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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 0308601N / <i>Modeling & Simulation Support</i>							
COST (\$ in Millions)	Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total	FY 2018	FY 2019	FY 2020	FY 2021	Cost To Complete	Total Cost
Total Program Element	26.184	4.556	4.757	4.709	-	4.709	5.238	5.280	5.280	5.386	Continuing	Continuing
2222: <i>Modeling & Simulation</i>	26.184	4.556	4.757	4.709	-	4.709	5.238	5.280	5.280	5.386	Continuing	Continuing

A. Mission Description and Budget Item Justification

This Program Element addresses projects under the Navy Modeling and Simulation (M&S) Office. It supports technical and management initiatives directed by Congress, Department of Defense (DoD), Secretary of the Navy (SECNAV), and Chief of Naval Operations (CNO) with the aim of bringing organization, focus, and efficiency to the development and use of M&S throughout the Navy and DoD. It provides a central agency for the formulation and implementation of policy and guidance in M&S, and represents Navy interests in Joint and other Agency initiatives. It funds efforts to define and coordinate the corporate Navy M&S policy and guidance to evolve an interoperable and reusable core M&S capability consistent with the M&S technical framework prescribed by DoD.

Efforts are organized around three product areas:

- (1) Core Services: This activity provides essential planning and coordination of M&S efforts with other Services, the Office of Secretary of Defense (OSD), the Joint Staff, and other agencies to develop policies and procedures necessary for M&S standards, visibility, and potential reuse across DoD.
- (2) Community Services: This activity provides M&S subject matter expert support embedded in the DON M&S Communities to recommend implementations for M&S policies, standards, VV&A, and reuse within their Community and to ensure that the wider DON and DoD are aware (visibility) of the M&S products and services, initiatives, processes, and standards.
- (3) Community Experiments and Prototypes: This activity conducts experiments and prototypes aimed at determining the feasibility and applicability of proposed standards or technical approaches to Navy M&S and investigates Service-unique requirements for standards or guidance to achieve M&S efficiencies.

B. Program Change Summary (\$ in Millions)	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total
Previous President's Budget	4.719	4.757	4.979	-	4.979
Current President's Budget	4.556	4.757	4.709	-	4.709
Total Adjustments	-0.163	0.000	-0.270	-	-0.270
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-0.163	0.000			
• Rate/Misc Adjustments	0.000	0.000	-0.270	-	-0.270

UNCLASSIFIED

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<u>Change Summary Explanation</u> The FY 2017 request was reduced by -\$0.270 million to account for the availability of prior year execution balances. Technical: Not applicable. Schedule: Not applicable.		

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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 0308601N / <i>Modeling & Simulation Support</i>				Project (Number/Name) 2222 / <i>Modeling & Simulation</i>			
COST (\$ in Millions)	Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total	FY 2018	FY 2019	FY 2020	FY 2021	Cost To Complete	Total Cost
2222: <i>Modeling & Simulation</i>	26.184	4.556	4.757	4.709	-	4.709	5.238	5.280	5.280	5.386	Continuing	Continuing
Quantity of RDT&E Articles		-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

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Efforts are organized around three product areas:

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- (2) Community Services: This activity provides M&S subject matter expert support embedded in the DON M&S Communities to recommend implementations for M&S policies, standards, VV&A, and reuse within their Community and to ensure that the wider DON and DoD are aware (visibility) of the M&S products and services, initiatives, processes, and standards.
- (3) Community Experiments and Prototypes: This activity conducts experiments and prototypes aimed at determining the feasibility and applicability of proposed standards or technical approaches to Navy M&S and investigates Service-unique requirements for standards or guidance to achieve M&S efficiencies.

