	72.807	56.917	57.647	Continuing	Continuing
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0	0		

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. The Navy has been designated as DOD Executive Agent and Single Manager for Military Ground-Based Counter Radio-Controlled Improvised Explosive Warfare (CREW) Technology by DOD Directive 5101.14 of 11 June 2007, requiring RDT&E to develop capabilities that meet global joint requirements. 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. This program also includes development of Electromagnetic Environment (EME) data collection and analysis equipment that provides for the research, development and integration of realistic electromagnetic environments for primary use in the development, assessment, modeling, simulation, test and evaluation of CREW systems. Funding for this effort is required for Counter-IED initiatives being transferred from the Joint IED Defeat Organization (JIEDDO) in accordance with DEPSECDEF memo of 14 August 2007 and in accordance with DOD Directive 2000.19E.

*Prior to FY10, the Joint Counter Radio Controlled IED Electronic Warfare program was part of PE 0603654N.

B. Accomplishments/Planned Program (\$ in Millions)

	FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total
Joint Counter Radio-Controlled IED Elec Warfare	0.000	55.611	56.542	0.000	56.542
Defines 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 System Development and Demonstration (SD&D) Phase. The JCREW SoS approach includes three distinct capabilities that shall be developed and will					

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B. Accomplishments/Planned Program (\$ in Millions)								
				FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total
<p>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. Multiple awards will be made for all capabilities.</p> <p><i>FY 2010 Plans:</i> Provides for development, testing, and evaluation of Joint CREW modeling and simulation efforts and upgrades to Joint CREW tactical decision aids.</p> <p><i>FY 2011 Base Plans:</i> Provides for development, testing, and evaluation of Joint CREW modeling and simulation efforts and upgrades to Joint CREW tactical decision aids.</p>								
Accomplishments/Planned Programs Subtotals				0.000	55.611	56.542	0.000	56.542
C. Other Program Funding Summary (\$ in Millions)								
N/A								
D. Acquisition Strategy								
<p>Analysis of Alternatives (AOA) studies are always conducted prior to the initiation of new subprojects. The AOA addresses and emphasizes acquisition strategies of the most cost effective solution over subprojects' life-cycle. At significant decision points, the AOA will be re-validated or updated to reflect changes in technology and threat. The acquisition strategies observe the following hierarchy of alternatives: commercial item (including modification), non-developmental item (including modification), and lastly, developmental programs. Contracting for RDT&E, if required, is always competitive and when feasible, production options are included. Procurements across the services may be combined to gain quantity discounts.</p>								
E. Performance Metrics								
Gate 6 Milestone B complete 10 Jul 2009; Contract for preliminary design review awarded 01 Oct 2009; Milestone C anticipated in Q4 FY11.								

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2011 Navy											DATE: February 2010		
APPROPRIATION/BUDGET ACTIVITY 1319: <i>Research, Development, Test & Evaluation, Navy</i> BA 4: <i>Advanced Component Development & Prototypes (ACD&P)</i>				R-1 ITEM NOMENCLATURE PE 0604653N: <i>JT Cntr Radio Controlled IED Elec War (JCREW)</i>				PROJECT 3177: <i>Joint Counter Radio-Controlled IED Elec Warfare</i>					
Product Development (\$ in Millions)													
				FY 2010		FY 2011 Base		FY 2011 OCO		FY 2011 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
Primary Hardware Development	C/TBD	TBD TBD	0.000	7.540	May 2010	2.450	Nov 2010	0.000		2.450	0.000	9.990	Continuing
Software Development	C/TBD	TBD TBD	0.000	8.328	May 2010	7.650	Nov 2010	0.000		7.650	0.000	15.978	Continuing
Systems Engineering	C/TBD	Various Various	0.000	6.890	Jan 2010	6.410	Oct 2010	0.000		6.410	0.000	13.300	Continuing
ILS	C/TBD	Various Various	0.000	1.960	Jan 2010	2.450	Oct 2010	0.000		2.450	0.000	4.410	Continuing
System Integration	C/TBD	Various Various	0.000	2.700	Jan 2010	2.830	Oct 2010	0.000		2.830	0.000	5.530	Continuing
Loadset Development	C/TBD	Various Various	0.000	3.630	Jan 2010	5.520	Oct 2010	0.000		5.520	0.000	9.150	Continuing
Subtotal			0.000	31.048		27.310		0.000		27.310	0.000	58.358	
Remarks													
Support (\$ in Millions)													
				FY 2010		FY 2011 Base		FY 2011 OCO		FY 2011 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
Program Management Support	C/TBD	Various Various	0.000	5.620	Jan 2010	2.090	Oct 2010	0.000		2.090	0.000	7.710	Continuing

