

# UNCLASSIFIED

**Exhibit R-2, RDT&E Budget Item Justification:** PB 2016 Navy **Date:** February 2015

<b>Appropriation/Budget Activity</b> 1319: <i>Research, Development, Test &amp; Evaluation, Navy / BA 7: Operational Systems Development</i>					<b>R-1 Program Element (Number/Name)</b> PE 0702207N / <i>Depot Maintenance (NON-IF)</i>							
<b>COST (\$ in Millions)</b>	<b>Prior Years</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016 Base</b>	<b>FY 2016 OCO</b>	<b>FY 2016 Total</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>	<b>Cost To Complete</b>	<b>Total Cost</b>
Total Program Element	128.051	25.630	21.168	24.185	-	24.185	19.386	19.643	15.066	15.388	Continuing	Continuing
3030: <i>FA-18 SLAP</i>	118.040	21.184	13.853	19.685	-	19.685	19.386	19.643	15.066	15.388	Continuing	Continuing
3182: <i>T-45 SLAP</i>	10.011	4.446	7.315	4.500	-	4.500	-	-	-	-	-	26.272

## **A. Mission Description and Budget Item Justification**

3030: A significant portion of the F/A-18 airframe is believed to have additional inherent capability and a life extension may be possible for many portions of the airframe. The F/A-18 Service Life Assessment Program (SLAP) is assessing the structural and subsystem conditions of the F/A-18 fleet in order to determine what modifications are necessary to extend the aircraft designed life limits to allow it to achieve Chief of Naval Operations inventory requirements. Without SLAP and follow on Service Life Extension Program aircraft are retired from the USN inventory when a design service life metric is reached.

3182: The T-45 SLAP is assessing the subsystem condition of the T-45 fleet in order to determine what modifications are necessary to extend the aircraft subsystem design life limits to allow it to meet Chief of Naval Air Training (CNATRA) Pilot and Naval Flight Officer (NFO) training requirements through 2035.

JUSTIFICATION FOR BUDGET ACTIVITY: This program is funded under OPERATIONAL SYSTEMS DEVELOPMENT because it includes development efforts to upgrade systems that have been fielded or have received approval for full rate production and anticipate funding in the current or subsequent fiscal year.

<b><u>B. Program Change Summary (\$ in Millions)</u></b>	<b><u>FY 2014</u></b>	<b><u>FY 2015</u></b>	<b><u>FY 2016 Base</u></b>	<b><u>FY 2016 OCO</u></b>	<b><u>FY 2016 Total</u></b>
Previous President's Budget	28.042	21.168	19.846	-	19.846
Current President's Budget	25.630	21.168	24.185	-	24.185
Total Adjustments	-2.412	-	4.339	-	4.339
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-1.532	-			
• SBIR/STTR Transfer	-0.880	-			
• Program Adjustments	-	-	4.500	-	4.500
• Rate/Misc Adjustments	-	-	-0.161	-	-0.161

## **Change Summary Explanation**

Technical: Not applicable.

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PE 0702207N: *Depot Maintenance (NON-IF)*  
Navy

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Exhibit R-2A, RDT&E Project Justification: PB 2016 Navy										Date: February 2015		
Appropriation/Budget Activity 1319 / 7					R-1 Program Element (Number/Name) PE 0702207N / Depot Maintenance (NON-IF)				Project (Number/Name) 3030 / FA-18 SLAP			
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
3030: FA-18 SLAP	118.040	21.184	13.853	19.685	-	19.685	19.386	19.643	15.066	15.388	Continuing	Continuing
Quantity of RDT&E Articles		-	-	-	-	-	-	-	-	-		

**A. Mission Description and Budget Item Justification**

The F/A-18 Service Life Assessment Program (SLAP) is assessing the structural and subsystem conditions of the F/A-18 fleet in order to determine what modifications are necessary to extend the aircraft designed life limits to allow it to achieve Chief of Naval Operations (CNO) inventory requirements. The goal of the F/A-18 SLAP program is to identify critical structures and components that can achieve the extended service life limit goals. SLAP consists of structural analyses of the main landing gear, arresting hook and catapult back-up structures, vertical tails, wings and fuselage. A second effort is to assess the subsystem components (hydraulics, wiring, actuators, etc) to identify over and above inspections, overhaul intervals or replacement schedules to fly past design of 6,000 hours. The current life limits for the F/A-18 E/F are 6,000 Flight Hours (FH), 2,250 catapults/arrestments (Cat/Traps) and 15,750 total landings. The F/A-18 SLAP program of record states the SLAP goals as 12,000 FH, 3,500 Cat/Traps and 22,500 total landings. The primary objective of F/A-18 SLAP is to determine if the stated SLAP goals are feasible. An increase in total landings and flight hours would allow the F/A-18 to meet CNO inventory requirements. The requirements are integrated with the Joint Strike Fighter planned introduction. This effort is required to be conducted for these airframes and subsystems to ascertain what actions and modifications must be taken to safely operate each system beyond its designed life until the targeted end of service life.

