DATE: April 2013 Exhibit R-2, RDT&E Budget Item Justification: PB 2014 Navy

APPROPRIATION/BUDGET ACTIVITY

R-1 ITEM NOMENCLATURE

1319: Research, Development, Test & Evaluation, Navy

PE 0204575N: Elect Warfare Readiness Supt

BA 7: Operational Systems Development

COST (\$ in Millions)	All Prior Years	FY 2012	FY 2013 <sup>#</sup>	FY 2014 Base	FY 2014 OCO ##	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	Cost To Complete	Total Cost
Total Program Element	199.562	17.686	19.843	19.563	-	19.563	31.320	39.710	42.336	46.545	Continuing	Continuing
2263: Information Warfare System	199.562	17.686	19.843	19.563	-	19.563	31.320	39.710	42.336	46.545	Continuing	Continuing

<sup>&</sup>lt;sup>#</sup> FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012

# A. Mission Description and Budget Item Justification

Research, assess, and develop information warfare capabilities.

B. Program Change Summary (\$ in Millions)	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total
Previous President's Budget	18.142	19.843	14.397	-	14.397
Current President's Budget	17.686	19.843	19.563	-	19.563
Total Adjustments	-0.456	0.000	5.166	-	5.166
<ul> <li>Congressional General Reductions</li> </ul>	-	-			
<ul> <li>Congressional Directed Reductions</li> </ul>	-	-			
<ul> <li>Congressional Rescissions</li> </ul>	-	-			
<ul> <li>Congressional Adds</li> </ul>	-	-			
<ul> <li>Congressional Directed Transfers</li> </ul>	-	-			
<ul> <li>Reprogrammings</li> </ul>	-	-			
SBIR/STTR Transfer	-0.456	0.000			
<ul> <li>Program Adjustments</li> </ul>	0.000	0.000	0.689	=	0.689
<ul> <li>Rate/Misc Adjustments</li> </ul>	0.000	0.000	4.477	-	4.477

<sup>##</sup> The FY 2014 OCO Request will be submitted at a later date

DATE: April 2013 Exhibit R-2A, RDT&E Project Justification: PB 2014 Navy **R-1 ITEM NOMENCLATURE** APPROPRIATION/BUDGET ACTIVITY **PROJECT** 1319: Research, Development, Test & Evaluation, Navy PE 0204575N: Elect Warfare Readiness 2263: Information Warfare System BA 7: Operational Systems Development Supt FY 2014 FY 2014 **All Prior** FY 2014 Cost To Total **COST (\$ in Millions)** OCO ## FY 2012 | FY 2013# Total FY 2015 FY 2016 FY 2017 FY 2018 | Complete Years Base Cost 2263: Information Warfare 199.562 17.686 19.843 19.563 19.563 31.320 39.710 42.336 46.545 Continuing Continuing System Quantity of RDT&E Articles 0 0 0 0 0 0 0 0 0

#### Note

Navy

Funding for this Project Code will be managed by BSO 60 starting in FY14.

### A. Mission Description and Budget Item Justification

Information Operations (IO) Counter Measure Capability Research and Development: Develops software to account for antenna modeling, weather calculations, radio frequency modeling, signals mapping and terrain modeling for warfighter use in configuring optimal Electronic Attack (EA) from afloat.

Maritime Cryptologic Systems for the 21st Century (MCS-21) Systems Development and Support: Develops and fields spiral EA and cyber capabilities against Fleet Forces Command prioritized signals, networks, and target sets. EA capabilities will be integrated into a software architecture baseline that is deployed on subsurface, airborne and surface IO platforms (Classic Troll, Banshee and Ships Signal Exploitation Equipment Increment E and Increment F). Also included is the Navy's investment in Integrated Communications and Data System proof of concept system and Office of the Chief of Naval Operations N2/N6 sponsored PACSAIL research project.

