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<b>Exhibit R-2, RDT&amp;E Budget Item Justification:</b> FY 2018 Office of the Secretary Of Defense	<b>Date:</b> May 2017
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<b>Appropriation/Budget Activity</b>	<b>R-1 Program Element (Number/Name)</b>											
0400: Research, Development, Test & Evaluation, Defense-Wide / BA 6: RDT&E Management Support	PE 0605151D8Z / Studies and Analysis Support - OSD											
<b>COST (\$ in Millions)</b>	<b>Prior Years</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>FY 2018 Base</b>	<b>FY 2018 OCO</b>	<b>FY 2018 Total</b>	<b>FY 2019</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>Cost To Complete</b>	<b>Total Cost</b>
Total Program Element	14.352	2.696	3.797	5.200	-	5.200	5.000	4.500	5.000	4.970	Continuing	Continuing
001: Joint Service Training & Readiness System Development Program	14.352	2.696	3.797	5.200	-	5.200	5.000	4.500	5.000	4.970	Continuing	Continuing

**A. Mission Description and Budget Item Justification**

The Joint Service programs were established by the Secretary of Defense to improve the readiness and training of the Active and Reserve Components. This project expedites the development of technologies and systems which improve overall effectiveness and performance of the Total Force. It facilitates the sharing of information, while allowing for the transfer of emerging and innovative technologies among the Services and private sector. In addition, this project supports OSD (P&R), other OSD offices, Joint Staff, Unified Commands, and the Services in promoting more efficient and effective use of resources, increasing the effectiveness of military training, and enhancing the readiness and performance of the Total Force. Projects analyze the contributions to readiness of various programs and training techniques and use the results to expedite new concepts and procedures that increase unit effectiveness or decrease costs. Emphasis is placed on developing analytical tools and systematic methodologies to improve readiness and training resource allocations.

<b>B. Program Change Summary (\$ in Millions)</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>FY 2018 Base</b>	<b>FY 2018 OCO</b>	<b>FY 2018 Total</b>
Previous President's Budget	2.710	3.797	5.622	-	5.622
Current President's Budget	2.696	3.797	5.200	-	5.200
Total Adjustments	-0.014	0.000	-0.422	-	-0.422
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-0.014	-			
• SBIR/STTR Transfer	-	-			
• SRRB Reductions and other Adjustments	-	-	-0.422	-	-0.422

**Change Summary Explanation**

Funding adjustment reflects SRRB reductions - Service Requirement Review Board - As part of the Department of Defense reform agenda, the incremental reduction accounts for consolidation and reduction of service contracts.

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Exhibit R-2A, RDT&E Project Justification: FY 2018 Office of the Secretary Of Defense										Date: May 2017		
Appropriation/Budget Activity 0400 / 6					R-1 Program Element (Number/Name) PE 0605151D8Z / Studies and Analysis Support - OSD				Project (Number/Name) 001 / Joint Service Training & Readiness System Development Program			
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
001: Joint Service Training & Readiness System Development Program	14.352	2.696	3.797	5.200	-	5.200	5.000	4.500	5.000	4.970	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

**A. Mission Description and Budget Item Justification**

The Joint Service programs were established by the Secretary of Defense to improve the readiness and training of the Active and Reserve Components. This project expedites the development of technologies and systems which improve overall effectiveness and performance of the Total Force. It facilitates the sharing of information, while allowing for the transfer of emerging and innovative technologies among the Services and private sector. In addition, this project supports OSD Personnel and Readiness (P&R), other OSD offices, Joint Staff, Unified Commands, and the Services in promoting more efficient and effective use of resources, increasing the effectiveness of military training, and enhancing the readiness and performance of the Total Force. Projects analyze the contributions to readiness of various programs and training techniques and use the results to expedite new concepts and procedures that increase unit effectiveness or decrease costs. Emphasis is placed on developing analytical tools and systematic methodologies to improve readiness and training resource allocations.

