Exhibit R-2, RDT&E Budget Item Justification: PB 2019 Navy

Appropriation/Budget Activity R-1 Program Element (Number/Name)

1319: Research, Development, Test & Evaluation, Navy I BA 3: Advanced PE 0603271N I Electromagnetic Systems Advanced Technology

Technology Development (ATD)

COST (\$ in Millions)	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	Cost To Complete	Total Cost
Total Program Element	0.000	25.726	9.360	0.000	-	0.000	0.000	0.000	0.000	0.000	0.000	35.086
2913: Electromagnetic Systems Advanced Technology	0.000	25.726	9.360	0.000	-	0.000	0.000	0.000	0.000	0.000	0.000	35.086

Note

The funding decrease from FY18 to FY19 reflects the realignment and consolidation of resources from the current Program Element (PE) to the new FY19 Navy Advanced Technology Development (ATD) PE 0603671N, and into the Navy Advanced Technology Project 3433. Specific efforts transferred from this PE include all FY19 planned continuing and initiating research associated with the Electronic and Electromagnetic Systems and Global Positioning System and Navigation Technology research efforts.

A. Mission Description and Budget Item Justification

The activities described in this program element (PE) address future Navy and Marine Corps capabilities needed to maintain maritime superiority and ensure national security. They are based on input from Naval Research Enterprise stakeholders (including the Naval enterprises, the combatant commands, OPNAV and Headquarters Marine Corps) and are designed to exploit breakthroughs in science and technology in order to deliver maximum warfighting benefit to our sailors and marines. These efforts are aligned with shared priorities throughout the whole of RDT&E in order to quickly advance new capabilities from discovery to deployment across the warfighting domains.

Activities and efforts in this Program Element (PE) address technologies critical to enabling the transformation of discrete functions to network centric warfare capabilities, which simultaneously perform Radar, Electronic Warfare (EW), and Communications and Network functions across platforms through multiple, simultaneous and continuous communications/data links. The Electromagnetic Systems Advanced Technology program addresses Radio Frequency (RF) technology for Surface and Aerospace Surveillance sensors and systems, EW sensors and systems, RF Communication Systems, Multi-Function sensor systems, and Position, Navigation and Timing (PNT) capabilities. Within the Naval Transformational Roadmap, this investment offers affordable options for the transformational capabilities required by the Sea Shield (Theater Air and Missile Defense), Sea Strike (Persistent Intelligence, Surveillance, and Reconnaissance), and ForceNet (Communications and Networking) SeaPower 21 Naval Warfighting Pillars.

Due to the number of efforts in this PE, the programs described herein are representative of the work included in this PE.

Exhibit R-2, RDT&E Budget Item Justification: PB 2019 Navy

Date: February 2018

Appropriation/Budget Activity

1319: Research, Development, Test & Evaluation, Navy I BA 3: Advanced

PE 0603271N I Electromagnetic Systems Advanced Technology

R-1 Program Element (Number/Name)

Technology Development (ATD)

FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total
26.421	9.360	8.804	-	8.804
25.726	9.360	0.000	-	0.000
-0.695	0.000	-8.804	-	-8.804
-	-			
-	-			
-	-			
-	-			
-	-			
-	-			
-0.679	0.000			
0.000	0.000	-8.804	=	-8.804
0.000	0.000	0.000	=	0.000
-0.016	-	-	-	-
	26.421 25.726 -0.695 - - - - - - - -0.679 0.000 0.000	26.421 9.360 25.726 9.360 -0.695 0.000 - 0.679 0.000 0.000 0.000 0.000 0.000	26.421 9.360 8.804 25.726 9.360 0.000 -0.695 0.000 -8.804	26.421 9.360 8.804 - 25.726 9.360 0.0000.695 0.000 -8.804

Change Summary Explanation

The funding decrease from FY18 to FY19 reflects the realignment and consolidation of resources from the current Program Element (PE) to the new FY19 Navy Advanced Technology Development (ATD) PE 0603671N, and into the Navy Advanced Technology Project 3433. Specific efforts transferred from this PE include all FY19 planned continuing and initiating research associated with the Electronic and Electromagnetic Systems and Global Positioning System and Navigation Technology research efforts.

Technical: Not applicable.

Schedule: Not applicable.

