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

Appropriation/Budget Activity 1319: <i>Research, Development, Test & Evaluation, Navy / BA 7: Operational Systems Development</i>	R-1 Program Element (Number/Name) PE 0305220N / (U)MQ-4C Triton
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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	2,500.285	419.242	227.118	111.729	-	111.729	9.021	2.061	0.000	0.000	0.000	3,269.456
4020: MQ-4C TRITON	2,500.285	419.242	227.118	111.729	-	111.729	9.021	2.061	0.000	0.000	0.000	3,269.456

Program MDAP/MAIS Code: 373

Note

MQ-4C Triton RDTE funding for modernization was segregated into a new program element (from PE 0305220N to PE 0305421N) in order to satisfy Congressional direction for increased transparency.

A. Mission Description and Budget Item Justification

MQ-4C Triton Unmanned Air System (UAS). The popular name Triton was approved for the MQ-4C UAS in June 2012, designating the RQ-4 Broad Area Maritime Surveillance (BAMS) UAS as the MQ-4C Triton.

The MQ-4C Triton is a high altitude-long endurance UAS designed to provide Fleet and combatant commanders with persistent maritime Intelligence, Surveillance and Reconnaissance (ISR) of nearly all the world's high-density sea-lanes, littorals, and areas of national interest. Teamed with its manned-capability counterpart, the P-8A, Triton will be a key component of the Navy's family of systems to achieve maritime domain awareness. MQ-4C Triton will seek to leverage Maritime Patrol and Reconnaissance Force manpower, training and maintenance efficiencies.

The MQ-4C Triton features sensors designed to provide near worldwide coverage through a network of five orbits inside and outside continental United States, with sufficient air vehicles to remain airborne for 24 hours a day, 7 days a week, out to ranges of 2000 nautical miles. Onboard sensors will provide detection, classification, tracking and identification of maritime targets and include maritime radar, electro-optical/infra-red and Electronic Support Measures systems. Additionally, the MQ-4C will have a communications relay capability designed to link dispersed forces in the theater of operations and serve as a node in the Navy's FORCEnet strategy. Tactical-level data analysis will occur in real-time at shore-based mission control sites connected to the air vehicle via satellite communications. Further intelligence exploitation can be conducted at Fleet shore-based sites or aboard aircraft carriers and other ships.

The MQ-4C Triton UAS will implement phased capability upgrades within the ongoing acquisition program to pace capability with rapidly evolving technologies and threats to ensure the Navy maintains persistent ISR dominance through the system's lifecycle, and to support the Intelligence, Surveillance, Reconnaissance and Targeting transition plan. System upgrades will include Multi-Intelligence capabilities, Counter Electronic Attack upgrades, a more robust electronic support capability and continue improvements to baseline mission system payloads.

MQ-4C will play a significant role in the Sea Shield and FORCEnet pillars of Sea Power 21. In its Sea Shield role, the system will rely on its key attribute of persistence to provide the supported combatant command or fleet commander with unparalleled situational awareness of the maritime battle space as it develops and sustains the common operational tactical picture. The system will also serve as a Fleet response plan enabler, while acting as a trip wire for intelligence preparation of the

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Appropriation/Budget Activity 1319: <i>Research, Development, Test & Evaluation, Navy I BA 7: Operational Systems Development</i>	R-1 Program Element (Number/Name) PE 0305220N I (U)MQ-4C Triton
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environment. Additionally, Triton UAS will be a FORCEnet enabler and relay platform, directly connected to both the Global Information Grid and the Distributed Common Ground System-Navy information backbone.

B. Program Change Summary (\$ in Millions)	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total
Previous President's Budget	451.442	227.188	5.208	-	5.208
Current President's Budget	419.242	227.118	111.729	-	111.729
Total Adjustments	-32.200	-0.070	106.521	-	106.521
• Congressional General Reductions	-	-0.070			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-32.200	0.000			
• SBIR/STTR Transfer	-	-			
• Program Adjustments	0.000	0.000	110.700	-	110.700
• Rate/Misc Adjustments	0.000	0.000	-4.179	-	-4.179

Change Summary Explanation

Decrease in MQ-4C by \$4.691M as required for the Department of the Navy to comply with the Bipartisan Budget Act of 2015.

FY 2017 increase primarily due to Air to Air Radar Subsystem development.

Technical: N/A

Schedule: Multi-INT Follow-on Operational Test and Evaluation scheduled for 3QFY20, Multi-INT IOC scheduled for 2QFY21, and Future Development scheduled 4QFY20 through FY21 have been added to the schedule.