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

	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total
Title: CORE SERVICES	1.638	1.657	1.607	0.000	1.607
Articles:	-	-	-	-	-
Description: This activity provides essential planning and coordination of M&S efforts with other Services, the Office of Secretary of Defense (OSD), the Joint Staff, and other agencies to develop policies and procedures necessary for M&S visibility and potential reuse across DoD. It provides updates to the DoD Enterprise Catalog, M&S Master Plan, and M&S Investment Strategy. This activity supports development of common services, tools, and databases to ensure the integration and connectivity of M&S products employed in Naval assessments, training, acquisition, and among operational communities. It manages and maintains the Navy M&S Information Service (NMSIS), the central Naval M&S information resource to support informed M&S investment decision making across DON. It implements and manages the Modeling and Simulation (M&S) Quality Assurance (VV&A) process and guidelines for implementing for modeling, simulation, and data. It					

UNCLASSIFIED

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

reviews both new and legacy M&S VV&A plans and reports and develops and maintains the Naval M&S VV&A repository. It establishes and implements a VV&A training curriculum for developers and Accreditation Agents.

FY 2015 Accomplishments:

- Full NATO country review of NMSG-100 technical report on Resource Discovery and Access required prior to publishing final report.
- Assist Navy M&S Communities in their efforts to make M&S resources discoverable for reuse to the Global Information Grid Enterprise Service ensuring compliance with DoD Net Centric Data Strategy (dated May 9, 2003) and Directive 8320.02 (Data Sharing in a Net Centric Department of Defense).
- Revisions to documents are required in response to significant advances and changes in both subject areas and to comply with DON (SECNAVINST 5215.1D) and DoD (DoD Instruction 5025.01) regulation. Plans are to promulgate M&S VV&A Instruction (5200.40) and M&S Management (5200.38A), review Navy M&S Policy for coverage gaps new requirements, and assist in the development of an: "A Review of RDT&E M&S Factors in Policy" Current Policy Status Snapshot
- Continue development of the Navy M&S Strategic Plan and articulate a Comprehensive M&S Vision (Echelon 1), and begin Implementing Goals (Echelon 2)

FY 2016 Plans:

- Develop a virtual environment POA&M for SECNAV to cover:
 - * Identifying centers of excellence within the DON, across the DoD, commercial industry.
 - * Develop a strategic plan for the DON on scaling up the use of virtual environments.
- Update the SECNAV Instruction on M&S to enable a more integrated DON approach to M&S
- Help develop core M&S workforce education , especially on contracting language, M&S Support Plans, and user level M&S guidance.
- Provide VV&A, Standards and M&S support to programs, PEOs and other DON activities.
- Collect and make available "best practices" and guides for digital and M&S efforts.

FY 2017 Base Plans:

- Document capabilities of centers of excellence in DON, DoD, and industry virtual environments and make discoverable and usable
- Identify where, and in what conditions, virtual environments demonstrate value and to what levels of fidelity for various use cases.
- Develop a roadmap for the DON that includes the opportunities, risks, and barriers associated with scaling up the use of virtual environments.

FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total

UNCLASSIFIED

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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
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<ul style="list-style-type: none"> - Update the Verification, Validation and Accreditation (VV&A) Implementation Guide. - Educate the M&S workforce on how to participate in the reuse of core M&S knowledge and efforts. - Provide VV&A, Standards and M&S support to programs, PEOs and other DON activities. - Collect and make available "best practices" and guides for digital and M&S efforts. 					
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FY 2017 OCO Plans:
N/A

Title: COMMUNITY SERVICES	1.769	2.416	2.299	0.000	2.299
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Articles:	-	-	-	-	-
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Description: This activity provides M&S subject matter expert support embedded in the DON M&S Communities to recommend implementations for M&S policies and standards within their Community and to ensure that the wider Navy is aware of the M&S products and services, initiatives, processes, and standards (visibility). It promotes M&S reuse through cooperative Community M&S activities which identify and prioritize M&S capability requirements between and across Communities. It also provides an M&S degree program through the Naval Postgraduate School (NPS), Modeling Virtual Environments and Simulation (MOVES) curriculum which qualifies officers to fill 6202-P coded billets. Financial support for thesis and dissertation efforts done by the students is covered by this funding. Topics are broad M&S topics of concern which are prioritized based on how they meet the requirements across, between and within the M&S Communities.

FY 2015 Accomplishments:

- Coordinate with Naval Systems Commands and other solution providers to ensure the required system-of-systems training capability is delivered across the system life-cycle to enable effective Fleet training in an integrated live and synthetic training venue. Examples of mission areas, capabilities that require an integrated venue to effectively train are Navy Integrated Fire Control - Counter Air (NIFC-CA) and Anti-Access, Area Denial (A2AD).
- Continue to research expanded use of commercial game technology as a cost saving measure and to speed development in M&S education and training.