Research, Analysis and Research and Development Technical Support: Conducts vulnerability analysis and reverse engineering on emerging threats and targets and provides specialized technical, engineering and management capabilities to the program management office. (Specific details held at a higher classification level)

Computer Network Operations: Funds development and testing of computer networks for modeling, simulation, and tailoring of Cyber capabilities. Develops specific Cyber tools, techniques, and operators in support of Fleet Cyber Command and Commander, TENTH Fleet requirements. (Specific development details held at a higher classification level). Conducts vulnerability analyses and reverse engineering on improvised explosive devices (Specific details held at a higher classification level)

# B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each) Title: Electronic Warfare / Information Operations (IO) Countermeasure Capability Research & Development Articles: 0 0 0

PE 0204575N: Elect Warfare Readiness Supt

Page 2 of 12

<sup>\*</sup>FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012

<sup>##</sup> The FY 2014 OCO Request will be submitted at a later date

Exhibit R-2A, RDT&E Project Justification: PB 2014 Navy			DATE: A	April 2013		
APPROPRIATION/BUDGET ACTIVITY 1319: Research, Development, Test & Evaluation, Navy BA 7: Operational Systems Development		PROJECT 2263: Information Warfare System				
B. Accomplishments/Planned Programs (\$ in Millions, Article Qu	antities in Each)	FY 2	2012	FY 2013	FY 2014	
<b>Description:</b> Information Operations (IO) Counter Measure Capabilities Countermeasure capabilities across various platforms. Develops speuses modeling and simulation techniques to prototype and test emergence.	ecific waveforms to attack adversary systems. Develops	and				
* Continued IW/IO EA and cyber capability development (Details held * Continued Waveform Weapon Development						
* Continue Information Warfare/Information Operations (IW/IO) EA callevel)		n				
* Develop and test IO Countermeasures capabilities across various parameters.  * Develop specific waveforms to attack adversary systems.  * Develop and use modeling and simulations techniques to prototype.  * Continue Modeling and Simulation Lab (Applied/projected level of each continue Information Warfare (IW)/Information Operations (IO) Electrical Electrical Continue Waveform Weapon Development.	and test emergent waveforms.  ffort).	ıt a				
Title: Electronic Warfare Readiness/MCS-21 Systems Development	Artı	cles:	3.546	4.992 0	0.637	
<b>Description:</b> Maritime Cryptologic Systems for the 21st Century Syscapabilities against Fleet Forces Command prioritized signals, networsoftware architecture baseline that is deployed on subsurface, airborn Troll, Banshee and Ships Signal Exploitation Equipment Increment Explored Explored Exploitation Exploitation Exploitation Explored Exploitation Explored	rks and target sets. Capabilities will be integrated into a ne and surface Information Operations platforms (Classic					
FY 2012 Accomplishments:  * Continued IW/IO EA capability development & integration (Details h	neld at higher classification level)					
FY 2013 Plans:						

PE 0204575N: *Elect Warfare Readiness Supt* Navy

UNCLASSIFIED
Page 3 of 12

	UNCLASSIFIED				
Exhibit R-2A, RDT&E Project Justification: PB 2014 Navy			DATE: A	pril 2013	
APPROPRIATION/BUDGET ACTIVITY 1319: Research, Development, Test & Evaluation, Navy BA 7: Operational Systems Development	PROJECT 2263: Information Warfare System				
B. Accomplishments/Planned Programs (\$ in Millions, Article Quan	itities in Each)		FY 2012	FY 2013	FY 2014
*Continue IW/IO EA capability development & integration (Details held a	at higher classification level)				
* Develop and field spiral EA and cyber capabilities against Fleet Forces sets. Capabilities will be integrated into a software architecture baseline platforms (Classic Troll, Banshee, and Ships Exploitation Increment E a * Continue IW/IO EA capability development & integration (Details held * Continue Research and Analysis (Details held at higher classification I	e that is deployed on subsurface, airborne, and surfacend Increment F). at higher classification level).	e IP			
Title: Electronic Warfare/Research, Analysis and R&D Technical Suppo			6.386	6.588	5.696
	Art	icles:	0	0	C
<b>Description:</b> Research, Analysis and Research and Development Tech reverse engineering on emerging threats and targets and provides speciapabilities to the program management office. (Specific details held at	sialized technical, engineering and management				
FY 2012 Accomplishments:  * Continued Technical and intelligence related studies and contractor er  * Continued Research and Analysis (Details held at higher classification	• •				
FY 2013 Plans:  * Continue Technical and intelligence related studies and contractor eng  * Continue Research and Analysis (Details held at higher classification I					
*Conduct vulnerability analysis and reverse engineering on emerging the engineering and management capabilities to the program management level).	office. (Specific details held at a higher classification				
*Technical and intelligence related studies and contractor engineering, t *Research and Analysis (Details held at higher classification level).	technical and management capabilities.				
Title: Electronic Warfare/Computer Network Operations	Art	icles:	3.123 0	3.740 0	9.144 0
<b>Description:</b> Computer Network Operations (CNO): Funds developme simulation, and tailoring of Cyber capabilities. Develops specific Cyber Command and Commander, TENTH Fleet requirements. (Specific developments)	tools, techniques, and operators in support of Fleet C	yber			

PE 0204575N: *Elect Warfare Readiness Supt* Navy

UNCLASSIFIED
Page 4 of 12

Exhibit R-2A, RDT&E Project Justification: PB 2014 Navy	DATE: April 2013	
APPROPRIATION/BUDGET ACTIVITY	R-1 ITEM NOMENCLATURE	PROJECT
1319: Research, Development, Test & Evaluation, Navy	PE 0204575N: Elect Warfare Readiness	2263: Information Warfare System
BA 7: Operational Systems Development	Supt	

B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)	FY 2012	FY 2013	FY 2014
FY 2012 Accomplishments:  * Continued Research and Development at the Integrated Testing Facility  * Continued Computer Network Attack Capabilities Development (Details held at higher classification level)  * Continued Demonstration of Advanced Computer Network Operations Concept (Details held at higher classification level)			
* Continue Research and Development at the Integrated Testing Facility  * Continue Computer Network Attack Capabilities Development (Details held at higher classification level)  * Continue Demonstration of Advanced Computer Network Operations Concept (Details held at higher classification level)			
*Povelop Cyber tools, techniques, and operators in support of Fleet Cyber Command and Commander, TENTH Fleet requirements. (Specific development details held at a higher classification level).  *CNO Research and Development Integration Testing Facility.  *Computer Network Attack Capabilities (Details held at a higher classification level).  *Demonstration of Advanced Computer Network Operations Concept (Details held at a higher classification level).			
Accomplishments/Planned Programs Subtotals	17.686	19.843	19.563

# C. Other Program Funding Summary (\$ in Millions)

			FY 2014	FY 2014	FY 2014					Cost To	
<u>Line Item</u>	FY 2012	FY 2013	<b>Base</b>	<u>000</u>	<u>Total</u>	FY 2015	FY 2016	FY 2017	FY 2018	Complete	<b>Total Cost</b>
• RDTEN/0604270N/1742:	1.739	1.702	1.352		1.352	1.652	1.642	1.665	1.596	Continuing	Continuing

Electronic Warfare Technical

Development

Remarks

# D. Acquisition Strategy

These programs are designated non-ACAT and operate under streamlined acquisition. This designation supports a streamlined acquisition process using the Advanced Concept Technology Demonstration documentation of the Defense Acquisition Guidance.

### **E. Performance Metrics**

Measures include quality and impact of new ideas and approaches, the success of the technology application in satisfying Combatant Commanders and Fleet requirements, and successful cost effective transition of the capability into operational systems. The goal of these investments is to provide to Commanders non-kinetic options to influence adversaries and prevent escalation of crises. Due to the nature and classification of these efforts, qualitative measures are used. It is the

PE 0204575N: *Elect Warfare Readiness Supt* Navy

UNCLASSIFIED

R-1 Line #180

Page 5 of 12

Exhibit R-2A, RDT&E Project Justification: PB 2014 Navy	DATE: April 2013	
APPROPRIATION/BUDGET ACTIVITY	R-1 ITEM NOMENCLATURE	PROJECT
1319: Research, Development, Test & Evaluation, Navy	PE 0204575N: Elect Warfare Readiness	2263: Information Warfare System
BA 7: Operational Systems Development	Supt	
intent through the development of modeling and simulation scenario	os and capabilities to develop quantitative metrics. Th	ne success of this depends heavily on the
insight obtained via various intelligence community efforts.		

PE 0204575N: Elect Warfare Readiness Supt Navy

**UNCLASSIFIED** Page 6 of 12

Exhibit R-3, RDT&E Project Cost Analysis: PB 2014 Navy

R-1 ITEM NOMENCLATURE

DATE: April 2013

APPROPRIATION/BUDGET ACTIVITY

**PROJECT** 

1319: Research, Development, Test & Evaluation, Navy

PE 0204575N: Elect Warfare Readiness Supt

2263: Information Warfare System

BA 7: Operational Systems Development

Product Development (\$ in Millions)			FY 2012		FY 2013		FY 2014 Base		FY 2014 OCO		FY 2014 Total				
Cost Category Item	Contract Method & Type	Performing Activity & Location	All Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To	Total Cost	Target Value of Contract
Primary Hardware Development	Various	Classified-1:Classified	20.728	1.000	Oct 2011	1.400	Oct 2012	4.783	Oct 2013	-		4.783	Continuing	Continuing	Continuing
System Engineering	SS/CPFF	Applied Research Laboratory:University Park, PA	1.070	0.365	Jan 2012	0.500	Nov 2012	0.500	Nov 2013	-		0.500	0.000	2.435	
Ancillary Hardware Development	Various	Classified-2:Classified	12.375	0.000		0.000		0.000		-		0.000	0.000	12.375	
Systems Engineering	SS/CPFF	ARGON:Fairfax, VA	3.865	0.000		0.000		0.000		-		0.000	0.000	3.865	
Systems Engineering	WR	NRL:Washington, DC	3.395	0.392	Oct 2011	0.392	Oct 2012	0.850	Oct 2013	-		0.850	0.000	5.029	
		Subtotal	41.433	1.757		2.292		6.133		0.000		6.133			

Support (\$ in Million	Support (\$ in Millions)		FY 2012		FY 2	2013	FY 2 Ba	2014 se	FY 2014 OCO		FY 2014 Total				
Cost Category Item	Contract Method & Type	Performing Activity & Location	All 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 Support	SS/CPFF	ARGON-1:Fairfax, VA	11.428	1.346	Dec 2011	1.450	Oct 2012	0.250	Oct 2013	-		0.250	0.000	14.474	
Software Development	SS/CPFF	L3 Communications:New York, NY	64.682	0.550	Dec 2011	0.550	Dec 2012	0.333	Dec 2013	-		0.333	0.000	66.115	
Development Support	WR	SSC PAC:San Diego, VA	0.000	0.000		0.000		0.368	Oct 2013	-		0.368	0.000	0.368	
Software Development	SS/CPFF	ARGON-2:Fairfax, VA	0.000	0.000		0.000		0.834	Nov 2013	-		0.834	0.000	0.834	
Development Support	WR	NRL-1:Washington, DC	1.060	0.550	Nov 2011	0.550	Nov 2012	0.620	Nov 2013	-		0.620	0.000	2.780	
Development Support	Various	Classified-1:Classified	9.892	0.607	Nov 2011	0.611	Nov 2012	3.033	Nov 2013	-		3.033	0.000	14.143	
Studies & Analysis	WR	NRL-2:Washington, DC	0.000	0.000		0.000		1.654	Oct 2013	-		1.654	0.000	1.654	
Software Development	SS/CPFF	ARL:University Park, PA	3.100	0.400	Nov 2011	0.400	Nov 2012	0.250	Nov 2013	-		0.250	0.000	4.150	

PE 0204575N: Elect Warfare Readiness Supt Navy

**UNCLASSIFIED** Page 7 of 12

Exhibit R-3, RDT&E Project Cost Analysis: PB 2014 Navy

APPROPRIATION/BUDGET ACTIVITY

1319: Research, Development, Test & Evaluation, Navy

BA 7: Operational Systems Development

R-1 ITEM NOMENCLATURE

PE 0204575N: Elect Warfare Readiness

Supt

**PROJECT** 

2263: Information Warfare System

DATE: April 2013

Support (\$ in Million	upport (\$ in Millions)			FY 2012		FY 2013		FY 2014 Base		FY 2014 OCO		FY 2014 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	All Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Software Development	SS/CPFF	ARGON-3:Fairfax, VA	14.958	1.833	Nov 2011	3.051	Nov 2012	0.000		-		0.000	0.000	19.842	
Software Development	WR	NRL-3:Washington, DC	1.945	0.000		0.000		0.000		-		0.000	0.000	1.945	
Software Development	Various	Classified-2:Classified	21.265	4.153	Oct 2011	3.321	Oct 2012	4.209	Oct 2013	-		4.209	0.000	32.948	
Research, Studies and Vulnerability	WR	NRL-4:Washington, DC	13.214	1.654	Oct 2011	1.546	Oct 2012	0.000		-		0.000	0.000	16.414	
Development Support	WR	SSC PAC:San Diego, CA	2.441	1.111	Oct 2011	2.147	Oct 2012	0.000		-		0.000	0.000	5.699	
Development Support	C/BA	NSWC:Philadelphia, PA	1.829	1.400	Oct 2011	1.400	Oct 2012	0.000		-		0.000	0.000	4.629	
	•	Subtotal	145.814	13.604		15.026		11.551		0.000		11.551	0.000	185.995	

Test and Evaluation	Test and Evaluation (\$ in Millions)				2012	FY 2013		FY 2014 Base		FY 2014 OCO		FY 2014 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	All Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Developmental Test & Evaluation	WR	NAWC:China Lake, CA	5.402	0.100	Dec 2011	0.100	Dec 2012	0.440	Oct 2013	-		0.440	0.000	6.042	
		Subtotal	5.402	0.100		0.100		0.440		0.000		0.440	0.000	6.042	

Management Service	s (\$ in M	illions)		FY 2	2012	FY 2	2013		2014 ase		2014 CO	FY 2014 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	All Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
System Engineering and Program Management	Various	Classified-1:Classified	5.121	1.000	Nov 2011	1.000	Nov 2012	0.000		-		0.000	0.000	7.121	
Acquistion Workforce Fund 2009	Various	Various:Various	0.117	0.000		0.000		0.000		-		0.000	0.000	0.117	
Program Management Support	Various	Classified-2:Classified	0.000	0.000		0.000		0.530	Nov 2013	-		0.530	0.000	0.530	

**UNCLASSIFIED** Page 8 of 12

R-1 Line #180

PE 0204575N: Elect Warfare Readiness Supt Navy

Exhibit R-3, RDT&E Project Cost Analysis: PB 2014 Navy

DATE: April 2013

APPROPRIATION/BUDGET ACTIVITY

R-1 ITEM NOMENCLATURE

PROJECT

1319: Research, Development, Test & Evaluation, Navy

PE 0204575N: Elect Warfare Readiness Supt

2263: Information Warfare System

BA 7: Operational Systems Development

	ΓV

Management Servic	Contract Method & Type Activity & Location Various Classified-3:Classified Various Classified-4:Classified 1.6	(\$ in Millions)		FY 2012		FY 2	2013		2014 ise		FY 2014 OCO				
Cost Category Item	Method	Performing	All Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To	Total Cost	Target Value of Contract
Program Engineering	Various	Classified-3:Classified	0.000	0.000		0.000		0.909	Nov 2013	-		0.909	0.000	0.909	
Project Engineering	Various	Classified-4:Classified	1.675	1.225	Oct 2011	1.425	Oct 2012	0.000		-		0.000	0.000	4.325	
		Subtotal	6.913	2.225		2.425		1.439		0.000		1.439	0.000	13.002	
															Target

	All Prior Years	FY 2	2012	FY 2	013	FY 2 Ba	-	FY 20°		Cost To	Total Cost	Target Value of Contract
Project Cost Totals	199.562	17.686		19.843		19.563		0.000	19.563			

Remarks

PE 0204575N: *Elect Warfare Readiness Supt* Navy

Page 9 of 12

Exhibit R-4, RDT&E Schedule Profile: PB 2014 Navy

DATE: April 2013

APPROPRIATION/BUDGET ACTIVITY

1319: Research, Development, Test & Evaluation, Navy

BA 7: Operational Systems Development

R-1 ITEM NOMENCLATURE

PE 0204575N: Elect Warfare Readiness

Supt

**PROJECT** 

2263: Information Warfare System

Information Warfare System			FY	2012			FY	2013		F١	201	4		FY	/ 20	15	i		FY	20	16		F	FY	201	7		FΥ	201	8
	1Q	20	3Q	4Q	1Q	2Q	3Q	4Q	1Q	20	Q 3Q	4Q	10	2	Q 3	Q	4Q	1Q	20	30	2 4	2 1	Q	2Q	30	4Q	10	2Q	3Q	40
Development Work																														
Waveforms			FIOC Del.			FIOC Del.						•					•				4					•				•
Unique Access										_	_	_	ļ	ĺ	ŀ	_		_	_	1		ŀ	_		_	_	ļ	_	_	ļ
TESTING										Γ				T	Ì				Γ	T		Ť								Γ
Prototypes	•						•				•			•	1		•				4	.				•				
MCS-21 Integration										L	_	ļ		L	_	4			L	_	-	İ	İ		_	ļ		L	_	
DELIVERIES										İ			İ	İ		Ì			T			Ť				İ				Ī
IO Capabilties				Modeling and	Sim	nulatio	n La	b				•					•				4					•				•
CNO Capabilities				Spiral Enhancement				Spiral Enhancement				•					•				4					•				•

