Exhibit R-2, RDT&E Budget Item Justification: FY 2018 Navy											Date: May 2017	

Appropriation/Budget Activity
1319: *Research, Development, Test & Evaluation, Navy I* BA 7: *Operational Systems Development*

R-1 Program Element (Number/Name)
PE 0305220N *I (U)MQ-4C Triton*

COST ($ in Millions)	Prior Years	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total	FY 2019	FY 2020	FY 2021	FY 2022	Cost To Complete	Total Cost
Total Program Element	2,921.000	237.118	111.729	84.115	-	84.115	17.604	15.965	11.577	14.288	0.000	3,413.396
4020: *MQ-4C TRITON*	2,921.000	237.118	111.729	84.115	-	84.115	17.604	15.965	11.577	14.288	0.000	3,413.396

Program MDAP/MAIS Code:
Project MDAP/MAIS Code(s): 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.

In February 2017 an ATR added $116.7M FY16 RDTE,N to project 4020 MQ-4C Triton to fund Product Development and Test efforts. The reprogramming in not reflected in the budget values above. To reflect the correct funding profile, the CTC value should read 116.7 for a total cost of 3,534.527.

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.

Exhibit R-2, RDT&E Budget Item Justification: FY 2018 Navy		**Date:** May 2017
Appropriation/Budget Activity 1319: *Research, Development, Test & Evaluation, Navy I* BA 7: *Operational Systems Development*	**R-1 Program Element (Number/Name)** PE 0305220N *I (U)MQ-4C Triton*	

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. Program Change Summary ($ in Millions)	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total
Previous President's Budget	227.118	111.729	9.021	-	9.021
Current President's Budget	237.118	111.729	84.115	-	84.115
Total Adjustments	10.000	0.000	75.094	-	75.094
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	10.000	0.000			
• SBIR/STTR Transfer	-	-			
• Program Adjustments	0.000	0.000	74.800	-	74.800
• Rate/Misc Adjustments	0.000	0.000	0.294	-	0.294

Change Summary Explanation

The Triton program was revised to align key program events and funding ($74.8M) with the development of the Multi-INT capability upgrade in order to continue to support the Maritime Intelligence, Surveillance, Reconnaissance, and Targeting (MISR&T) Transition Plan. Key Performance Parameters and Key System Attributes were not affected and capabilities essential to FY11 National Defense Authorization Act compliance is prioritized. To preserve the MISR&T transition plan, the Navy is prioritizing remaining work and adjusting the Triton fielding plan by:

1) Truncating the Triton Baseline program to deliver a safe, stable, and effective system that establishes the foundation for Triton Multi-INT development; and provides an early operational capability to facilitate Fleet introduction and learning in FY18.

2) Retrofitting low-rate initial production (LRIP) lot 1 and 2 air vehicles (Baseline) to a Multi-INT configuration upon delivery. Retrofit of LRIP lot 1 and 2 increases Triton Multi-INT capacity from three to five air vehicles by the end of FY20.

3) Deploying a Triton Multi-INT early operational capability in FY20.

4) Deferring initial operational test and evaluation and initial operational capability to the Multi-INT configuration in FY20/21.

Exhibit R-2A, RDT&E Project Justification: FY 2018 Navy										Date: May 2017	
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 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total	FY 2019	FY 2020	FY 2021	FY 2022	Cost To Complete	Total Cost
4020: *MQ-4C TRITON*	2,921.000	237.118	111.729	84.115	-	84.115	17.604	15.965	11.577	14.288	0.000	3,413.396
Quantity of RDT&E Articles		-	-	-	-	-	-	-	-	-		

Project MDAP/MAIS Code: 373

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 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total
Title: Product Development	185.404	88.098	73.568	0.000	73.568
Articles:	-	-	-	-	-

Exhibit R-2A, RDT&E Project Justification: FY 2018 Navy		Date: May 2017
Appropriation/Budget Activity 1319 / 7	**R-1 Program Element (Number/Name)** PE 0305220N / (U)MQ-4C Triton	**Project (Number/Name)** 4020 / MQ-4C TRITON

