

**UNCLASSIFIED**

**Exhibit R-2, RDT&E Budget Item Justification: PB 2017 Navy** **Date:** February 2016

<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 0204229N / <i>Tomahawk Mssn Planning Ctr</i>
---	---

COST (\$ in Millions)	Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total	FY 2018	FY 2019	FY 2020	FY 2021	Cost To Complete	Total Cost
Total Program Element	3,115.190	25.543	25.227	71.355	-	71.355	63.035	119.001	166.912	69.258	Continuing	Continuing
0545: <i>TOMAHAWK</i>	3,115.190	23.831	25.227	71.355	-	71.355	63.035	119.001	166.912	69.258	Continuing	Continuing
3378: <i>Next Generation Land Attack Weapon (NGLAW)</i>	0.000	1.712	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000	0.000	1.712

**Note**

Funding for the Next Generation Land Attack Weapon has moved from Program Element 0204229N (Tomahawk Mission Planning Center) to 0604659N (Precision Strike Weapons Development Program) under the same Project Unit of 3378 effective FY 2016.

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

Funds support development of the Tomahawk Weapon System (TWS) encompassing Tomahawk Land-Attack Missile (TLAM) upgrades, initiation of baseline improvements into the Block IV weapon system, Tactical Tomahawk Weapons Controls System (TTWCS), Tomahawk Mission Planning Center (TMPC) upgrades and other missile system improvements to maintain pace with threats. The TWS provides a Tomahawk cruise missile attack capability against fixed and mobile targets. Tomahawk is capable of being deployed from both submarines and surface ships. Launched from mobile, sea-based platforms, the land attack variant significantly increases the total capability of joint forces. This Program Element also includes initial funding for the NGLAW Capabilities Based Assessment(CBA) and Analysis of Alternatives (AoA) preparations.

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 (FRP) and anticipate funding in the current or subsequent fiscal year.

<b>B. Program Change Summary (\$ in Millions)</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017 Base</b>	<b>FY 2017 OCO</b>	<b>FY 2017 Total</b>
Previous President's Budget	26.145	25.228	40.764	-	40.764
Current President's Budget	25.543	25.227	71.355	-	71.355
Total Adjustments	-0.602	-0.001	30.591	-	30.591
• Congressional General Reductions	-	-0.001			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-0.602	0.000			
• Program Adjustments	0.000	0.000	1.942	-	1.942
• Rate/Misc Adjustments	0.000	0.000	28.649	-	28.649

UNCLASSIFIED

<b>Exhibit R-2, RDT&amp;E Budget Item Justification:</b> PB 2017 Navy		<b>Date:</b> February 2016
<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 0204229N / <i>Tomahawk Mssn Planning Ctr</i>	
<b><u>Change Summary Explanation</u></b> Decrease in Tomahawk Mission Planning Center by \$1.49M as required for the Department of the Navy to comply with the Bipartisan Budget Act of 2015.  Technical: FY17 increase in funding will be used to continue Anti-Access/Area Denial (A2AD) navigation improvements and A2AD communication upgrade baseline improvements as well as incorporate an all-weather seeker into the Block IV Tomahawk Weapon System as part of the recertification of the Tactical Tomahawk (TACTOM).  Schedule:  PU-0545 A2AD OTRR moved from 4Q FY18 to 4Q FY19 due to further requirements definition of the Tomahawk Weapon System (TWS) as a part of the System Engineering Technical Review (SETR) process and refinement of the Modernization Integrated Master Schedule (IMS).  PU-0545 Added A2AD Interim Program Review 1 (IPR1) to 3Q FY16, A2AD IPR2 to 3Q FY17, A2AD IPR3 to 3Q FY18 as a part of the System Engineering Technical Review (SETR) process and refinement of the Modernization Integrated Master Schedule (IMS).  PU-0545 Added A2AD MOD Blk IV Fleet Release to 4Q FY20  PU-0545 Added TMPC 5.0.2 to 4Q FY17 to reflect Geospatial-Intelligence Agency (NGA) imagery format changes.  PU-0545 Added Seeker TTWCS Development to schedule 1Q FY17 through 4Q FY18 due to the requirement to incorporate an all weather multi-mode seeker into the Block IV Tomahawk weapon system to be incorporated as part of the recertification of the Tactical Tomahawk (TACTOM).  PU-0545 Added Seeker TMPC Development to schedule 1Q FY17 through 4Q FY18 due to the requirement to incorporate an all weather multi-mode seeker into the Block IV Tomahawk weapon system to be incorporated as part of the recertification of the Tactical Tomahawk (TACTOM).  PU-0545 Added Seeker AUR Development to schedule 2Q FY17 through 1Q FY20 due to the requirement to incorporate an all weather multi-mode seeker into the Block IV Tomahawk weapon system to be incorporated as part of the recertification of the Tactical Tomahawk (TACTOM).  PU-0545 Added Seeker HWIL/LAB/Integration Testing to schedule 2Q FY17 through 4Q FY20 due to the requirement to incorporate an all weather multi-mode seeker into the Block IV Tomahawk weapon system to be incorporated as part of the recertification of the Tactical Tomahawk (TACTOM).  PU-0545 Added Seeker System Test to schedule 2Q FY20 through 4Q FY21 due to the requirement to incorporate an all weather multi-mode seeker into the Block IV Tomahawk weapon system to be incorporated as part of the recertification of the Tactical Tomahawk (TACTOM).		

