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Exhibit R-2, RDT&E Budget Item Justification: PB 2015 Navy										Date: March 2014		
Appropriation/Budget Activity 1319: Research, Development, Test & Evaluation, Navy / BA 5: System Development & Demonstration (SDD)					R-1 Program Element (Number/Name) PE 0605212N / CH-53K							
COST (\$ in Millions)	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO #	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	Cost To Complete	Total Cost
Total Program Element	3,297.334	535.552	462.280	573.187	-	573.187	714.100	471.360	185.078	186.245	165.764	6,590.900
3059: CH-53K Development	3,297.334	535.552	462.280	573.187	-	573.187	714.100	471.360	185.078	186.245	165.764	6,590.900
MDAP/MAIS Code: 390												
# The FY 2015 OCO Request will be submitted at a later date.												
A. Mission Description and Budget Item Justification												
<p>The CH-53 is the only marinized heavy-lift helicopter in the world and is the Marine Corp's only heavy-lift helicopter. The CH-53 mission is the conduct of expeditionary heavy-lift assault transport of armored vehicles, equipment and personnel to support distributed operations deep inland from a sea-based center of operations. The CH-53E "Super Stallion" was introduced into operations in 1980 as an upgrade version of the CH-53D. The CH-53E has developed performance degradation, fatigue life, interoperability, maintenance supportability, and other operational concerns. An improved CH-53 is needed to support Marine Air-Ground Task Force heavy-lift requirements in the 21st century joint environment. The CH-53K will provide improvements in range and payload, performance, cargo handling, turn-around times, reliability and maintainability, interoperability, and survivability. The CH-53K program is required to provide full system capability, including shipboard compatibilities, at Initial Operational Capability (IOC).</p>												
<p>Total aircraft quantities for the CH-53K program are 205 helicopters. This includes one Ground Test Vehicle (GTV) and four Engineering Development Models (EDMs) for System Development and Demonstration (SDD), to be purchased with Research, Development, Test & Evaluation (RDT&E) funds. Of the remaining 200 aircraft, six will be System Demonstration Test Articles (SDTA's) and will be incrementally funded using RDT&E funds. The SDTA's will be used to prove out production and integration processes on a pilot production line, and to provide aircraft for Initial Operational Test and Evaluation. The remaining 194 aircraft will be Aircraft Procurement, Navy funded.</p>												
<p>FY15 RDT&E efforts focus on CH-53K SDD activities that include: ground and flight test of GTV, EDMs, associated subsystems and components, and the continued fabrication and assembly of SDTAs.</p>												
<p>JUSTIFICATION FOR BUDGET ACTIVITY: This program is funded under SYSTEM DEVELOPMENT AND DEMONSTRATION because it includes those projects that have passed Milestone B approval and are conducting engineering and manufacturing development tasks aimed at meeting validated requirements prior to full-rate production decision.</p>												

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Appropriation/Budget Activity		R-1 Program Element (Number/Name)			
1319: Research, Development, Test & Evaluation, Navy / BA 5: System Development & Demonstration (SDD)		PE 0605212N / CH-53K			
B. Program Change Summary (\$ in Millions)	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total
Previous President's Budget	606.204	503.180	597.407	-	597.407
Current President's Budget	535.552	462.280	573.187	-	573.187
Total Adjustments	-70.652	-40.900	-24.220	-	-24.220
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-40.900			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-4.000	-			
• SBIR/STTR Transfer	-17.298	-			
• Program Adjustments	-	-	-6.576	-	-6.576
• Rate/Misc Adjustments	0.001	-	-17.644	-	-17.644
• Congressional General Reductions Adjustments	-49.355	-	-	-	-
Change Summary Explanation					
Technical: Not applicable.					
Schedule - Late delivery of components into qualification, and subsequent qualification challenges, have delayed Ground Test Vehicle (GTV) delivery, Flight Readiness Reviews (FRR - GTV & 1st Flight), Engineering Development Models (EDM) delivery and CH-53K 1st Flight, and have moved Milestone C (MSC) and other associated events to 3Q 2016. Budgetary constraints delayed start of the Aircraft Procurement (APN) program by one year. As such, Advanced Acquisition Contracts (AAC) and LRIP awards have been adjusted accordingly. In order to procure aircraft that effectively demonstrate manufacturing processes are both mature and under control, two (2) additional RDT&E,N-funded System Demonstration Test Articles (SDTAs) in FY15 with delivery in 4Q 2018 and 1Q 2019 were added to the program.					