B. Accomplishments/Planned Programs ($ in Millions, Article Quantities in Each)	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total
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. *FY 2016 Accomplishments:* Continue System Development and Demonstration (SDD) and build of two System Demonstration Test Article (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. *FY 2017 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. *FY 2018 Base Plans:* Continue SDD. Funding decreases from FY17 to reflect a ramp down in baseline MQ-4C Triton SDD development efforts in accordance with the program schedule. *FY 2018 OCO Plans:* N/A					
Title: ILS, Support, Studies & Analysis	16.982	0.725	0.325	0.000	0.325
Articles:	-	-	-	-	-
Description: Integrated Logistics Support, Studies and Analysis. *FY 2016 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. *FY 2017 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. *FY 2018 Base Plans:*					

Exhibit R-2A, **RDT&E Project Justification:** FY 2018 Navy		**Date:** May 2017
Appropriation/Budget Activity 1319 **/** 7	**R-1 Program Element (Number/Name)** PE 0305220N **/** (U)MQ-4C Triton	**Project (Number/Name)** 4020 **/** MQ-4C TRITON

B. Accomplishments/Planned Programs ($ in Millions, Article Quantities in Each)	**FY 2016**	**FY 2017**	**FY 2018 Base**	**FY 2018 OCO**	**FY 2018 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 2018 OCO Plans:*** N/A					
Title: Test & Evaluation (T&E) ***Articles:***	30.861 -	22.799 -	10.184 -	0.000 -	10.184 -
Description: T&E efforts. ***FY 2016 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 2017 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 2018 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 2018 OCO Plans:*** N/A					
Title: Program Management (PM) ***Articles:***	3.871 -	0.107 -	0.038 -	0.000 -	0.038 -
Description: PM support and travel. ***FY 2016 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 planning,					

Exhibit R-2A, **RDT&E Project Justification:** FY 2018 Navy		**Date:** May 2017
Appropriation/Budget Activity 1319 *I* 7	**R-1 Program Element (Number/Name)** PE 0305220N *I (U)MQ-4C Triton*	**Project (Number/Name)** 4020 *I MQ-4C TRITON*

B. Accomplishments/Planned Programs ($ in Millions, Article Quantities in Each)	**FY 2016**	**FY 2017**	**FY 2018 Base**	**FY 2018 OCO**	**FY 2018 Total**
technology maturity reviews, program protection planning, corrosion prevention planning, and joint and international cooperation efforts. *FY 2017 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 2018 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 2018 OCO Plans:* N/A					
Accomplishments/Planned Programs Subtotals	237.118	111.729	84.115	0.000	84.115

C. Other Program Funding Summary ($ in Millions)

Line Item	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total	FY 2019	FY 2020	FY 2021	FY 2022	Cost To Complete	Total Cost
• APN-4/044200: *MQ-4 Triton*	619.662	464.657	579.369	-	579.369	681.233	588.256	622.602	611.734	6,654.217	10,902.900
• MILCON/0212176N: *Facilities New Footprint - Fleet Ops*	8.296	30.475	0.000	-	0.000	0.000	0.000	0.000	0.000	0.000	88.385

Exhibit R-2A, RDT&E Project Justification: FY 2018 Navy									**Date:** May 2017	
Appropriation/Budget Activity 1319 / 7				**R-1 Program Element (Number/Name)** PE 0305220N / (U)MQ-4C Triton				**Project (Number/Name)** 4020 / MQ-4C TRITON		