FY 2016 Plans:

- Develop open standards and architectures for M&S Communities' use which will foster Virtual Environments and M&S Enterprise Solutions
- Consolidate investment requirements of the M&S Communities to identify common or similar gaps and develop common solutions.

UNCLASSIFIED

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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
<ul style="list-style-type: none"> - Develop DON Officer M&S postgraduate Knowledge requirements and submit to the M&S program at Naval Postgraduate School. - Fund DON M&S Forum tasks to share M&S efforts, Best Practices, and lessons learned. <p>FY 2017 Base Plans:</p> <ul style="list-style-type: none"> - Develop open standards and architectures for M&S Communities' use which will foster Virtual Environments and M&S Enterprise Solutions - Consolidate investment requirements of the M&S Communities to identify common or similar gaps and develop common solutions.. - Develop DON Officer M&S postgraduate Knowledge requirements and submit to the M&S program at Naval Postgraduate School. - Fund DON M&S Forum tasks to share M&S efforts, Best Practices, and lessons learned. <p>FY 2017 OCO Plans: N/A</p>					
<p>Title: COMMUNITY EXPERIMENTS and PROTOTYPES</p> <p align="right">Articles:</p> <p>Description: This activity conducts experiments and prototypes aimed at determining the feasibility and applicability of proposed standards or technical approaches to Navy M&S, and investigate Service-unique requirements for standards or guidance. Individual efforts focus on developing or evaluating approaches to optimize training, assessments and acquisition functional, mission objectives through more efficient development and use of M&S. This activity develops methodologies and standards that will result in model and data reusability and interoperability through the formulation of a technical framework. These standards support the full range of architecture and engineering design requirements across the Navy. This activity also supports Fleet exercises and experiments through the application of distributed simulations across a wide variety of warfighting and supporting communities. Specifically, it develops and integrates appropriate M&S into Fleet Synthetic Training (FST), and develops simulation efforts to test and evolve the standards for models, interfaces, and data. It supports development of tools necessary to enable the seamless access and use of operationally relevant M&S products to support Navy training, warfare assessments and acquisition requirements.</p> <p>FY 2015 Accomplishments:</p>	1.149	0.684	0.803	0.000	0.803
	-	-	-	-	-

UNCLASSIFIED

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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>- VV&A of Real Time Propagation Loss Model / WaveQ3d will progress to prototype / demonstration implementation model in order to validate its effectiveness and efficiency in a simulation infrastructure.</p> <p>FY 2016 Plans:</p> <ul style="list-style-type: none"> - In conjunction with DoD and the other Services, develop M&S Enterprise Services for all to use and reuse. - Develop a collaboration environment for use in identifying components and innovative concepts to develop the DON Virtual Environment. - Collaborate on common development environment and maintain successes and lessons learned so follow-on efforts and users may benefit from them. - Assist labs in obtaining the necessary connectivity to participate in the shared digital environments. - Integrate model based System Engineering digital tools and processes. <p>FY 2017 Base Plans:</p> <ul style="list-style-type: none"> - In conjunction with DoD and the other Services, develop M&S Enterprise Services for all to use and reuse. - Develop a guide on recommended contract language for M&S efforts to ensure appropriate simulation and data government rights and that the industry deliverables will plug into the government framework. - Develop and test M&S Enterprise solutions for the users and developers of M&S in and for the DON. - Improve collaboration environment for use in identifying components and innovative concepts to develop the DON. Virtual Environment and evolve it to meet projected program and M&S users' requirements. - Collaborate on Common Development Environment and maintain successes and lessons learned so follow-on efforts and users may benefit from them. - Assist labs in obtaining the necessary connectivity to be participate in the shared digital environments. - Continue Integration of model based System Engineering digital tools and processes. <p>FY 2017 OCO Plans: N/A</p>					
Accomplishments/Planned Programs Subtotals	4.556	4.757	4.709	0.000	4.709

C. Other Program Funding Summary (\$ in Millions) N/A
Remarks

UNCLASSIFIED

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D. Acquisition Strategy

This is a non-ACAT program. The focus of the Navy Modeling and Simulation (M&S) Office is to facilitate and enable the efficient use of M&S by minimizing duplication of M&S efforts and maximize the reuse of M&S and data.