**UNCLASSIFIED**

<b>Exhibit R-2, RDT&amp;E Budget Item Justification:</b> PB 2017 Navy		<b>Date:</b> February 2016
<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 0204229N / <i>Tomahawk Mssn Planning Ctr</i>	
<p>PU-0545 A2AD NAV moved from 1Q FY2015-4Q FY15 to 1Q FY15 to 4Q FY17 as a part of the System Engineering Technical Review (SETR) process and refinement of the Modernization Integrated Master Schedule (IMS).</p> <p>PU-0545 A2AD (NAV/COMMS) ECPs moved from 1Q FY2015-4Q FY2017 to 1Q FY2015 - 2Q FY2019 as a part of the System Engineering Technical Review (SETR) process and refinement of the Modernization Integrated Master Schedule (IMS).</p> <p>PU-0545 A2AD SRR moved from 2Q FY15 to 3Q FY15 to reflect actual date of completion.</p> <p>PU 3378- Removed FY16-FY20 schedule due to Next Generation Land Attack Weapon moving from Program Element 0204229N (Tomahawk Mission Planning Center) to 0604659N (Precision Strike Weapons Development Program).</p> <p>PU 3378 - Changed AoA Preps to Initial Capabilities Document (ICD) Staffing to accurately reflect pre-AoA activities.</p>		

**UNCLASSIFIED**

**Exhibit R-2A, RDT&E Project Justification:** PB 2017 Navy **Date:** February 2016

<b>Appropriation/Budget Activity</b> 1319 / 7	<b>R-1 Program Element (Number/Name)</b> PE 0204229N / Tomahawk Mssn Planning Ctr	<b>Project (Number/Name)</b> 0545 / TOMAHAWK
--	--	---

COST (\$ in Millions)	Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total	FY 2018	FY 2019	FY 2020	FY 2021	Cost To Complete	Total Cost
0545: TOMAHAWK	3,115.190	23.831	25.227	71.355	-	71.355	63.035	119.001	166.912	69.258	Continuing	Continuing
Quantity of RDT&E Articles		-	-	-	-	-	-	-	-	-		

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

The Tomahawk Weapons System (TWS) provides a Tomahawk Land Attack Missile (TLAM) capability against fixed and mobile targets. This program ensures that the TWS exploits state-of-the-art technology to preserve the efficiency of this proven weapon system, and includes all missile development, mission planning system development, and submarine and surface ship weapons control system development.

The Tactical Tomahawk All-Up-Round (AUR) Block IV missile is a comprehensive spiral baseline upgrade to the TWS that provides the tactical commander a quick reaction response capability as well as improved flexibility, increased accuracy and higher lethality. A five-year multi-year (FY04-FY08) production contract was awarded in August 2004 for the production of up to 2200 Block IV Tomahawk missiles. The essential upgrades of the Block IV missile are: improved guidance, navigation, control and mission computer two-way satellite communications (SATCOM), and a lower production cost as compared to the Block III missile. Block IV provides a Ultra High Frequency SATCOM data link to enable the missile to receive in-flight mission modification messages, to transfer health and status messages and to broadcast Battle Damage Indication messages. Block IV also includes a high anti-jam Global Positioning System (GPS) receiver, navigation improvements and associated antenna systems. The Tomahawk program also includes development of continuing advances identified as spiral development under the Tomahawk Baseline IV Operational Requirements Document (ORD), to include development of the Joint Multiple Effects Warhead System/Joint Capability Technology Demonstration (JMEWS/JCTD).

The Theater Mission Planning Center (TMPC) consists of Commercial and Government Off-The-Shelf (COTS/GOTS) software and COTS hardware. TMPC provides targeting, mission planning, strike planning and execution, mission distribution, and operational employment capabilities for the Tomahawk Land Attack Missile (TLAM). Continuous TMPC software development decreases mission planning time and increases the quality and accuracy of each mission while reducing complexity. TMPC provides mission planning at the theater and operational levels and is designed for high rate mission planning production responsive to national strategic, operational, and tactical requirements. TMPC develops and distributes missions for the Tomahawk Missile; provides command information services for TWS; provides strike planning, execution, coordination, control and reporting, and provides Maritime Component Commanders (MCC) the capability to plan or modify conventional Tomahawk Land-Attack Missile (TLAM) missions. TMPC has evolved into scalable configurations deployed in four configurations at 180 sites: Cruise Missile Support Activities (CMSAs) (3+1 FMS), Tomahawk Strike Mission Planning Cells (TSMPCs) (3 - C5F, C6F, C7F), Carrier Strike Groups (CSGs) (16 - 10 CVN), Firing Units (FRUs) (84 Surface/56 Submarines), Fleet Training Sites and Labs (17). TMPC employment is major combat operations and Overseas Contingency Operations. TMPC was previously referred to as "The Tomahawk Command and Control System (TC2S)".

The TTWCS provides launch capability for surface and submarine platforms. Development of the TTWCS provides a common architecture to launch the TACTOM and all variants in inventory. Development of upgrades to the TTWCS is required to meet the Department of Defense Information Technology Standards Registry, to meet FORCEnet compliance and be Internet Protocol Version 6 ready in order to remain interoperable within the Joint Service Architecture and to retain weapons system viability and usability for our Sailors. These efforts provide battle-group tactical flexibility and responsiveness while maximizing TWS wartime capability.

**UNCLASSIFIED**

<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2017 Navy		<b>Date:</b> February 2016
<b>Appropriation/Budget Activity</b> 1319 / 7	<b>R-1 Program Element (Number/Name)</b> PE 0204229N / <i>Tomahawk Mssn Planning Ctr</i>	<b>Project (Number/Name)</b> 0545 / TOMAHAWK

