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Exhibit R-2, RDT&E Budget Item Justification: PB 2017 Office of the Secretary Of Defense **Date:** February 2016

Appropriation/Budget Activity 0400: <i>Research, Development, Test & Evaluation, Defense-Wide I BA 6: RDT&E Management Support</i>	R-1 Program Element (Number/Name) PE 0605151D8Z I <i>Studies and Analysis Support - OSD</i>
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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	11.707	2.645	2.710	3.797	-	3.797	5.622	5.378	4.959	5.016	Continuing	Continuing
001: <i>Joint Service Training & Readiness System Development Program</i>	11.707	2.645	2.710	3.797	-	3.797	5.622	5.378	4.959	5.016	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. Program Change Summary (\$ in Millions)	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total
Previous President's Budget	2.660	3.015	3.339	-	3.339
Current President's Budget	2.645	2.710	3.797	-	3.797
Total Adjustments	-0.015	-0.305	0.458	-	0.458
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-0.300			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-0.001	-0.005			
• SBIR/STTR Transfer	-0.014	-			
• Realignment of funds	-	-	0.482	-	0.482
• Economic Assumptions	-	-	-0.024	-	-0.024

Change Summary Explanation

Funding adjustment reflects higher priorities and economic assumptions.

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Appropriation/Budget Activity 0400 / 6					R-1 Program Element (Number/Name) PE 0605151D8Z / <i>Studies and Analysis Support - OSD</i>				Project (Number/Name) 001 / <i>Joint Service Training & Readiness System Development Program</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
001: <i>Joint Service Training & Readiness System Development Program</i>	11.707	2.645	2.710	3.797	-	3.797	5.622	5.378	4.959	5.016	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)

	FY 2015	FY 2016	FY 2017
Title: Joint Service Training & Readiness System Development	2.645	2.710	3.797
<p>Description: 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.</p>			
<p>FY 2015 Accomplishments:</p> <ul style="list-style-type: none"> • Initiated assessment of the feasibility of architectural integration between the Army Safety Information Management System (ASMIS) and Force Risk Reduction (FR2); • Examined the effects of combining Active and Reserve Component (AC/RC) staffs, echelon III and above, into a single mixed AC/RC staff; 			

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B. Accomplishments/Planned Programs (\$ in Millions)	FY 2015	FY 2016	FY 2017
<ul style="list-style-type: none"> • Updated the Reserve Component Simulation Model (R-SIM) to forecast the effects of changes in activation rates and policies and changes in compensation on accession and continuation in the Reserve components; • Studied the feasibility and advisability of permitting individuals with auditory impairment to access as officers in the Armed Forces; • Developed a pilot training program that leverages current mental fitness training programs to build resilient, elite warriors while enhancing skills for recovery; • Developed methodologies for text mining comments in readiness reporting systems to enhance understanding of reported status; • Explored the feasibility of applying the working capital fund strategy to the civilian cyber workforce; • Developed a proof of concept that would provide military personnel seeking education or employment in post-military career positions with “credit” for their non-traditional education and training experiences through the use of “badges;” • Analyzed potential impacts of alternative proposals for changes in Defense Officer Personnel Management Act (DOPMA) with a special focus on joint officer management; and • Using the current source code and applications associated with the Department’s Virtual World Framework (VWF), developed a prototype governance model to support an open source software project to support individual education and collective team training. <p>FY 2016 Plans:</p> <ul style="list-style-type: none"> • Continue to assess feasibility of architectural integration between the ASMIS and FR2; • Test and evaluate pilot training program that leverages current mental fitness training programs to build resilient, elite warriors while enhancing skills for recovery; • Develop implementation strategy for applying the working capital fund strategy to the civilian cyber workforce; • Continue to develop and test improvements/modifications to Department’s Virtual World Framework (VWF); • Evaluate readiness impacts of modifications to the Department’s Total Force personnel systems; and • Respond to Congressional mandates and directives <p>FY 2017 Plans:</p> <ul style="list-style-type: none"> • Continue to assess workforce skills and analyze training requirement to support the DoD Strategy in evolving areas; • Continue to investigate opportunities for a continuum of service in a downsizing military to include the effectiveness and impacts of alternative approach options for reducing force structure; • Continue to identify and analyze opportunities for early and effective incorporation of human systems interface considerations in system training for new acquisitions; • Continue to investigate modeling and simulation technologies to increase training effectiveness and lower costs; and 			

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B. Accomplishments/Planned Programs (\$ in Millions)	FY 2015	FY 2016	FY 2017
• Respond to Congressional mandates and directives.			
Accomplishments/Planned Programs Subtotals	2.645	2.710	3.797

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

N/A

Remarks

D. Acquisition Strategy

N/A

E. Performance Metrics

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 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.