E. Performance Metrics

This program supports efforts to define, develop, and utilize M&S technologies, standards and techniques in DON and joint programs across a wide range of disciplines and technical arenas. As such, performance metrics are specific to individual projects initiated under this program element. Representative examples of performance criteria for M&S support include the following: VV&A of deployed M&S systems to support Fleet and Force missions and assessments; degree of composability and adaptability of system architectures employed M&S systems; ability of M&S systems to replicate and permit recreation of force or system interactions that otherwise would be performed by more labor-intensive or expensive personnel, forces, or elements; degree to which M&S frameworks would permit rapid integration and employment of analytic capabilities for the analysis and documentation of warfighter missions, weapons systems or Tactics, Techniques and Procedures (TT&P); and ability of a specific M&S technology or technique to meet the requirements specified in an individual project supported by this program.

UNCLASSIFIED

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 0308601N / Modeling & Simulation Support					Project (Number/Name) 2222 / Modeling & Simulation						
Product Development (\$ in Millions)				FY 2015		FY 2016		FY 2017 Base		FY 2017 OCO		FY 2017 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
DoD Support	WR	SPAWAR : Charleston, SC	0.383	0.000		0.000		0.000		-		0.000	Continuing	Continuing	Continuing
NMSO Director	WR	SPAWAR : Charleston, SC	1.038	0.258	Jan 2015	0.263	Jan 2016	0.265	Jan 2017	-		0.265	0.000	1.824	-
NMSO Data Archiving Effort	WR	NAVAIR : Pax River, MD	0.364	0.069	Mar 2015	0.070	Mar 2016	0.072	Mar 2017	-		0.072	0.000	0.575	-
DREN Connectivity	WR	SPAWAR : Charleston, SC	0.029	0.007	Mar 2015	0.007	Mar 2016	0.009	Mar 2017	-		0.009	0.000	0.052	-
M & S Data Lead	WR	SPAWAR : Charleston, SC	0.392	0.105	Jan 2015	0.243	Jan 2016	0.245	Jan 2017	-		0.245	0.000	0.985	-
NMSIS Web Presence	WR	SPAWAR : Charleston, SC	0.566	0.165	Jan 2015	0.165	Jan 2016	0.167	Jan 2017	-		0.167	0.000	1.063	-
VV&A Standards & Support	WR	SPAWAR : Charleston, SC	0.994	0.235	Mar 2015	0.106	Mar 2016	0.108	Mar 2017	-		0.108	0.000	1.443	-
Plans & Policies	WR	SPAWAR : Charleston, SC	1.128	0.400	Jan 2015	0.400	Jan 2016	0.334	Jan 2017	-		0.334	0.000	2.262	-
DON Mission Level Gap Analysis	WR	NAVAIR : Pax River, MD	1.100	0.000		0.000		0.000		-		0.000	0.000	1.100	-
M&S Interoperability Initiative	WR	NAVAIR : Pax River, MD	0.950	0.000		0.000		0.000		-		0.000	0.000	0.950	-
M&S Interoperability Initiative	WR	SPAWAR : Charleston, SC	0.649	0.000		0.000		0.000		-		0.000	0.000	0.649	-
Navy Training Test Harness	WR	NAWC TSD : Orlando, FL	0.375	0.000		0.000		0.000		-		0.000	0.000	0.375	-
CSP for NTI	WR	NAWC TSD : Orlando, FL	0.247	0.000		0.000		0.000		-		0.000	0.000	0.247	-
Navy STORM	WR	NAWC : Pax River, MD	0.500	0.000		0.000		0.000		-		0.000	0.000	0.500	-
USMC STORM	WR	MCCDC : Quantico, VA	0.250	0.000		0.000		0.000		-		0.000	0.000	0.250	-
M&S Services	WR	SPAWAR : Charleston, SC	0.000	0.000		0.000		0.000		-		0.000	0.000	0.000	-