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Exhibit R-2A, RDT&E Project Justification: PB 2015 Navy									Date: March 2014			
Appropriation/Budget Activity 1319 / 5					R-1 Program Element (Number/Name) PE 0605212N / CH-53K				Project (Number/Name) 3059 / CH-53K Development			
COST (\$ in Millions)	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO #	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	Cost To Complete	Total Cost
3059: CH-53K Development	3,297.334	535.552	462.280	573.187	-	573.187	714.100	471.360	185.078	186.245	165.764	6,590.900
Quantity of RDT&E Articles	0.000	4.000	-	2.000	-	2.000	-	-	-	-		
# The FY 2015 OCO Request will be submitted at a later date.												
A. Mission Description and Budget Item Justification												
The CH-53 is the only marinized heavy-lift helicopter in the world and is the Marine Corp's only heavy-lift helicopter. The CH-53 mission is the conduct of expeditionary heavy-lift assault transport of armored vehicles, equipment and personnel to support distributed operations deep inland from a sea-based center of operations. The CH-53E "Super Stallion" was introduced into operations in 1980 as an upgrade version of the CH-53D. The CH-53E has developed performance degradation, fatigue life, interoperability, maintenance supportability, and other operational concerns. An improved CH-53 is needed to support Marine Air-Ground Task Force heavy-lift requirements in the 21st century joint environment. The CH-53K will provide improvements in range and payload, performance, cargo handling, turn-around times, reliability and maintainability, interoperability, and survivability. The CH-53K program is required to provide full system capability, including shipboard compatibilities, at Initial Operational Capability (IOC).												
Total aircraft quantities for the CH-53K program are 205 helicopters. This includes one Ground Test Vehicle (GTV) and four Engineering Development Models (EDMs) for System Development and Demonstration (SDD), to be purchased with Research, Development, Test & Evaluation (RDT&E) funds. Of the remaining 200 aircraft, six will be System Demonstration Test Articles (SDTA's) and will be incrementally funded using RDT&E funds. The SDTA's will be used to prove out production and integration processes on a pilot production line, and to provide aircraft for Initial Operational Test and Evaluation. SDTA's are shown in the year of contract award vice year of delivery. The remaining 194 aircraft will be Aircraft Procurement, Navy funded.												
FY15 RDT&E efforts focus on CH-53K SDD activities that includes ground and flight test of GTV, EDMs, associated subsystems and components, and the continued fabrication and assembly of SDTAs.												
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)									FY 2013	FY 2014	FY 2015	
Title: Air Vehicle Development									449.542	364.678	477.487	
									Articles: 4.000	-	2.000	
FY 2013 Accomplishments:												
Performed Systems Design and Development fabrication and assembly activities for the CH-53K EDM air vehicles and its associated subsystems and components, GFE and CH-53K ancillary systems. Initiated System Demonstration Test Articles procurement and start aircraft systems ground testing and flight test preparation.												
FY 2014 Plans:												
Perform Systems Design and Development fabrication and assembly activities for the CH-53K Engineering Development Models (EDMs) air vehicles and their associated subsystems and components, Government Furnished Equipment and CH-53K												

