Exhibit R-2, RDT&E Budget Item Justification: PB 2017 Navy											Date: February 2016	
Appropriation/Budget Activity 1319: *Research, Development, Test & Evaluation, Navy I* BA 6: *RDT&E Management Support*					R-1 Program Element (Number/Name) PE 0606355N *I (U)Warfare Innovation Management*							
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	0.000	0.000	0.000	21.123	-	21.123	34.938	13.629	13.917	14.195	Continuing	Continuing
3319: *Fleet Experimentation*	0.000	0.000	0.000	18.954	-	18.954	32.659	11.308	11.544	11.775	Continuing	Continuing
3320: *TRIDENT Warrior*	0.000	0.000	0.000	2.169	-	2.169	2.279	2.321	2.373	2.420	Continuing	Continuing

A. Mission Description and Budget Item Justification

This Program Element (PE) contains two projects: Fleet Experimentation (FLEX), and Trident Warrior (TW).
FLEX Project 3319: Advances/augments operational and tactical warfighter capabilities through the experimentation of high payoff initiatives, technologies and concepts, Fleet Concepts of Operations (CONOPS), doctrine, and new tactics, techniques and procedures (TTP). The objective of FLEX is to produce recommended changes in doctrine, organization, training, materiel, leadership development, personnel, facilities, and policy (DOTMLPF-P) actions.

TW Project 3320: TW enables early delivery of capabilities to the warfighter via Fleet-directed Trident Warrior operational events with an emphasis on USFF/CPF directed focus areas.

FLEX was transferred from 0604707N to 0606355N from Fy2017 forward. This is not a new start.

Trident Warrior (TW) was transferred from 0604231N to 0606355N from FY17 forward. This is not a new start.

Classified Project Expeditionary Submarine Fiber Optic Cable (SFOC) Communications added for FY2017 and FY2018 execution. Request new Project number.

The Expeditionary Submarine Fiber Optic Cable (SFOC) Communications is developing and experimenting innovative concepts designed to validate both material and non-material methodologies to provide resilient command and control within the maritime domain. The project focus is to demonstrate capabilities that leverage existing DOD investments and infrastructure using non-traditional means to move data and information. The key deliverable will be a demonstration using maritime assets, experimental methodologies, and current backhaul architecture to validate C2 data movement in the maritime domain. Continue the development and refinement of advanced networking and communication capabilities in a maritime environment that promote C2 interoperability in Satellite Communications (SATCOM) - Restricted and SATCOM - Denied environments, and support the defeat Anti-Access Area Denial (A2/AD). Solutions will address higher bandwidth technologies across the Radio Frequency (RF) and Optical spectrum.

Exhibit R-2, RDT&E Budget Item Justification: PB 2017 Navy					Date: February 2016
Appropriation/Budget Activity 1319: *Research, Development, Test & Evaluation, Navy I* BA 6: *RDT&E Management Support*			R-1 Program Element (Number/Name) PE 0606355N *I (U)Warfare Innovation Management*		
B. Program Change Summary ($ in Millions)	**FY 2015**	**FY 2016**	**FY 2017 Base**	**FY 2017 OCO**	**FY 2017 Total**
Previous President's Budget	0.000	0.000	0.000	-	0.000
Current President's Budget	0.000	0.000	21.123	-	21.123
Total Adjustments	0.000	0.000	21.123	-	21.123
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-			
• Program Adjustments	0.000	0.000	13.694	-	13.694
• Rate/Misc Adjustments	0.000	0.000	7.429	-	7.429

Change Summary Explanation

Technical: Not applicable.

Schedule: Not applicable.