Exhibit R-2A, RDT&E Project Ju	stification	: PB 2019 N	lavy							Date: Febr	uary 2018	
Appropriation/Budget Activity 1319 / 3				PE 060327		t (Number/ omagnetic S	•	Project (Number/Name) 2913 I Electromagnetic Systems Advar Technology			Advanced	
COST (\$ in Millions)	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	Cost To Complete	Total Cost
2913: Electromagnetic Systems Advanced Technology	0.000	25.726	9.360	0.000	-	0.000	0.000	0.000	0.000	0.000	0.000	35.086

Note

The funding decrease from FY18 to FY19 reflects the realignment and consolidation of resources from the current Program Element (PE) to the new FY19 Navy Advanced Technology Development (ATD) PE 0603671N, and into the Navy Advanced Technology Project 3433. Specific efforts transferred from this PE include all FY19 planned continuing and initiating research associated with the Electronic and Electromagnetic Systems and Global Positioning System and Navigation Technology research efforts.

A. Mission Description and Budget Item Justification

Work in this project addresses cost-effective RF technology for Surface and Aerospace Surveillance sensors and systems, EW sensors and systems, RF Communication Systems, Multi-Function sensor systems, and Position, Navigation and Timing (PNT) capabilities.

B. Accomplishments/Planned Programs (\$ in Millions)			FY 2019	FY 2019	FY 2019
	FY 2017	FY 2018	Base	OCO	Total
Title: ELECTRONIC AND ELECTROMAGNETIC SYSTEMS	16.565	5.269	0.000	0.000	0.000
Description: The overarching objective of this activity is to develop, test, and demonstrate communications, electronic attack (EA), electronic surveillance (ES), electronic warfare (EW), and radar functions. This activity also includes development of affordable wideband, high performance Advanced Multifunction Radio Frequency (AMRF) apertures. A portion of this PE is devoted to mid-term technology development in close concert with acquisition programs of record. The products of these efforts are expected to transition at the end of their schedule into the associated acquisition program of record. a) Advanced EW Enabling Technologies - Develop classified advanced electronic warfare technology in support of current and predicted capability requirements.					
b) Electromagnetic Maneuver Warfare Command & Control (EMC2) (FY16-FY20) - Enable a battle group to work cooperatively in the EM Spectrum (EMS) to optimize Electronic Warfare (EW), Information Operations (IO), Communications (Comms) and Radar performance. EMC2 will build upon the Resource Allocation Manager (RAM) that was previously developed for single multifunction systems under the InTop program to optimize spectrum and functional use across a platform and an entire battle group.					