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Appropriation/Budget Activity 1319 / 5		R-1 Program Element (Number/Name) PE 0605212N / CH-53K		Project (Number/Name) 3059 / CH-53K Development	
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)			FY 2013	FY 2014	FY 2015
ancillary systems. Focus on ground and flight test of Ground Test Vehicle (GTV) and EDMs and continued fabrication of System Demonstration Test Articles and associated components.					
FY 2015 Plans: Perform ground and flight test of the CH-53K GTV, EDMs and their associated subsystems and components. Evaluate and implement producability, reliability and capability improvements. Continued fabrication and assembly of System Demonstration Test Articles.					
Title: Integrated Logistics Support and Test & Evaluation (T&E)			24.281	47.269	43.943
Articles:			-	-	-
FY 2013 Accomplishments: Performed in-house, field activity, and contractor support of Integrated Logistic support. T&E activities included further component qualifications and initial GTV testing. Continued to increase staffing of Integrated Test Team in preparation for flight test.					
FY 2014 Plans: Perform in-house, field activity, and contractor support of Integrated Logistic support. T&E activities include further component qualifications and ground and flight testing. Continue to increase staffing of Integrated Test Team for flight test.					
FY 2015 Plans: Perform in-house, field activity, and contractor support of Integrated Logistic support. T&E activities include further component qualification and validation of Supportability Test Plans during ground and flight test. Continue to further develop Product Support Packages in preparation for an Integrated Logistics Assessment as required for Milestone C decision.					
Title: Systems Engineering & Project Management			61.729	50.333	51.757
Articles:			-	-	-
FY 2013 Accomplishments: Performed in-house, field activity, and contractor support of IPTs to allowed for the examination and certification of equipment and avionics for the CH-53K. Efforts included continued component qualification, preparation for Engineering Development Model flight certification, government development support, engineering support, program management support, systems engineering support, and travel for the CH-53K program.					
FY 2014 Plans: Perform in-house, field activity, and contractor support of Integrated Product Teams to allow for the examination and certification of equipment and avionics for the CH-53K. Efforts include continued component qualification, preparation for Engineering Development Model flight certification, government development support, engineering support, program management support, systems engineering support, and travel for the CH-53K program.					
FY 2015 Plans:					

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B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)										FY 2013	FY 2014	FY 2015
Perform in-house, field activity, and contractor support of Integrated Product Teams to allow for the examination and certification of equipment and avionics for the CH-53K. Efforts include Engineering Development Model flight test certification, component reliability and producibility improvements in support of System Demonstration Test Articles (SDTA's), engineering support, program management support, and travel for the CH-53K program.												
Accomplishments/Planned Programs Subtotals										535.552	462.280	573.187
C. Other Program Funding Summary (\$ in Millions)												
Line Item	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	Cost To Complete	Total Cost	
• APN / 0158: CH-53K (Heavy Lift)	-	-	-	-	-	41.300	472.865	729.842	1,055.118	19,854.942	22,154.067	
• APN / 0605: CH-53K (Heavy Lift) - Initial Spares	-	-	-	-	-	6.580	34.760	62.179	99.466	470.315	673.300	
Remarks												
D. Acquisition Strategy												
On 31 October 2005, the Defense Acquisition Board reviewed the CH-53K program for a Milestone (MS) B decision on entry to Systems Design and Development (SDD). The Under Secretary of the Defense (Acquisition, Technology and Logistics) signed the Acquisition Decision Memorandum allowing the program to proceed with SDD on 22 December 2005. The CH-53K program was initiated as an Acquisition Category 1D program, based on total estimated costs for Research, Development, Test and Evaluation and Aircraft Procurement, Navy. The SDD prime contract was awarded sole-source contract to Sikorsky Aircraft Corporation on 5 April, 2006, following the MS B decision. SDD efforts will develop and document technology maturations, selections, and integration into CH-53E design modifications for a new CH-53K variant; produce one CH-53K Ground Test Vehicle and four CH-53K Engineering Developmental Models; and conduct and support Test and Evaluation activities fulfilling milestone exit criteria. In FY13, the SDD contract was modified to include four System Demonstration Test Articles (SDTA's). In FY15, the SDD contract will be modified to add two additional SDTA aircraft. Additionally, the program initiated procurement of the SDTA T408-GE-400 engines, which have been converted from Contractor Furnished Equipment to Government Furnished Equipment.												
E. Performance Metrics												
Since MS B, the program team has followed a disciplined, event-driven, design and development process. The program completed Preliminary Design Review in September 2008 and conducted Critical Design Review in July 2010. System meets or exceeds all Key Performance Parameters.												