C. Other Program Funding Summary ($ in Millions)

Line Item	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total	FY 2019	FY 2020	FY 2021	FY 2022	Cost To Complete	Total Cost
• APN-6/060500: *Spares and Repair Parts*	103.954	114.529	57.136	-	57.136	39.009	26.238	1.839	0.000	0.000	342.705
• MILCON/0712876N: *Facilities New Footprint - Main and Prod*	40.641	0.000	0.000	-	0.000	0.000	0.000	27.686	0.000	0.000	68.327
• RDT&E/0305421N: *(U)RQ-4 Modernization*	119.892	181.266	229.404	-	229.404	176.195	123.890	89.740	71.544	0.000	1,021.931
• MILCON/0815976N: *Facilities New Footprint - Training*	0.000	41.380	0.000	-	0.000	0.000	0.000	0.000	0.000	0.000	79.411
• MILCON/0805976N: *Facilities Restoration and Mod-Training*	2.974	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000	0.000	2.974
• APN-5/059600: *MQ-4 Series*	0.000	0.000	39.996	-	39.996	43.947	7.874	0.000	0.000	0.000	91.817
• OMN/1D4D: *Weapons Maintenance*	0.000	0.000	13.367	-	13.367	20.476	36.902	130.093	151.932	Continuing	Continuing

Remarks

D. Acquisition Strategy

The MQ-4C Triton acquisition approach supports the Navy's Maritime Intelligence, Surveillance, Reconnaissance, and Targeting (MISR&T) Transition Plan by providing a stable and effective baseline early operational capability in FY18 to facilitate Fleet introduction and learning while continuing System Development and Demonstration engineering and integrated test on Signals Intelligence (SIGINT) and other upgrades to deliver a Multi-INT configuration at Initial Operational Capability (IOC). Phased capability upgrades will continue post IOC to enable the MQ-4C Triton to keep pace with rapidly evolving technologies and threats, and address correction of deficiencies and obsolescence issues 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 achieved Milestone C, Integrated Test, Operational Evaluation and IOC.

Exhibit R-3, RDT&E Project Cost Analysis: FY 2018 Navy														Date: May 2017
Appropriation/Budget Activity 1319 / 7						**R-1 Program Element (Number/Name)** PE 0305220N / (U)MQ-4C Triton						**Project (Number/Name)** 4020 / MQ-4C TRITON		

Product Development ($ in Millions)				FY 2016		FY 2017		FY 2018 Base		FY 2018 OCO		FY 2018 Total		
Cost Category Item	**Contract Method & Type**	**Performing Activity & Location**	**Prior Years**	**Cost**	**Award Date**	**Cost**	**Award Date**	**Cost**	**Award Date**	**Cost**	**Award Date**	**Cost**	**Cost To Complete**	**Total Cost**	**Target Value of Contract**
Primary Hardware Development	C/CPIF	Northrop Grumman : Rancho Bernardo, CA	2,417.962	147.174	Jan 2016	83.788	Nov 2016	71.558	Nov 2017	-		71.558	47.166	2,767.648	2,767.648
Systems Engineering	Various	Various : Various	14.863	4.158	Nov 2015	0.010	Nov 2016	0.010	Nov 2017	-		0.010	0.000	19.041	-
Systems Engineering	WR	NAWC-AD : Patuxent River, MD	203.829	30.516	Nov 2015	4.300	Nov 2016	2.000	Nov 2017	-		2.000	4.000	244.645	-
Systems Engineering	WR	NAWC-WD : China Lake, CA	10.909	2.509	Nov 2015	0.000	Nov 2016	0.000	Nov 2017	-		0.000	0.000	13.418	-
Contractor Engineering	C/CPFF	Mitre : Mclean, VA	2.997	1.047	Nov 2015	0.000	Nov 2016	0.000		-		0.000	0.000	4.044	4.044
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	2,675.113	185.404		88.098		73.568		-		73.568	51.166	3,073.349	-