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

	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016 Base</b>	<b>FY 2016 OCO</b>	<b>FY 2016 Total</b>
<b>Title:</b> F/A-18 SLAP	21.184	13.853	19.685	-	19.685
<b>Articles:</b>	-	-	-	-	-
<b>Description:</b> The current design life limits do not support USN inventory requirements. Funding supports assessing the structural condition of the F/A-18 fleet in order to determine what modifications are necessary to extend the aircraft designed life limits to allow it to achieve CNO inventory requirements.					
<b>FY 2014 Accomplishments:</b> Continued stress analysis of numerous data points to provide exploitation of complete structural fatigue testing with the expectation of extending the current service life of F/A-18E/F from the design limits to the SLAP goals. Locations encompass the forward, center and aft fuselage, inner and outer wings, as well as landing gear.					
<b>FY 2015 Plans:</b> Continue stress analysis of numerous data points to provide exploitation of complete structural fatigue testing with the expectation of extending the current service life of F/A-18E/F from the design limits to the SLAP goals. Locations encompass the forward, center and aft fuselage, inner and outer wings, as well as landing gear.					
<b>FY 2016 Base Plans:</b>					

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2016 Navy				<b>Date:</b> February 2015							
<b>Appropriation/Budget Activity</b> 1319 / 7		<b>R-1 Program Element (Number/Name)</b> PE 0702207N / Depot Maintenance (NON-IF)		<b>Project (Number/Name)</b> 3030 / FA-18 SLAP							
<b>B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)</b>											
	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016 Base</b>	<b>FY 2016 OCO</b>	<b>FY 2016 Total</b>						
Continue stress analysis of numerous data points to provide exploitation of complete structural fatigue testing with the expectation of extending the current service life of F/A-18E/F from the design limits to the SLAP goals. Locations encompass the forward, center and aft fuselage, inner and outer wings, as well as landing gear.											
<b>FY 2016 OCO Plans:</b> N/A											
<b>Accomplishments/Planned Programs Subtotals</b>	21.184	13.853	19.685	-	19.685						
<b>C. Other Program Funding Summary (\$ in Millions)</b>											
<b>Line Item</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016 Base</b>	<b>FY 2016 OCO</b>	<b>FY 2016 Total</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>	<b>Cost To Complete</b>	<b>Total Cost</b>
• APN/0525: F-18 Series (OSIP 020-14)	9.901	11.051	11.057	-	11.057	11.344	56.750	89.240	83.977	1,133.442	1,406.762
<b>Remarks</b>											
<b>D. Acquisition Strategy</b>											
The Service Life Assessment Program (SLAP) program employs sole source contracts with Boeing, the aircraft prime manufacturer. SLAP further decomposes program of record goals into smaller discrete steps, analyzing requirements to extend FH from 6,000 to 9,000 first. These analyses will provide the raw engineering data to develop aircraft modifications to extend total aircraft landings, Cat/Traps, and FH. The F/A-18 SLAP Program consists of two major engineering efforts: the aircraft structural assessment and the aircraft subsystems assessment. Both efforts are broken into multiple phases which develop tools and models, assess current aircraft usage, and develop concepts to extend aircraft life to meet CNO objectives. The program will combine exploitation of complete structural fatigue testing and actual fleet usage with the expectation of extending the service life of the F/A-18 aircraft. Conducting F/A-18 SLAP to study the aircraft lifetime will provide a better estimate of aircraft service life and a follow on Service Life Extension Program (SLEP).											
<b>E. Performance Metrics</b>											
The F/A-18 SLAP provides an assessment of aircraft structure fatigue life as affected by flight maneuver, Cat/Traps and landings, based on actual usage and identifies the efforts required to extend the aircraft life to SLAP goals. During SLAP Structures Phase A (FY08-FY13) tools and modeling necessary to assess usage and fatigue life are developed. During SLAP Structures Phase B (FY11-FY19) specific structural locations which do not meet SLAP goals are identified and analyzed. Subsystem SLAP is also initiated concurrently with Structures Phase (B). A Flight Control Surface SLAP, SLEP retrofit concepts and repairs for deficient locations are developed during SLAP Structures and Sub-Systems Phase C (FY14-FY20). SLAP is followed by the SLEP during which the actual retrofit and repairs are performed under OSIP 020-14 established in FY14.											