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2015 Navy												Date: March 2014			
Appropriation/Budget Activity 1319 / 5						R-1 Program Element (Number/Name) PE 0605212N / CH-53K				Project (Number/Name) 3059 / CH-53K Development					
Product Development (\$ in Millions)				FY 2013		FY 2014		FY 2015 Base		FY 2015 OCO		FY 2015 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	SS/CPIF	Sikorsky : Stratford, CT	2,738.528	394.259	Dec 2012	322.651	Dec 2013	426.433	Dec 2014	-		426.433	1,283.799	5,165.670	5,165.670
Government Furnished Equipment	Various	Various : Various	41.372	13.583	Dec 2012	2.000	Dec 2013	8.070	Dec 2014	-		8.070	11.429	76.454	-
Government Furnished Equipment	SS/CPIF	GE : Lynn, MA	0.000	23.271	Apr 2013	13.110	Apr 2014	27.234	Apr 2015	-		27.234	51.069	114.684	114.684
Incentive Fees	SS/CPIF	Sikorsky : Stratford, CT	34.070	18.429	Dec 2012	26.917	Dec 2013	15.750	Dec 2014	-		15.750	19.205	114.371	114.371
Prior year Prod Dev cost no longer funded in the FYDP	Various	Various : Various	73.400	-		-		-		-		-	-	73.400	-
Subtotal			2,887.370	449.542		364.678		477.487		-		477.487	1,365.502	5,544.579	-
Remarks															
Award Fee earned prior to contract conversion was fifty-five percent of the available award fee pool.															
Cost Plus Award Fee (CPAF) to Cost Plus Incentive Fee (CPIF) contract conversion awarded 31 Mar 11.															
Primary Hardware Development Target Value of Contract includes System Demonstration Test Articles (SDTA's).															
FY14 Incentive Fees associated with potential Schedule Incentives based on continued progress of the Engineering Development Model (EDMs) aircraft.															
Support (\$ in Millions)				FY 2013		FY 2014		FY 2015 Base		FY 2015 OCO		FY 2015 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 Support	Various	NAWCAD : Lakehurst, NJ	0.000	1.824	Dec 2012	4.737	Dec 2013	0.540	Dec 2014	-		0.540	23.844	30.945	-
Integrated Logistics Support	WR	NAWCAD : Lakehurst, NJ	7.100	2.275	Dec 2012	5.100	Dec 2013	4.566	Dec 2014	-		4.566	17.134	36.175	-
Integrated Logistics Support	WR	NADEP : Cherry Point, NC	4.200	2.100	Dec 2012	3.000	Dec 2013	4.775	Dec 2014	-		4.775	11.525	25.600	-
Integrated Logistics Support	C/CPFF	GDIT : Fairfax, VA	6.089	2.395	Apr 2013	3.591	Apr 2014	3.420	Apr 2015	-		3.420	6.150	21.645	21.645
Integrated Logistics Support	WR	Various : Various	34.650	0.945	Dec 2012	2.491	Dec 2013	2.691	Dec 2014	-		2.691	14.871	55.648	-
Studies & Analyses	WR	NSWC : Crane, IN	2.500	-	Dec 2012	1.000	Dec 2013	-		-		-	-	3.500	-