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 2016		FY 2017		FY 2018 Base		FY 2018 OCO		FY 2018 Total		
Cost Category Item	**Contract Method & Type**	**Performing Activity & Location**	**Prior Years**	**Cost**	**Award Date**	**Cost**	**Award Date**	**Cost**	**Award Date**	**Cost**	**Award Date**	**Cost**	**Cost To Complete**	**Total Cost**	**Target Value of Contract**
Development Support	Various	Various : Various	19.713	1.839	Nov 2015	0.000	Nov 2016	0.000	Nov 2017	-		0.000	0.000	21.552	-
Integrated Logistics Support	Various	Various : Various	14.151	9.659	Nov 2015	0.025	Nov 2016	0.025	Nov 2017	-		0.025	0.020	23.880	-
Integrated Logistics Support	WR	NAWC-AD : Patuxent River, MD	48.175	5.484	Nov 2015	0.700	Nov 2016	0.300	Nov 2017	-		0.300	1.200	55.859	-
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	92.823	16.982		0.725		0.325		-		0.325	1.220	112.075	-

Exhibit R-3, RDT&E Project Cost Analysis: FY 2018 Navy			Date: May 2017

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

Test and Evaluation ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2016		FY 2017		FY 2018 Base		FY 2018 OCO		FY 2018 Total	Cost To Complete	Total Cost	Target Value of Contract
				Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
Developmental Test & Evaluation	Various	Various : Various	17.590	0.668	Nov 2015	1.540	Nov 2016	0.695	Nov 2017	-		0.695	0.000	20.493	-
Developmental Test & Evaluation	WR	NAWC-AD : Patuxent River, MD	92.696	27.675	Nov 2015	19.000	Nov 2016	8.140	Nov 2017	-		8.140	11.136	158.647	-
Operational Test & Evaluation	Various	Various : Various	1.371	0.761	Nov 2015	1.001	Nov 2016	1.000	Nov 2017	-		1.000	0.000	4.133	-
Developmental Test & Evaluation (SATCOMM)	MIPR	DITCO : Various	8.792	1.757	Nov 2015	1.258	Nov 2016	0.349	Nov 2017	-		0.349	0.256	12.412	-
		Subtotal	120.449	30.861		22.799		10.184		-		10.184	11.392	195.685	-

Management Services ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2016		FY 2017		FY 2018 Base		FY 2018 OCO		FY 2018 Total	Cost To Complete	Total Cost	Target Value of Contract
				Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
Program Management	Various	Various : Various	3.344	0.163	Nov 2015	0.000	Nov 2016	0.000	Nov 2017	-		0.000	0.000	3.507	-
Travel	Allot	Various : Various	1.528	0.119	Nov 2015	0.107	Nov 2016	0.038	Nov 2017	-		0.038	0.087	1.879	-
Program Management Support	C/CPFF	Ausley : Lexington Park, MD	22.735	3.589	Nov 2015	0.000	Nov 2016	0.000	Nov 2017	-		0.000	0.000	26.324	26.324
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	-
		Subtotal	32.615	3.871		0.107		0.038		-		0.038	0.087	36.718	-

	Prior Years	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	2,921.000	237.118	111.729	84.115	-	84.115	63.865	3,417.827	-

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.

Exhibit R-4, **RDT&E Schedule Profile:** FY 2018 Navy		**Date:** May 2017
Appropriation/Budget Activity 1319 / 7	**R-1 Program Element (Number/Name)** PE 0305220N / (U)MQ-4C Triton	**Project (Number/Name)** 4020 / MQ-4C TRITON

Proj 4020

	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022

Acquisition Milestones

- MS C ▲
- Baseline EOC ▲
- Multi-INT EOC ▲
- IOC ▲
- FRP ◆

System Development

Systems Demonstration and Development

Phased Capability Upgrades - Multi-INT

Future Capability Development

Test & Evaluation Activities

Integrated Test CT/DT/OT

Multi-INT IOT&E

Future Capability Follow-on Integrated Test

Future Capability OT&E

Operational Test Event ▼

Production Milestones

Contracts:
- LRIP Lot 1 CA APN ●
- LRIP Lot 2 CA APN ●
- LRIP Lot 3 CA APN ●
- LRIP Lot 4 CA APN ●
- LRIP Lot 5 CA APN ●
- FRP Lot 6 CA APN ●
- FRP Lot 7 CA APN ●

Deliveries:
- SDTA RDTEN Qty 2
- LRIP Lot 1 APN Qty 4
- LRIP Lot 2 APN Qty 2
- LRIP Lot 3 APN Qty 3
- LRIP Lot 4 APN Qty 3
- LRIP Lot 5 APN Qty 3

2018DON - 0305220N - 4020 MQ-4C Triton development activities are resourced by PE 0305220N and PE 0305421N.