R-1 Program Element (Number/Name) PE 0603271N I Electromagnetic Systems Advanced Technology 8. Accomplishments/Planned Programs (\$ in Millions) The decrease from FY 2017 to FY 2018 reflects the realignment of the EMC2 Innovative Naval Prototype (INP) and Leap Ahead Technology (LA-Tech) designated program to PE 0603801N Innovative Naval Prototypes (INP) Advanced Technology Development where all of the INP/LA-Tech investments are being consolidated. The following are non-inclusive examples of accomplishments and plans for projects funded in this activity. FY 2018 Plans: Continue research in the areas of improved threat warning systems; electronic warfare support (ES); decoys and countermeasures against weapon tracking and guidance systems; electronic warfare support (ES); decoys and countermeasures against weapon tracking and guidance systems; electronic warfare support (ES); decoys and countermeasures against weapon tracking and guidance systems; electronic warfare support (ES); decoys and countermeasures against weapon tracking and guidance systems; electronic warfare support (ES); decoys and countermeasures against weapon tracking and guidance systems; electronic warfare support (ES); decoys and countermeasures against weapon tracking and guidance systems; electronic warfare support (ES); decoys and countermeasures against weapon tracking and guidance systems; electronic warfare support (ES); decoys and countermeasures against weapon tracking and guidance systems; electronic warfare support (ES); decoys and countermeasures against weapon tracking and guidance systems; electronic warfare support (ES); decoys and countermeasures against weapon tracking and guidance systems; electronic warfare support (ES); decoys and countermeasures against weapon tracking and guidance systems; electronic warfare support (ES); decoys and countermeasures against weapon tracking and guidance systems; electronic warfare support (ES); decoys and countermeasures against weapon tracking and guidance systems; electronic warfare supp	•	DNCLASSIFIED						
B. Accomplishments/Planned Programs (\$ in Millions) B. Accomplishments/Planned Programs (\$ in Millions) The decrease from FY 2017 to FY 2018 reflects the realignment of the EMC2 Innovative Naval Prototype (INP) and Leap Ahead Technology (LA-Tech) designated program to PE 0603801N Innovative Naval Prototypes (INP) and Leap Ahead Technology (LA-Tech) designated program to PE 0603801N Innovative Naval Prototypes (INP) and Leap Ahead Technology Development where all of the INP/LA-Tech investments are being consolidated. The following are non-inclusive examples of accomplishments and plans for projects funded in this activity. FY 2018 Plans: Continue research in the areas of improved threat warning systems; electronic attack (EA) against adversary command, control, communications, computers, intelligence, surveillance, and reconnaissance (C4ISR); and electronic protocomplishments and plans for projects funded in this activity. FY 2019 Plans: VA FY 2019 Base Plans: VA FY 2019 Base Plans: VA FY 2019 Increase/Decrease Statement: The funding decrease from FY18 to FY19 reflects the realignment and consolidation of resources from the current Program Element (FE) to the new FY19 Navy Advanced Technology Development (ATD) PE 0603671N, and into the Navy Advanced Technology Project 3433. Tittle: GLOBAL POSITIONING SYSTEM (GPS) & NAVIGATION TECHNOLOGY Description: The overarching objective of this activity is to develop technologies that enable the development of affordable, effective and robust Position, Navigation and Timing (PNT) capabilities using either GPS systems, non-GPS navigation devices, or atomic clocks. This activity will increase the operational effectiveness of U.S. Naval units. The focus is on the mitigation of GPS electronic threats, the development of atomic clocks that obscesses unique long-term stability and precision, and the development of compact, low-cost, Inertial Navigation of Systems (INS).	Exhibit R-2A, RDT&E Project Justification: PB 2019 Navy				Date: Febr	uary 2018		
FY 2017 FY 2018 Base OCO Total The decrease from FY 2017 to FY 2018 reflects the realignment of the EMC2 Innovative Naval Prototype (INP) and Leap Ahead Technology (LA-Tech) designated program to PE 0603801N Innovative Naval Prototypes (INP) Advanced Technology Development where all of the INP/LA-Tech investments are being consolidated. The following are non-inclusive examples of accomplishments and plans for projects funded in this activity. FY 2018 Plans: Continue research in the areas of improved threat warning systems; electronic warfare support (ES); decoys and countermeasures against weapon tracking and guidance systems; electronic attack (EA) against adversary command, control, communications, computers, intelligence, surveillance, and reconnaissance (C4ISR); and electronic protection (EP) of our own weapons and C4ISR from intentional and unintentional interference to control the electromagnetic spectrum (EMS) by exploiting, deceiving, or denying enemy use of the spectrum while ensuring its use by friendly forces. FY 2019 Base Plans: N/A FY 2019 Increase/Decrease Statement: The funding decrease from FY18 to FY19 reflects the realignment and consolidation of resources from the zurrent Program Element (FE) to the new FY19 Navy Advanced Technology Development (ATD) PE 0603671N, and into the Navy Advanced Technology Project 3433. Title: GLOBAL POSITIONING SYSTEM (GPS) & NAVIGATION TECHNOLOGY Description: The overarching objective of this activity is to develop technologies that enable the development of affordable, effective and robust Position, Navigation and Timing (PNT) capabilities using either GPS systems, non-GPS navigation devices, or atomic clocks. This activity will increase the operational effectiveness of U.S. Navalu units. The focus is on the mitigation of GPS electronic threats, the development of atomic clocks that obsesses unique long-term stability and precision, and the development of compact, low-cost, inertial Navigation Systems (INS).	Appropriation/Budget Activity 1319 / 3	PE 0603271N / Electromagnetic S		2913 / Elec	ctromagneti		ns Advanced	
The decrease from FY 2017 to FY 2018 reflects the realignment of the EMC2 Innovative Naval Prototypes (INP) and Leap Ahead Technology (LA-Tech) designated program to PE 0603801N Innovative Naval Prototypes (INP) advanced Technology Development where all of the INP/LA-Tech investments are being consolidated. The following are non-inclusive examples of accomplishments and plans for projects funded in this activity. FY 2018 Plans: Continue research in the areas of improved threat warning systems; electronic warfare support (ES); decoys and countermeasures against weapon tracking and guidance systems; electronic attack (EA) against adversary port of the control, communications, computers, intelligence, surveillance, and reconnaissance (CAISR); and electronic protection (EP) of our own weapons and CAISR from intentional and unintentional interference to control the electromagnetic spectrum (EMS) by exploiting, deceiving, or denying enemy use of the spectrum white ensuring its use by friendly forces. FY 2019 Base Plans: N/A FY 2019 Increase/Decrease Statement: The funding decrease from FY18 to FY19 reflects the realignment and consolidation of resources from the current Program Element (PE) to the new FY19 Navy Advanced Technology Development (ATD) PE 0603671N, and into the Navy Advanced Technology Project 3433. Title: GLOBAL POSITIONING SYSTEM (GPS) & NAVIGATION TECHNOLOGY Description: The overarching objective of this activity is to develop technologies that enable the development of affordable, effective and robust Position, Navigation and Timing (PNT) capabilities using either GPS systems, non-GPS navigation devices, or atomic clocks. This activity will increase the operational effectiveness of U.S. Navalu units. The focus is on the mitigation of GPS electronic threats, the development of atomic clocks that bossess unique long-term stability and precision, and the development of compact, low-cost, Inertial Navigation Systems (INS).	B. Accomplishments/Planned Programs (\$ in Millions)		FY 2017	FY 2018			FY 2019 Total	