Exhibit R-2A, RDT&E Project Justification: PB 2017 Navy			Date: February 2016
Appropriation/Budget Activity 1319 / 6	R-1 Program Element (Number/Name) PE 0606355N / *(U)Warfare Innovation Management*	Project (Number/Name) 3319 / *Fleet Experimentation*	

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
3319: *Fleet Experimentation*	0.000	0.000	0.000	18.954	-	18.954	32.659	11.308	11.544	11.775	Continuing	Continuing
Quantity of RDT&E Articles		-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

1. The Fleet Experimentation (FLEX) program examines the doctrine, organization, training, materiel, leadership and education, personnel, facilities, and policy (DOTMLPF-P) solutions to identified warfighter capability gaps within the FYDP. The FLEX program considers warfighting gaps identified in: Integrated Prioritized Capability Lists (IPCL) generated by Warfighting Development Centers (WDC); USFF/CPF's Integrated Priorities Letter (IPL) delivered annually to the CNO; USFF/ CPF's Commanders' FLEX Guidance; and Navy and Joint Urgent Operational Needs Statements. In addition, FLEX addresses innovative concepts, and tactics, techniques, and procedures (TTP), and Fleet Concepts of Operation (CONOPS) that collectively mitigate Fleet-identified warfighting capability gaps as defined by Commander, U.S. Fleet Forces' (CUSFF)/Commander, Pacific Fleet's (CPF) annual FLEX guidance. Through experimentation activities such as workshops, system or seminar war games, live at-sea events, and experimentation campaigns, the FLEX program examines potential materiel and non-materiel tangible solutions that will enhance the Fleet's ability to execute assigned missions. FLEX events and campaigns are comprised of all facets of experimentation including design, planning, systems engineering and integration, execution, data collection, analysis, assessment, and the delivery of tangible products to the fleet. While Naval-centric, FLEX efforts include joint, coalition, Science and Technology (S&T), academia, and industry partners.

Experimentation is vital to continuously improving naval warfighting capabilities. As such, the FLEX program directly supports four of the five elements outlined in the Secretary of the Navy's Innovation Vision: Build the Naval Innovation Network, Improve the Use of DON Information, Accelerate Emerging Operational Capabilities to the Fleet, and Develop Game-Changing Warfighting Concepts.

2. Request a new Project Number for Expeditionary SFOC Communications (Classified Project)

The Expeditionary Submarine Fiber Optic Cable (SFOC) Communications is developing and experimenting innovative concepts designed to validate both material and non-material methodologies to provide resilient command and control within the maritime domain. The project focus is to demonstrate capabilities that leverage existing DOD investments and infrastructure using non-traditional means to move data and information. The key deliverable will be a demonstration using maritime assets, experimental methodologies, and current backhaul architecture to validate C2 data movement in the maritime domain. Continue the development and refinement of advanced networking and communication capabilities in a maritime environment that promote C2 interoperability in Satellite Communications (SATCOM) - Restricted and SATCOM - Denied environments, and support the defeat Anti-Access Area Denial (A2/AD). Solutions will address higher bandwidth technologies across the Radio Frequency (RF) and Optical spectrum.

B. Accomplishments/Planned Programs ($ in Millions, Article Quantities in Each)	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total
Title: Fleet Experimentation	0.000	0.000	11.410	0.000	11.410
Articles:	-	-	-	-	-

Exhibit R-2A, RDT&E Project Justification: PB 2017 Navy		Date: February 2016
Appropriation/Budget Activity 1319 / 6	**R-1 Program Element (Number/Name)** PE 0606355N / *(U)Warfare Innovation Management*	**Project (Number/Name)** 3319 / *Fleet Experimentation*