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Support (\$ in Millions)				FY 2013		FY 2014		FY 2015 Base		FY 2015 OCO		FY 2015 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
Studies & Analyses	Various	Various : Various	21.627	0.300	Jun 2013	0.500	Dec 2013	-		-		-	3.500	25.927	-
Subtotal			76.166	9.839		20.419		15.992		-		15.992	77.024	199.440	-
Remarks															
Integrated Logistics Support/GDIT entry identified separately for OSD15 submit. Requirement had previously been included within the ILS/Various entry.															
Test and Evaluation (\$ in Millions)				FY 2013		FY 2014		FY 2015 Base		FY 2015 OCO		FY 2015 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	WR	Various : Various	11.846	3.462	Dec 2012	6.700	Dec 2013	3.136	Dec 2014	-		3.136	29.520	54.664	-
Developmental Test & Evaluation	WR	NAWCAD : Pax River, MD	6.234	9.481	Dec 2012	16.472	Dec 2013	20.919	Dec 2014	-		20.919	20.855	73.961	-
Operational Test & Evaluation	WR	COMPTEVFOR : Norfolk, VA	1.619	0.399	Dec 2012	0.678	Dec 2013	0.878	Dec 2014	-		0.878	34.122	37.696	-
Live Fire Test & Evaluation	WR	NAWCWD : China Lake, CA	3.396	1.100	Dec 2012	3.000	Dec 2013	3.018	Dec 2014	-		3.018	15.082	25.596	-
Subtotal			23.095	14.442		26.850		27.951		-		27.951	99.579	191.917	-
Management Services (\$ in Millions)				FY 2013		FY 2014		FY 2015 Base		FY 2015 OCO		FY 2015 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
Contractor Engineering Support	Various	Various : Various	13.925	1.960	Dec 2012	2.232	Dec 2013	1.928	Dec 2014	-		1.928	9.355	29.400	-
Government Engineering Support	WR	NAWCAD : Pax River, MD	210.812	45.610	Dec 2012	33.845	Dec 2013	36.250	Dec 2014	-		36.250	125.176	451.693	-
Program Management Support	C/CPFF	Camber : MD	22.000	13.408	Dec 2012	12.481	Mar 2014	11.960	Mar 2015	-		11.960	5.092	64.941	64.941
Program Management Support	Various	Various : Various	58.854	0.501	Dec 2012	1.500	Dec 2013	1.350	Dec 2014	-		1.350	38.594	100.799	-

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2015 Navy												Date: March 2014			
Appropriation/Budget Activity 1319 / 5						R-1 Program Element (Number/Name) PE 0605212N / CH-53K				Project (Number/Name) 3059 / CH-53K Development					
Management Services (\$ in Millions)				FY 2013		FY 2014		FY 2015 Base		FY 2015 OCO		FY 2015 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	NAWCAD : Pax River, MD	3.162	0.250	Dec 2012	0.275	Dec 2013	0.269	Dec 2014	-		0.269	2.225	6.181	-
Prior year Mgmt cost no longer funded in the FYDP	Various	Various : Various	1.950	-		-		-		-		-	-	1.950	-
Subtotal			310.703	61.729		50.333		51.757		-		51.757	180.442	654.964	-
Remarks															
Camber/PM Support target value of \$65M represents the initial contract duration. When follow-on PM support contract is awarded for FY14, target will be updated to reflect the revised total.															
			Prior Years	FY 2013		FY 2014		FY 2015 Base		FY 2015 OCO		FY 2015 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			3,297.334	535.552		462.280		573.187		-		573.187	1,722.547	6,590.900	-
Remarks															

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Exhibit R-4, RDT&E Schedule Profile: PB 2015 Navy

