Coalition for National Security Research
FY 11 Funding Statement

The Coalition for National Security Research (CNSR) applauds the continued effort by the Department of Defense to increase investments in the 6.1 basic research accounts by $1 billion between Fiscal Year 2009 (FY 09) and FY 13, and urges Congress to provide at least a $200 million increase above the FY 10 appropriations level for these programs in FY 11 to meet this target. More broadly, CNSR urges Congress to provide sufficient funding to work towards the Pentagon's historical goal to invest three percent of the Department's total budget in the Defense S&T program – 6.1 basic research, 6.2 applied research, and 6.3 advanced technology development.

The Defense Science and Technology (S&T) program is the incubator for the next generation of battlefield technologies. The 6.1 basic research accounts support the long-term scientific discovery that provides the foundational knowledge for new technologies. The 6.2 applied research accounts refine discoveries by exploring and determining the operational parameters and practicality of the technology to military needs. The 6.3 advanced technology development accounts support the creation of larger-scale hardware and technology to be tested in realistic environments.

Investments in the Defense S&T program have yielded cutting edge technologies and innovations that have led to superiority on the battlefield, life-saving therapies for wounded soldiers and better quality of life for civilians. New sensor technologies help detect and neutralize threats on the battlefield from improvised explosive devices. Battlefield medical protocols and prosthetics have been revolutionized. Technologies once created solely for military use, such as the Internet and GPS, are now widely used around the globe. Companies specializing in these technologies are economic drivers across the nation. These investments are critical to our national security and underpin our economic vitality.

CNSR also urges Congress to provide sufficient funding for Defense S&T programs that play a critical role in cultivating the next generation of talented engineers and scientists. In addition to graduate research assistantships and postdoctoral fellowships that are supported by research grants, programs such as the National Defense Science and Engineering Graduate Fellowship Program and the National Defense Education Program – which includes the Science, Mathematics and Research for Transformation Scholarship, and the National Security Science and Engineering Faculty Fellowship Program – provide education and research opportunities that strengthen our nation's scientific and technical workforce.

Finally, CNSR notes the important role the Defense Advanced Research Projects Agency (DARPA) has played in funding high-risk research that has led to many of the extraordinary, historical technological advances of our day. CNSR urges Congress to increase funding for the agency to deal with both near term needs and the game-changing technologies of the future, and in particular, supports the proposed significant increased investment in 6.1 research.

We are cognizant of the current fiscal situation facing Congress and appreciate the desire to invest wisely. Spending on Defense S&T programs are investments in the innovative people, ideas, and technology that our nation needs to reinvigorate its national and economic security. We respectfully ask for full consideration of this request, which is consistent with the Pentagon's multi-year initiative and the recommendations of the National Academies' 2005 report *Rising Above the Gathering Storm*.

About CNSR

The Coalition for National Security Research (CNSR) is a broadly-based coalition of industry, research universities, and associations united by a commitment to a stronger Defense S&T base.

CNSR Membership

American Association of Engineering Societies

American Chemical Society

American Electronics Association

American Institute of Aeronautics and Astronautics

American Institute of Physics

American Mathematical Society

American Physical Society

American Psychological Association

American Society for Engineering Education

American Society of Mechanical Engineers

Association of American Universities

Association of Public and Land-grant Universities

California Institute of Technology

Carnegie Mellon University

Computing Research Association

Consortium for Oceanographic Research and Education

Cornell University

Council of Graduate Schools

Federation of Materials Societies

Federation of Behavioral, Psychological and Cognitive Sciences

Georgia Institute of Technology

Harvard University

The Institute of Electrical Engineers – United States of America

The Johns Hopkins, Applied Physics Laboratory

Joint Policy Board for Mathematics

Louisiana State University

Massachusetts Institute of Technology

Materials Research Society

Michigan State University

Microsoft

National Business Coalition for Federal Research

National Society of Professional Engineers

Ohio State University

Oklahoma State University

Optical Society of America

Penn State University

Princeton University

Rutgers, The State University of New Jersey

Society for Industrial and Applied Mathematics

SPIE - The International Society for Optical Engineering

Stanford University

Syracuse University

State University of New York - Stony Brook

The Coalition of EPSCoR States

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University of Houston

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