B. Accomplishments/Planned Programs ($ in Millions, Article Quantities in Each)	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total
Description: FLEX is a USFF/CPF collaborative effort to address fleet prioritized capability gaps, led by USFF N8/N9, supported by Navy Warfare Development Command (NWDC), and coordinated with Naval Component Commands (NCC)/Numbered Fleets, Type Commanders (TYCOM), Systems Commands (SYSCOM), OPNAV, Services, Coalition, and Science & Technology (S&T) community. The Fleet Experimentation program objective is to produce recommended changes in doctrine, organization, training, materiel, leadership development, personnel, facilities, and policy (DOTMLPF-P) actions. Deliverables are focused on operational and tactical warfighting capability in the near term (within the Future Years Defense Program), and prioritized by the Commander, U.S. Fleet Forces (USFF)/Commander, Pacific Fleet (CPF) Fleet Experimentation annual guidance. NWDC plans and executes USFF/CPF approved multi-year Fleet experimentation campaigns and final reports. USFF/CPF staff manage the follow-on DOTMLPF-P actions with OPNAV, SYSCOMs, TYCOMs and Warfighter Development Center (WDC) staffs to establish or enhance warfighting capability in Integrated Air and Missile Defense (IAMD), Amphibious Warfare (AMW), Surface Warfare (SUW), Strike Warfare (STW), Anti-Submarine Warfare(ASW),Expeditionary Warfare (EXW), Information Dominance (ID), Mine Warfare (MIW) and Anti-Terrorism/Force Protection (AT/FP). FLEX supports Operational/Tactical venues to experiment, demonstrate, assess warfighting CONOPS development, concepts, doctrine/training development, techniques and procedures (TTPs), and technologies Multi-year experiment campaigns focus on warfighting capability per CPF/CUSFFC guidance to evaluate and transition to DOTMLPF-Policy change recommendations. Trident Warrior is the component of FLEX that specifically targets C4I systems. ***FY 2015 Accomplishments:*** FLEX Project 3319 was previously funded under PE 0604707N The FY15 Execution Plan (ExPlan) was based on five USFF/CPF directed focus areas, to include, in very broad terms, Electromagnetic Maneuver Warfare, Joint Assured Access, Integration and Interoperability, Unmanned Systems, and New Platform Introduction. The status of the FY15 ExPlan is as follows: 1. Navy Integrated Fire Control-Counter Air (NIFC-CA) War Game #2 FLEX provided for the technical, operational, and subject matter expertise support for the application of modeling and simulation techniques to stimulate operator-in-the-loop wargaming. The wargaming facilitates the investigation of command and control flow and decision-making for force positioning and integration/interoperability of Naval Integrated Fire Control-Counter Air employment.					

Exhibit R-2A, RDT&E Project Justification: PB 2017 Navy		Date: February 2016
Appropriation/Budget Activity 1319 / 6	**R-1 Program Element (Number/Name)** PE 0606355N / *(U)Warfare Innovation Management*	**Project (Number/Name)** 3319 / *Fleet Experimentation*

B. Accomplishments/Planned Programs ($ in Millions, Article Quantities in Each)	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total
A Joint Engagement Zone was used to inform the development and refinement of Concepts of Operations; Tactics, Techniques and Procedures; and Operational Taskings and Training. It also helped capture insights for future experimentation, analysis, and capability requirements for the NIFC-CA campaign. 2. Electromagnetic Maneuver Warfare (EMW) Experimentation Campaign. The overall EMW campaign include: NEMESIS War Game EMW At-Sea Experiment NORTHERN EDGE 2015 EMW At Sea Experiment FLEX provided funds for technical and Subject Matter Expertise (SME) support for EMW-related doctrine, blue emitter vulnerability assessment, focused collection reports and briefing documents related to EMW. FLEX provided funds for a Center for Naval Analysis SME support for the development of the EMW experimentation plan. Deliverables: Experimentation Plan for EMW and post event analysis report 3. Undersea Domain Operating Concept (UDOC) Experimentation Campaign Individual components of the FY15 UDOC campaign included: Undersea Innovation War Game Non-Traditional Theater ASW War Game UDOC 2015 FLEX provided funds to SCORE (Southern California Off-Shore Range) for range tracking, data collection, operations monitoring and safety services during UDOC experimentation event. Funds provided for installation and operation of antenna for telemetry transmission; temporary installs for Roll-on/Roll-off passive acoustic Anti-Submarine Warfare (ASW) capability onboard two VMX-22 Osprey aircraft; three MK-30 unmanned underwater vehicle (UUV) targets to support at-sea data collection effort. 4. Alternative Platforms with Payloads (APPS) Seminar War Game FLEX provided funds for subject matter expertise to define platforms, identify payloads, and enablers to integrate platform and mission payload.					