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2016 Navy												Date: February 2015			
Appropriation/Budget Activity 1319 / 7						R-1 Program Element (Number/Name) PE 0702207N / Depot Maintenance (NON-IF)				Project (Number/Name) 3030 / FA-18 SLAP					
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
Product Development SLAP F/A-18E-F	SS/CPFF	Boeing : St. Louis, MO	68.525	16.703	Dec 2013	9.635	Dec 2014	15.630	Dec 2015	-		15.630	Continuing	Continuing	Continuing
Prior Year Prod Dev cost no longer funded in FYDP	SS/CPFF	Boeing : St. Louis, MO	28.775	-		-		-		-		-	-	28.775	28.775
Subtotal			97.300	16.703		9.635		15.630		-		15.630	-	-	-
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
SLAP Inventory Model	WR	ONR : Arlington, VA	6.525	-		-		-		-		-	-	6.525	-
SLAP F/A-18 E/F	WR	NAWCAD : Patuxent River, MD	6.161	0.854	Dec 2013	0.795	Dec 2014	0.795	Dec 2015	-		0.795	Continuing	Continuing	Continuing
SLAP F/A-18 E/F	WR	FRC Southwest : San Diego, CA	4.533	0.654	Dec 2013	0.693	Dec 2014	0.693	Dec 2015	-		0.693	Continuing	Continuing	Continuing
Subtotal			17.219	1.508		1.488		1.488		-		1.488	-	-	-
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 - SLAP E/F	WR	NAWCAD : Pax River, MD	0.500	0.157	Dec 2013	0.157	Dec 2014	0.157	Dec 2015	-		0.157	Continuing	Continuing	Continuing
Subtotal			0.500	0.157		0.157		0.157		-		0.157	-	-	-

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2016 Navy												Date: February 2015			
Appropriation/Budget Activity 1319 / 7						R-1 Program Element (Number/Name) PE 0702207N / Depot Maintenance (NON-IF)				Project (Number/Name) 3030 / FA-18 SLAP					
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
Government Engineering and Technical Support SLAP F/A-18 E/F	WR	NAWCAD : Pax River, MD	1.404	1.177	Dec 2013	1.177	Dec 2014	1.177	Dec 2015	-		1.177	Continuing	Continuing	Continuing
Travel	Various	NAVAIR : Pax River, MD	0.000	0.100	Dec 2013	0.050	Dec 2014	0.050	Dec 2015	-		0.050	Continuing	Continuing	Continuing
Program Management Support (Seaport-CSS)	C/CPFF	WYLE LAB : Pax River, MD	0.950	0.701	Dec 2013	0.508	Dec 2014	0.508	Dec 2015	-		0.508	Continuing	Continuing	Continuing
Program Management Support	Various	NAWCAD : Pax River, MD	0.406	0.838	Dec 2013	0.838	Dec 2014	0.675	Dec 2015	-		0.675	Continuing	Continuing	Continuing
Program Management Support	C/CPFF	Engility : Pax River, MD	0.261	-		-		-		-		-	-	0.261	0.261
Subtotal			3.021	2.816		2.573		2.410		-		2.410	-	-	-
			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			118.040	21.184		13.853		19.685		-		19.685	-	-	-
Remarks															

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Exhibit R-4, RDT&E Schedule Profile: PB 2016 Navy												Date: February 2015																	
Appropriation/Budget Activity 1319 / 7												R-1 Program Element (Number/Name) PE 0702207N / Depot Maintenance (NON-IF)								Project (Number/Name) 3030 / FA-18 SLAP									
Service Life Assessment Program F/A-18		FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020			
		1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q
Structures		2.0 Structures Phase B2																											
		2.0 Structures Phase B3																											
						2.0 Structures Phase B4																							
						3.0 Structures Phase C																							
Subsystems		6.0 Subsystems Phase C																											

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<b>Exhibit R-4A, RDT&amp;E Schedule Details:</b> PB 2016 Navy			<b>Date:</b> February 2015
<b>Appropriation/Budget Activity</b> 1319 / 7	<b>R-1 Program Element (Number/Name)</b> PE 0702207N / <i>Depot Maintenance (NON-IF)</i>	<b>Project (Number/Name)</b> 3030 / <i>FA-18 SLAP</i>	

