

Fiscal Year (FY) 2005 Budget Estimates Exhibit R-2, RDT&E Budget Item Justification							Date: February 2004	
Appropriation/Budget Activity RDT&E/Defense Wide BA#1				R-1 Item Nomenclature: Government/Industry/Co-Sponsorship of University Research PE 0601111D8Z				
Cost (\$ in millions)	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010
Total PE Cost	8.240	6.696	0.000	0.000	0.000	0.000	0.000	0.000

**A. Mission Description and Budget Item Justification:**

(U) Program is a shared commitment between industry and Government to sponsor next generation semiconductor electronics research via the Government/Industry Co-sponsorship of University Research (GICUR) program. It capitalizes on university-based research, education and training in technologies of strategic importance to national defense and also to industry. It provides an emphasis on ground-breaking research with a long-term horizon, and education and training in selected research areas which are vital to advancement of technologies. The commitment is a jointly formed pool of funding and a shared management structure for sponsoring this sort of long-term basic research at universities. This provides the military with leading-edge technologies as well as reduces vulnerabilities of industries involved, increases long-term technical growth in these areas, infuses new ideas and approaches, all of which are important for national security. Industry and government share responsibility for research focus area selection and overall direction. Mechanisms have been established for personnel exchange and interactions to provide for continuing education of highly qualified researchers already working in leading edge and emerging S&T. One of the areas emphasizes basic concepts for DoD needs in high frequency applications such as radars, millimeter/microwave communications and radiometry, with special attention to devices fabricated from compound semiconductors, such as gallium arsenide.

**Program ends in FY 2004.**