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Exhibit R-2A, RDT&E Project Justification: PB 2017 Navy										Date: February 2016		
Appropriation/Budget Activity 1319 / 7					R-1 Program Element (Number/Name) PE 0305220N / (U)MQ-4C Triton				Project (Number/Name) 4020 / MQ-4C TRITON			
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
4020: MQ-4C TRITON	2,500.285	419.242	227.118	111.729	-	111.729	9.021	2.061	0.000	0.000	0.000	3,269.456
Quantity of RDT&E Articles		-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

MQ-4C Triton Unmanned Air System (UAS). The MQ-4C Triton is a high altitude-long endurance UAS designed to provide Fleet and combatant commanders with persistent maritime Intelligence, Surveillance and Reconnaissance (ISR) of nearly all the world's high-density sea-lanes, littorals, and areas of national interest. Teamed with its manned-capability counterpart, the P-8A, Triton will be a key component of the Navy's family of systems to achieve maritime domain awareness. MQ-4C Triton will seek to leverage Maritime Patrol and Reconnaissance Force manpower, training and maintenance efficiencies.

The MQ-4C Triton features sensors designed to provide near worldwide coverage through a network of five orbits inside and outside continental United States, with sufficient air vehicles to remain airborne for 24 hours a day, 7 days a week, out to ranges of 2000 nautical miles. Onboard sensors will provide detection, classification, tracking and identification of maritime targets and include maritime radar, electro-optical/infra-red and Electronic Support Measures systems. Additionally, the MQ-4C will have a communications relay capability designed to link dispersed forces in the theater of operations and serve as a node in the Navy's FORCEnet strategy. Tactical-level data analysis will occur in real-time at shore-based mission control sites connected to the air vehicle via satellite communications. Further intelligence exploitation can be conducted at Fleet shore-based sites or aboard aircraft carriers and other ships.

The MQ-4C Triton UAS will implement phased capability upgrades within the ongoing acquisition program to pace capability with rapidly evolving technologies and threats to ensure the Navy maintains persistent ISR dominance through the system's lifecycle, and to support the OPNAV N2/N6 Intelligence, Surveillance, Reconnaissance and Targeting transition plan. System upgrades will include Multi-Intelligence capabilities, Counter Electronic Attack upgrades, a more robust electronic support capability and continue improvements to baseline mission system payloads.

MQ-4C will play a significant role in the Sea Shield and FORCEnet pillars of Sea Power 21. In its Sea Shield role, the system will rely on its key attribute of persistence to provide the supported combatant command or fleet commander with unparalleled situational awareness of the maritime battle space as it develops and sustains the common operational tactical picture. The system will also serve as a Fleet response plan enabler, while acting as a trip wire for intelligence preparation of the environment. Additionally, Triton UAS will be a FORCEnet enabler and relay platform, directly connected to both the Global Information Grid and the Distributed Common Ground System-Navy information backbone.

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

	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total
Title: Product Development	367.881	185.594	82.657	0.000	82.657
Articles:	-	-	-	-	-

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Appropriation/Budget Activity 1319 / 7	R-1 Program Element (Number/Name) PE 0305220N / (U)MQ-4C Triton	Project (Number/Name) 4020 / MQ-4C TRITON
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B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total
<p>Description: Awarded contract in FY08 to initiate the MQ-4C Triton System Development and Demonstration phase effort. The Prime Contractor is responsible for overall system development and performance, as well as associated management, engineering and logistics activities.</p> <p>FY 2015 Accomplishments: Continue System Development and Demonstration (SDD) and build of two System Demonstration Test Article (SDTA) vehicles.</p> <p>FY 2016 Plans: Continue SDD and build of two SDTA vehicles. Funding decreases from FY15 to reflect a ramp down in baseline MQ-4C Triton SDD development efforts in accordance with the program schedule.</p> <p>FY 2017 Base Plans: Continue SDD and delivery of two SDTA vehicles. Funding decreases from FY16 to reflect a ramp down in baseline MQ-4C Triton SDD development efforts in accordance with the program schedule.</p> <p>FY 2017 OCO Plans: N/A</p>					
<p>Title: ILS, Support, Studies & Analysis</p> <p align="right">Articles:</p> <p>Description: Integrated Logistics Support, Studies and Analysis.</p> <p>FY 2015 Accomplishments: Continue integrated logistics support, technical engineering services, sensor risk reduction, logistics supportability analyses and environmental planning, modeling and simulation, development of manpower and basing assessments, and development of technical data to support fielding of the MQ-4C Triton Unmanned Air System (UAS) capabilities.</p> <p>FY 2016 Plans: Continue integrated logistics support, technical engineering services, sensor risk reduction, logistics supportability analyses and environmental planning, modeling and simulation, development of manpower and basing assessments, and development of technical data to support fielding of the MQ-4C Triton UAS capabilities.</p> <p>FY 2017 Base Plans:</p>	13.079	9.916	4.398	0.000	4.398
	-	-	-	-	-

