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 5: *System Development & Demonstration (SDD)*						**R-1 Program Element (Number/Name)** PE 0604703N *I Personnel, Trng, Sim, & Human Factors*						

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	24.153	7.408	18.995	40.828	-	40.828	7.012	8.326	8.493	8.663	Continuing	Continuing
1822: *Manpower Pers & Human Fact System*	24.153	7.408	18.995	40.828	-	40.828	7.012	8.326	8.493	8.663	Continuing	Continuing

A. Mission Description and Budget Item Justification

This non-acquisition category program provides funds for continued (but less risky) R&D for broader application of advanced technologies to transition successful research proof-of-concept demonstrations into operational use.   Development of prototype systems to support and/or improve operational requirements of manpower and personnel sponsors is the primary goal of this Engineering Development Program. The R&D Program features the use of a broad range of technologies from cognitive science, human systems integration, learning management, content management & delivery, learning and ability testing techniques, mathematical modeling and optimization, statistical and econometric forecasting, intelligent systems, data visualization, data mining, simulation, decision support systems, and new services oriented architectures to include applications, databases and communications configuration. This non-acquisition category program provides funds for continued R&D for broader application of advanced training technologies and the science of learning to transition successful research proof of concept demonstrations and rapid prototyping of Commercial off the Shelf/Government off the Shelf (COTS/GOTS) technologies into operational use.

B. Program Change Summary ($ in Millions)

	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total
Previous President's Budget	7.686	4.995	6.719	-	6.719
Current President's Budget	7.408	18.995	40.828	-	40.828
Total Adjustments	-0.278	14.000	34.109	-	34.109
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-0.278	0.000			
• Program Adjustments	0.000	14.000	34.109	-	34.109
• Rate/Misc Adjustments	0.000	0.000	0.000	-	0.000

Change Summary Explanation

Technical: Not applicable.

Schedule: Not applicable.

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 5: *System Development & Demonstration (SDD)*	**R-1 Program Element (Number/Name)** PE 0604703N *I Personnel, Trng, Sim, & Human Factors*	

FY18 increase of $34.109 million is required to address emergency/emergent war fighting readiness requirements.

Additional funds support the continuation of IT system modernization for personnel management. Upgrades will provide information infrastructure that will streamline data from disparate and dated databases to bring personnel management and learning together into a common operating picture and significantly reduce the number of legacy business systems down from 55. This integration and updated technology will enable Sailors to transmit decisions from a mobile environment and unlock data stores for leaders that will provide visibility to enable more effective and efficient management.

The FY 2018 funding request was reduced by $1.000 million to account for the availability of prior year execution balances.

Exhibit R-2A, RDT&E Project Justification: FY 2018 Navy											Date: May 2017	
Appropriation/Budget Activity 1319 *I* 5					**R-1 Program Element (Number/Name)** PE 0604703N *I Personnel, Trng, Sim, & Human Factors*					**Project (Number/Name)** 1822 *I Manpower Pers & Human Fact System*		
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**
1822: *Manpower Pers & Human Fact System*	24.153	7.408	18.995	40.828	-	40.828	7.012	8.326	8.493	8.663	Continuing	Continuing
Quantity of RDT&E Articles		-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

This non-acquisition category program provides funds for continued (but less risky) R&D for broader application of advanced technologies to transition successful 6.3 research proof-of-concept demonstrations into operational use. Development of prototype systems to support and/or improve operational requirements of manpower and personnel sponsors is the primary goal of this Engineering Development Program. The 6.5 R&D Program features the use of a broad range of technologies from cognitive science and ability testing techniques, mathematical modeling and optimization, statistical and econometric forecasting, intelligent systems, data visualization, data mining, simulation, decision support systems and new database and communications configuration.