Exhibit R-2A, RDT&E Project Justification: PB 2017 Navy		Date: February 2016
Appropriation/Budget Activity 1319 / 6	**R-1 Program Element (Number/Name)** PE 0606355N / *(U)Warfare Innovation Management*	**Project (Number/Name)** 3319 / *Fleet Experimentation*

B. Accomplishments/Planned Programs ($ in Millions, Article Quantities in Each)	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total
5. Joint High Speed Vessel (now Expeditionary Fast Transport (T-EPF)) At Sea Experiment Campaign FLEX funds: - Provided for the shipment of PUMA and associated equipment, onload and set-up of equipment, and air operations for Phase 2 of T-EPF execution - Certification and Accreditation - Supported installation and operation of an air/surface radar in order to provide persistence surveillance capability aboard a JHSV - Provided funds to Naval Ordnance Safety and Security Activity for the battery safety evaluation package. - Provided funds for retrieval boat support - Provided funds for the engineering support, system testing and post-installation support for Littoral Surveillance System (LSS), Scan Eagle, and PUMA. - Range planning and site support for JHSV Southern Partnership Station 2015 Phase 1. 6. Rail Gun Seminar War Game FLEX provided funds for the subject matter expertise to evaluate platforms and weapons systems related to Rail Gun employment. 7. TRIDENT WARRIOR 2015 (TW 15) FLEX funds provided: - Technical support for the installation, integration, and operation of experimental technologies onboard selected vessels and at shore sites. - Shipyard diagrams for PANDARRA NET (PANNET) - Certification and accreditation for both GENSER and SCI ICOP (Intelligence Carry-on Program) experiment - Application Integration (AI) process and Integrated Support Engineering Agent (ISEA) support for technologies installed aboard USN afloat platforms - Installation and removal of TW15 technologies, and restoration of ship ISNS and ADNS configs upon completion of experiment event. - Site survey, system engineering, and planning yard diagrams - Integration of Maritime Domain awareness fusion correlator - Funds provided for Integrated Testing Facility (ITF) laboratory for Assured Compliance Assessment Solution (ACAS) testing in a classified environment 8. Netted Sensors At Sea Experiment FLEX funds provided for Tactical Targeting Network) radios support to include:					

Exhibit R-2A, RDT&E Project Justification: PB 2017 Navy		Date: February 2016
Appropriation/Budget Activity 1319 / 6	**R-1 Program Element (Number/Name)** PE 0606355N / *(U)Warfare Innovation Management*	**Project (Number/Name)** 3319 / *Fleet Experimentation*

B. Accomplishments/Planned Programs ($ in Millions, Article Quantities in Each)	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total
- Site support for air platforms and installation and Integration of TTNT radios - E-2 system test laboratory support - Analysis report for E-2D as related to Netted Sensors - Ground and flight testing - Classified laboratory support - Certification and Accreditation Deliverables: - Data collection plan used to develop aircraft orbits - Network diagrams and accreditation boundary diagrams - Analysis report					
FY 2016 Plans: FLEX Project 3319 was previously funded under PE 0604707N The FY16 FLEX ExPlan is based on four USFF/CPF directed focus areas to include, Multi-mission Electromagnetic Maneuver Warfare, Naval Integrated Fires, Full Spectrum Mine Warfare, and Unmanned Systems. Additionally, FLEX will support the introduction of new platform capabilities. FLEX ExPlan for FY 2016 includes the following events: 1. Naval Integrated Fires (NIF) Campaign 3 Non-Kinetic War Game - Project 3319 will continue to provide funds for Modeling and Simulation support, and wargame execution 2. Electromagnetic Maneuver Warfare Experiment Campaign Project 3319 will continue to provide funds for series of events to include: - Fleet Battle Experiment - EMW Technical War Game (Spectral Tsunami 16-1) - KRYSTAL SPHINX Funds will be provided for technical and engineering, analysis, certification and accreditation, range and target support for efforts related to EMW. 3. Logistics Force Assured C2 War Game Project 3319 will continue to provide funds for subject matter expertise in support of the Logistics Force Assured C2 wargame.					