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B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)						
		FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total
Continue integrated logistics support, technical engineering services, sensor risk reduction, logistics supportability analyses and environmental planning, modeling and simulation, development of manpower and basing assessments, and development of technical data to support fielding of the MQ-4C Triton UAS capabilities. FY 2017 OCO Plans: N/A						
Title: Test & Evaluation (T&E) Description: T&E efforts.		33.080	28.744	23.301	0.000	23.301
		Articles:	-	-	-	-
FY 2015 Accomplishments: Continue Developmental Testing (DT) and Operational Testing (OT) support activities to allow test and fielding of the MQ-4C Triton Unmanned Air System (UAS) in accordance with the program schedule. FY 2016 Plans: Continue DT and OT support activities to allow test and fielding of the MQ-4C Triton UAS in accordance with the program schedule. FY 2017 Base Plans: Continue DT and OT support activities to allow test and fielding of the MQ-4C Triton UAS in accordance with the program schedule. FY 2017 OCO Plans: N/A						
Title: Program Management (PM) Description: PM support and travel.		5.202	2.864	1.373	0.000	1.373
		Articles:	-	-	-	-
FY 2015 Accomplishments: Continue the following: PM support and travel, development of milestone and acquisition-related documentation, capability refinement and open systems architecture development, resource justification, affordability assessments and cost analyses, risk reduction and risk management, system integration and interoperability						

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

	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total
planning, technology maturity reviews, program protection planning, corrosion prevention planning, and joint and international cooperation efforts.					
FY 2016 Plans: Continue the following: PM support and travel, development of milestone and acquisition-related documentation, capability refinement and open systems architecture development, resource justification, affordability assessments and cost analyses, risk reduction and risk management, system integration and interoperability planning, technology maturity reviews, program protection planning, corrosion prevention planning, and joint and international cooperation efforts.					
FY 2017 Base Plans: Continue the following: PM support and travel, development of milestone and acquisition-related documentation, capability refinement and open systems architecture development, resource justification, affordability assessments and cost analyses, risk reduction and risk management, system integration and interoperability planning, technology maturity reviews, program protection planning, corrosion prevention planning, and joint and international cooperation efforts.					
FY 2017 OCO Plans: N/A					
Accomplishments/Planned Programs Subtotals	419.242	227.118	111.729	0.000	111.729

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>
• APN-4/044200: RQ-4 UAV (Triton UAV)	67.670	619.662	464.657	-	464.657	570.239	685.950	759.853	748.865	6,569.316	10,486.212
• MILCON/0212176N: Facilities New Footprint - Fleet Ops	0.000	8.296	30.475	-	30.475	0.000	0.000	0.000	0.000	0.000	88.385

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

Line Item	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
• APN-6/044200: RQ-4 UAV (Triton UAV)	0.000	103.954	114.529	-	114.529	101.659	8.566	9.345	0.000	78.847	416.900
• MILCON/0712876N: Facilities New Footprint - Main and Prod	0.000	40.641	0.000	-	0.000	0.000	27.686	0.000	0.000	0.000	68.327
• RDT&E/0305421N: (U)RQ-4 Modernization	30.000	129.892	181.266	-	181.266	166.651	85.234	43.601	44.538	0.000	681.182
• MILCON/0815976N: Facilities New Footprint - Training	0.000	0.000	41.380	-	41.380	0.000	0.000	0.000	0.000	0.000	41.380
• OMN/1D4D: Weapons Maintenance	0.000	0.000	0.000	-	0.000	29.667	32.365	34.809	35.522	Continuing	Continuing
• OMN/1A4N: Air Systems Support	0.000	0.000	0.000	-	0.000	0.496	0.495	0.495	0.496	Continuing	Continuing
• OMN/1A1A: Mission and Other Flight Operations	0.000	0.000	0.000	-	0.000	2.193	13.990	34.265	192.313	Continuing	Continuing
• MILCON/0805976N: Facilities Restoration and Mod-Training	0.000	2.974	0.000	-	0.000	0.000	0.000	0.000	0.000	0.000	2.974

Remarks

In order to reflect the correct funding profile, the APN-4 "Cost To Complete" should read \$6,595.833 for a total cost of \$10,512.729. The APN-6 "Cost To Complete" should read \$90.500 for a total of \$428.553.