The program also provides continued R&D for broader application of advanced technologies to transition successful research proof-of-concept demonstrations into operational use. This PE provides funding to support the transition of models and decision support tools from RDT&E funded to production and into the hands of analysts and program managers throughout the Manpower, Personnel, Training and Education enterprise. The PE also supports the application of proven industry models, tools and methodologies to Navy MPTE problems where GOTS solutions are non-existent. The second goal of the PE is to successfully implement 90% of the industry-standard tools that are attempted to be used in Navy applications. In this case the Naval War College procuring and modifying an integrated, state-of-the-art information management / knowledge-management (IM / KM) system that environment that supports the College's unique educational and research activities.   Informed by IM/KM best practices, elements of this environment will enhance the NWC's ability to achieve objectives in its mission areas of education, research, cooperative / international engagement, and combat readiness. This effort will allow NWC to support the CJCS' vision for education as a career/lifelong learning endeavors, Navy's education strategy and CNO's Sailor 2025 initiative by dramatically increasing NWC communication of research, gaming and education results to the broader military and Navy communities.

FY18 increase of $34.109M is required to address emergency/emergent war fighting readiness requirements.
Additional funds support the continuation of IT system modernization for personnel management. Upgrades will provide information infrastructure that will streamline data from disparate and dated databases to bring personnel management and learning together into a common operating picture and significantly reduce the number of legacy business systems down from 55. This integration and updated technology will enable Sailors to transmit decisions from a mobile environment and unlock data stores for leaders that will provide visibility to enable more effective and efficient management.

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

	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total
Title: Manpower Pers & Human Fact System	7.408	18.995	40.828	0.000	40.828
Articles:	6	5	6	-	6

Exhibit R-2A, **RDT&E Project Justification:** FY 2018 Navy		**Date:** May 2017
Appropriation/Budget Activity 1319 *I* 5	**R-1 Program Element (Number/Name)** PE 0604703N *I Personnel, Trng, Sim, & Human Factors*	**Project (Number/Name)** 1822 *I Manpower Pers & Human Fact System*

B. Accomplishments/Planned Programs ($ in Millions, Article Quantities in Each)	**FY 2016**	**FY 2017**	**FY 2018 Base**	**FY 2018 OCO**	**FY 2018 Total**
Description: This program is funded under RDT&E operational systems development because it encompasses engineering and development of new end-items prior to production approval decision and the upgrading and enhancement of existing MPTE decision support systems, tools and models. This non-acquisition category program provides funds for continued R&D for broader application of advanced technologies to transition successful research proof-of-concept demonstrations into operational use. This PE provides funding to support the transition of models and decision support tools from RDT&E funded to production and into the hands of analysts and program managers throughout the Manpower, Personnel, Training and Education enterprise. The PE also supports the application of proven industry models, tools and methodologies to Navy MPTE problems where GOTS solutions are non-existent. The second goal of the PE is to successfully implement 90% of the industry-standard tools that are attempted to be used in Navy applications. In this case the Naval War College procuring and modifying an integrated, state-of-the-art information management / knowledge-management (IM / KM) system that environment that supportsthe College's unique educational and research activities. Informed by IM/KM best practices, elements of this environment will enhance the NWC's ability to achieve objectives in its mission areas of education, research, cooperative / international engagement, and combat readiness. This effort will allow NWC to support the CJCS' vision for education as a career/lifelong learning endeavors, Navy's education strategy and CNO's Sailor 2025 initiative by dramatically increasing NWC communication of research, gaming and education results to the broader military and Navy communities. FY18 increase of $34.109 million is required to address emergency/emergent war fighting readiness requirements. Additional funds support the continuation of IT system modernization for personnel management. Upgrades will provide information infrastructure that will streamline data from disparate and dated databases to bring personnel management and learning together into a common operating picture and significantly reduce the number of legacy business systems down from 55. This integration and updated technology will enable Sailors to transmit decisions from a mobile environment and unlock data stores for leaders that will provide visibility to enable more effective and efficient management. *FY 2016 Accomplishments:* - Continue Training and Supply Chain Management Decision Support Systems integration and transition. - Start Community Management and Strength Planning Model Enhancements and Integration					

Exhibit R-2A, RDT&E Project Justification: FY 2018 Navy		Date: May 2017	
Appropriation/Budget Activity 1319 I 5	R-1 Program Element (Number/Name) PE 0604703N I Personnel, Trng, Sim, & Human Factors	Project (Number/Name) 1822 I Manpower Pers & Human Fact System	