Exhibit R-2A, RDT&E Project Justification: PB 2017 Navy		Date: February 2016
Appropriation/Budget Activity 1319 / 6	**R-1 Program Element (Number/Name)** PE 0606355N / *(U)Warfare Innovation Management*	**Project (Number/Name)** 3319 / *Fleet Experimentation*

B. Accomplishments/Planned Programs ($ in Millions, Article Quantities in Each)	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total
4. Trident Warrior 2016 At-Sea Experiment Project 3319 will continue to provide funds for Certification and Accreditation, range, targets, technical and engineering support, installation and de-installation of experiment technologies onboard selected vessels and at shore sites. 5. Project 3319 will continue to provide funds for technical and subject matter expertise throughout the experiment planning, execution, and analysis process for the following FLEX events/campaigns: - Unmanned System Series of Events - T-EPF At-Sea Experiment - Navy Tactical Data Network At-Sea Experiment - Undersea Domain Operating Concept (UDOC) Experimentation Campaign - Undersea Innovation Seminar War Game - Theater Undersea Warfare (TUSW) Command and Control (C2) Seminar War Game - UDOC At-Sea Experiment -Strike Weapon Evaluations -Mine Warfare (MIW) Innovation War Game -MIW At-Sea Experiment -Netted Sensor System War Game ***FY 2017 Base Plans:*** Although FY17 focus areas have not officially been selected, the FLEX program is designed to be campaign-based with the focus areas carrying forward year-to-year (with potentially slight modifications based on current posture, gaps, and threats). The FY16 ExPlan was based on four USFF/CPF directed focus areas to include, Multi-mission Electromagnetic Maneuver Warfare, Naval Integrated Fires, Full Spectrum Mine Warfare, and Unmanned Systems. In addition to the four named areas, FLEX will also be leveraged to support new platform introduction capabilities. FY17 experimentation will be executed following the prior named FY16 focus areas and as laid out in the draft FLEX ExPlan for FY 2017 as follows: 1. EMW Experiment Campaign: - Fleet Battle Experiment EMW (FBX EWM 17) - Navy Tactical Data Network At-Sea Experiment (Phase Two) - Real Time Spectrum Operations (RTSO) Speed to Fleet At-Sea Experiment					

Exhibit R-2A, RDT&E Project Justification: PB 2017 Navy		Date: February 2016
Appropriation/Budget Activity 1319 / 6	**R-1 Program Element (Number/Name)** PE 0606355N / *(U)Warfare Innovation Management*	**Project (Number/Name)** 3319 / *Fleet Experimentation*

B. Accomplishments/Planned Programs ($ in Millions, Article Quantities in Each)	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total
2. Naval Integrated Fires (NIF) Campaign Focus: Execute Kinetic Wargame FY17. 3. Undersea Warfare Vision 2025 Experimentation Campaign to include: - Undersea Innovation Seminar War Game - USW Vision 2025 At-Sea Experiment - Non-Traditional Theater Anti-Submarine Warfare (ASW) At-Sea Experiment 4. Trident Warrior 2017 At-Sea Experiment 5. Mine Warfare (MIW) Innovation War Game MIW At-Sea Experiment 6. Unmanned Systems Experimentation 7. LCS Manned/Unmanned Aviation Integrated Operations At-Sea Experiment ***FY 2017 OCO Plans:*** N/A					
Title: Expeditionary SFOC Communications	0.000	0.000	7.544	0.000	7.544
Articles:	-	-	-	-	-
Description: Request a new Project Number for this Classified Project: Expeditionary SFOC Communications The Expeditionary Submarine Fiber Optic Cable (SFOC) Communications project is developing and experimenting innovative concepts designed to validate both material and non-material methodologies to provide resilient command and control within the maritime domain. The project focus is to demonstrate capabilities that leverage existing DOD investments and infrastructure using non-traditional means to move data and information. The key deliverable will be a demonstration using maritime assets, experimental methodologies, and current backhaul architecture to validate C2 data movement in the maritime domain. Continue the development and refinement of advanced networking and communication capabilities in a maritime environment that promote C2 interoperability in Satellite Communications (SATCOM) - Restricted and SATCOM - Denied environments,					

