

UNCLASSIFIED

Exhibit R-2, PB 2010 Defense Advanced Research Projects Agency RDT&E Budget Item Justification **DATE:** May 2009

APPROPRIATION/BUDGET ACTIVITY					R-1 ITEM NOMENCLATURE					
0400 - Research, Development, Test & Evaluation, Defense-Wide/BA 6 - RDT&E Management Support					PE 0305103E CYBER SECURITY INITIATIVE					
COST (\$ in Millions)	FY 2008 Actual	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate	FY 2012 Estimate	FY 2013 Estimate	FY 2014 Estimate	FY 2015 Estimate	Cost To Complete	Total Cost
Total Program Element	.000	49.865	50.000						Continuing	Continuing
CYB-01: CYBER SECURITY INITIATIVE	.000	49.865	50.000						Continuing	Continuing

A. Mission Description and Budget Item Justification

(U) The National Cyber Security Initiative will foster a revolution in the Nation's ability to protect and defend its cyber operations. DARPA's piece of the overall Cyber Security Initiative (CSI) will be 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)

	<u>FY 2008</u>	<u>FY 2009</u>	<u>FY 2010</u>	<u>FY 2011</u>
Previous President's Budget	.000	50.000	50.000	
Current BES/President's Budget	.000	49.865	50.000	
Total Adjustments	.000	-.135	.000	
Congressional Program Reductions	.000	-.135		
Congressional Rescissions	.000	.000		
Total Congressional Increases	.000	.000		
Total Reprogrammings	.000	.000		
SBIR/STTR Transfer	.000	.000		

Change Summary Explanation

FY 2009

Decrease reflects a reduction for Section 8101 Economic Assumptions.

UNCLASSIFIED

R-1 Line Item #163

Page 1 of 3

UNCLASSIFIED

Exhibit R-2a, PB 2010 Defense Advanced Research Projects Agency RDT&E Project Justification									DATE: May 2009	
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					PROJECT NUMBER CYB-01	
COST (\$ in Millions)	FY 2008 Actual	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate	FY 2012 Estimate	FY 2013 Estimate	FY 2014 Estimate	FY 2015 Estimate	Cost To Complete	Total Cost
CYB-01: CYBER SECURITY INITIATIVE	.000	49.865	50.000						Continuing	Continuing

A. Mission Description and Budget Item Justification

(U) The National Cyber Security Initiative will foster a revolution in the Nation's ability to protect and defend its cyber operations. DARPA's piece of the overall Cyber Security Initiative (CSI) will be 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. Accomplishments/Planned Program (\$ in Millions)

	FY 2008	FY 2009	FY 2010	FY 2011
<p>Cyber Security Initiative</p> <p>(U) The goal of the National Cyber Range (NCR) is to revolutionize the Nation's ability to conduct cyber operations by providing a persistent cyber testing environment. The National Cyber Range will produce qualitative and quantitative assessments of the security of various cyber technologies and scenarios. The National Cyber Range will provide a revolutionary, safe, instrumented environment for our national cyber security research organizations to test the security of information systems. The network environment will be able to replicate complex, large-scale, heterogeneous networks and users in current and future Department of Defense (DoD) weapon systems and operations. It will also enable multiple, independent, simultaneous experiments on the same infrastructure to enable realistic testing of Internet/ Global Information Grid (GIG) scale research, and develop and revolutionize the state-of-the-art in cyber testing.</p> <p><i>FY 2009 Plans:</i></p> <ul style="list-style-type: none"> - Develop detailed design specifications and concepts of operations. - Refine the specifications leading to prototype development. <p><i>FY 2010 Plans:</i></p> <ul style="list-style-type: none"> - Complete prototype development. - Expand the cyber range to full capability and begin transition effort. 	.000	49.865	50.000	

UNCLASSIFIED

R-1 Line Item #163

Page 2 of 3

UNCLASSIFIED

Exhibit R-2a, PB 2010 Defense Advanced Research Projects Agency RDT&E Project Justification		DATE: May 2009
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	PROJECT NUMBER CYB-01
C. Other Program Funding Summary (\$ in Millions) N/A		
D. Acquisition Strategy N/A		
E. Performance Metrics Specific programmatic performance metrics are listed above in the program accomplishments and plans section.		

UNCLASSIFIED

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED