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 5: System

PE 0604216N / Multi-Mssn Helicopter Upgrade Dev

Development & Demonstration (SDD)

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	1,524.591	20.365	11.434	21.358	-	21.358	6.224	5.702	2.630	2.695	Continuing	Continuing
1707: MH-60R Development	1,524.591	20.365	11.434	21.358	-	21.358	6.224	5.702	2.630	2.695	Continuing	Continuing

Program MDAP/MAIS Code: 191

#### Note

Navy

The Instrument Landing System (ILS) is a New Start in FY 2016. Multifunctional Information Distribution System (MIDS)-Low Volume Terminal (LVT) Block Upgrade 2 (BU2) is not a New Start in FY 2016. This work was commenced under PE 0205604N Tactical Data Link, Project Unit 3020 MIDS/JTRS.

## A. Mission Description and Budget Item Justification

This Program Element includes funding for the development and support of future systems and improvements to current systems of the MH-60R. The MH-60R multi-mission helicopter provides battle group protection and adds significant capability in coastal littorals and regional conflicts. The MH-60R represents a significant avionics improvement to the H-60 series helicopters by enhancing primary mission areas of undersea warfare and surface warfare which includes the fast attack craft/fast inshore attack craft threat response capabilities. Secondary mission areas include search and rescue, vertical replenishment, naval surface fire support, logistics support, personnel transport and medical evacuation.

FY 2016 budget request funds advanced precision kill weapon system, ILS, integration of MIDS-LVT BU2 into the MH-60R, and helicopter infrared suppression system efforts. Efforts include product development, government engineering, integrated logistics support, modeling and simulation and developmental and operational testing.

B. Program Change Summary (\$ in Millions)	FY 2014	FY 2015	<b>FY 2016 Base</b>	FY 2016 OCO	FY 2016 Total
Previous President's Budget	17.565	11.434	22.908	-	22.908
Current President's Budget	20.365	11.434	21.358	-	21.358
Total Adjustments	2.800	-	-1.550	-	-1.550
Congressional General Reductions	-	-			
Congressional Directed Reductions	-	-			
Congressional Rescissions	-	-			
Congressional Adds	-	-			
<ul> <li>Congressional Directed Transfers</li> </ul>	-	-			
Reprogrammings	3.200	-			
SBIR/STTR Transfer	-0.400	-			
<ul> <li>Program Adjustments</li> </ul>	-	-	2.000	-	2.000
Rate/Misc Adjustments	-	-	-3.550	-	-3.550

PE 0604216N: Multi-Mssn Helicopter Upgrade Dev

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•		
Exhibit R-2, RDT&E Budget Item Justification: PB 2016 Navy		Date: February 2015
Appropriation/Budget Activity 1319: Research, Development, Test & Evaluation, Navy I BA 5: System Development & Demonstration (SDD)	R-1 Program Element (Number/Name) PE 0604216N / Multi-Mssn Helicopter Upgrade Dev	
Change Summary Explanation		
The FY 2016 funding request was reduced by \$3.367 million to acco	unt for the availability of prior year execution balances.	
Technical: MH-60R is the lead platform for integration of the Multifun (BU2). Funding has been added in FY 2016 to complete modeling ar		ne Terminal (LVT) Block Upgrade 2

PE 0604216N: *Multi-Mssn Helicopter Upgrade Dev* Navy

Exhibit R-2A, RDT&E Project J	ustification	PB 2016 N	lavy								Date: February 2015		
Appropriation/Budget Activity 1319 / 5						I6N <i>I Multi-l</i>	t (Number/ Mssn Helico	, ,	t (Number/Name) MH-60R Development				
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	
1707: MH-60R Development	1,524.591	20.365	11.434	21.358	-	21.358	6.224	5.702	2.630	2.695	Continuing	Continuing	
Quantity of RDT&E Articles		-	-	-	-	-	-	-	-	-			

#### Note

The Instrument Landing System (ILS) is a New Start in FY 2016. Multifunctional Information Distribution System (MIDS)-Low Volume Terminal (LVT) Block Upgrade 2 (BU2) is not a New Start in FY 2016. This work was commenced under PE 0205604N Tactical Data Link, Project Unit 3020 MIDS/JTRS.

### A. Mission Description and Budget Item Justification

The primary mission areas of the MH-60R include anti-submarine warfare and surface warfare which includes the Fast Attack Craft/Fast In-shore Attack Craft (FAC/FIAC) threat response capabilities. Secondary mission areas include search and rescue, vertical replenishment, naval surface fire support, logistics support, personnel transport and medical evacuation. The MH-60R is post-Milestone III; executing Pre-planned Product Improvements (P3I) to air vehicle and mission systems. P3I includes upgrades to communication, navigation, identification friend or foe, multi-spectral targeting system/forward looking infrared radar, automatic radar periscope detection and discrimination, weapons, data link, safety, maintenance, airframe and mission planning systems. Advanced Precision Kill Weapon System (APKWS) and Helicopter Infrared Suppression System (HIRSS) integration will support surface warfare and maritime interdiction operations by providing forward firing weapons, which includes rockets and anti-swarm weapons, by addressing the FAC/FIAC threat. Infrared suppression systems reduce susceptibility to infrared missile threats and have been incorporated onto other H-60 type/model/series, including MH-60R. Reducing MH-60R vulnerability to infrared threats addresses the strategic goal of long-term sustainment of the force. MH-60R aircraft currently have no system for engine exhaust suppression. ILS provides precision approach capability ashore and to supplement currently available Precision Approach Radar (PAR) controlled approaches. The PAR is the only precision approach available to the MH-60R and is slated to be replaced by joint precision approach landing system. Very high frequency omnidirectional radio range navigation capability included with the ILS system provides instrument navigation after disestablishment of factical air command and navigation system in the continental United States. MH-60R is the lead platform for integration of the MIDS-LVT BU2. Additionally, a service life assessment program, trade studies

FY 2016 budget request funds APKWS, ILS, integration of MIDS-LVT BU2 into the MH-60R, and HIRSS efforts. Efforts include product development, government engineering, integrated logistics support, modeling and simulation and developmental and operational testing.

B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title: Avionics H/W and S/W Development	15.300	7.694	5.738	-	5.738
Articles:	-	-	-	-	-
<b>Description:</b> Supports aircraft integration, problem investigation and resolution, lab management and upgrades, hardware investigations, and repairs in support of the test program. Provides for integrated logistics support and					

PE 0604216N: Multi-Mssn Helicopter Upgrade Dev

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Exhibit R-2A, RDT&E Project Justification: PB 2016 Navy				Date: Febr	uary 2015		
Appropriation/Budget Activity 1319 / 5	R-1 Program Element (Number/ PE 0604216N / Multi-Mssn Helico Upgrade Dev			t (Number/Name) MH-60R Development			
B. Accomplishments/Planned Programs (\$ in Millions, Article Quant	tities in Each)	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	
program management board support and subvendor support. Avionics hand integration to include: Pre-planned Product Improvements (P3I) and and discrimination. Advanced Precision Kill Weapon System (APKWS), System (HIRSS) address the Fast Attack Craft/Fast In-shore Attack Craft FIAC demonstration utilizing anti-swarm weapon. Instrument Landing Sycabability.	automatic radar periscope detection and Helicopter Infrared Supression ft (FAC/FIAC) threat. Conduct FAC/						
FY 2014 Accomplishments: Commenced APKWS development to address FAC/FIAC threat.							
FY 2015 Plans: Continue APKWS development and commence HIRSS development to a	address FAC/FIAC threat.						
FY 2016 Base Plans: Continue HIRSS development and commence ILS activities.							
FY 2016 OCO Plans: N/A							
Title: Engineering and Logistics		1.605	2.237	5.704	-	5.70	
	Articles:	-	-	-	-	-	
<b>FY 2014 Accomplishments:</b> Provided engineering specialists, Integrated Logistics Support, Government, Program Management, Contract Support Services, and trave Commenced APKWS engineering and logistics efforts.							
FY 2015 Plans: Continue to provide engineering specialists, Integrated Logistics Support Support Equipment, Program Management, Contract Support Services, commence HIRSS engineering and logistics efforts.							
FY 2016 Base Plans: Continue to provide engineering specialists, integrated logistics support, support equipment, program management, contract support services, an							

PE 0604216N: *Multi-Mssn Helicopter Upgrade Dev* Navy

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Exhibit R-2A, RDT&E Project Justi	fication: PB	2016 Navy							Date: Feb	ruary 2015	
Appropriation/Budget Activity 1319 / 5				PE 06	•	<b>ment (Numbe</b> i ulti-Mssn Helio	,		lumber/Na -60R Deve	•	
B. Accomplishments/Planned Proc	grams (\$ in N	Millions, Art	icle Quantit	ties in Each	)		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
and commence ILS engineering effor block upgrade 2 modeling and simula		unctional inf	ormation dis	tribution sys	tem - low vo	lume terminal					
FY 2016 OCO Plans: N/A											
Title: Test and Evaluation						Articles	3.460	1.503	9.916		9.916
FY 2014 Accomplishments: FY 2014 Accomplishments: Continue Weapon System (APKWS) test and e			ssion testing	. Commence	ed Advanced	d Precision Kill					
FY 2015 Plans: Continue APKWS test and evaluation	n efforts.										
FY 2016 Base Plans: Continue APKWS test and evaluation efforts and commence multifunctional modeling and simulation activities.											
<b>FY 2016 OCO Plans:</b> N/A											
			Accomplisi	hments/Pla	nned Progra	ams Subtotals	<b>s</b> 20.365	11.434	21.358	-	21.358
C. Other Program Funding Summa	ıry (\$ in Milli	ons)									
Line Man	EV 0044	EV 0045	FY 2016	FY 2016	FY 2016	EV 0047	EV 0040	EV 0040	EV 0000	Cost To	Tatal Oaa
Line Item  • APN-1 BLI:018200: MH-60R  • APN-6 BLI:060510:	<b>FY 2014</b> 779.653 0.304	<b>FY 2015</b> 983.387	<u>Base</u> 969.991 0.069	<u>0C0</u> - -	<u>Total</u> 969.991 0.069	<b>FY 2017</b> 69.052	FY 2018 - -	<u>FY 2019</u> - -	<u>F Y 2020</u> - -		Total Cos 11,260.736 299.476
MH-60R spares • APN-5 BLI:053000: SH60 Series	53.855	46.563	53.132	-	53.132	65.810	71.913	96.680	74.842	Continuing	Continuin
Remarks APN-5 BLI:053000 reflects funding f	rom OSIP 00	1-06 and pri	ior year fund	ing from OS	IPs 005-12 a	and 001-06 on	ly.				

PE 0604216N: Multi-Mssn Helicopter Upgrade Dev

Navy

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Exhibit R-2A, RDT&E Project Justification: PB 2016 Navy		Date: February 2015
Appropriation/Budget Activity 1319 / 5	R-1 Program Element (Number/Name) PE 0604216N / Multi-Mssn Helicopter Upgrade Dev	Project (Number/Name) 1707 I MH-60R Development
D. Acquisition Strategy APKWS, ILS, and helicopter infrared suppression system will be developed us	ing cost plus incentive fee type contracts.	
E. Performance Metrics Successfully support developmental and operation test activities to qualify airc	raft modifications/ungrades	
odecessially support developmental and operation test activities to quality alle	rait modifications/upgrades.	

PE 0604216N: *Multi-Mssn Helicopter Upgrade Dev* Navy

Exhibit R-3, RDT&E Project Cost Analysis: PB 2016 Navy

R-1 Program Element (Number/Name)

1.670 Mar 2016

4.068 Jun 2016

5.738

Project (Number/Name)

Appropriation/Budget Activity 1319 / 5

PE 0604216N / Multi-Mssn Helicopter Upgrade Dev 1707 I MH-60R Development

1.670

4.068

5.738

5.820

7.960

4.068

1,154.255

5.820 1,188.807

7.960

4.500

Date: February 2015

Product Developmen	nt (\$ in M	illions)		FY	2014	FY 2	2015		2016 ase		2016 CO	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 Hdw/SW Dev, Advanced Precision Kill Weapon System (APKWS)	SS/CPIF	Lockheed Martin : Owego, NY	0.000	5.700	Sep 2014	3.684	Jun 2015	-		-		-	-	9.384	5.700
Primary Hdw Dev. APKWS	SS/CPIF	Sikorsky : Stratford, CT	0.000	6.400	Jun 2014	3.540	Jun 2015	-		-		-	-	9.940	9.940
Primary SW Dev. Fast Attack Craft/Fast In-Shore Attack Craft (FAC/FIAC) demo	SS/BOA	Lockheed Martin : Owego, NY	0.000	1.213	Jul 2014	-		-		-		-	-	1.213	-
Primary SW Dev. FAC/ FIAC demo	WR	Redstone Aresenal : Huntsville, AL	0.000	1.987	Sep 2014	-		-		-		-	-	1.987	-
Primary Hdw/SW Dev,		Cikaraky : Stratford													

0.470 Mar 2015

#### Remarks

the FYDP

System

Helicopter Infrared

Suppression System
Primary Hdw/SW Dev,

Instrument Landing

Prior year Product Dev Cost no longe funded in

FAC/FIAC demonstration in FY 2014 is being conducted with anti-swarm weapon.

CT

SS/CPIF

SS/CPFF

Various

Sikorsky: Stratford,

Lockheed Martin:

Various: Various

Owego, NY

0.000

0.000

15.300

1,154.255

**Subtotal** 1,154.255

Support (\$ in Millions)				FY 2	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	Total Cost	Target Value of Contract
Government Engineering Support, Projects commencing prior to FY16	WR	NAWC AD : Patuxent River, MD	9.625	0.909	Nov 2013	2.175	Nov 2014	3.498	Nov 2015	-		3.498	Continuing	Continuing	Continuing

7.694

PE 0604216N: *Multi-Mssn Helicopter Upgrade Dev* Navy

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Date: February 2015 Exhibit R-3, RDT&E Project Cost Analysis: PB 2016 Navy Appropriation/Budget Activity R-1 Program Element (Number/Name) **Project (Number/Name)** 1319 / 5

PE 0604216N I Multi-Mssn Helicopter

Upgrade Dev

1707 I MH-60R Development

Support (\$ in Millions	s)			FY 2	2014	FY 2	2015		2016 ase	FY 2	2016 CO	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	Total Cost	Target Value of Contract
Government eng spt, Projects commencing prior to FY16	Various	Various : Various	0.195	0.650	Nov 2013	-		-		-		-	-	0.845	-
Government eng spt, ILS	Various	Various : Various	0.000	-		-		1.969	Nov 2015	-		1.969	Continuing	Continuing	Continuing
Government eng spt, Multifunctional Information Distribution System (MIDS)-Low Volume Terminal (LVT) Block Upgrade 2 (BU2)	WR	NAWC AD : Patuxent River, MD	0.000	-		-		0.178	Nov 2015	-		0.178	-	0.178	-
Prior year support cost no longer funded in the FYDP	Various	Various : Various	146.840	-		-		-		-		-	-	146.840	-
		Subtotal	156.660	1.559		2.175		5.645		-		5.645	-	-	-

### Remarks

<sup>2.</sup> FY 2014 & FY 2015 costs for government engineering support for projects commencing prior to FY 2016 include automatic radar periscope detection and discrimination and advanced precision kill weapon system.

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
Developmental Test & Evaluation (DT&E), Projects commencing prior to FY16	WR	NAWC AD : Patuxent River, MD	148.758	2.263	Nov 2013	1.028	Nov 2014	1.000	Nov 2015	-		1.000	1.800	154.849	-
Operation Test & Evaluation (OT&E),Projects commencing prior to FY16	WR	COMOPTEVFOR : Norfolk, VA	14.134	1.197	Nov 2013	0.475	Nov 2014	2.412	Nov 2015	-		2.412	1.200	19.418	-
DT&E, Instrument Landing System (ILS)	WR	NAWC AD : Patuxent River, MD	0.000	-		-		3.074	Nov 2015	-		3.074	0.840	3.914	-

PE 0604216N: Multi-Mssn Helicopter Upgrade Dev Navy

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<sup>1.</sup> Commencing in FY 2016 support costs will be broken out by individual project. FY 2016 increase in government engineering support is required to commence efforts for the ILS and MIDS-LVT BU2.

Exhibit R-3, RDT&E Project Cost Analysis: PB 2016 Navy

Appropriation/Budget Activity
1319 / 5

R-1 Program Element (Number/Name)
PE 0604216N / Multi-Mssn Helicopter
Upgrade Dev

Project (Number/Name)
1707 / MH-60R Development

Test and Evaluation (	(\$ in Milli	ons)		FY 2	2014	FY 2	2015	FY 2 Ba		FY 2	2016 CO	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
DT&E, MIDS LVT BU2	WR	NAWC AD : Patuxent River, MD	0.000	-		-		1.822	Nov 2015	-		1.822	-	1.822	-
OT&E,ILS	WR	COMOPTEVFOR : Norfolk, VA	0.000	-		-		1.608	Nov 2015	-		1.608	0.283	1.891	-
Prior year T&E costs no longer funded in the FYDP	Various	various : various	11.688	-		-		-		-		-	-	11.688	-
		Subtotal	174.580	3.460		1.503		9.916		-		9.916	4.123	193.582	-

#### Remarks

<sup>2.</sup> FY 2014 & FY 2015 costs for DT and OT projects commencing prior to FY 2016 include automatic radar periscope detection and discrimination and APKWS.

Management Service	es (\$ in M	illions)		FY 2	2014	FY 2	2015		2016 ise	FY 2		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
Travel	WR	NAWC AD : Patuxent River, MD	4.840	0.046	Nov 2013	0.062	Nov 2014	0.059	Nov 2015	-		0.059	0.174	5.181	-
Prior year Mgmt Serv cost no longer funded in the FYDP	Various	Various : Various	34.256	-		-		-		-		-	-	34.256	-
		Subtotal	39.096	0.046		0.062		0.059		-		0.059	0.174	39.437	-
															T4

	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	Cost To	Total Cost	Target Value of Contract
			1 77.7						
Project Cost Totals	1,524.591	20.365	11.434	21.358	_	21.358	_	-	_ '

#### Remarks

PE 0604216N: *Multi-Mssn Helicopter Upgrade Dev* Navy

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<sup>1.</sup> Commencing in FY 2016 test and evaluation costs will be broken out by individual project. FY 2016 increase in test and evaluation supports commencement of Advanced Precision Kill Weapon System (APKWS) operational test (OT) activities, Instrument Landing System developmental test (DT) and OT activities, and Multifunctional Information Distribution System-Low Volume Terminal Block Upgrade 2 modeling and simulation efforts.

Exhibit R-4, RDT&E Schedule Prot Appropriation/Budget Activity	IIIG. 1 D A	LUIUINA	v y						D 4	D=	N W C 15	. Ela	100 5	n4 /11		20-/1	le:	٠١	D.		ot /					y 20	
319 / 5																				(Number/Name) //H-60R Development							
PE 0604216N: Multi-Mission Helicopter Upgrade Development	FY 2014				FY 2015				FY 2016			1	FY 2017			FY 2018			3	FY 2019			9 FY 2020				
	1Q	2Q	3Q	4Q	1Q	2Q	3Q 4	iQ	1Q	2Q   3	3Q	4Q 1	1Q 2	Q 30	140	10	2Q	3Q	4Q	10	2 2Q	3Q	4Q	1Q	2Q	3Q	4Q
Acquisition Milestones  Milestones		ARPDE IOC	,			PKWS EOC																					
Systems Development	<del>                                     </del>	†	╁	i i	<del>   </del>			┪	_	_	$\dashv$	$\dashv$	╅	┪	╅	1	╁	<del>                                     </del>	$\dashv$	╁	╁	╁	╁	1		<del>                                     </del>	
APKWS			Α	PKV	NS int	tegratio	n de	velo	opme	ent														1			
Helicopter Infrared Suppression	İ		Π								н	RSS	dev	elopr	nent		'	'	'	'	'	İ	İ	İ		İ	
System (HIRSS)		1			-		I I	ı	Т	ı	Т	ı	ı	1	ı	ı	ı	ı	Т	ı	ı	┪ .	1	1	   SI	AP	
Service Life Assessment Program (SLAP)																								de		ppme	nt
Multifunction Information Distribution System (MIDS)-Low Volume Terminal (LVT)										IDS- velop	LVT omen	nt	İ														
Instrument Landing System (ILS)		İ	İ	İΙ	i i		İΪ	İ		IL	LS D	evelo	opm	ent	İ	İ	İ	İ	İ	İ	İ	İ	İ	İ		İ	
Test and Evaluation	<del>                                     </del>	†	╁	i i	i i i i i		<del>   </del>	╁	─┌	$\neg$	$\neg$	$\neg$	$\neg$	$\neg$	╗	┪	╁	<del>                                     </del>	┪	╁	╁	╁	╁	<del>                                     </del>		i	
	ARPDD OT	<u>'</u>			APK	WS DT																					
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Production Milestones	1	†	╁	╁				$\dashv$	一厅	$\overline{}$	$\neg$	$\neg$	$\dashv$	_	╁	╁	╁	<del>                                     </del>	_	╁	╁	╁	╁	╁			
														ILS	\$			HIRS	s								
Contract Awards		1	1											•	•	•					•		•	•			

PE 0604216N: *Multi-Mssn Helicopter Upgrade Dev* Navy

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Exhibit R-4A, RDT&E Schedule Details: PB 2016 Navy			Date: February 2015
Appropriation/Budget Activity 1319 / 5	, ,	- 3 (	umber/Name) -60R Development

# Schedule Details

	Sta	art	En	d
Events by Sub Project	Quarter	Year	Quarter	Year
PE 0604216N: Multi-Mission Helicopter Upgrade Development	,			
Acquisition Milestones: Milestones: Automatic Radar Periscope Detection & Discrimination (ARPDD) IOC	2	2014	2	2014
Acquisition Milestones: Milestones: Advanced Precision Kill Weapon System (APKWS) EOC	2	2015	2	2015
Systems Development: APKWS: APKWS integration development	2	2014	4	2016
Systems Development: Helicopter Infrared Suppression System (HIRSS): HIRSS development	2	2015	2	2019
Systems Development: Service Life Assessment Program (SLAP): SLAP development	1	2020	4	2020
Systems Development: Multifunction Information Distribution System (MIDS)-Low Volume Terminal (LVT): Block Upgrade 2 Integration	1	2016	4	2016
Systems Development: Instrument Landing System (ILS): ILS integration	2	2016	3	2017
Test and Evaluation: ARPDD OT	1	2014	1	2014
Test and Evaluation: APKWS DT	2	2014	2	2016
Test and Evaluation: APKWS OT	2	2016	4	2016
Test and Evaluation: HIRSS DT	3	2017	2	2018
Test and Evaluation: HIRSS OT	2	2018	1	2019
Test and Evaluation: ILS DT	3	2016	2	2017
Test and Evaluation: ILS OT	4	2016	3	2017
Test and Evaluation: MIDS-LVT DT	2	2016	4	2016
Production Milestones: Contract Awards: HIRSS Kit	3	2018	3	2018
Production Milestones: Contract Awards: ILS Kit	3	2017	3	2017

PE 0604216N: *Multi-Mssn Helicopter Upgrade Dev* Navy

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