FY 2018 Plans: Continue research in the areas of improved threat warning systems; electronic warfare support (ES); decoys and countermeasures against weapon tracking and guidance systems; electronic attack (EA) against adversary command, control, communications, computers, intelligence, surveillance, and reconnaissance (C4ISR); and electronic protection (EP) of our own weapons and C4ISR from intentional and unintentional interference to control the electromagnetic spectrum (EMS) by exploiting, deceiving, or denying enemy use of the spectrum while ensuring its use by friendly forces. FY 2019 Base Plans: N/A FY 2019 OCO Plans: N/A FY 2018 to FY 2019 Increase/Decrease Statement: The funding decrease from FY18 to FY19 reflects the realignment and consolidation of resources from the current Program Element (PE) to the new FY19 Navy Advanced Technology Development (ATD) PE 0603671N, and into the Navy Advanced Technology Project 3433. Title: GLOBAL POSITIONING SYSTEM (GPS) & NAVIGATION TECHNOLOGY Description: The overarching objective of this activity is to develop technologies that enable the development of affordable, effective and robust Position, Navigation and Timing (PNT) capabilities using either GPS systems, non-GPS navigation devices, or atomic clocks. This activity will increase the operational effectiveness of U.S. Navael units. The focus is on the mitigation of GPS electronic threats, the development of atomic clocks that possess unique long-term stability and precision, and the development of compact, low-cost, Inertial Navigation Systems (INS).	and Leap Ahead Technology (LA-Tech) designated program to PE 0603801	N Innovative Naval Prototypes (INP)						
Continue research in the areas of improved threat warning systems; electronic warfare support (ES); decoys and countermeasures against weapon tracking and guidance systems; electronic attack (EA) against adversary command, control, communications, computers, intelligence, surveillance, and reconnaissance (C4ISR); and electronic protection (EP) of our own weapons and C4ISR from intentional and unintentional interference to control the electromagnetic spectrum (EMS) by exploiting, deceiving, or denying enemy use of the spectrum while ensuring its use by friendly forces. FY 2019 Base Plans: N/A FY 2019 Increase/Decrease Statement: The funding decrease from FY18 to FY19 reflects the realignment and consolidation of resources from the current Program Element (PE) to the new FY19 Navy Advanced Technology Development (ATD) PE 0603671N, and into the Navy Advanced Technology Project 3433. Title: GLOBAL POSITIONING SYSTEM (GPS) & NAVIGATION TECHNOLOGY Description: The overarching objective of this activity is to develop technologies that enable the development of affordable, effective and robust Position, Navigation and Timing (PNT) capabilities using either GPS systems, non-GPS navigation devices, or atomic clocks. This activity will increase the operational effectiveness of U.S. Naval units. The focus is on the mitigation of GPS electronic threats, the development of atomic clocks that possess unique long-term stability and precision, and the development of compact, low-cost, Inertial Navigation Systems (INS).	The following are non-inclusive examples of accomplishments and plans for	projects funded in this activity.						
FY 2019 OCO Plans: N/A FY 2019 Increase/Decrease Statement: The funding decrease from FY18 to FY19 reflects the realignment and consolidation of resources from the current Program Element (PE) to the new FY19 Navy Advanced Technology Development (ATD) PE 0603671N, and into the Navy Advanced Technology Project 3433. Title: GLOBAL POSITIONING SYSTEM (GPS) & NAVIGATION TECHNOLOGY Description: The overarching objective of this activity is to develop technologies that enable the development of affordable, effective and robust Position, Navigation and Timing (PNT) capabilities using either GPS systems, non-GPS navigation devices, or atomic clocks. This activity will increase the operational effectiveness of U.S. Naval units. The focus is on the mitigation of GPS electronic threats, the development of atomic clocks that obossess unique long-term stability and precision, and the development of compact, low-cost, Inertial Navigation Systems (INS).	and countermeasures against weapon tracking and guidance systems; elect command, control, communications, computers, intelligence, surveillance, at electronic protection (EP) of our own weapons and C4ISR from intentional a	ronic attack (EA) against adversary nd reconnaissance (C4ISR); and nd unintentional interference to						
FY 2018 to FY 2019 Increase/Decrease Statement: The funding decrease from FY18 to FY19 reflects the realignment and consolidation of resources from the current Program Element (PE) to the new FY19 Navy Advanced Technology Development (ATD) PE 0603671N, and into the Navy Advanced Technology Project 3433. Title: GLOBAL POSITIONING SYSTEM (GPS) & NAVIGATION TECHNOLOGY Description: The overarching objective of this activity is to develop technologies that enable the development of affordable, effective and robust Position, Navigation and Timing (PNT) capabilities using either GPS systems, non-GPS navigation devices, or atomic clocks. This activity will increase the operational effectiveness of U.S. Naval units. The focus is on the mitigation of GPS electronic threats, the development of atomic clocks that cossess unique long-term stability and precision, and the development of compact, low-cost, Inertial Navigation Systems (INS).	FY 2019 Base Plans: N/A							
The funding decrease from FY18 to FY19 reflects the realignment and consolidation of resources from the current Program Element (PE) to the new FY19 Navy Advanced Technology Development (ATD) PE 0603671N, and into the Navy Advanced Technology Project 3433. Title: GLOBAL POSITIONING SYSTEM (GPS) & NAVIGATION TECHNOLOGY Description: The overarching objective of this activity is to develop technologies that enable the development of affordable, effective and robust Position, Navigation and Timing (PNT) capabilities using either GPS systems, non-GPS navigation devices, or atomic clocks. This activity will increase the operational effectiveness of U.S. Naval units. The focus is on the mitigation of GPS electronic threats, the development of atomic clocks that cossess unique long-term stability and precision, and the development of compact, low-cost, Inertial Navigation Systems (INS).	FY 2019 OCO Plans: N/A							
Description: The overarching objective of this activity is to develop technologies that enable the development of affordable, effective and robust Position, Navigation and Timing (PNT) capabilities using either GPS systems, non-GPS navigation devices, or atomic clocks. This activity will increase the operational effectiveness of U.S. Naval units. The focus is on the mitigation of GPS electronic threats, the development of atomic clocks that cossess unique long-term stability and precision, and the development of compact, low-cost, Inertial Navigation Systems (INS).								
of affordable, effective and robust Position, Navigation and Timing (PNT) capabilities using either GPS systems, non-GPS navigation devices, or atomic clocks. This activity will increase the operational effectiveness of U.S. Naval units. The focus is on the mitigation of GPS electronic threats, the development of atomic clocks that cossess unique long-term stability and precision, and the development of compact, low-cost, Inertial Navigation Systems (INS).	Title: GLOBAL POSITIONING SYSTEM (GPS) & NAVIGATION TECHNOLO	OGY	2.800	4.091	0.000	0.000	0.000	
The following are non-inclusive examples for projects funded in this activity.	of affordable, effective and robust Position, Navigation and Timing (PNT) call non-GPS navigation devices, or atomic clocks. This activity will increase the Naval units. The focus is on the mitigation of GPS electronic threats, the devices.	pabilities using either GPS systems, operational effectiveness of U.S. velopment of atomic clocks that						
	The following are non-inclusive examples for projects funded in this activity.							