Date: March 2014

Appropriation/Budget Activity

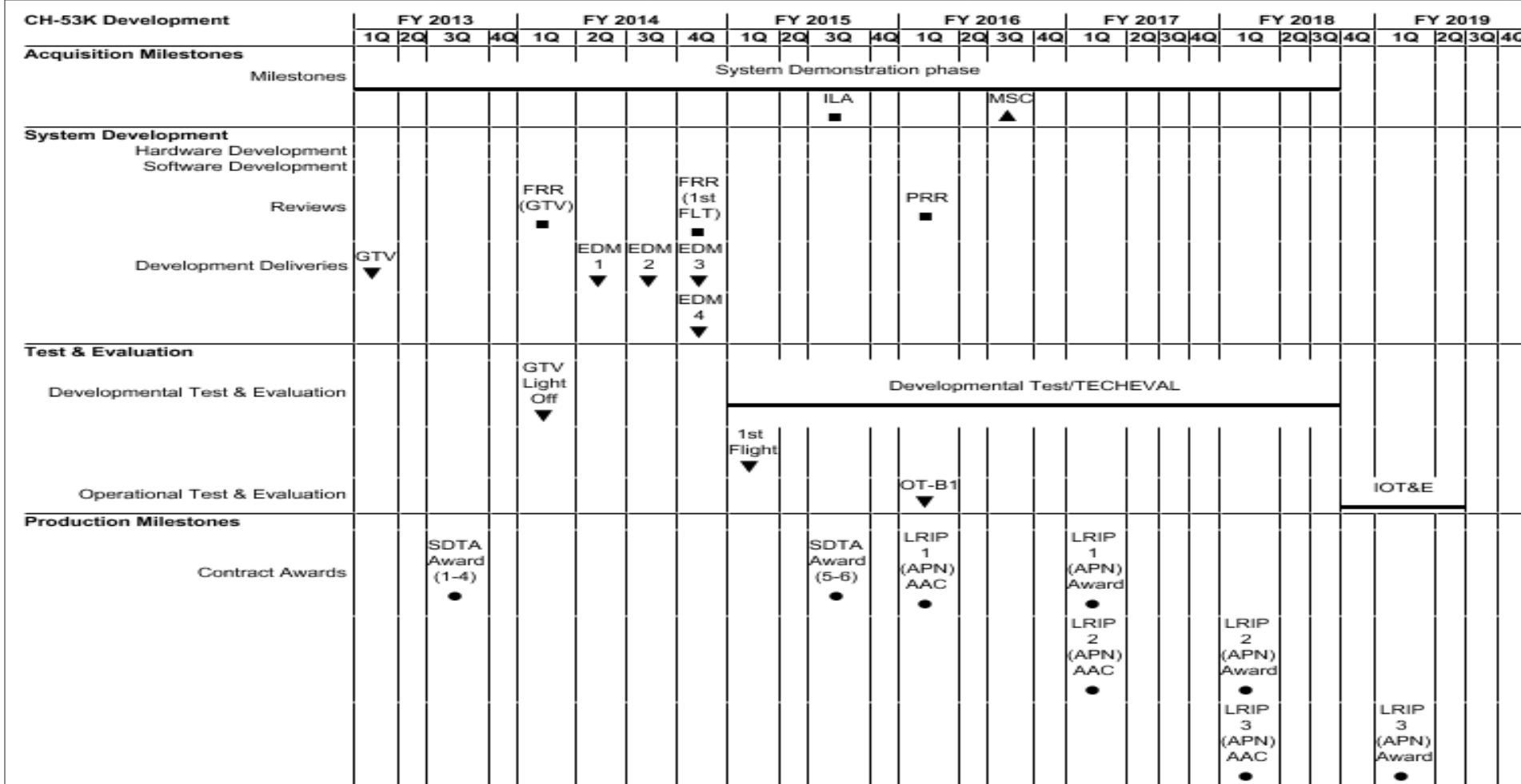
1319 / 5

R-1 Program Element (Number/Name)

PE 0605212N / CH-53K

Project (Number/Name)

3059 / CH-53K Development



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Exhibit R-4, RDT&E Schedule Profile: PB 2015 Navy																		Date: March 2014					
Appropriation/Budget Activity										R-1 Program Element (Number/Name)								Project (Number/Name)					
1319 / 5										PE 0605212N / CH-53K								3059 / CH-53K Development					
Deliveries																							
Sys. Dem. Test Articles (RDT&E)																							