B. Accomplishments/Planned Programs ($ in Millions, Article Quantities in Each)	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total
- Continue development of Training Capacity Tradeoff Model. - Continue enhancement of products delivered via World Class Modeling. - Start/Complete Enlisted Advancement Worksheet - Start Transition of STAMPS Manpower Planning Optimization Tool (MPOT) - Start NMRS Modernization under this PE. - Continue Funding of NMRS Modernization under PE 0605013N Proj 2905 - Small Business Innovative Research (SBIR). ***FY 2017 Plans:*** - Continue Training and Supply Chain Management Decision Support Systems integration and transition. - Continue Community Management and Strength Planning Model Enhancements and Integration - Continue Development of Training Capacity Tradeoff Model - Continue Enhancements of Products delivered via World Class Modeling - Continue Transition of STAMPS Manpower Planning Optimization Tool (MPOT) - Start development of Model Integration - Small Business Innovative Research (SBIR). 2017 AMENDED BUDGET REQUEST JUSTIFICATION: $14.000 million is required to address emergency warfighting readiness requirements. Additional funds support IT system modernization for personnel management. Upgrades will provide information infrastructure that will streamline data from disparate and dated databases to bring personnel management and learning together into a common operating picture. This technology will enable Sailors to transmit decisions from a mobile environment and unlock data stores for leaders that will provide visibility to enable more effective and efficient management: - Accelerated Development Support for Transformation PeopleSoft 9.2 Proof of Concept - Accelerated Development Support for Transformation Data and Analytics - Accelerated Development Support for Transformation Pilot - Accelerated Development Support for Transformation Platform as a Service System Integration ***FY 2018 Base Plans:*** - Continue Training and Supply Chain Management Decision Support Systems integration and transition.					

Exhibit R-2A, RDT&E Project Justification: FY 2018 Navy		Date: May 2017
Appropriation/Budget Activity 1319 I 5	**R-1 Program Element (Number/Name)** PE 0604703N I *Personnel, Trng, Sim, &* *Human Factors*	**Project (Number/Name)** 1822 I *Manpower Pers & Human Fact* *System*

B. Accomplishments/Planned Programs ($ in Millions, Article Quantities in Each)	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total
- Continue Community Management and Strength Planning Model Enhancements and Integration - Continue Development of Training Capacity Tradeoff Model - Continue Enhancements of Products delivered via World Class Modeling - Continue Transition of STAMPS Manpower Planning Optimization Tool (MPOT) - Small Business Innovative Research (SBIR). - Continue of Model Integration (Model integration is the Transition Tail for the Manpower, Personnel and Training Strategic Planning Application Science and Technology initiative that begins is FY17 and ends in FY19. This S&T initiative will develop an modeling integration architecture enabling the MPTE Enterprise/domain to fully integrate their suite of models into a single environment. Products from the S&T initiative will be in spiral development and begin to be delivered at the end of FY17/beginning of FY18.) $34.109 increase to continue efforts from FY17 ABS add: - Continue Transformation PeopleSoft 9.2 Proof of Concept - Continue Transformation Data and Analytics - Continue Transformation Pilot - Continue Transformation Platform as a Service System Integration *FY 2018 OCO Plans:* N/A					
Accomplishments/Planned Programs Subtotals	7.408	18.995	40.828	0.000	40.828

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

D. Acquisition Strategy
 N/A

E. Performance Metrics
 This PE provides funding to support the transition of models and decision support tools from RDT&E funded research, Science and Technology (6.2-6.3), to production and into the hands of analysts and program managers throughout the Manpower, Personnel, Training and Education enterprise. The PE also supports the application of proven industry models, tools and methodologies to Navy MPTE problems where GOTS solutions are non-existent. One goal of this PE is to transition 90% of successful S&T products to production while distributing 80% of successful educational and research products from the Naval War College to a broader Navy audience

Exhibit R-2A, **RDT&E Project Justification:** FY 2018 Navy		**Date:** May 2017
Appropriation/Budget Activity 1319 *I* 5	**R-1 Program Element (Number/Name)** PE 0604703N *I Personnel, Trng, Sim, & Human Factors*	**Project (Number/Name)** 1822 *I Manpower Pers & Human Fact System*

to be used by USN Sailors and civilians. The second goal of the PE is to successfully implement 90% of the industry-standard tools that are attempted to be used in Navy applications and the existing NWC web based applications and products into the new IM/KM system for broader dissemination.

Exhibit R-3, RDT&E Project Cost Analysis: FY 2018 Navy												Date: May 2017		
Appropriation/Budget Activity 1319 *I* 5						R-1 Program Element (Number/Name) PE 0604703N *I Personnel, Trng, Sim, & Human Factors*						Project (Number/Name) 1822 *I Manpower Pers & Human Fact System*		

Support ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2016 Cost	FY 2016 Award Date	FY 2017 Cost	FY 2017 Award Date	FY 2018 Base Cost	FY 2018 Base Award Date	FY 2018 OCO Cost	FY 2018 OCO Award Date	FY 2018 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Development Support	Allot	NPRST : Millington, TN	8.340	0.800	Jul 2016	0.000	Oct 2016	0.000		-		0.000	Continuing	Continuing	Continuing
Development Support	Allot	CNP : Washington, DC	7.341	3.008	Jan 2016	1.595	Jan 2017	2.028	Jan 2018	-		2.028	Continuing	Continuing	Continuing
Development Support	Allot	NPC PMW-240 : Millington, TN	1.330	1.300	Jul 2016	0.000		0.000		-		0.000	0.000	2.630	-
Development Support	Allot	NAWC-TSD : Orlando, FL	1.300	0.000		1.900	Jan 2017	1.900	Jan 2018	-		1.900	Continuing	Continuing	Continuing
Development Support	Allot	SPAWAR : New Orleans, LA	0.000	2.300	Jul 2016	1.500	Jan 2017	1.800	Jan 2018	-		1.800	3.600	9.200	-
Development Support	Allot	NPC, HP Texas : Millington, TN	1.450	0.000		0.000		0.000		-		0.000	0.000	1.450	-
Development Support	Allot	CNRC PMW 240 : Millington, TN	3.700	0.000		0.000		0.000		-		0.000	0.000	3.700	-
Development Support	Allot	NWC : Newport, RI	0.692	0.000	Oct 2015	0.000		0.000		-		0.000	0.000	0.692	-
Development Support Transformation PS 9.2 Proof of Concept	Allot	TBD : TBD	0.000	0.000		4.000	Jul 2017	14.000	Jan 2018	-		14.000	Continuing	Continuing	Continuing
Development Support Transformation Data and Analytics	Allot	TBD : TBD	0.000	0.000		4.700	Sep 2017	5.000	Jan 2018	-		5.000	Continuing	Continuing	Continuing
Development Support Transformation Pilot Launch	Allot	TBD : TBD	0.000	0.000		3.950	Sep 2017	15.100	Jan 2018	-		15.100	Continuing	Continuing	Continuing
Development Support Transformation PaaS Integration	Allot	TBD : TBD	0.000	0.000		1.350	Jul 2017	1.000	Jan 2018	-		1.000	Continuing	Continuing	Continuing
		Subtotal	24.153	7.408		18.995		40.828		-		40.828	-	-	-

PE 0604703N: *Personnel, Trng, Sim, & Human Factors*
Navy

Exhibit R-3, RDT&E Project Cost Analysis: FY 2018 Navy												**Date:** May 2017		
Appropriation/Budget Activity 1319 *I* 5						**R-1 Program Element (Number/Name)** PE 0604703N *I Personnel, Trng, Sim, & Human Factors*						**Project (Number/Name)** 1822 *I Manpower Pers & Human Fact System*		

Management Services ($ 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**
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	-

	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	24.153	7.408		18.995		40.828		-		40.828	-	-	-

Remarks

Exhibit R-4, **RDT&E Schedule Profile:** FY 2018 Navy | | **Date:** May 2017

Appropriation/Budget Activity 1319 I 5	R-1 Program Element (Number/Name) PE 0604703N I Personnel, Trng, Sim, & Human Factors	Project (Number/Name) 1822 I Manpower Pers & Human Fact System