**B. Accomplishments/Planned Programs (\$ in Millions)**

	<b>FY 2016</b>	<b>FY 2017</b>	<b>FY 2018</b>
<b>Title:</b> Joint Service Training & Readiness System Development	2.696	3.797	5.200
<b>Description:</b> The Joint Service programs were established by the Secretary of Defense to improve the readiness and training of the Active and Reserve Components. This project expedites the development of technologies and systems which improve overall effectiveness and performance of the Total Force. It facilitates the sharing of information, while allowing for the transfer of emerging and innovative technologies among the Services and private sector. In addition, this project supports OSD (P&R), other OSD offices, Joint Staff, Unified Commands, and the Services in promoting more efficient and effective use of resources, increasing the effectiveness of military training, and enhancing the readiness and performance of the Total Force. Projects analyze the contributions to readiness of various programs and training techniques and use the results to expedite new concepts and procedures that increase unit effectiveness or decrease costs. Emphasis is placed on developing analytical tools and systematic methodologies to improve readiness and training resource allocations.			
<b>FY 2016 Accomplishments:</b> <ul style="list-style-type: none"> <li>• Initiated model development efforts for both strategic readiness and impacts of resourcing as pertains to readiness;</li> <li>• Developed a strategic approach to Reserve Officer Training Corps (ROTC) sizing and investments to ensure sufficient numbers of high quality officers into the future;</li> <li>• Examined current size of and future requirements for joint duty assignments as pertains to the joint duty assignment list (JDAL);</li> </ul>			

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<b>B. Accomplishments/Planned Programs (\$ in Millions)</b>		<b>FY 2016</b>	<b>FY 2017</b>
<ul style="list-style-type: none"> <li>• Assessed both the overall military manpower workforce mix and more specifically the mixes of both military technicians (MilTechs) and Active Guard/Reserve (AGR) forces;</li> <li>• Explored methods for mitigating risks to force training and infrastructure using allied military capabilities and facilities to save costs and assist when expansion of force is necessary; and</li> <li>• Continued efforts to help understand economic retruns to improved military training and credentialing;</li> </ul> <p><b><i>FY 2017 Plans:</i></b></p> <ul style="list-style-type: none"> <li>• Complete model development efforts for both strategic readiness and impacts of resourcing as pertains to readiness;</li> <li>• Test newly devised methods for building resilient, elite warriors while enhancing skills for recovery;</li> <li>• Investigate effects of multiple deployments on private sector mobility and financial remuneration of Reserve component members;</li> <li>• Continue efforts related to workforce mix, data alignment, and coding taxonomies relevancy and currency;</li> <li>* Evaluated readiness impacts of modifications to the Department's Total Force personnel systems; and</li> <li>* Respond to Congressional mandates and directives</li> </ul> <p><b><i>FY 2018 Plans:</i></b></p> <ul style="list-style-type: none"> <li>* Continue to assess workforce skills and analyze training requirement to support the DoD Strategy in evolving areas;</li> <li>* Continue to identify and analyze opportunities for early and effective incorporation of human systems interface considerations in system training for new acquisitions;</li> <li>* Continue to investigate modeling and simulation technologies to increase training effectiveness and lower costs; and</li> <li>* Respond to Congressional mandates and directives</li> </ul>			
<b>Accomplishments/Planned Programs Subtotals</b>		2.696	3.797
<b>C. Other Program Funding Summary (\$ in Millions)</b>			
N/A			
<b>Remarks</b>			
<b>D. Acquisition Strategy</b>			
N/A			
<b>E. Performance Metrics</b>			
Each project contained within this program contains specific metrics to determine progress towards completion. Metrics for all include completed and documented analysis provided by the performer. The completion date for that analysis varies with each project. In addition, to that analysis, each effort contains a roadmap			

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0400 / 6	PE 0605151D8Z / Studies and Analysis Support - OSD	001 / Joint Service Training & Readiness System Development Program
<p>addressing the best use of the findings throughout the department. If the results of the analysis show benefit to the Department, those findings are included in policy, doctrine, tactics and procedures.</p>		