2014OSD - 0204575N - 2263

Exhibit R-4A, RDT&E Schedule Details: PB 2014 Navy

DATE: April 2013

APPROPRIATION/BUDGET ACTIVITY R-1 ITEM NOMENCLATURE PROJECT

1319: Research, Development, Test & Evaluation, Navy

PE 0204575N: Elect Warfare Readiness

2263: Information Warfare System

BA 7: Operational Systems Development

Supt

# Schedule Details

	Sta	End				
Events by Sub Project	Quarter	Year	Quarter	Year		
nformation Warfare System						
Development Work: Waveforms: 1-Waveforms	3	2012	3	2012		
Development Work: Waveforms: 2-Waveforms	2	2013	2	2013		
Development Work: Waveforms: 3-Waveforms	4	2014	4	2014		
Development Work: Waveforms: 4-Waveforms	4	2015	4	2015		
Development Work: Waveforms: 5-Waveforms	4	2016	4	2016		
Development Work: Waveforms: 6-Waveforms	4	2017	4	2017		
Development Work: Waveforms: 7-Waveforms	4	2018	4	2018		
Development Work: Unique Access: 1-Unique Access	1	2014	4	2014		
Development Work: Unique Access: 2-Unique Access	3	2015	2	2016		
Development Work: Unique Access: 3-Unique Access	1	2017	4	2017		
Development Work: Unique Access: 4-Unique Access	2	2018	3	2018		
TESTING: Prototypes: 1-Prototypes	1	2012	1	2012		
TESTING: Prototypes: 2-Prototypes	3	2013	3	2013		
TESTING: Prototypes: 3-Prototypes	3	2014	3	2014		
TESTING: Prototypes: 4-Prototypes	2	2015	2	2015		
TESTING: Prototypes: 5-Prototypes	4	2015	4	2015		
TESTING: Prototypes: 6-Prototypes	4	2016	4	2016		
TESTING: Prototypes: 7-Prototypes	4	2017	4	2017		
TESTING: MCS-21 Integration: 1-MCS-21 Integration	2	2014	3	2014		
TESTING: MCS-21 Integration: 2-MCS-21 Integration	2	2015	3	2015		
TESTING: MCS-21 Integration: 3-MCS-21 Integration	2	2016	3	2016		

PE 0204575N: *Elect Warfare Readiness Supt* Navy

UNCLASSIFIED
Page 11 of 12

DATE: April 2013 Exhibit R-4A, RDT&E Schedule Details: PB 2014 Navy

APPROPRIATION/BUDGET ACTIVITY R-1 ITEM NOMENCLATURE **PROJECT** 

1319: Research, Development, Test & Evaluation, Navy PE 0204575N: Elect Warfare Readiness 2263: Information Warfare System Supt

BA 7: Operational Systems Development

	Sta	art	En	ıd
Events by Sub Project	Quarter	Year	Quarter	Year
TESTING: MCS-21 Integration: 4-MCS-21 Integration	2	2017	3	2017
TESTING: MCS-21 Integration: 5-MCS-21 Integration	2	2018	3	2018
DELIVERIES: IO Capabilties: 1-IO Capabilities	1	2012	4	2013
DELIVERIES: IO Capabilties: 2-IO Capabilities	4	2014	4	2014
DELIVERIES: IO Capabilties: 3-IO Capabilities	4	2015	4	2015
DELIVERIES: IO Capabilties: 4-IO Capabilities	4	2016	4	2016
DELIVERIES: IO Capabilties: 5-IO Capabilities	4	2017	4	2017
DELIVERIES: IO Capabilties: 6-IO Capabilities	4	2018	4	2018
DELIVERIES: CNO Capabilities: 1-CNO Capabilities	4	2012	4	2012
DELIVERIES: CNO Capabilities: 2-CNO Capabilities	4	2013	4	2013
DELIVERIES: CNO Capabilities: 3-CNO Capabilities	4	2014	4	2014
DELIVERIES: CNO Capabilities: 4-CNO Capabilities	4	2015	4	2015
DELIVERIES: CNO Capabilities: 5-CNO Capabilities	4	2016	4	2016
DELIVERIES: CNO Capabilities: 6-CNO Capabilities	4	2017	4	2017
DELIVERIES: CNO Capabilities: 7-CNO Capabilities	4	2018	4	2018