Fiscal Year	2015				2016				2017				2018				2019				2020				2021			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Future Naval Warfighter Capabilities (FNWC) Capable Manpower products			▲	△																								
Training/Supply Chain Mgmt Decision Support Systeme integration/transition		▲		△		▲		△		▲		△	▲		△		▲		△		▲		△		▲		△	
Enlisted Advancement Electronic Worksheet					▲	△																						
FNWC CM Refresh early prototypes	▲		▲	△																								
Training Capacity Tradeoff Model		▲		△		▲		△		▲		△	▲		△		▲		△		▲		△		▲		△	
WCM Enhancements		▲		△		▲		△		▲		△	▲		△		▲		△		▲		△		▲		△	
NMRS Modernization						▲		△	Project moved to PE 0605013N Proj 2905																			
Commnunity Management and Strength Model Integration						▲		△		▲		△	▲		△													
										▲		△		▲		△	▲		△		▲		△		▲		△
Applicant Relationship Management (ARM)		▲		△	Project moved to PE 0605013N Proj 2905																							
STAMPS Adavnaced Analytics (MPOT)					▲		△		▲		△		▲		△		▲		△									
NWC KM and Web		▲		△																								
Tranformation PeopleSoft 9.2 Proof of Concept										▲						△												
Tranformation Data and Anlytics											▲					△												
Tranfomation Pilot											▲					△												
Transformation Platform as a Service Systems Integration											▲					△												

Demonstration	▲
Prototype & Documentation	△

Exhibit R-4A, RDT&E Schedule Details: FY 2018 Navy			Date: May 2017
Appropriation/Budget Activity 1319 *I* 5	**R-1 Program Element (Number/Name)** PE 0604703N *I Personnel, Trng, Sim, &* *Human Factors*	**Project (Number/Name)** 1822 *I Manpower Pers & Human Fact* *System*	

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
Proj 1822				
Training/Supply Chain Mgmt Decision Support Systems Integration/Transition: Training/Supply Chain Mgmt Decision Support Systems Integration/Transition	2	2016	4	2022
Training/Supply Chain Mgmt Decision Support Systems Integration/Transition: T/SCMDS 1	2	2016	2	2016
Training/Supply Chain Mgmt Decision Support Systems Integration/Transition: T/SCMDS 2	4	2016	4	2016
Training/Supply Chain Mgmt Decision Support Systems Integration/Transition: T/SCMDS 3	2	2016	2	2016
Training/Supply Chain Mgmt Decision Support Systems Integration/Transition: T/SCMDS 4	4	2016	4	2016
Training/Supply Chain Mgmt Decision Support Systems Integration/Transition: T/SCMDS 5	2	2016	2	2016
Training/Supply Chain Mgmt Decision Support Systems Integration/Transition: T/SCMDS 6	4	2016	4	2016
Training/Supply Chain Mgmt Decision Support Systems Integration/Transition: T/SCMDS 7	2	2017	2	2017
Training/Supply Chain Mgmt Decision Support Systems Integration/Transition: T/SCMDS 8	4	2017	4	2017
Training/Supply Chain Mgmt Decision Support Systems Integration/Transition: T/SCMDS 9	2	2018	2	2018
Training/Supply Chain Mgmt Decision Support Systems Integration/Transition: T/SCMDS I0	4	2018	4	2018
Training/Supply Chain Mgmt Decision Support Systems Integration/Transition: T/SCMDS I1	2	2019	2	2019

Exhibit R-4A, RDT&E Schedule Details: FY 2018 Navy				Date: May 2017	
Appropriation/Budget Activity 1319 / 5		**R-1 Program Element (Number/Name)** PE 0604703N / Personnel, Trng, Sim, & Human Factors		**Project (Number/Name)** 1822 / Manpower Pers & Human Fact System	