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

	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017 Base</b>	<b>FY 2017 OCO</b>	<b>FY 2017 Total</b>
<p><b>Title:</b> Tactical Tomahawk All-Up-Round (AUR) and Tactical Tomahawk Weapons Control System (TTWCS)</p> <p align="right"><b>Articles:</b></p> <p><b>Description:</b> Continue Anti-Access/Area Denial (A2AD) navigation and communication integration into Block IV weapons system. Continue fleet experimentation and requirements coordination as well as Concept of Operations (CONOPS)/ Concept of Employment development. Incorporate an all-weather seeker into the Block IV Tomahawk weapon system to be incorporated as part of the recertification of the Tactical Tomahawk (TACTOM). Continuation of the cooperatively funded United States Navy/United Kingdom Joint Multi-Effects Warhead System (JMEWS) / Joint Capability Technology Demonstration (JCTD). Include significant research and analysis of the worldwide target set capability gaps to include Hard and Buried Targets and Prompt Global Strike targets, for which JMEWS is a potential solution. In addition, NAWCAD also provides engine power data/ analysis in order to determine reserve power available to power potential upgrades to the Tomahawk AUR, such as JMEWS.</p> <p><b>FY 2015 Accomplishments:</b> Continue A2AD navigation and communications transition and engineering change proposals to include software development, systems engineering, system testing, and transition documentation. Continuation of JMEWS transition, integration, and demonstration efforts. Target assessments, engine performance analysis, campaign planning and mission analysis for potential Tactical Tomahawk upgrades or new applicable weapons. Non-recurring engineering, systems and software development, integration and testing of capability upgrades to address emergent threats, UONS, fleet gaps, and the Tomahawk ORD.</p> <p><b>FY 2016 Plans:</b> Continuation of A2AD navigation and communications transition and engineering change proposals to include software development, hardware development, systems engineering, integration, system testing and transition documentation. Hardware development will include development and testing of either multiple or multi-band antennas, and continued development and testing of an integrated single box solution radio. Software development will include continued development and testing of Operationally Embedded Software for incorporation into the missile, as well as development of TTWCS for qualification testing. Update Tomahawk test and evaluation master plan. Continue JMEWS transition, integration, demonstration, and test efforts. Perform target and lethality assessments, engine</p>	14.741	21.682	58.128	0.000	58.128
	-	-	-	-	-

**UNCLASSIFIED**

<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2017 Navy		<b>Date:</b> February 2016
<b>Appropriation/Budget Activity</b> 1319 / 7	<b>R-1 Program Element (Number/Name)</b> PE 0204229N / <i>Tomahawk Mssn Planning Ctr</i>	<b>Project (Number/Name)</b> 0545 / TOMAHAWK

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

	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017 Base</b>	<b>FY 2017 OCO</b>	<b>FY 2017 Total</b>
<p>performance analysis to include high-speed engine feasibility studies and SBIRs, data-fusion studies, campaign planning and mission analysis for potential TACTOM upgrades or new applicable weapons. Continue participation in fleet experimentation and kill chain analysis. Perform Non-Recurring Engineering activities, systems and software development, integration and testing of capability upgrades to address emergent threats, UONS, fleet gaps, and the Tomahawk ORD as directed. Conduct activities ISO Speed to Fleet (S2F) Initiative for Synthetic Guidance IAW program plan. Effort includes Fleet coordination, development of Tactics, Techniques, and Procedures (TTPs), development of Concept of Operations/Concept of Employment (CONOPS/CONEMP), test support and conduct, and development and delivery of Joint Network-Enabled Weapons - Mission Management Capability (JNEW-MMC) terminals to potentially provide an early operational capability to the Fleet."</p> <p><b>FY 2017 Base Plans:</b> Continuation of A2AD navigation and communications transition and engineering change proposals to include software and hardware final development, testing and deliveries of test equipment to supporting weapons control system laboratories; systems engineering reviews; integration, system testing and transition documentation. Hardware development will include development and testing of either multiple or multi-band antennas, testing of an integrated single box solution radio, and initial testing at missile segment level, integration and check out of test and support equipment at supporting labs, and identification/preliminary coordination of the test ship for TTWCS integration and testing. Software development will include continued development and testing of Operationally Embedded Software for incorporation into the missile, as well as development of TTWCS for qualification testing. Update Tomahawk test and evaluation master plan.</p> <p>Commence activities in support of Enhanced Tactical Tomahawk. Effort includes development of system requirements, specifications, and interfaces; competitive prototyping of seeker suites by multiple contractors with support from the Prime; TTWCS, TMPC, and Missile software development; and lab and component-level testing. Additionally, coordinate with Fleet stakeholders to develop TTPs and CONEMPs/CONOPs, coordinate with Integrated Warfare Capability teams to develop ICTBs and assess kill-chains, and draft and submit a CDD Change Letter.</p> <p>Continue JMEWS transition, integration, demonstration, and test efforts. Perform target and lethality assessments, engine performance analysis to include high-speed engine feasibility studies and SBIRs, data-fusion studies, campaign planning and mission analysis for potential TACTOM upgrades or new applicable weapons. Continue participation in fleet experimentation and kill chain analysis. Perform Non-Recurring</p>					

**UNCLASSIFIED**

<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2017 Navy		<b>Date:</b> February 2016
<b>Appropriation/Budget Activity</b> 1319 / 7	<b>R-1 Program Element (Number/Name)</b> PE 0204229N / <i>Tomahawk Mssn Planning Ctr</i>	<b>Project (Number/Name)</b> 0545 / TOMAHAWK

