

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2014 Defense Advanced Research Projects Agency	DATE: April 2013
--	-------------------------

APPROPRIATION/BUDGET ACTIVITY					R-1 ITEM NOMENCLATURE							
0400: <i>Research, Development, Test & Evaluation, Defense-Wide</i> BA 6: <i>RDT&E Management Support</i>					PE 0305103E: <i>CYBER SECURITY INITIATIVE</i>							
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	-	3.471	1.801	0.000	-	0.000	0.000	0.000	0.000	0.000	Continuing	Continuing
CYB-01: <i>CYBER SECURITY INITIATIVE</i>	-	3.471	1.801	0.000	-	0.000	0.000	0.000	0.000	0.000	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 National Cyber Security Initiative will foster a revolution in the Nation's ability to protect and defend its cyber operations. DARPA's responsibility as part of the overall Cyber Security Initiative (CSI) is to create a cyber test range that will become a National resource for testing the resiliency of cyber programs in the face of hostile action. The Cyber Range will be capable of supporting multiple, simultaneous, segmented tests in realistically configured or simulated testbed environments.

B. Program Change Summary (\$ in Millions)	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total
Previous President's Budget	5.000	1.801	0.000	-	0.000
Current President's Budget	3.471	1.801	0.000	-	0.000
Total Adjustments	-1.529	0.000	0.000	-	0.000
• Congressional General Reductions	0.000	0.000			
• Congressional Directed Reductions	0.000	0.000			
• Congressional Rescissions	0.000	0.000			
• Congressional Adds	0.000	0.000			
• Congressional Directed Transfers	0.000	0.000			
• Reprogrammings	-1.529	0.000			
• SBIR/STTR Transfer	0.000	0.000			

Change Summary Explanation

FY 2012: Decrease reflects a DD 1415 transfer offset by an internal below threshold reprogramming.

C. Accomplishments/Planned Programs (\$ in Millions)	FY 2012	FY 2013	FY 2014
Title: Cyber Security Initiative	3.471	1.801	0.000
Description: The goal of the Cyber Security Initiative was to revolutionize the Nation's ability to conduct cyber operations by developing a persistent and cost-effective cyber testing environment. The National Cyber Range (NCR) program developed a network testbed that allows for research experimentation on diverse hardware and software topologies to produce qualitative and			

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2014 Defense Advanced Research Projects Agency		DATE: April 2013		
APPROPRIATION/BUDGET ACTIVITY 0400: <i>Research, Development, Test & Evaluation, Defense-Wide</i> BA 6: <i>RDT&E Management Support</i>		R-1 ITEM NOMENCLATURE PE 0305103E: <i>CYBER SECURITY INITIATIVE</i>		
C. Accomplishments/Planned Programs (\$ in Millions)		FY 2012	FY 2013	FY 2014
quantitative assessments of cyber security research and development programs through a safe, instrumented experimentation environment. The range is designed to replicate complex, heterogeneous networks. It will revolutionize cyber testing to enable efficient cyber experimentation and facilitate realistic testing of tools and techniques to enable high fidelity assessments of cyber tools and techniques and the rapid transition of research programs to operations. This program is available for leverage or use by all Federal Government organizations.				
FY 2012 Accomplishments: - Completed NCR prototype testing and cyber experimentation. - Continued to develop and test relevant technologies to improve the functionality of the NCR. - Initiated transition of the NCR to the Test Resource Management Center (TRMC).				
FY 2013 Plans: - Complete transition of the NCR to TRMC.				
Accomplishments/Planned Programs Subtotals		3.471	1.801	0.000
D. Other Program Funding Summary (\$ in Millions) N/A				
Remarks				
E. Acquisition Strategy N/A				
F. Performance Metrics Specific programmatic performance metrics are listed above in the program accomplishments and plans section.				