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Support (\$ in Millions)													
				FY 2010		FY 2011 Base		FY 2011 OCO		FY 2011 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
Training Development	C/TBD	Various Various	0.000	0.880	Jan 2010	0.490	Oct 2010	0.000		0.490	0.000	1.370	Continuing
Integrated Logistics Support	C/TBD	Various Various	0.000	0.500	Jan 2010	0.500	Oct 2010	0.000		0.500	0.000	1.000	Continuing
Configuration Management	C/TBD	Various Various	0.000	0.980	Jan 2010	1.220	Oct 2010	0.000		1.220	0.000	2.200	Continuing
Technical Data	C/TBD	Various Various	0.000	0.000	Jan 2010	4.060	Oct 2010	0.000		4.060	0.000	4.060	Continuing
Subtotal			0.000	7.980		8.360		0.000		8.360	0.000	16.340	
Remarks													
Test and Evaluation (\$ in Millions)													
				FY 2010		FY 2011 Base		FY 2011 OCO		FY 2011 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
Development Test & Evaluation	C/TBD	Various Various	0.000	9.230	Jan 2010	6.930	Oct 2010	0.000		6.930	0.000	16.160	Continuing
Operational Test & Evaluation	C/TBD	Various Various	0.000	1.890	Jan 2010	5.810	Oct 2010	0.000		5.810	0.000	7.700	Continuing
Subtotal			0.000	11.120		12.740		0.000		12.740	0.000	23.860	
Remarks													

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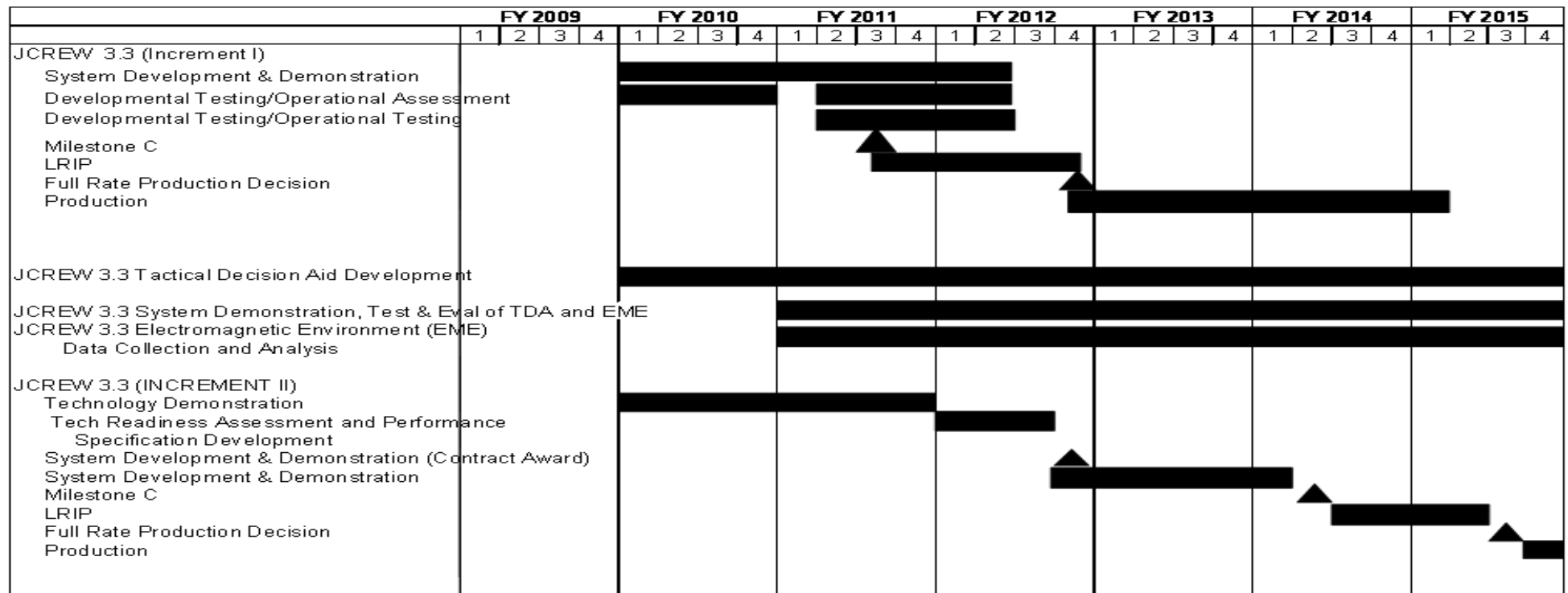
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Exhibit R-4, RDT&E Schedule Profile: PB 2011 Navy			DATE: February 2010
APPROPRIATION/BUDGET ACTIVITY 1319: <i>Research, Development, Test & Evaluation, Navy</i> BA 4: <i>Advanced Component Development & Prototypes (ACD&P)</i>	R-1 ITEM NOMENCLATURE PE 0604653N: <i>JT Cntr Radio Controlled IED Elec War (JCREW)</i>	PROJECT 3177: <i>Joint Counter Radio-Controlled IED Elec Warfare</i>	