<b>B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017 Base</b>	<b>FY 2017 OCO</b>	<b>FY 2017 Total</b>
<p>Engineering activities, systems and software development, integration and testing of capability upgrades to address emergent threats, UONS, fleet gaps, and the Tomahawk ORD as directed.</p> <p>Conduct activities ISO Speed to Fleet (S2F) Initiative for Synthetic Guidance IAW program plan. Effort includes Fleet coordination, development of Tactics, Techniques, and Procedures (TTPs), development of Concept of Operations/Concept of Employment (CONOPS/CONEMP), test support and conduct, and development and delivery of Joint Network-Enabled Weapons - Mission Management Capability (JNEW-MMC) terminals to potentially provide an early operational capability to the Fleet.</p> <p><b>FY 2017 OCO Plans:</b> N/A</p>					
<p><b>Title:</b> Theater Mission Planning Center (TMPC)</p> <p align="right"><b>Articles:</b></p> <p><b>Description:</b> Development and incorporation of new capabilities into the Theater Mission Planning Center (TMPC) necessary for the employment of the Tomahawk Weapon System (TWS).</p> <p><b>FY 2015 Accomplishments:</b> Continue TLAM navigation and accuracy and weapons delivery Circular Error Probable (CEP) studies and assessments necessary to ensure the TWS is properly employed; continue evaluation of TMPC design process to ensure Tactical Tomahawk missile performance characteristics are adequately modeled in TMPC. Continue evaluation of imagery formats resulting from NGA mandated architectural changes. Continue the development of navigation software improvements capability and software code completion associated with A2AD navigation and communications integration and mission planning timeline upgrades. The majority of the development will occur in FY15.</p> <p><b>FY 2016 Plans:</b> Continue TLAM navigation and accuracy and weapons delivery Circular Error Probable (CEP) studies and assessments necessary to ensure the TWS is properly employed; continued evaluation of TMPC design process to ensure Tactical Tomahawk missile performance characteristics are adequately modeled in TMPC. Continue evaluation of imagery formats resulting from NGA mandated architectural changes. Continue development of A2AD software for targeting and navigation improvements.</p> <p><b>FY 2017 Base Plans:</b></p>	9.090	3.545	13.227	0.000	13.227
	-	-	-	-	-

**UNCLASSIFIED**

<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2017 Navy		<b>Date:</b> February 2016
<b>Appropriation/Budget Activity</b> 1319 / 7	<b>R-1 Program Element (Number/Name)</b> PE 0204229N / <i>Tomahawk Mssn Planning Ctr</i>	<b>Project (Number/Name)</b> 0545 / TOMAHAWK

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

	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017 Base</b>	<b>FY 2017 OCO</b>	<b>FY 2017 Total</b>
Continue TLAM navigation and accuracy and weapons delivery CEP studies and assessments necessary to ensure the TWS is properly employed; continued evaluation of TMPC design process to ensure Tactical Tomahawk missile performance characteristics are adequately modeled in TMPC. Continue evaluation of imagery formats resulting from Nationally mandated architectural changes. Complete development, coding and initial system integration and testing of Timeline Improvements and A2AD software for TMPC 6.0. TMPC 6.0 includes A2AD navigation and communications improvements required to support the Tomahawk Weapons System (TWS) Modernization program. Initiate seeker integration into the TMPC mission planning environment in support of the Enhanced Tactical Tomahawk.					
<b>FY 2017 OCO Plans:</b> N/A					
<b>Accomplishments/Planned Programs Subtotals</b>	23.831	25.227	71.355	0.000	71.355

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

<u>Line Item</u>	<u>FY 2015</u>	<u>FY 2016</u>	<u>FY 2017 Base</u>	<u>FY 2017 OCO</u>	<u>FY 2017 Total</u>	<u>FY 2018</u>	<u>FY 2019</u>	<u>FY 2020</u>	<u>FY 2021</u>	<u>Cost To Complete</u>	<u>Total Cost</u>
• WPN/2101: <i>Tomahawk</i>	317.458	202.314	186.905	-	186.905	37.675	37.032	42.981	98.750	Continuing	Continuing
• OPN/5253: <i>Tomahawk Support Equipment</i>	60.062	71.245	71.046	-	71.046	72.855	72.318	72.477	73.972	Continuing	Continuing
• OPN/9020: <i>Initial and Vendor Direct Spares</i>	0.311	0.161	0.177	-	0.177	0.207	0.246	0.146	0.139	Continuing	Continuing

**Remarks**

**D. Acquisition Strategy**

The TACTOM Weapon System achieved IOC in May 2004. The acquisition strategy involves maintaining production through FY17 and entrance into recertification starting in FY19. Recertification of TACTOM missiles starting in FY19 provides modernization opportunities to improve weapon system performance. TMPC and TTWCS are in sustainment requiring periodic hardware and software updates to maintain compliance with IA standards and maintain system relevance against emerging threats. Sustainment of TMPC and TTWCS segments will rely on a blend of industry and government expertise through the remaining life of the program.

**E. Performance Metrics**

The Navy seeks to improve the Tomahawk cruise missile attack capability against land targets through research and development done predominantly through defense contractors and government field activities.

**UNCLASSIFIED**

<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2017 Navy		<b>Date:</b> February 2016
<b>Appropriation/Budget Activity</b> 1319 / 7	<b>R-1 Program Element (Number/Name)</b> PE 0204229N / <i>Tomahawk Mssn Planning Ctr</i>	<b>Project (Number/Name)</b> 0545 / <i>TOMAHAWK</i>
<p>Examples in the area of the All-Up-Round include development of candidate warheads and sensors that will enhance weapon ability to cover all assigned target types, provide a quick reaction response capability for the weapon system, and improved guidance, navigation, control, mission computer two-way satellite communications, and a high anti-jam GPS receiver all in line with state of the art technology.</p> <p>In the area of the weapons control system, research and development is performed to ensure viability and usability of the system into the future, providing necessary upgrades to meet the Department of Defense Information Technology standards registry to comply with FORCEnet requirements and be Internet Protocol Version 6 ready to remain interoperable within Joint Service Architecture, in order to provide battle-group tactical flexibility and responsiveness needed to enable full wartime capability.</p> <p>In the area of the TMPC, continue research and development in order to provide scalable configurations to deploy where and as needed to provide necessary command and control, development necessary to function with national and tactical imagery architectures, decrease mission planning time, and increase the quality and accuracy of each mission for the TWS.</p>		