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Exhibit R-2A, RDT&E Project Justification: PB 2019 Navy				Date: Febr	uary 2018		
Appropriation/Budget Activity 1319 / 3	R-1 Program Element (Number/I PE 0603271N / Electromagnetic S Advanced Technology		2913 <i>I Ele</i>				
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	
As a result of a comprehensive DOD wide assessment of current S&T investigation and Timing, funding was increased in FY 2018 in the Global Post Technology thrust for increased investment in Assured Time Dissemination	itioning System (GPS) & Navigation						
Continue advanced research and development in position, navigation and ti develop devices and systems that provide assured, cost-effective, and miss Areas of investment included robust GPS, non-GPS navigation aids, and as research in GPS Anti-Jam Antennas and Receivers for Navy platforms for the navigation capabilities in the presence of electronic threats and anti-spoofer of providing precision navigation capabilities in the presence of emergent the that possess unique long-term stability and precision for the purpose of providing and transferring GPS-derived time via radio frequency links for the purporecision time; and Inertial navigation systems for the purpose of providing a precision navigation, a correlation navigation technique using earth maps of platforms which may not have GPS navigation capabilities and/or loss of GPS	ion relevant PNT to the warfighter. sured timekeeping. Specifically, ne purpose of providing precision /anti-jam processors for the purpose reats; Tactical grade atomic clocks riding GPS-independent precision pose of providing GPS-independent an alternative means of providing high precision, for those Naval						
FY 2019 Base Plans: N/A							
FY 2019 OCO Plans: N/A							
FY 2018 to FY 2019 Increase/Decrease Statement: The funding decrease from FY18 to FY19 reflects the realignment and conscurrent Program Element (PE) to the new FY19 Navy Advanced Technology and into the Navy Advanced Technology Project 3433.							
Title: NEMESIS		6.361	0.000	0.000	0.000	0.000	
Description: The objective is to develop a System of Systems (SoS) able to warfare (EW) resources against many adversary surveillance and targeting the warfighter by providing platform protection across the battlespace against cross-domain countermeasure coordination, and enabling rapid advanced to counter emerging threats.	sensors simultaneously. It will benefit st many sensors, creating seamless						