Exhibit R-4A, **RDT&E Schedule Details:** FY 2018 Navy		**Date:** May 2017
Appropriation/Budget Activity 1319 / 7	**R-1 Program Element (Number/Name)** PE 0305220N / (U)MQ-4C Triton	**Project (Number/Name)** 4020 / MQ-4C TRITON

Schedule Details

	Start		End	
Events by Sub Project	**Quarter**	**Year**	**Quarter**	**Year**
Proj 4020				
Acquisition Milestones: Milestone C	4	2016	4	2016
Acquisition Milestones: Full Rate Production	3	2021	3	2021
Acquisition Milestones: Initial Operational Capability	2	2021	2	2021
Acquisition Milestones: Multi-INT Early Operational Capability	2	2020	2	2020
Acquisition Milestones: Baseline Early Operational Capability	3	2018	3	2018
System Development: System Development and Demonstration	1	2016	4	2022
System Development: Phased Capability Upgrades - Multi-INT	1	2016	2	2021
System Development: Future Capability Development	3	2021	4	2022
Test & Evaluation Activities: Integrated Test (Combined/Developmental/Operational)	1	2016	3	2020
Test & Evaluation Activities: Multi-INT Initial Operational Test and Evaluation	4	2020	2	2021
Test & Evaluation Activities: Future Capabilities Follow-on Integrated Test	3	2021	3	2022
Test & Evaluation Activities: Future Capabilities Operational Test and Evaluation	4	2022	4	2022
Test & Evaluation Activities: Operational Test Event	1	2018	1	2018
Production Milestones: Contracts: Low Rate Initial Production Lot 1 Contract Award	4	2016	4	2016
Production Milestones: Contracts: Low Rate Initial Production Lot 2 Contract Award	3	2017	3	2017
Production Milestones: Contracts: Low Rate Initial Production Lot 3 Contract Award	3	2018	3	2018
Production Milestones: Contracts: Low Rate Initial Production Lot 4 Contract Award	3	2019	3	2019
Production Milestones: Contracts: Low Rate Initial Production Lot 5 Contract Award	3	2020	3	2020
Production Milestones: Contracts: Full Rate Production Lot 6 Contract Award	3	2021	3	2021
Production Milestones: Contracts: Full Rate Production Lot 7 Contract Award	3	2022	3	2022
Production Milestones: Deliveries: System Demonstration Test Articles Delivery	4	2017	4	2017
Production Milestones: Deliveries: Low Rate Initial Production Lot 1 Delivery	3	2018	2	2019

Exhibit R-4A, **RDT&E Schedule Details:** FY 2018 Navy				**Date:** May 2017	
Appropriation/Budget Activity 1319 *I* 7		**R-1 Program Element (Number/Name)** PE 0305220N *I (U)MQ-4C Triton*		**Project (Number/Name)** 4020 *I MQ-4C TRITON*	

	Start		**End**	
Events by Sub Project	**Quarter**	**Year**	**Quarter**	**Year**
Production Milestones: Deliveries: Low Rate Initial Production Lot 2 Delivery	4	2019	3	2020
Production Milestones: Deliveries: Low Rate Initial Production Lot 3 Delivery	4	2020	3	2021
Production Milestones: Deliveries: Low Rate Initial Production Lot 4 Delivery	4	2021	3	2022
Production Milestones: Deliveries: Low Rate Initial Production Lot 5 Delivery	4	2022	4	2022