**UNCLASSIFIED**

Exhibit R-3, RDT&E Project Cost Analysis: PB 2017 Navy												Date: February 2016			
Appropriation/Budget Activity				R-1 Program Element (Number/Name)					Project (Number/Name)						
1319 / 7				PE 0204229N / Tomahawk Mssn Planning Ctr					0545 / TOMAHAWK						
Product Development (\$ in Millions)				FY 2015		FY 2016		FY 2017 Base		FY 2017 OCO		FY 2017 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
Systems Engineering - Advanced Concepts A2AD Improvements (NAV/COMMS)	WR	NAWC-AD : Pax River, MD	0.240	0.069	Feb 2015	0.000		0.000		-		0.000	0.000	0.309	-
Systems Engineering - A2AD Improvements TDA (NAV/COMMS)	SS/CPFF	UARC APL : Laurel, MD	0.801	0.069	Feb 2015	0.000		0.000		-		0.000	0.000	0.870	0.873
Systems Engineering - A2AD Improvements Prime Integrator (NAV/COMMS)	SS/CPFF	Raytheon : Tucson, AZ	0.430	1.724	Feb 2015	8.084	Feb 2016	12.935	Feb 2017	-		12.935	10.731	33.904	30.987
Systems Engineering - TTWCS A2AD Improvements (NAV/COMMS)	WR	NSWC : Dahlgren, VA	0.939	0.532	Feb 2015	0.000		0.603	Feb 2017	-		0.603	Continuing	Continuing	Continuing
Systems Engineering - Hardware Development-A2AD Improvements (NAV/COMMS)	MIPR	NRO : Chantilly, VA	1.050	8.443	Feb 2015	12.076	Nov 2015	9.725	Nov 2016	-		9.725	5.474	36.768	35.517
Systems Engineering-TTWCS Software Support Activity(NAV/COMMS)	SS/CPFF	LMVF : Valley Forge, PA	0.000	0.400	Apr 2015	0.717	Apr 2016	2.276	Apr 2017	-		2.276	Continuing	Continuing	Continuing
Prior Year Prod Dev cost no longer funded in FYDP	Various	Various : Various	2,660.256	0.000		0.000		0.000		-		0.000	0.000	2,660.256	-
Enhanced Tactical Tomahawk Seeker - TMPC	SS/CPFF	CommGlobal : San Jose, CA	0.000	0.000		0.000		1.617	Dec 2016	-		1.617	0.000	1.617	-
Enhanced Tactical Tomahawk Seeker - TMPC	SS/CPFF	Tapestry : St. Louis, MO	0.000	0.000		0.000		0.622	Dec 2016	-		0.622	0.000	0.622	-
Enhanced Tactical Tomahawk Seeker - TMPC	SS/CPFF	BAE Systems : San Diego, CA	0.000	0.000		0.000		1.444	Dec 2016	-		1.444	0.000	1.444	-
Enhanced Tactical Tomahawk Seeker - TMPC	SS/CPFF	Leidos : California, MD	0.000	0.000		0.000		2.316	Dec 2016	-		2.316	0.000	2.316	-
Enhanced Tactical Tomahawk Seeker - TMPC	SS/CPFF	URAC APL : Laurel, MD	0.000	0.000		0.000		0.052	Dec 2016	-		0.052	0.000	0.052	-

**UNCLASSIFIED**

<b>Exhibit R-3, RDT&amp;E Project Cost Analysis: PB 2017 Navy</b>											<b>Date:</b> February 2016				
<b>Appropriation/Budget Activity</b> 1319 / 7						<b>R-1 Program Element (Number/Name)</b> PE 0204229N / Tomahawk Mssn Planning Ctr					<b>Project (Number/Name)</b> 0545 / TOMAHAWK				

<b>Product Development (\$ in Millions)</b>				<b>FY 2015</b>		<b>FY 2016</b>		<b>FY 2017 Base</b>		<b>FY 2017 OCO</b>		<b>FY 2017 Total</b>	<b>Cost To Complete</b>	<b>Total Cost</b>	<b>Target Value of Contract</b>
<b>Cost Category Item</b>	<b>Contract Method &amp; Type</b>	<b>Performing Activity &amp; Location</b>	<b>Prior Years</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>			
Enhanced Tactical Tomahawk Seeker - TMPC	WR	NAWC-AD : Pax River, MD	0.000	0.000		0.000		0.267	Nov 2016	-		0.267	0.000	0.267	-
Enhanced Tactical Tomahawk Seeker - TMPC	WR	NSWC-DD : Dahlgren, VA	0.000	0.000		0.000		0.172	Nov 2016	-		0.172	0.000	0.172	-
Enhanced Tactical Tomahawk Seeker	C/CPFF	Raytheon : Tucson, AZ	0.000	0.000		0.000		18.500	Dec 2016	-		18.500	0.000	18.500	-
Enhanced Tactical Tomahawk Seeker	SS/CPFF	UARC APL : Laurel, MD	0.000	0.000		0.000		0.500	Dec 2016	-		0.500	0.000	0.500	-
Enhanced Tactical Tomahawk Seeker	WR	NAWC-WC : China Lake, CA	0.000	0.000		0.000		0.500	Nov 2016	-		0.500	0.000	0.500	-
Enhanced Tactical Tomahawk Seeker	WR	NAWC-AD : Pax River, MD	0.000	0.000		0.000		0.500	Nov 2016	-		0.500	0.000	0.500	-
Enhanced Tactical Tomahawk Seeker	WR	NSWC-DD : Dahlgren, VA	0.000	0.000		0.000		6.510	Nov 2016	-		6.510	0.000	6.510	-
<b>Subtotal</b>			2,663.716	11.237		20.877		58.539		-		58.539	-	-	-

**Remarks**

Systems Engineering - A2AD Improvements Prime Integrator (NAV/COMMS)(Raytheon)- increase from FY16 to FY17 due to transition from antenna/harness development in FY16 to radio system integration in FY17 to the TACTOM AUR.