UNCLASSIFIED

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

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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			
Data Assistant	WR	SPAWAR : Charleston, SC	0.544	0.185	Jan 2015	0.189	Jan 2016	0.191	Jan 2017	-		0.191	0.000	1.109	-
Navy VV&A Lead	WR	NAVAIR : Pax River, MD	0.000	0.214	Oct 2014	0.214	Oct 2015	0.216	Oct 2016	-		0.216	0.000	0.644	-
Subtotal			9.509	1.638		1.657		1.607		-		1.607	-	-	-

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			
RDA POC	WR	NAVAIR : Pax River, MD	0.662	0.349	Jan 2015	0.349	Jan 2016	0.352	Jan 2017	-		0.352	0.000	1.712	-
RDA IDS (#1&3)	WR	SPAWAR : Charleston, SC	1.341	0.165	Jan 2015	0.215	Jan 2016	0.218	Jan 2017	-		0.218	0.000	1.939	-
Training IDS (#1)	WR	SPAWAR : Charleston, SC	0.984	0.214	Mar 2015	0.214	Mar 2016	0.217	Mar 2017	-		0.217	0.000	1.629	-
Training IDS (#2)	WR	SPAWAR : Charleston, SC	0.498	0.232	Jan 2015	0.232	Jan 2016	0.235	Jan 2017	-		0.235	0.000	1.197	-
Analysis IDS (#1)	WR	SPAWAR : Charleston, SC	0.000	0.000		0.000		0.000		-		0.000	0.000	0.000	-
Analysis IDS (#2)	WR	SPAWAR : Charleston, SC	0.058	0.000		0.000		0.000		-		0.000	0.000	0.058	-
IDS Training and Coordination	WR	SPAWAR : Charleston, SC	0.044	0.000		0.000		0.000		-		0.000	0.000	0.044	-
USMC IDS	WR	MCCDC : Quantico, VA	0.420	0.110	Mar 2015	0.151	Jan 2016	0.154	Jan 2017	-		0.154	0.000	0.835	-
MOVES	WR	NPS : Monterrey, CA	3.245	0.109	Jan 2015	0.630	Jan 2016	0.492	Jan 2017	-		0.492	0.000	4.476	-
RDA M&S Forum	WR	NAVAIR : Pax River, MD	1.500	0.375	Jan 2015	0.337	Jan 2016	0.340	Jan 2017	-		0.340	0.000	2.552	-
NMSO Technical Support	WR	SPAWAR : Charleston, SC	0.483	0.000		0.000		0.000		-		0.000	0.000	0.483	-

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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			
Simulated Shipboard FMVS	WR	NWDC : Norfolk, VA	0.365	0.000		0.000		0.000		-		0.000	0.000	0.365	-
M&S Officer Postgraduate Ed	WR	SPAWAR : SSC-LANT	0.360	0.215	Jan 2015	0.288	Jan 2016	0.291	Jan 2017	-		0.291	0.000	1.154	-
Subtotal			9.960	1.769		2.416		2.299		-		2.299	0.000	16.444	-

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			
Need Item Text	C/BA	Not Specified : Not Specified	0.000	0.000		0.000		0.000		-		0.000	0.000	0.000	-
Subtotal			0.000	0.000		0.000		0.000		-		0.000	0.000	0.000	-

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			
Standard Interfaces for Virtual World	WR	NAVAIR : Pax River, MD	2.142	0.110	Feb 2015	0.100	Feb 2016	0.107	Feb 2017	-		0.107	0.000	2.459	-
Architecture Management Integration Environment	WR	NAVAIR : Pax River, MD	1.628	0.340	Feb 2015	0.200	Feb 2016	0.310	Feb 2017	-		0.310	0.000	2.478	-
Semantic and Structural Metadata Schema	WR	NAVAIR : Pax River, MD	0.562	0.000		0.000		0.000		-		0.000	0.000	0.562	-
Semantic and Structural Metadata Schema	WR	SPAWAR : Charleston, SC	0.289	0.000		0.000		0.000		-		0.000	0.000	0.289	-
Tactical Operational Software Environment (TOSEE)	WR	NAVAIR : TSD, Orlando	0.650	0.000		0.000		0.000		-		0.000	0.000	0.650	-
Cross Cultural Competence in OPS Environment	WR	NAVAIR : TSD, Orlando	0.350	0.000		0.000		0.000		-		0.000	0.000	0.350	-

