



Office of the Under Secretary of Defense for Research and Engineering

Research, Technology and Laboratories

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Technology and Laboratories

Office of the Under Secretary of
Defense for Research and
Engineering (OUSD(R&E))

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Secretary Austin's Priorities



DEFEND THE NATION

1. Defeat COVID-19
2. Prioritize China as the Pacing Challenge
3. Address Advanced and Persistent Threats
4. Innovate and Modernize the DoD
5. Tackle the Climate Crisis



TAKE CARE OF OUR PEOPLE

1. Grow our Talent
2. Build Resilience and Readiness
3. Ensure Accountable Leadership



SUCCEED THROUGH TEAMWORK

1. Join Forces with our Allies and Partners
2. Work in Partnership with Our Nation
3. Build Unity Within the DoD





DDRE(R&T) Mission



MISSION: Widen the Nation's technological lead by spearheading DoD's research and development portfolio; harnessing the creativity and ingenuity of the national security innovation base; and driving policy to ensure and protect DoD's innovation advantage.

- Foster the health of the Department's entire Science and Technology (S&T) portfolio
- Accelerate technology advancement by harnessing all of DoD's science, technology and innovation base (including academia, small business, and manufacturing industry)
- Advocate for the Department's S&T workforce and laboratory infrastructure
- Govern the Department's Federally Funded Research and Development Centers (FFRDC) and University Affiliated Research Centers (UARC)
- Shape the Department's critical technology protection policy
- Facilitate and coordinate S&T efforts with internal, interagency, and international partners

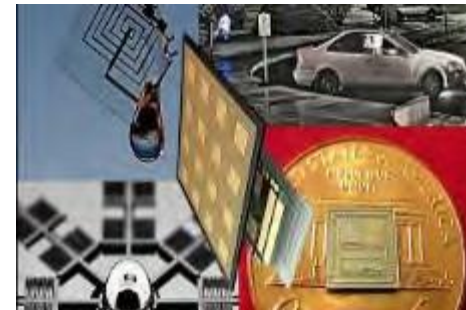




2021 R&T Priorities



- 1. Strengthen S&T Enterprise Competence:**
Develop and mature S&T workforce, infrastructure, and technical competencies
- 2. Lead Policy and Strategy Development:** Promote innovation that provides competitive advantage
- 3. Sustain a Capable S&T and Innovation Base:**
Ensure technological superiority
- 4. Strengthen Partnerships and Alliances:** Enhance collaboration to accelerate capability maturation
- 5. Proactive Engagement and Messaging:**
Partnerships with Congress, academia, industry, and allies





Defense-wide Research, Development, Test & Evaluation Funding



Note: This information is publicly available as part of the FY 2021 Defense Appropriations Act (Dollar in Thousands)

PE	PE Title	Enacted FY 2021
Basic Research Program Elements – Total Basic Research Funding: \$888,711		
0601000BR	DTRA University Strategic Partnership Basic Research	\$14,617
0601101E	Defense Research Sciences	\$475,958
0601110D8Z	Basic Research Initiative	\$75,565
0601117E	Basic Operational Medical Research Science	\$53,730
0601120D8Z	National Defense Education Program	\$137,241
0601228D8Z	Historically Black College Universities/Minority Institutions	\$81,300
0601384BP	Chemical and Biological Defense Program	\$50,300
Applied Research Program Elements – Total Applied Research Funding: \$1,957,568		
06020000D8Z	Joint Munitions Technology	\$24,409
0602115E	Biomedical Technology	\$107,568
0602230D8Z	Defense Technology Innovation	\$17,500



Defense-wide Research, Development, Test & Evaluation Funding cont'd



Note: This information is publicly available as part of the FY 2021 Defense Appropriations Act (Dollar in Thousands)

PE	PE Title	Enacted FY 2021
0602234D8Z	Lincoln Laboratory Research Program	\$41,080
0602251D8Z	Applied Research for Advancement S&T Priorities	\$53,400
0602303E	Information and Communications Technology	\$420,920
0602383E	Biological Warfare Defense	\$26,950
0602384BP	Chemical and Biological Defense Program	\$201,807
0602668D8Z	Cyber Security Research	\$25,255
0602702E	Tactical Technology	\$237,271
0602715E	Materials and Biological Technology	\$245,107
0602716E	Electronics Technology	\$322,693
0602718BR	Counter Weapons of Mass Destruction Applied Research	\$174,571
0602751D8Z	Software Engineering Institute	\$ 9,573
1160401BB	Special Operations Technology Development	\$49,464



National Defense Education Program and Science, Technology, Engineering, and Mathematics Portfolios



Federally Funded Research & Development Centers (FFRDC) & University Affiliated Research Centers (UARC)

Mission:

- Develop, establish, implement, and maintain policies and procedures for the guidance, management, oversight, and use of DoD FFRDCs and UARCs.
- Program Management oversight and guidance for 10 DoD-sponsored FFRDCs and 14 UARCs.

DoD Science, Technology, Engineering, and Mathematics (STEM)

Vision: A diverse and sustainable Science, Technology, Engineering, and Mathematics (STEM) talent pool ready to serve our Nation and evolve the Department of Defense's competitive edge.

Mission: Inspire, cultivate, and develop exceptional STEM talent through a continuum of opportunities to enrich our current and future Department of Defense workforce poised to tackle evolving defense technological challenges.

Small Business Innovation Research (SBIR)/ Small Business Technology Transfer (STTR)

Mission: Provides the DoD access to talent and expertise from the small and innovative business communities.

Historically Black College/University and Minority Serving Institutions (HBCU/MI) Program

Mission: Program increases the research and educational capacity of HBCUs/MIs, and fosters workforce diversity and entry of underrepresented minorities into STEM disciplines. The DoD HBCU/MI Program is authorized by 10 U.S.C. § 2362.

Defense Laboratories

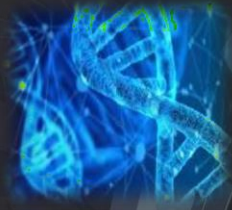
DoD laboratories engage in activities ranging from basic research to defense system acquisition support to direct operational support of deployed Warfighters.

Mission: Craft policy and provide the oversight necessary to both preserve current and develop future DoD's in-house laboratory capability, generating mission-critical innovations that increase the U.S. military advantage and enhances U.S. national security.



DoD Research and Engineering Enterprise

Creating the Technologies of the Future Fight



DoD Research and Engineering Enterprise

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