Systems Engineering- TTWCS Software Support Activity (NAV/COMMS) (LMVF)- increase from FY16 to FY17 due to transition between software coding/design and test phase in support of A2AD requirements.

Systems Engineering - Hardware Development (NRO)- A2AD Improvements (NAV/COMMS)NRO increase from FY16 to FY17 due to transition from sub-component development to full-up radio assembly and component level testing for compatibility with Tomahawk interfaces, Guidance Electronics Unit (GEU), and antenna.

Increase in FY17 for seeker due to requirement to incorporate an all-weather seeker into the Block IV Tomahawk Weapon System as part of the recertification of the Tactical Tomahawk (TACTOM).

**UNCLASSIFIED**

Exhibit R-3, RDT&E Project Cost Analysis: PB 2017 Navy												Date: February 2016			
Appropriation/Budget Activity				R-1 Program Element (Number/Name)					Project (Number/Name)						
1319 / 7				PE 0204229N / Tomahawk Mssn Planning Ctr					0545 / TOMAHAWK						
Support (\$ in Millions)				FY 2015		FY 2016		FY 2017 Base		FY 2017 OCO		FY 2017 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
A2AD Improvements (NAV/COMMS) - Mission Planning upgrade	SS/CPFF	ComGlobal : San Jose, CA	0.357	1.686	Feb 2015	0.000		1.453	Feb 2017	-		1.453	Continuing	Continuing	Continuing
A2AD Improvements (NAV/COMMS) - Mission Planning upgrade	SS/CPFF	Boeing : St. Louis, MO	0.907	1.913	Feb 2015	0.000		1.031	Feb 2017	-		1.031	Continuing	Continuing	Continuing
A2AD Improvements (NAV/COMMS) - Mission Planning upgrade	SS/CPFF	BAE Systems : San Diego, CA	1.269	1.581	Feb 2015	0.000		0.237	Feb 2017	-		0.237	Continuing	Continuing	Continuing
A2AD Improvements (NAV/COMMS) - Mission Planning upgrade	SS/CPFF	Leidos : California, MD	1.871	1.370	Feb 2015	1.319	Feb 2016	1.115	Feb 2017	-		1.115	Continuing	Continuing	Continuing
A2AD Improvements (NAV/COMMS) - Mission Planning upgrade	SS/CPFF	UARC APL : Laurel, MD	2.164	0.459	Feb 2015	0.000		0.237	Feb 2017	-		0.237	Continuing	Continuing	Continuing
TLAM MP Analysis - Mission Planning	SS/CPFF	UARC APL : Laurel, MD	0.300	0.000		0.845	Feb 2016	1.059	Feb 2017	-		1.059	Continuing	Continuing	Continuing
Imagery Format Analysis - Mission Planning	SS/CPFF	Navy Sys Mgt Act : Arlington, VA	2.775	1.391	Feb 2015	1.164	Feb 2016	1.424	Feb 2017	-		1.424	0.000	6.754	6.754
A2AD Improvements (NAV/COMMS) - Mission Planning upgrade	WR	NAWC-AD : Pax River, MD	0.329	0.690	Feb 2015	0.217	Feb 2016	0.181	Feb 2017	-		0.181	Continuing	Continuing	Continuing
Development Support - TTWCS AUR	WR	NSWC : Dahlgren, VA	2.857	1.210	Feb 2015	0.050	Feb 2016	0.505	Feb 2017	-		0.505	Continuing	Continuing	Continuing
Development Support - Logistics AUR	WR	NSWC : Pt. Hueneme, CA	0.000	0.444	Feb 2015	0.000		0.000		-		0.000	0.000	0.444	-
Development Support - CSS AUR	SS/CPFF	Leidos : Arlington, VA	0.716	0.599	Feb 2015	0.224	Dec 2015	0.000		-		0.000	0.000	1.539	1.483
Development Support - Advanced Concepts AUR	WR	NAWC-WD : China Lake, CA	79.239	1.196	Feb 2015	0.050	Dec 2015	1.507	Feb 2017	-		1.507	Continuing	Continuing	Continuing
Development Support - AUR Fleet Representative	SS/CPFF	UARC APL : Laurel, MD	0.114	0.032	Feb 2015	0.034	Feb 2016	0.300	Feb 2017	-		0.300	Continuing	Continuing	Continuing

**UNCLASSIFIED**

**Exhibit R-3, RDT&E Project Cost Analysis: PB 2017 Navy** **Date:** February 2016

<b>Appropriation/Budget Activity</b> 1319 / 7	<b>R-1 Program Element (Number/Name)</b> PE 0204229N / Tomahawk Mssn Planning Ctr	<b>Project (Number/Name)</b> 0545 / TOMAHAWK
--	--	---

<b>Support (\$ in Millions)</b>				FY 2015		FY 2016		FY 2017 Base		FY 2017 OCO		FY 2017 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
Development Support - Advanced Concepts AUR	WR	NAWC-AD : Pax River, MD	0.345	0.023	Feb 2015	0.000		0.097	Feb 2017	-		0.097	Continuing	Continuing	Continuing
Development Support - CSS AUR	SS/CPFF	Various : PMA 280 Follow on CSS	0.000	0.000		0.447	Mar 2016	0.670	Dec 2016	-		0.670	Continuing	Continuing	Continuing
Prior Year Support cost no longer funded in FYDP	Various	Various : Various	274.418	0.000		0.000		0.000		-		0.000	0.000	274.418	-
<b>Subtotal</b>			367.661	12.594		4.350		9.816		-		9.816	-	-	-