D. Acquisition Strategy

The MQ-4C Triton acquisition approach encompasses delivery of detection, tracking, imaging and data dissemination capabilities at Initial Operational Capability (IOC) with activities to enhance sensor and system performance via phased capability upgrades for post IOC delivery as part of the Triton acquisition program. This approach of phased capability upgrades within the acquisition program enables MQ-4C to pace capability with rapidly evolving technologies and threats to ensure the Navy maintains persistent Intelligence, Surveillance and Reconnaissance dominance through the system's lifecycle.

The MQ-4C Triton program office is pursuing joint efficiency with the Air Force on the Global Hawk Unmanned Aircraft System (UAS). However, the integration of the Triton UAS into the Maritime Patrol Reconnaissance Force and the unique maritime sensors employed dictate a Navy-led acquisition program focused on joint efficiencies, where possible.

E. Performance Metrics

Successfully achieve Milestone C, Integrated Test, Operational Evaluation and IOC.

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

Appropriation/Budget Activity 1319 / 7	R-1 Program Element (Number/Name) PE 0305220N / (U)MQ-4C Triton	Project (Number/Name) 4020 / MQ-4C TRITON
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Product Development (\$ in Millions)				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			
Primary Hardware Development	C/CPIF	Northrop Grumman : Rancho Bernardo, CA	2,109.453	319.074	Nov 2014	152.066	Jan 2016	61.090	Nov 2016	-		61.090	0.000	2,641.683	2,641.683
Systems Engineering	Various	Various : Various	9.881	4.536	Nov 2014	2.375	Nov 2015	1.276	Nov 2016	-		1.276	0.000	18.068	-
Systems Engineering	WR	NAWC-AD : Patuxent River, MD	159.538	40.808	Nov 2014	28.323	Nov 2015	18.284	Nov 2016	-		18.284	2.150	249.103	-
Systems Engineering	WR	NAWC-WD : China Lake, CA	8.420	2.040	Nov 2014	1.393	Nov 2015	0.527	Nov 2016	-		0.527	0.000	12.380	-
Contractor Engineering	C/CPFF	Mitre : Mclean, VA	1.416	1.423	Nov 2014	1.437	Nov 2015	1.480	Nov 2016	-		1.480	0.000	5.756	5.756
Prior Year Prod Dev no longer in the FYDP	Various	Various : Various	24.553	0.000		0.000		0.000		-		0.000	0.000	24.553	-
Subtotal			2,313.261	367.881		185.594		82.657		-		82.657	2.150	2,951.543	-

Remarks
The Primary Hardware Development line resources Northrop Grumman for prime contractor activities, which include System Development and Demonstration (SDD) and System Demonstration Test Article (SDTA) vehicles.

Support (\$ in Millions)				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	Various	Various : Various	16.236	2.268	Nov 2014	1.590	Nov 2015	0.601	Nov 2016	-		0.601	0.000	20.695	-
Integrated Logistics Support	Various	Various : Various	6.224	1.619	Nov 2014	1.021	Nov 2015	0.413	Nov 2016	-		0.413	0.000	9.277	-
Integrated Logistics Support	WR	NAWC-AD : Patuxent River, MD	29.354	9.192	Nov 2014	7.305	Nov 2015	3.384	Nov 2016	-		3.384	1.182	50.417	-
Integrated Logistics Support	WR	NAWC-TSD : Orlando, FL	4.612	0.000		0.000		0.000		-		0.000	0.000	4.612	-
Prior year cost no longer funded in the FYDP	Various	Various : Various	10.784	0.000		0.000		0.000		-		0.000	0.000	10.784	-
Subtotal			67.210	13.079		9.916		4.398		-		4.398	1.182	95.785	-

