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Exhibit R-2, RDT&E Budget Item Justification: PB 2015 The Joint Staff **Date:** March 2014

Appropriation/Budget Activity 0400: Research, Development, Test & Evaluation, Defense-Wide / BA 6: RDT&E Management Support	R-1 Program Element (Number/Name) PE 0303166J / Support to Information Operations Capability
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COST (\$ in Millions)	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO #	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	Cost To Complete	Total Cost
Total Program Element	0.000	3.975	8.394	11.552	-	11.552	11.713	11.876	12.000	12.000	Continuing	Continuing
001: Information Operations Range	0.000	3.975	8.394	11.552	-	11.552	11.713	11.876	12.000	12.000	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

The FY 2015 OCO Request will be submitted at a later date.

A. Mission Description and Budget Item Justification

The Joint Information Operations Range (JIOR) is a closed-loop network that forms a live-fire range utilizing encrypted tunneling over existing networks to conduct training, testing, and experimentation in support of Information Operations (IO) Electronic Warfare (EW), Computer Network Attack (CNA)/Computer Network Defense (CND), and Cyberspace mission areas in a threat representative environment.

B. Program Change Summary (\$ in Millions)	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total
Previous President's Budget	5.849	8.394	8.552	-	8.552
Current President's Budget	3.975	8.394	11.552	-	11.552
Total Adjustments	-1.874	-	3.000	-	3.000
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-			
• Program Change	-1.874	-	3.000	-	3.000

Change Summary Explanation

FY 2013 was the first year TJS executed in PE 0303166J, Support to Information Operations Capability. Prior to FY 2013, USD(I) owned the funding and reported the information in their exhibits.

The increase in funding from FY 2014 to FY 2015 will support additional cyber events utilizing the Joint IO range as well as the deployment of tools to support faster reconfiguration and enhanced recording and playback.

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Appropriation/Budget Activity 0400: <i>Research, Development, Test & Evaluation, Defense-Wide I</i> BA 6: <i>RDT&E Management Support</i>		R-1 Program Element (Number/Name) PE 0303166J <i>I Support to Information Operations Capability</i>		
C. Accomplishments/Planned Programs (\$ in Millions)		FY 2013	FY 2014	FY 2015
Title: Information Operations Range Description: The Joint Information Operations Range (JIOR) is a closed-loop network that forms a live-fire range utilizing encrypted tunneling over existing networks to conduct training, testing, and experimentation in support of Information Operations (IO) Electronic Warfare (EW), Computer Network Attack (CNA)/Computer Network Defense (CND)), and Cyberspace mission areas in a threat representative environment. FY 2013 Accomplishments: (1) Expanded national DoD and Inter-Agency awareness and support regarding IO and cyber related activities. (2) Improved the threat representation and operational relevance of the network. (3) Improved the integration of Live, Virtual, and Constructive (LVC) simulations with other Joint training and testing communities and infrastructures. (4) Developed a long term JIOR infrastructure development, operation and sustainment management plan that supports the application of user resources allocated by JIOR stakeholders to support user activities, to include JIOR expansion and modernization and interoperability with National and DoD Cyber Ranges. (5) Improved capability to rapidly reset, regenerate, and adapt events. (6) Improved capability to provide timely assessment for evaluation. (7) Established cost-reimbursable funding construct. FY 2014 Plans: (1) Expand national DoD and Inter-Agency awareness and support regarding IO and cyber related activities (2) Improve the threat representation and operational relevance of the network (3) Improve the integration of LVC simulations with other Joint training and testing communities and infrastructures FY 2015 Plans: (1) Expand national DoD and Inter-Agency awareness and support regarding IO and cyber related activities (2) Improve the threat representation and operational relevance of the network (3) Improve the integration of LVC simulations with other Joint training and testing communities and infrastructures		3.975	8.394	11.552
Accomplishments/Planned Programs Subtotals		3.975	8.394	11.552
D. Other Program Funding Summary (\$ in Millions)				
N/A				
Remarks				

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E. Acquisition Strategy The Joint IO Range, under Joint Staff J7, manages the development and expansion of Joint IO Range capabilities to an increasing number of customers. Integration into the Joint Exercise program has allowed users to increase the use and capability of the range. Continued development of tools for the range will be required as adversarial capabilities improve.		
F. Performance Metrics Performance metrics are measured through internal management controls and external assessments. Performance metrics include, but are not limited to time, money, realism, and fidelity.		