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<b><i>Service Life Assessment Program F/A-18</i></b>				
Structures: 2.0 Structures Phase B2	1	2014	1	2014
Structures: 2.0 Structures Phase B3	1	2014	4	2015
Structures: 2.0 Structures Phase B4	3	2015	4	2019
Structures: 3.0 Structures Phase C	2	2015	4	2020
Subsystems: 6.0 Subsystems Phase C	1	2014	4	2020



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Exhibit R-2A, RDT&E Project Justification: PB 2016 Navy										Date: February 2015		
Appropriation/Budget Activity 1319 / 7					R-1 Program Element (Number/Name) PE 0702207N / Depot Maintenance (NON-IF)				Project (Number/Name) 3182 / T-45 SLAP			
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
3182: T-45 SLAP	10.011	4.446	7.315	4.500	-	4.500	-	-	-	-	-	26.272
Quantity of RDT&E Articles		-	-	-	-	-	-	-	-	-		

**A. Mission Description and Budget Item Justification**

3182: The T-45 aircraft structure is currently fatigue limited to 14,400 flight hours based on initial full-scale fatigue tests conducted from 1992-1996. This service life limit prevents the T-45 fleet from meeting Integrated Production Plan (IPP), previously Pilot Training Requirements, past 2025. Recent studies have determined that the fleet squadrons have not been flying the T-45 aircraft as aggressively as the initial fatigue studies predicted. These studies demonstrate that the 14,400 flight hour service life can likely be extended, with a Service Life Extension Program (SLEP), to 21,600 flight hours, which will support meeting IPP until 2035. A T-45 Structural Service Life Assessment Program (SLAP) was completed in February 2012. The results are being used to provide guidance on what structural areas to SLEP. In order for the T-45 to meet IPP until 2035, it is also necessary to assess the sub-systems of the T-45 in their ability to remain viable. Beginning in FY13, the T-45 sub-systems SLAP effort will assess the sub-system condition of the T-45 fleet in order to determine sub-system modifications and/or redesign necessary to extend the aircraft designed service life to support IPP and Naval Flight Officer Training Requirements (NTR) until 2035. This sub-system assessment will be based on the updated fleet aircraft usage spectrum and future predicted training missions of the T-45 aircraft. The assessment will address all critical sub-systems required and their ability to maintain IPP/NTR until 2035, analysis and studies will be conducted to outline improvements, assess manufacturing capabilities, prototype redesign and test of sub-systems for trainer aircraft. The original funding within the T-45 SLAP budget programmed for T-45 tail hook has been absorbed into the overarching SLAP effort due to the success of T-45 additional tail hook life extension efforts.

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

	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016 Base</b>	<b>FY 2016 OCO</b>	<b>FY 2016 Total</b>
<b>Title:</b> T-45 SLAP	4.446	7.315	4.500	-	4.500
<b>Articles:</b>	-	-	-	-	-
<b>Description:</b> Funding supports conducting a Subsystem SLAP to determine modifications necessary to extend service life through 2035.					
<b>FY 2014 Accomplishments:</b> Continue Subsystem SLAP activities and engineering studies with the expectation of extending the T-45 service life to 2035.					
<b>FY 2015 Plans:</b> Continue Subsystem SLAP activities and engineering studies with the expectation of extending the T-45 service life to 2035.					
<b>FY 2016 Base Plans:</b>					

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2016 Navy				<b>Date:</b> February 2015							
<b>Appropriation/Budget Activity</b> 1319 / 7		<b>R-1 Program Element (Number/Name)</b> PE 0702207N / Depot Maintenance (NON-IF)		<b>Project (Number/Name)</b> 3182 / T-45 SLAP							
<b>B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)</b>											
	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016 Base</b>	<b>FY 2016 OCO</b>	<b>FY 2016 Total</b>						
Complete the Subsystem Service Life Assessment Program activities and engineering studies with the expectation of extending the T-45 service life to 2035.											
<b>FY 2016 OCO Plans:</b> N/A											
<b>Accomplishments/Planned Programs Subtotals</b>	4.446	7.315	4.500	-	4.500						
<b>C. Other Program Funding Summary (\$ in Millions)</b>											
<b>Line Item</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016 Base</b>	<b>FY 2016 OCO</b>	<b>FY 2016 Total</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>	<b>Cost To Complete</b>	<b>Total Cost</b>
• APN/05690: T-45 Series OSIP 008-95/022-14	18.709	26.249	30.606	-	30.606	27.930	42.358	38.560	53.411	358.139	817.016
<b>Remarks</b>											
Prior years were budgeted under OSIP 008-95. Fiscal years 2014 and out are funded under OSIP 022-14											
<b>D. Acquisition Strategy</b>											
The Subsystem SLAP is a sole source contract effort with Boeing, the aircraft prime contractor. SLAP consists of an analysis of the aircraft subsystems (e.g., Global Positioning System Inertial Navigation Assembly or Mission Data Processor). The analysis will facilitate the future development of subsystem modifications and/or redesigns necessary to extend their life until 2035. The original funding within the T-45 SLAP budget programmed for T-45 tail hook has been absorbed into the overarching SLAP effort due to the alternate path success of T-45 tail hook life extension efforts.											
<b>E. Performance Metrics</b>											
SLAP provides an assessment of aircraft component life as affected by flight maneuver, catapults, arrestments, landings, and obsolescence based on actual usage and identifies the efforts required to extend the aircraft life to SLAP goals (2035). Effort delineates tasking incrementally to include; Tools and modeling necessary to assess usage and life are developed, specific designs which do not meet SLAP goals are identified and analyzed. Retrofit concepts and redesigns for problem areas are developed, followed by the Service Life Extension Program during which the actual retrofits are undertaken.											