<b>Test and Evaluation (\$ in Millions)</b>				FY 2015		FY 2016		FY 2017 Base		FY 2017 OCO		FY 2017 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
Enhanced Tactical Tomahawk Seeker	C/CPFF	Raytheon : Tucson, AZ	0.000	0.000		0.000		2.000	Dec 2016	-		2.000	0.000	2.000	-
Enhanced Tactical Tomahawk Seeker	WR	NAWC-AD : China Lake, CA	0.000	0.000		0.000		0.500	Dec 2016	-		0.500	0.000	0.500	-
Enhanced Tactical Tomahawk Seeker	WR	NAWC-WD : Pax River, MD	0.000	0.000		0.000		0.500	Dec 2016	-		0.500	0.000	0.500	-
Prior Year T&E cost no longer funded in FYDP	Various	Various : Various	83.412	0.000		0.000		0.000		-		0.000	0.000	83.412	-
<b>Subtotal</b>			83.412	0.000		0.000		3.000		-		3.000	0.000	86.412	-

**Remarks**  
Increase in FY17 for seeker due to requirement to incorporate an all-weather seeker into the Block IV Tomahawk weapon system to be integrated as part of the recertification of the Tactical Tomahawk (TACTOM).

<b>Management Services (\$ in Millions)</b>				FY 2015		FY 2016		FY 2017 Base		FY 2017 OCO		FY 2017 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
Prior Year Mgmt cost no longer funded in FYDP	Various	Various : Various	0.401	0.000		0.000		0.000		-		0.000	0.000	0.401	-







**UNCLASSIFIED**

**Exhibit R-4A, RDT&E Schedule Details: PB 2017 Navy** **Date:** February 2016

<b>Appropriation/Budget Activity</b> 1319 / 7	<b>R-1 Program Element (Number/Name)</b> PE 0204229N / Tomahawk Mssn Planning Ctr	<b>Project (Number/Name)</b> 0545 / TOMAHAWK
--	--	---

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<b>Tomahawk Mission Planning Center</b>				
Acquisition Milestones: Milestones: TMPC 5.0.1 IOC	3	2015	3	2015
Acquisition Milestones: Milestones: TMPC 5.0.2 IOC	4	2017	4	2017
Acquisition Milestones: Milestones: TMPC 6.0 IOC	2	2020	2	2020
Systems Development: Software Development: A2AD Navigation	1	2015	4	2017
Systems Development: Software Development: A2AD Navigation/Communications ECPs	1	2015	4	2019
Systems Development: Software Development: Enhanced TACTOM - TTWCS Development	1	2017	4	2018
Systems Development: Software Development: Enhanced TACTOM - TMPC Development	1	2017	4	2018
Systems Development: Acquisition Reviews: A2AD - SRR	3	2015	3	2015
Systems Development: Acquisition Reviews: A2AD- SFR	3	2016	3	2016
Systems Development: Acquisition Reviews: A2AD - OTRR	4	2019	4	2019
Systems Development: Acquisition Reviews: A2AD - IPR1	3	2016	3	2016
Systems Development: Acquisition Reviews: A2AD - IPR2	3	2017	3	2017
Systems Development: Acquisition Reviews: A2AD Modernization Blk IV Fleet Release	4	2020	4	2020
Systems Development: Acquisition Reviews: A2AD - IPR3	3	2018	3	2018
Systems Development: Hardware Development: TT Preplanned Product Improvement (P3I)	1	2015	4	2021
Systems Development: Hardware Development: Enhanced TACTOM - AUR Development	2	2017	1	2020
Test and Evaluation: TTWCS V5.6 Modernized Missile DT/OT	1	2018	4	2020

**UNCLASSIFIED**

**Exhibit R-4A, RDT&E Schedule Details:** PB 2017 Navy **Date:** February 2016

<b>Appropriation/Budget Activity</b> 1319 / 7	<b>R-1 Program Element (Number/Name)</b> PE 0204229N / <i>Tomahawk Mssn Planning Ctr</i>	<b>Project (Number/Name)</b> 0545 / TOMAHAWK
--	---	---

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
Test and Evaluation: TMPC 5.0 Test	1	2015	2	2015
Test and Evaluation: Enhanced TACTOM - HWIL/LAB/Integration Testing	2	2017	4	2020
Test and Evaluation: Enhanced TACTOM - System Testing	1	2020	4	2021
Production Milestones: Contract Awards: ECP Kit Award	3	2018	3	2018
Production Milestones: TACTOM Baseline Improvement Deliveries: 1st Modernized Missile Delivery	2	2020	4	2020

**UNCLASSIFIED**

<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2017 Navy										<b>Date:</b> February 2016		
<b>Appropriation/Budget Activity</b> 1319 / 7					<b>R-1 Program Element (Number/Name)</b> PE 0204229N / Tomahawk Mssn Planning Ctr				<b>Project (Number/Name)</b> 3378 / Next Generation Land Attack Weapon (NGLAW)			
<b>COST (\$ in Millions)</b>	<b>Prior Years</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017 Base</b>	<b>FY 2017 OCO</b>	<b>FY 2017 Total</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>Cost To Complete</b>	<b>Total Cost</b>
3378: Next Generation Land Attack Weapon (NGLAW)	0.000	1.712	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000	0.000	1.712
Quantity of RDT&E Articles		-	-	-	-	-	-	-	-	-		

**Note**

Funding for the Next Generation Land Attack Weapon has moved from Program Element 0204229N (Tomahawk Mission Planning Center) to 0604659N (Precision Strike Weapons Development Program) under the same Project Unit of 3378 effective FY 2016.

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

Provides funding to support the Next Generation Strike Capability (NGSC) by funding Next Generation Land Attack Weapon (NGLAW); a surface/submarine fired survivable, long range, multi-mission, multi-platform conventional strike capability fielding in the 2028-2030 timeframe. The Next Generation Strike Capability (NGSC) strategy will address future threats in time to replace or update legacy weapons while bringing next generation technology to Department of the Navy (DoN) standoff conventional strike (Land Attack & ASuW). Within NGSC, NGLAW will be capable of attacking land and maritime, stationary and mobile targets while supporting two of the Navy's primary mission areas: 'Power Projection' (land attack from the sea/undersea) and 'Sea Control' against enemy surface action groups/combatants. To the maximum extent possible, NGSC will utilize common components and component technologies (e.g. navigation; communications; seeker; guidance and control) across the air-launched and sea-launched missile variants to reduce cost, shorten development timelines, and promote interoperability.