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
Training/Supply Chain Mgmt Decision Support Systems Integration/Transition: T/SCMDS I2	4	2019	4	2019
Training/Supply Chain Mgmt Decision Support Systems Integration/Transition: T/SCMDS I3	2	2020	2	2020
Training/Supply Chain Mgmt Decision Support Systems Integration/Transition: T/SCMDS I4	4	2020	4	2020
Training Capacity Tradeoff Model: Training Capacity Tradeoff Model	2	2016	4	2021
Training Capacity Tradeoff Model: TCTM 1	2	2016	2	2016
Training Capacity Tradeoff Model: TCTM 2	4	2016	4	2016
Training Capacity Tradeoff Model: TCTM 3	2	2016	2	2016
Training Capacity Tradeoff Model: TCTM 4	4	2016	4	2016
Training Capacity Tradeoff Model: TCTM 5	2	2016	2	2016
Training Capacity Tradeoff Model: TCTM 6	4	2016	4	2016
Training Capacity Tradeoff Model: TCTM 7	2	2017	2	2017
Training Capacity Tradeoff Model: TCTM 8	4	2017	4	2017
Training Capacity Tradeoff Model: TCTM 9	2	2018	2	2018
Training Capacity Tradeoff Model: TCTM 10	4	2018	4	2018
Training Capacity Tradeoff Model: TCTM 11	2	2019	2	2019
Training Capacity Tradeoff Model: TCTM 12	4	2019	4	2019
Training Capacity Tradeoff Model: TCTM 13	2	2020	2	2020
Training Capacity Tradeoff Model: TCTM 14	4	2020	4	2020
WCM Enhancements: WCM Enhancements	2	2016	4	2021
WCM Enhancements: WCM 1	2	2016	2	2016
WCM Enhancements: WCM 2	4	2016	4	2016
WCM Enhancements: WCM 3	2	2017	2	2017
WCM Enhancements: WCM 4	4	2017	4	2017

Exhibit R-4A, RDT&E Schedule Details: FY 2018 Navy					Date: May 2017	

Appropriation/Budget Activity 1319 I 5	R-1 Program Element (Number/Name) PE 0604703N I Personnel, Trng, Sim, & Human Factors	Project (Number/Name) 1822 I Manpower Pers & Human Fact System

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
WCM Enhancements: WCM 5	2	2018	2	2018
WCM Enhancements: WCM 6	4	2019	4	2019
WCM Enhancements: WCM 7	2	2016	2	2016
WCM Enhancements: WCM 8	4	2016	4	2016
WCM Enhancements: WCM 9	2	2017	2	2017
WCM Enhancements: WCM 10	4	2017	4	2017
WCM Enhancements: WCM 11	2	2018	2	2018
WCM Enhancements: WCM 12	4	2018	4	2018
WCM Enhancements: WCM 13	2	2019	2	2019
WCM Enhancements: WCM 14	4	2019	4	2019
NMRS Advanced Analytics: NMRS Advanced Analytics	1	2016	4	2019
NMRS Advanced Analytics: NMRS 3	1	2016	1	2016
NMRS Advanced Analytics: NMRS 4	4	2016	4	2016
NMRS Advanced Analytics: NMRS 5	1	2017	1	2017
NMRS Advanced Analytics: NMRS 6	4	2017	4	2017
NMRS Advanced Analytics: NMRS 7	1	2018	1	2018
NMRS Advanced Analytics: NMRS 8	4	2018	4	2018
NMRS Advanced Analytics: NMRS 9	1	2019	1	2019
NMRS Advanced Analytics: NMRS 10	4	2019	4	2019
Enlisted Advancement Electronic Worksheet: EAEW 1	1	2016	2	2016
STAMPS Advanced Analytics (MPOT): STAMPS	1	2016	3	2018
MPT&E Transformation My Navy Portal (MNP): MPT&E Transformation My Navy Portal (MNP)	1	2017	1	2021
MPT&E Transformation My Navy Portal (MNP): Transformation PeopleSoft 9.2 Proof of Concept	3	2017	3	2017
MPT&E Transformation My Navy Portal (MNP): Transformation Data and Analytics	4	2017	4	2017

Exhibit R-4A, **RDT&E Schedule Details:** FY 2018 Navy				**Date:** May 2017		
Appropriation/Budget Activity 1319 *I* 5		**R-1 Program Element (Number/Name)** PE 0604703N *I Personnel, Trng, Sim, & Human Factors*		**Project (Number/Name)** 1822 *I Manpower Pers & Human Fact System*		

	Start		End	
Events by Sub Project	**Quarter**	**Year**	**Quarter**	**Year**
MPT&E Transformation My Navy Portal (MNP): Transformation Pilot	3	2017	3	2017
MPT&E Transformation My Navy Portal (MNP): Transformation Platform as a Service Proof of Concept Systems Integration	4	2017	4	2017