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PE 0603271N: *Electromagnetic Systems Advanced Technol...* Navy

Exhibit R-2A, RDT&E Project Justification: PB 2019 Navy				Date: Febr	uary 2018	
Appropriation/Budget Activity 1319 / 3	R-1 Program Element (Number/ PE 0603271N / Electromagnetic S Advanced Technology	•		umber/Nan ctromagneti y	•	Advanced
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total
a) Develop reconfigurable and modular EW payloads, Distributed Decoy and Jamulti-spectral countermeasures (CM), and Multiple Input/Multiple Output Senso protection across operational domains.	, ,					
This R2 activity was initiated in PE 0602271N Electromagnetic Systems Applied 2015 to PE 0603271N Electromagnetic Systems Advanced Technology.	d Research and expanded in FY					
FY 2018 Plans: N/A						
FY 2019 Base Plans: N/A						
FY 2019 OCO Plans: N/A						
FY 2018 to FY 2019 Increase/Decrease Statement: The decrease from FY 2017 to FY 2018 reflects the realignment of the NEMES (INP) and Leap Ahead Technology (LA-Tech) designated program to PE 06038 (INP) Advanced Technology Development where all of the 6.3 INP/LA-Tech invo	301N Innovative Naval Prototypes					

Accomplishments/Planned Programs Subtotals

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

N/A

Remarks

D. Acquisition Strategy

N/A

E. Performance Metrics

Advanced Electronic Sensor Systems for Missile Defense and Long Range Detection and Tracking ECs are aligned to the Navy's Advanced Cruiser (CG(X)) plans and closely coordinated with Naval Sea Systems Command Integrated Warfare Systems (PEO IWS 2.0). Other performance metrics are discussed within the R-2a. Navigation and timekeeping developments are aligned and coordinated to the OPNAV (N2N6E4) Assured PNT plan for surface and aviation platforms and with the Special Programs office's technology development roadmap.

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0.000

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