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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			
Framework for Assessing Cost and Technology (FACT)	WR	MCCDC : Quantico, VA	0.500	0.000		0.000		0.000		-		0.000	0.000	0.500	-
Intergrated Air/Missile Defense IAMD	WR	NAVAIR : Pax River, MD	0.000	0.000		0.000		0.000		-		0.000	0.000	0.000	-
Measuring Immersion Training	WR	MCCDC : Quantico, VA	0.000	0.000		0.000		0.000		-		0.000	0.000	0.000	-
VVA of Real Time Propagation Loss Model	WR	ONR : Arlington, VA	0.294	0.294	Feb 2015	0.000		0.000		-		0.000	0.000	0.588	-
Navy M&S Education Program	WR	NAVAIR : Pax River, MD	0.000	0.000		0.000		0.000		-		0.000	0.000	0.000	-
Sensor Federate	WR	ONR : Pax River, MD	0.000	0.000		0.000		0.000		-		0.000	0.000	0.000	-
Contracting Language for M&S	WR	NAVAIR : Pax River, MD	0.000	0.000		0.000		0.000		-		0.000	0.000	0.000	-
VCE for CPD&T	MIPR	WHS : Arlington, VA	0.300	0.000		0.000		0.000		-		0.000	0.000	0.300	-
Navy VV&A Lead	WR	NAVAIR : Pax River, MD	0.000	0.000		0.000		0.000		-		0.000	0.000	0.000	-
LVC Training Enviroment Tech Advisor	WR	NAVSEA JHU : Wash. DC	0.000	0.285	Jan 2015	0.288	Jan 2016	0.289	Jan 2017	-		0.289	0.000	0.862	-
Human Anatomy Motion Tracking & Display	WR	MARCORSYSCOM : Arlington, VA	0.000	0.000		0.096	Jan 2016	0.097	Jan 2017	-		0.097	0.000	0.193	-
CapabilityModule Enhancement	WR	NAVAIR : Pax River	0.000	0.120	Feb 2015	0.000		0.000		-		0.000	0.000	0.120	-
Subtotal			6.715	1.149		0.684		0.803		-		0.803	0.000	9.351	-

	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	26.184	4.556	4.757	4.709	-	4.709	-	-	-

Remarks

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Exhibit R-4, RDT&E Schedule Profile: PB 2017 Navy

Date: February 2016

Appropriation/Budget Activity
1319 / 7

R-1 Program Element (Number/Name)
PE 0308601N / *Modeling & Simulation Support*

Project (Number/Name)
2222 / *Modeling & Simulation*

Proj 2222

FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				FY 2021							
1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q				
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UNCLASSIFIED

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 0308601N / <i>Modeling & Simulation Support</i>	Project (Number/Name) 2222 / <i>Modeling & Simulation</i>

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
Proj 2222				
Incorporate Best Practices in Contracting in DON	4	2015	4	2016
Publish Contracting Best Practices Guide	4	2015	4	2015
Change Culture through Education, Outreach and Training	1	2015	4	2018
Host Summit for Face to Face Workshop on Issues and Reuse	1	2015	4	2018
Incorporate Learning courses in SYSCOM Workforce Education	1	2015	4	2018
Coordinate across DON& other Services/DoD to develop a Support Plan	1	2015	3	2015
Establish draft MSSP Policy among the Services/DoD	2	2015	3	2016
Draft a Common Digital Environment for (and other) social efforts	1	2015	3	2018
Coordinate quarterly Fleet Training Integration Panels	1	2015	1	2018
Plan Quarterly Fleet Training Requirements Management Group	1	2015	3	2018
Develop Forums across all the Communities	1	2015	1	2015
JBUS AIME Integration to fix future LVC training integration issues	1	2015	1	2016
Aegis, Development Environment_AIME integration	1	2015	2	2016
Integrate NICAP and PEO IWS Portal, knowledge retention and discovery	3	2015	4	2016