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

	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017 Base</b>	<b>FY 2017 OCO</b>	<b>FY 2017 Total</b>
<b>Title:</b> Next Generation Land Attack Weapon	1.712	0.000	0.000	0.000	0.000
<b>Articles:</b>	-	-	-	-	-
<b>FY 2015 Accomplishments:</b> Conducted pre-AoA activities primarily consisting of conducting and staffing a Capabilities-Based Assessment (CBA) and submitting an Initial Capabilities Document for routing through both the Navy and Department of Defense. CBA work included an assessment of gaps and projected threats in both the long-range land attack and anti-surface warfare areas, followed by a recommendation for both material and non-material solutions to meet those gaps and threats.					
<b>FY 2016 Plans:</b> N/A					
<b>FY 2017 Base Plans:</b>					

**UNCLASSIFIED**

<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2017 Navy		<b>Date:</b> February 2016
<b>Appropriation/Budget Activity</b> 1319 / 7	<b>R-1 Program Element (Number/Name)</b> PE 0204229N / <i>Tomahawk Mssn Planning Ctr</i>	<b>Project (Number/Name)</b> 3378 / <i>Next Generation Land Attack Weapon (NGLAW)</i>

<b>B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017 Base</b>	<b>FY 2017 OCO</b>	<b>FY 2017 Total</b>
N/A					
<b>FY 2017 OCO Plans:</b>					
N/A					
<b>Accomplishments/Planned Programs Subtotals</b>	1.712	0.000	0.000	0.000	0.000

<b>C. Other Program Funding Summary (\$ in Millions)</b>											
<u>Line Item</u>	<u>FY 2015</u>	<u>FY 2016</u>	<u>FY 2017 Base</u>	<u>FY 2017 OCO</u>	<u>FY 2017 Total</u>	<u>FY 2018</u>	<u>FY 2019</u>	<u>FY 2020</u>	<u>FY 2021</u>	<u>Cost To Complete</u>	<u>Total Cost</u>
• WPN/2101: <i>Tomahawk</i>	317.458	202.314	186.905	-	186.905	37.675	37.032	42.981	98.750	Continuing	Continuing
• OPN/5253: <i>Tomahawk Support Equipment</i>	60.062	71.245	71.046	-	71.046	72.855	72.318	72.477	73.972	Continuing	Continuing
• OPN/9020: <i>Initial and Vendor Direct Spares</i>	0.311	0.161	0.177	-	0.177	0.207	0.246	0.146	0.139	Continuing	Continuing

**Remarks**

**D. Acquisition Strategy**

Initiated AoA in FY15.

**E. Performance Metrics**

Obtained CBA and initiated ICD for NGLAW by the end of FY15.

**UNCLASSIFIED**

**Exhibit R-3, RDT&E Project Cost Analysis: PB 2017 Navy** **Date:** February 2016

<b>Appropriation/Budget Activity</b> 1319 / 7	<b>R-1 Program Element (Number/Name)</b> PE 0204229N / <i>Tomahawk Mssn Planning Ctr</i>	<b>Project (Number/Name)</b> 3378 / <i>Next Generation Land Attack Weapon (NGLAW)</i>
--	---	--

<b>Support (\$ in Millions)</b>				FY 2015		FY 2016		FY 2017 Base		FY 2017 OCO		FY 2017 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
Development Support	WR	NAWC-WD : China Lake, CA	0.000	0.623	Feb 2015	0.000		0.000		-		0.000	0.000	0.623	-
Development Support	WR	NAWC-AD : Pax River MD	0.000	0.750	Feb 2015	0.000		0.000		-		0.000	0.000	0.750	-
Development Support	SS/CPFF	UARC APL : Laurel, MD	0.000	0.339	Apr 2015	0.000		0.000		-		0.000	0.000	0.339	1.000
<b>Subtotal</b>			0.000	1.712		0.000		0.000		-		0.000	0.000	1.712	-

**Remarks**  
Decreases in FY15 due to internal realignment of funds from NGLAW to Tomahawk. No impact to the program, pre-AoA activities consisting of conducting and staffing a Capabilities-Based Assessment (CBA) and staffing the Initial Capabilities Document funded through the remainder of FY15.

	Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total	Cost To Complete	Total Cost	Target Value of Contract
<b>Project Cost Totals</b>	0.000	1.712	0.000	0.000	-	0.000	0.000	1.712	-

**Remarks**



**UNCLASSIFIED**

<b>Exhibit R-4A, RDT&amp;E Schedule Details:</b> PB 2017 Navy		<b>Date:</b> February 2016
<b>Appropriation/Budget Activity</b> 1319 / 7	<b>R-1 Program Element (Number/Name)</b> PE 0204229N / <i>Tomahawk Mssn Planning Ctr</i>	<b>Project (Number/Name)</b> 3378 / <i>Next Generation Land Attack Weapon (NGLAW)</i>

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<b><i>Next Generation Land Attack Weapon</i></b>				
Acquisition Milestones: Milestones: ICD Staffing	3	2015	4	2015
Acquisition Milestones: Milestones: Mission Technical Baseline/Capabilities Baseline Assessment	2	2015	4	2015
Acquisition Milestones: Milestones: Capabilities-Based Assessment	4	2015	4	2015

**UNCLASSIFIED**

**THIS PAGE INTENTIONALLY LEFT BLANK**

**UNCLASSIFIED**