Exhibit R-2A, RDT&E Project Justification: PB 2017 Navy		Date: February 2016
Appropriation/Budget Activity 1319 / 6	**R-1 Program Element (Number/Name)** PE 0606355N / *(U)Warfare Innovation Management*	**Project (Number/Name)** 3319 / *Fleet Experimentation*

B. Accomplishments/Planned Programs ($ in Millions, Article Quantities in Each)	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total
and support the defeat Anti-Access Area Denial (A2/AD). Solutions will address higher bandwidth technologies across the Radio Frequency (RF) and Optical spectrum. D. Acquisition Strategy: Expeditionary SFOC Communications is a non-acquisition program that promotes DoD interoperability to achieve resilient C2 data flows by facilitating maritime architectures in both processes and communications systems, including emerging capabilities, to counter growing high-end asymmetric threats, and is a key enabler of the Combatant Commanders C2 functionality. E. Performance Metrics: Expeditionary SFOC Communications will employ laboratory testing and at-sea demonstrations to assess specific technologies, operational concepts, and integrated Doctrine, Organization, Training, Material, Leadership, Personnel and Facilities (DOTMLPF) solutions pertaining to C2 communications and other aspects of Information Dominance (ID). These assessments will report on identified capability gaps, link capability gaps to technology/DOTMLPF gaps, identify technologies and DOTMLPF solutions considered ready for deployment, transition to a program of record to enhance war fighting capability and enhance interoperability. ***FY 2015 Accomplishments:*** Classified project. Identified previous work done within OSD channels ***FY 2016 Plans:*** Identified previous work done within OSD channels, and will leverage lessons learned. Validated contractor work key for the successful implementation of concept SFOC. ***FY 2017 Base Plans:*** - Acquire maritime vessel as test article IAW objectives - Modify vessel as required to meet demonstration objectives - Determine demonstration location - Identify Government Furnished Equipment required for successful demonstration					

Exhibit R-2A, RDT&E Project Justification: PB 2017 Navy		Date: February 2016
Appropriation/Budget Activity 1319 / 6	**R-1 Program Element (Number/Name)** PE 0606355N / *(U)Warfare Innovation Management*	**Project (Number/Name)** 3319 / *Fleet Experimentation*

B. Accomplishments/Planned Programs ($ in Millions, Article Quantities in Each)	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total
- Continue the development and refinement of advance networking and communication capabilities in a maritime environment that promote C2 interoperability in Satellite Communications (SATCOM) - Restricted and SATCOM - Denied environments, and support the defeat of Anti-Access Area Denial (A2/AD). ***FY 2017 OCO Plans:*** N/A					
Accomplishments/Planned Programs Subtotals	0.000	0.000	18.954	0.000	18.954

C. Other Program Funding Summary ($ in Millions)

N/A

Remarks

D. Acquisition Strategy

FLEX is a non-acquisition program.

E. Performance Metrics

Fleet Experimentation MOP:

FLEX supports approximately 100 experimental initiatives annually address fleet identified capability gaps. The majority of this funding is applied toward acquiring intellectual capital in emerging technical areas through contracts providing engineering expertise, experiment design, execution and analysis support, range support, certification and accreditation of technical capabilities, targets, and supporting air assets, and it is also used to acquire engineering and integration costs associated with conducting campaign-based experiments.

