

**UNCLASSIFIED**

<b>Exhibit R-2, RDT&amp;E Budget Item Justification:</b> PB 2013 Defense Advanced Research Projects Agency	<b>DATE:</b> February 2012
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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 0305103E: *CYBER SECURITY INITIATIVE*

COST (\$ in Millions)	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	Cost To Complete	Total Cost
Total Program Element	9.949	5.000	1.801	-	1.801	-	-	-	-	Continuing	Continuing
CYB-01: <i>CYBER SECURITY INITIATIVE</i>	9.949	5.000	1.801	-	1.801	-	-	-	-	Continuing	Continuing
Quantity of RDT&E Articles											

**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 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total
Previous President's Budget	10.000	10.000	10.000	-	10.000
Current President's Budget	9.949	5.000	1.801	-	1.801
Total Adjustments	-0.051	-5.000	-8.199	-	-8.199
• Congressional General Reductions	-0.051	-			
• Congressional Directed Reductions	-	-5.000			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-			
• TotalOtherAdjustments	-	-	-8.199	-	-8.199

**Change Summary Explanation**

FY 2011: Decrease reflects reduction for the Section 8117 Economic Adjustment.

FY 2012: Decrease reflects reduction for execution delays.

FY 2013: Decrease reflects re-prioritization of the Comprehensive National Cyber Initiative.

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

	FY 2011	FY 2012	FY 2013
<b>Title:</b> Cyber Security Initiative	9.949	5.000	1.801
<b>Description:</b> The goal of the Cyber Security Initiative is 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 will develop			

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<b>APPROPRIATION/BUDGET ACTIVITY</b> 0400: <i>Research, Development, Test &amp; Evaluation, Defense-Wide</i> BA 6: <i>RDT&amp;E Management Support</i>		<b>R-1 ITEM NOMENCLATURE</b> PE 0305103E: <i>CYBER SECURITY INITIATIVE</i>		
<b>C. Accomplishments/Planned Programs (\$ in Millions)</b>		<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013</b>
a network testbed that will allow for research experimentation on diverse hardware and software topologies to produce qualitative and quantitative assessments of cyber security research and development programs through a safe, instrumented experimentation environment. The range will 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 will begin transition to the U.S. Cyber Command (USCYBERCOM) and will be available for leverage or use by all Federal Government organizations.				
<b>FY 2011 Accomplishments:</b> <ul style="list-style-type: none"> <li>- Completed NCR prototype development.</li> <li>- Initiated the development of a business model to operate the NCR prototype.</li> </ul>				
<b>FY 2012 Plans:</b> <ul style="list-style-type: none"> <li>- Commence NCR prototype testing and cyber experimentation.</li> <li>- Continue to develop and test relevant technologies to improve the functionality of the NCR.</li> <li>- Commence transition of NCR to USCYBERCOM.</li> </ul>				
<b>FY 2013 Plans:</b> <ul style="list-style-type: none"> <li>- Transition NCR technologies to government customers.</li> </ul>				
<b>Accomplishments/Planned Programs Subtotals</b>		9.949	5.000	1.801
<b>D. Other Program Funding Summary (\$ in Millions)</b>				
N/A				
<b>E. Acquisition Strategy</b>				
N/A				
<b>F. Performance Metrics</b>				
Specific programmatic performance metrics are listed above in the program accomplishments and plans section.				