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Exhibit R-2, RDT&E Budget Item Justification: PB 2012 Office of Secretary Of Defense									DATE: February 2011		
APPROPRIATION/BUDGET ACTIVITY 0400: Research, Development, Test & Evaluation, Defense-Wide BA 1: Basic Research				R-1 ITEM NOMENCLATURE PE 0601111D8Z: Government/Industry Co-sponsorship of University Research							
COST (\$ in Millions)	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	Cost To Complete	Total Cost
Total Program Element	3.961	-	-	-	-	-	-	-	-	Continuing	Continuing
P111: Government/Industry Co-sponsorship of University Research	3.961	-	-	-	-	-	-	-	-	Continuing	Continuing
Note											
The Department of Defense requested no funding for the Government/Industry Co-sponsorship of University Research (GICUR) in FY 2010 and outyears.											
A. Mission Description and Budget Item Justification											
The GICUR program was established as a mechanism to co-fund university research with industry. The Department has not requested funding since FY 2004. The GICUR program has since executed Congressional earmarks.											
In FY 2010, the GICUR program received three Congressional Adds. They are:											
• Integrated Cryo-cooled High Power Density Systems \$3.200 (Sponsor Sen Martinez (FL))											
• High Efficiency Solar Energy Generation and Storage \$0.800 (Sponsor Rep Jackson-Lee (TX))											
• Center for Research on Minority Health Prostate Cancer Outreach Project \$0.800 (Sponsor Rep Jackson-Lee (TX))											
B. Program Change Summary (\$ in Millions)				FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total			
Previous President's Budget				4.761	-	-	-	-			
Current President's Budget				3.961	-	-	-	-			
Total Adjustments				-0.800	-	-	-	-			
• Congressional General Reductions					-						
• Congressional Directed Reductions					-						
• Congressional Rescissions				-	-						
• Congressional Adds					-						
• Congressional Directed Transfers					-						
• Reprogrammings				-0.800	-						
• SBIR/STTR Transfer				-	-						
• Other Program Adjustments				-	-	-	-	-			
Congressional Add Details (\$ in Millions, and Includes General Reductions)									FY 2010	FY 2011	
Project: P111: Government/Industry Co-sponsorship of University Research											
Congressional Add: Integrated Cryo-cooled High Power Density Systems									3.175	-	

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Congressional Add Details (\$ in Millions, and Includes General Reductions)		FY 2010	FY 2011
Congressional Add: <i>High Efficiency Solar Energy Generation and Storage</i>		0.786	-
Congressional Add Subtotals for Project: P111		3.961	-
Congressional Add Totals for all Projects		3.961	-
Change Summary Explanation			
The Congressional Add for the Center for Research on Minority Health Prostate Cancer Outreach Project \$0.800 (Sponsor Rep Jackson-Lee (TX) was reprogrammed to the Army Medical Command / Defense Health Program PE 0603115 Medical Technology Development for proper execution.			

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Exhibit R-2A, RDT&E Project Justification: PB 2012 Office of Secretary Of Defense **DATE:** February 2011

APPROPRIATION/BUDGET ACTIVITY				R-1 ITEM NOMENCLATURE				PROJECT			
0400: <i>Research, Development, Test & Evaluation, Defense-Wide</i> BA 1: <i>Basic Research</i>				PE 0601111D8Z: <i>Government/Industry Co-sponsorship of University Research</i>				P111: <i>Government/Industry Co-sponsorship of University Research</i>			
COST (\$ in Millions)	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	Cost To Complete	Total Cost
P111: <i>Government/Industry Co-sponsorship of University Research</i>	3.961	-	-	-	-	-	-	-	-	Continuing	Continuing

A. Mission Description and Budget Item Justification

The Government/Industry Co-sponsorship of University Research (GICUR) program was established as a mechanism to co-fund university research with industry. The Department of Defense has not requested funding since FY 2004. The GICUR program has since executed Congressional earmarks.

In FY 2010, the GICUR program received three Congressional Adds. They are:

- Integrated Cryo-cooled High Power Density Systems \$3.200 (Sponsor Sen Martinez (FL))
- High Efficiency Solar Energy Generation and Storage \$0.800 (Sponsor Rep Jackson-Lee (TX))
- Center for Research on Minority Health Prostate Cancer Outreach Project \$0.800 (Sponsor Rep Jackson-Lee (TX))

The Congressional Add for the Center for Research on Minority Health Prostate Cancer Outreach Project \$0.800 was reprogrammed to the Army Medical Command / Defense Health Program PE 0603115 Medical Technology Development for proper execution.

B. Accomplishments/Planned Programs (\$ in Millions)

	FY 2010	FY 2011
<i>Congressional Add:</i> Integrated Cryo-cooled High Power Density Systems	3.175	-
<i>FY 2010 Accomplishments:</i> The objective of this multi-university program is to approach the goal of achieving cryo-cooled high power densities through systems management of heat generation and removal in the electrical system. The systems approach began with identifying the enabling technologies needed and will pursue research programs to advance those technologies. Congressionally directed funding was applied to continuing research activities in several areas: (1) Systems Analysis; (2) Materials – Conductors, Semi-conductors and Insulation; (3) Materials – Conductors, Semi-conductors and Insulation; and (4) System Components, such as conductors, motors, transformers, and power electronics operating at cryogenic temperatures.		
<i>Congressional Add:</i> High Efficiency Solar Energy Generation and Storage	0.786	-
<i>FY 2010 Accomplishments:</i> Congressional Add has not been executed. Purpose and intended recipient has not yet been identified.		
Congressional Adds Subtotals	3.961	-

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C. Other Program Funding Summary (\$ in Millions)

N/A

D. Acquisition Strategy

N/A

E. Performance Metrics

N/A

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