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Exhibit R-4A, RDT&E Schedule Details: PB 2015 Navy			Date: March 2014
Appropriation/Budget Activity 1319 / 5	R-1 Program Element (Number/Name) PE 0605212N / CH-53K	Project (Number/Name) 3059 / CH-53K Development	

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
CH-53K Development				
Acquisition Milestones: Milestones: System Demonstration phase	1	2013	3	2018
Acquisition Milestones: Milestones: Integrated Logistics Assessment (ILA)	3	2015	3	2015
Acquisition Milestones: Milestones: Milestone C	3	2016	3	2016
System Development: Reviews: Flight Readiness Review (FRR) - Ground Test Vehicle (GTV)	1	2014	1	2014
System Development: Reviews: Flight Readiness Review (FRR) - 1st Flight	4	2014	4	2014
System Development: Reviews: Production Readiness Review (PRR)	1	2016	1	2016
System Development: Development Deliveries: Ground Test Vehicle (GTV) Delivery	1	2013	1	2013
System Development: Development Deliveries: Engineering Development Model (EDM) #1 delivery	2	2014	2	2014
System Development: Development Deliveries: Engineering Development Model (EDM) #2 delivery	3	2014	3	2014
System Development: Development Deliveries: Engineering Development Model (EDM) #3 delivery	4	2014	4	2014
System Development: Development Deliveries: Engineering Development Model (EDM) #4 delivery	4	2014	4	2014
Test & Evaluation: Developmental Test & Evaluation: Developmental Test / TECHEVAL	1	2015	3	2018
Test & Evaluation: Developmental Test & Evaluation: GTV Light Off	1	2014	1	2014
Test & Evaluation: Developmental Test & Evaluation: First Flight	1	2015	1	2015
Test & Evaluation: Operational Test & Evaluation: Operational Test & Evaluation (OT) B1 (OT-B1)	1	2016	1	2016
Test & Evaluation: Operational Test & Evaluation: IOT&E	4	2018	2	2019

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Exhibit R-4A, RDT&E Schedule Details: PB 2015 Navy			Date: March 2014	
Appropriation/Budget Activity 1319 / 5	R-1 Program Element (Number/Name) PE 0605212N / CH-53K		Project (Number/Name) 3059 / CH-53K Development	
	Start		End	
Events by Sub Project	Quarter	Year	Quarter	Year
Production Milestones: Contract Awards: System Demonstration Test Articles (SDTA) Award (1-4)	3	2013	3	2013
Production Milestones: Contract Awards: System Demonstration Test Articles (SDTA) Award (5-6)	3	2015	3	2015
Production Milestones: Contract Awards: LRIP Advance Acquisition Contract (lot 1) - APN	1	2016	1	2016
Production Milestones: Contract Awards: LRIP 1 Contract Award - APN	1	2017	1	2017
Production Milestones: Contract Awards: LRIP Advance Acquisition Contract (lot 2) - APN	1	2017	1	2017
Production Milestones: Contract Awards: LRIP 2 Contract Award - APN	1	2018	1	2018
Production Milestones: Contract Awards: LRIP Advance Acquisition Contract (lot 3) - APN	1	2018	1	2018
Production Milestones: Contract Awards: LRIP 3 Contract Award - APN	1	2019	1	2019
Production Milestones: Contract Awards: LRIP Advance Acquisition Contract (lot 4) - APN	1	2019	1	2019
Deliveries: Sys. Dem. Test Articles (RDT&E): System Demonstration Test Articles (SDTA) #1	4	2016	4	2016
Deliveries: Sys. Dem. Test Articles (RDT&E): System Demonstration Test Articles (SDTA) #2	1	2017	1	2017
Deliveries: Sys. Dem. Test Articles (RDT&E): System Demonstration Test Articles (SDTA) #3-4	2	2017	2	2017
Deliveries: Sys. Dem. Test Articles (RDT&E): System Demonstration Test Articles (SDTA) #5	4	2018	4	2018
Deliveries: Sys. Dem. Test Articles (RDT&E): System Demonstration Test Articles (SDTA) #6	1	2019	1	2019