Fleet Experimentation MOE:

- CNO/CUSFF/CPF directed experiment for emerging future capability
- Mitigate critical capability gaps
- Inform Doctrine TTP, and training
- Inform Fleet Platform Wholeness or Warfighter CONOPS validation
- Impact to Fleet Warfighting within the FYDP

Exhibit R-2A, RDT&E Project Justification: PB 2017 Navy			Date: February 2016
Appropriation/Budget Activity 1319 / 6	R-1 Program Element (Number/Name) PE 0606355N / *(U)Warfare Innovation Management*	Project (Number/Name) 3320 / *TRIDENT Warrior*	

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
3320: *TRIDENT Warrior*	0.000	0.000	0.000	2.169	-	2.169	2.279	2.321	2.373	2.420	Continuing	Continuing
Quantity of RDT&E Articles		-	-	-	-	-	-	-	-	-		

Note

Trident Warrior (TW) was transferred from 0604231N to 0606355N from FY17 forward.

A. Mission Description and Budget Item Justification

TW enables early delivery of Information Dominance (ID) capabilities to the warfighter via Fleet-directed TW operational events. Integrates stand-alone systems and efforts to achieve substantially enhanced capability, demonstrates/tests these capabilities in both laboratory and operational environments, and evaluates their effectiveness. Develops supporting concepts and Concept of Operations to improve warfighting effectiveness. Coordinates ID efforts with other Service/Joint/Department of Defense/National efforts to ensure Joint/Interagency/Allied/Coalition applicability and interoperability.

B. Accomplishments/Planned Programs ($ in Millions, Article Quantities in Each)	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total
Title: Trident Warrior	0.000	0.000	2.169	0.000	2.169
Articles:	-	-	-	-	-
FY 2015 Accomplishments: Trident Warrior was previously funded under PE 0604231N					
FY 2016 Plans: Trident Warrior was previously funded under PE 0604231N					
FY 2017 Base Plans: - Conduct analysis of Trident Warrior (TW)16 executed experiments in order to determine recommended next steps for Naval Warfare Development Command (NWDC). - In accordance with standardized procedures derived from experimentation best practices, coordinate TW participant efforts with specific goal identification, risk identification, and experiment plans to include data requirements and collection. - Coordinate TW participant efforts to achieve required installation and security certifications, accreditations and approvals. - Provide subject matter experts (SMEs) for core ship services during the experimentation period. - Provide independent experts to coordinate the establishment of, and compliance with, experiment plans and to lead analysis effort and provide unbiased assessment to decision makers for initiatives designated by NWDC.					

Exhibit R-2A, RDT&E Project Justification: PB 2017 Navy		Date: February 2016
Appropriation/Budget Activity 1319 / 6	**R-1 Program Element (Number/Name)** PE 0606355N / *(U)Warfare Innovation Management*	**Project (Number/Name)** 3320 / *TRIDENT Warrior*

B. Accomplishments/Planned Programs ($ in Millions, Article Quantities in Each)	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total
- Provide results to government sponsors to support the program's Planning, Programming, Budgeting, and Execution Process (PPBE) and engineering recommendations. - Plan and execute TW 17 operational events to accelerate the transition of Information Dominance (ID) capability to the Fleet. - Solicit participation, both commercial and government, for TW 18 and recommend inclusion of technologies responsive to identified Naval Capability Gaps. - Provide subject matter expertise, analysis, and recommendations in order help select technologies for participation in numbers supportable within resources. ***FY 2017 OCO Plans:*** N/A					
Accomplishments/Planned Programs Subtotals	0.000	0.000	2.169	0.000	2.169

C. Other Program Funding Summary ($ in Millions)

N/A

Remarks

D. Acquisition Strategy

N/A

E. Performance Metrics

Confirmation of Fleet and Joint Interoperability with technology candidates, Information Assurance Certification and Accreditation, and alignment with United States Fleet Forces (USFF) Commander's Guidance, and Systems Command (SYSCOM) Chief Engineer (CHENG) as well as related Program Executive Office (PEO) objectives and projected architectures.

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