Exhibit R-2, RDT&E Budget Item Justification: PB 2014 The Joint Staff											DATE: April 2013	

APPROPRIATION/BUDGET ACTIVITY	R-1 ITEM NOMENCLATURE
0400: *Research, Development, Test & Evaluation, Defense-Wide* BA 6: *RDT&E Management Support*	PE 0303166J: *Support to Information Operations Capability*

COST ($ in Millions)	All Prior Years	FY 2012	FY 2013#	FY 2014 Base	FY 2014 OCO ##	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	Cost To Complete	Total Cost
Total Program Element	0.000	0.000	8.238	8.394	-	8.394	8.552	8.713	8.876	9.000	Continuing	Continuing
001: *Information Operations Range*	0.000	0.000	8.238	8.394	-	8.394	8.552	8.713	8.876	9.000	Continuing	Continuing
Quantity of RDT&E Articles												

FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012

The FY 2014 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 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total
Previous President's Budget	0.000	8.238	8.394	-	8.394
Current President's Budget	0.000	8.238	8.394	-	8.394
Total Adjustments	0.000	0.000	0.000	-	0.000
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-			

C. Accomplishments/Planned Programs ($ in Millions)

	FY 2012	FY 2013	FY 2014
Title: IO Range	0.000	8.238	8.394

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 Plans:

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APPROPRIATION/BUDGET ACTIVITY 0400: *Research, Development, Test & Evaluation, Defense-Wide* BA 6: *RDT&E Management Support*	**R-1 ITEM NOMENCLATURE** PE 0303166J: *Support to Information Operations Capability*	

C. Accomplishments/Planned Programs ($ in Millions)	FY 2012	FY 2013	FY 2014
• Expand national DoD and Inter-Agency awareness and support regarding IO and cyber related activities • Improve the threat representation and operational relevance of the network • Improve the integration of live, virtual, and constructive (LVC) simulations with other Joint training and testing communities and infrastructures • Develop 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 • Improve capability to rapidly reset, regenerate, and adapt events • Improve capability to provide timely assessment for evaluation • Establish cost-reimbursable funding construct ***FY 2014 Plans:*** • Expand national DoD and Inter-Agency awareness and support regarding IO and cyber related activities • Improve the threat representation and operational relevance of the network • Improve the integration of live, virtual, and constructive (LVC) simulations with other Joint training and testing communities and infrastructures			
Accomplishments/Planned Programs Subtotals	0.000	8.238	8.394

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

E. Acquisition Strategy
  The Joint IO Range, under JS Joint and Coalition Warfighting (JCW), 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.

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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 as defined below:

• Time – Will the effort enable the warfighter faster access to non-kinetic capabilities than current capabilities allow?
• Money – Will the effort enable the warfighter to reduce duplication of effort and to prepare and execute events at a more effective and efficient cost than current capabilities allow?
• Realism – Will the effort enable the warfighter to create an environment that is closer to what he/she will operate in during real world operations than current capabilities allow?
• Fidelity – Will the effort ensure unity of efforts throughout the IO/CYBER Community?