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

Appropriation/Budget Activity 1319 / 7	R-1 Program Element (Number/Name) PE 0305220N / (U)MQ-4C Triton	Project (Number/Name) 4020 / MQ-4C TRITON
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Test and Evaluation (\$ in Millions)				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			
Developmental Test & Evaluation	Various	Various : Various	15.745	1.636	Nov 2014	0.668	Nov 2015	0.681	Nov 2016	-		0.681	0.000	18.730	-
Developmental Test & Evaluation	WR	NAWC-AD : Patuxent River, MD	67.696	27.189	Nov 2014	23.736	Nov 2015	18.238	Nov 2016	-		18.238	1.352	138.211	-
Operational Test & Evaluation	Various	Various : Various	0.646	1.655	Nov 2014	1.688	Nov 2015	3.382	Nov 2016	-		3.382	5.004	12.375	-
Developmental Test & Evaluation (SATCOMM)	MIPR	DITCO : Various	7.242	2.600	Nov 2014	2.652	Nov 2015	1.000	Nov 2016	-		1.000	0.605	14.099	-
Subtotal			91.329	33.080		28.744		23.301		-		23.301	6.961	183.415	-

Management Services (\$ in Millions)				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			
Program Management	Various	Various : Various	3.264	0.320	Nov 2014	0.163	Nov 2015	0.166	Nov 2016	-		0.166	0.058	3.971	-
Travel	Allot	Various : Various	1.382	0.146	Nov 2014	0.119	Nov 2015	0.107	Nov 2016	-		0.107	0.065	1.819	-
Program Management Support	C/CPFF	Ausley : Lexington Park, MD	18.831	4.736	Nov 2014	2.582	Nov 2015	1.100	Nov 2016	-		1.100	0.666	27.915	27.915
Prior year cost no longer funded in the FYDP	Various	Various : Various	5.008	0.000		0.000		0.000		-		0.000	0.000	5.008	5.008
Subtotal			28.485	5.202		2.864		1.373		-		1.373	0.789	38.713	-

	Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total	Cost To Complete	Total Cost	Target Value of Contract	
Project Cost Totals		2,500.285	419.242	227.118	111.729	-	111.729	11.082	3,269.456	-

Remarks
 Prior to FY10, MQ-4C Triton, formerly known as RQ-4 Broad Area Maritime Surveillance (BAMS), was budgeted for in PE 0305205N: Endurance Unmanned Aer Veh.

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

Appropriation/Budget Activity 1319 / 7	R-1 Program Element (Number/Name) PE 0305220N / (U)MQ-4C Triton	Project (Number/Name) 4020 / MQ-4C TRITON
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Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
Proj 4020				
Acquisition Milestones: Milestone C	2	2016	2	2016
Acquisition Milestones: Full Rate Production	2	2018	2	2018
Acquisition Milestones: Initial Operational Capability	3	2018	3	2018
Acquisition Milestones: Multi-INT Initial Operational Capability	2	2021	2	2021
System Development: System Development and Demonstration	1	2015	4	2021
System Development: Phased Capability Upgrades - Multi-INT	2	2015	3	2020
System Development: Future Development	4	2020	4	2021
Test & Evaluation Activities: Integrated Test (Combined/Developmental/Operational)	1	2015	4	2017
Test & Evaluation Activities: Follow-on Integrated Test	4	2018	2	2020
Test & Evaluation Activities: Multi-INT Follow-on Operational Test and Evaluation	3	2020	3	2020
Test & Evaluation Activities: Operational Test Readiness Review	1	2018	1	2018
Test & Evaluation Activities: OPEVAL	2	2018	3	2018
Production Milestones: Contracts: Low Rate Initial Production 1 Contract Award	2	2016	2	2016
Production Milestones: Contracts: Low Rate Initial Production 2 Contract Award	2	2017	2	2017
Production Milestones: Contracts: Full Rate Production Lot 3 Contract Award	2	2018	2	2018
Production Milestones: Contracts: Full Rate Production Lot 4 Contract Award	2	2019	2	2019
Production Milestones: Contracts: Full Rate Production Lot 5 Contract Award	2	2020	2	2020
Production Milestones: Contracts: Full Rate Production Lot 6 Contract Award	2	2021	2	2021
Production Milestones: Deliveries: System Demonstration Test Articles Delivery	1	2017	2	2017
Production Milestones: Deliveries: Low Rate Initial Production Lot 1 Delivery	2	2018	1	2019
Production Milestones: Deliveries: Low Rate Initial Production Lot 2 Delivery	2	2019	1	2020
Production Milestones: Deliveries: Full Rate Production Lot 3 Delivery	2	2020	1	2021

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Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
Production Milestones: Deliveries: Full Rate Production Lot 4 Delivery	2	2021	4	2021