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2016 Navy												Date: February 2015			
Appropriation/Budget Activity 1319 / 7						R-1 Program Element (Number/Name) PE 0702207N / Depot Maintenance (NON-IF)				Project (Number/Name) 3182 / T-45 SLAP					
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
Prod Dev SLAP T-45A/C	SS/CPFF	Boeing : St. Louis, MO	4.000	2.929	Jan 2014	3.601	Jan 2015	3.500	Nov 2015	-		3.500	-	14.030	14.650
Subtotal			4.000	2.929		3.601		3.500		-		3.500	-	14.030	14.650
Remarks															
The original funding within the T-45 SLAP budget programmed for T-45 tail hook has been absorbed into the overarching SLAP effort.															
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
Engineering Technical Support	WR	NAWCAD : Patuxent River, MD	2.611	0.405	Jan 2014	2.854	Jan 2015	0.500	Nov 2015	-		0.500	-	6.370	-
Engineering Technical Support	WR	NADEP : Jacksonville, FL	1.700	0.220	Jan 2014	0.220	Jan 2015	0.180	Nov 2015	-		0.180	-	2.320	-
Engineering Technical Support	WR	NAWCAD : Various	0.681	0.280	Jan 2014	0.180	Jan 2015	0.180	Nov 2015	-		0.180	-	1.321	-
SLAP Engineering Study	SS/BOA	JHU/APL : Laurel, MD	0.839	0.450	Jan 2014	0.331	Jan 2015	0.120	Nov 2015	-		0.120	-	1.740	1.740
Subtotal			5.831	1.355		3.585		0.980		-		0.980	-	11.751	-
Remarks															
400K in FY-15 moved from JHU/APL to NADEP/NAWCAD to align organic resources in support of Sub-systems SLAP execution.															
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
Travel	Various	NAVAIR : Patuxent River, MD	0.180	0.162	Oct 2013	0.129	Oct 2014	0.020	Oct 2015	-		0.020	-	0.491	-
Subtotal			0.180	0.162		0.129		0.020		-		0.020	-	0.491	-

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<b>Exhibit R-3, RDT&amp;E Project Cost Analysis:</b> PB 2016 Navy										<b>Date:</b> February 2015			
<b>Appropriation/Budget Activity</b> 1319 / 7					<b>R-1 Program Element (Number/Name)</b> PE 0702207N / Depot Maintenance (NON-IF)					<b>Project (Number/Name)</b> 3182 / T-45 SLAP			
	<b>Prior Years</b>	<b>FY 2014</b>		<b>FY 2015</b>		<b>FY 2016 Base</b>		<b>FY 2016 OCO</b>		<b>FY 2016 Total</b>	<b>Cost To Complete</b>	<b>Total Cost</b>	<b>Target Value of Contract</b>
<b>Project Cost Totals</b>	10.011	4.446		7.315		4.500		-		4.500	-	26.272	-
<b>Remarks</b>													

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**Appropriation/Budget Activity**  
1319 / 7

**R-1 Program Element (Number/Name)**  
PE 0702207N / Depot Maintenance (NON-IF)

R-1 Line #229

[illegible]

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<b>Exhibit R-4A, RDT&amp;E Schedule Details:</b> PB 2016 Navy		<b>Date:</b> February 2015
<b>Appropriation/Budget Activity</b> 1319 / 7	<b>R-1 Program Element (Number/Name)</b> PE 0702207N / <i>Depot Maintenance (NON-IF)</i>	<b>Project (Number/Name)</b> 3182 / <i>T-45 SLAP</i>

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<b><i>T-45 SLAP</i></b>				
Product Development: SLAP T-45C	1	2014	2	2016