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Exhibit R-4A, RDT&E Schedule Details: PB 2011 Navy			DATE: February 2010
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Schedule Details

Event	Start		End	
	Quarter	Year	Quarter	Year
JCREW 3.3 (Increment I)	1	2009	1	2009
System Development & Demonstration (Increment I)	1	2010	2	2012
Developmental Testing/Operational Assessment	1	2010	2	2012
Developmental Testing/Operational Testing	2	2011	2	2012
Milestone C (Increment I)	3	2011	3	2011
LRIP (Increment I)	3	2011	4	2012
Full Rate Production Decision (Increment I)	4	2012	4	2012
Production (Increment I)	4	2012	1	2015
JCREW 3.3 Tactical Decision Aid Development	1	2010	4	2015
JCREW 3.3 System Demonstration, Test and Eval of TDA and EME	1	2011	4	2015
JCREW 3.3 Electromagnetic Environment (EME) Data Collection and Analysis	1	2011	4	2015
JCREW 3.3 (Increment II)	1	2009	1	2009
Technology Demonstration	1	2010	4	2011
Tech Readiness Assessment and Performance Specification Development	1	2012	3	2012
System Development & Demonstration (Contract Award)	4	2012	4	2012
System Development & Demonstration (Increment II)	4	2012	1	2014
Milestone C (Increment II)	2	2014	2	2014
LRIP (Increment II)	3	2014	2	2015

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Exhibit R-4A, RDT&E Schedule Details: PB 2011 Navy			DATE: February 2010																				
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		<table> <tr> <th rowspan="2">Event</th><th colspan="2">Start</th><th colspan="2">End</th></tr> <tr> <th>Quarter</th><th>Year</th><th>Quarter</th><th>Year</th></tr> <tr> <td>Full Rate Production Decision (Increment II)</td><td align="center">3</td><td align="center">2015</td><td align="center">3</td><td align="center">2015</td></tr> <tr> <td>Production (Increment II)</td><td align="center">4</td><td align="center">2015</td><td align="center">4</td><td align="center">2015</td></tr> </table>			Event	Start		End		Quarter	Year	Quarter	Year	Full Rate Production Decision (Increment II)	3	2015	3	2015	Production (Increment II)	4	2015	4	2015
Event	Start		End																				
	Quarter	Year	Quarter	Year																			
Full Rate Production Decision (Increment II)	3	2015	3	2015																			
Production (Increment II)	4	2015	4	2015																			

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