

# Department of Defense (DOD) Budget-Approps Chart

Agency/Account	Program Element (PE) (\$ in Thousands)	FY19 Enacted	FY20 PBR	FY20 HAC-D	FY20 SAC-D	FY20 Enacted	FY20 Enacted - FY19 Enacted	FY20 Enacted - FY20 PBR
	<b>DOD RDT&amp;E</b>	<b>\$94,896,708</b>	<b>\$102,647,545</b>	<b>\$100,691,612</b>	<b>\$104,282,139</b>	<b>\$104,431,232</b>	<b>10.0%</b>	<b>1.7%</b>
	<i>DOD 6.1 Basic Research</i>	<i>\$2,529,556</i>	<i>\$2,320,019</i>	<i>\$2,508,345</i>	<i>\$2,627,839</i>	<i>\$2,603,345</i>	<i>2.9%</i>	<i>12.2%</i>
	<i>DOD 6.2 Applied Research</i>	<i>\$6,068,244</i>	<i>\$5,317,204</i>	<i>\$5,556,120</i>	<i>\$5,975,570</i>	<i>\$6,069,765</i>	<i>0.0%</i>	<i>14.2%</i>
	<i>DOD 6.3 Advanced Technology Development</i>	<i>\$7,361,970</i>	<i>\$6,497,773</i>	<i>\$6,778,754</i>	<i>\$7,095,353</i>	<i>\$7,400,767</i>	<i>0.5%</i>	<i>13.9%</i>
	<i>DOD Science &amp; Technology (S&amp;T)</i>	<i>\$15,959,770</i>	<i>\$14,134,996</i>	<i>\$14,843,219</i>	<i>\$15,698,762</i>	<i>\$16,073,877</i>	<i>0.7%</i>	<i>13.7%</i>
<b>Army Basic Research Program Elements</b>								
Army RDT&E	Defense Research Sciences	\$315,912	\$297,976	\$323,480	\$391,976	\$354,480	12.2%	19.0%
Army RDT&E	University Research Initiatives	\$65,283	\$65,858	\$87,858	\$65,858	\$87,858	34.6%	33.4%
Army RDT&E	University and Industry Research Centers	\$114,115	\$86,164	\$111,164	\$114,164	\$127,164	11.4%	47.6%
Army RDT&E	Cyber Collaborative Research Alliance	N/A	\$4,982	\$4,982	\$4,982	\$4,982	N/A	0.0%
	<i>Army 6.1 Basic Research</i>	<i>\$506,895</i>	<i>\$454,980</i>	<i>\$527,484</i>	<i>\$576,980</i>	<i>\$574,484</i>	<i>13.3%</i>	<i>26.3%</i>
<b>Army Applied Research Program Elements</b>								
Army RDT&E	Lethality Technology	N/A	\$26,961	\$41,961	\$61,961	\$69,961	N/A	159.5%
Army RDT&E	Soldier Lethality Technology	N/A	\$115,274	\$123,900	\$137,774	\$145,900	N/A	26.6%
Army RDT&E	Ground Technology	N/A	\$35,199	\$51,399	\$137,699	\$146,399	N/A	315.9%
Army RDT&E	Next Generation Combat Vehicle Technology	N/A	\$219,047	\$246,047	\$245,047	\$263,547	N/A	20.3%
Army RDT&E	High Performance Computing Modernization	\$218,322	\$184,755	\$194,755	\$224,755	\$224,755	2.9%	21.7%
	<i>Army 6.2 Applied Research</i>	<i>\$1,579,344</i>	<i>\$893,990</i>	<i>\$1,033,816</i>	<i>\$1,202,248</i>	<i>\$1,259,374</i>	<i>-20.3%</i>	<i>40.9%</i>
	<i>Army 6.3 Advanced Technology Development</i>	<i>\$1,586,818</i>	<i>\$1,099,564</i>	<i>\$1,253,064</i>	<i>\$1,453,016</i>	<i>\$1,531,516</i>	<i>-3.5%</i>	<i>39.3%</i>
	<i>Army Science &amp; Technology (S&amp;T)</i>	<i>\$3,673,057</i>	<i>\$2,448,534</i>	<i>\$2,814,364</i>	<i>\$3,232,244</i>	<i>\$3,365,374</i>	<i>-8.4%</i>	<i>37.4%</i>
<b>Navy Basic Research Program Elements</b>								
Navy RDT&E	University Research Initiatives	\$161,433	\$116,850	\$151,850	\$137,850	\$167,850	4.0%	43.6%
Navy RDT&E	Defense Research Sciences	\$499,208	\$470,007	\$458,329	\$525,507	\$463,829	-7.1%	-1.3%
	<i>Navy 6.1 Basic Research</i>	<i>\$679,878</i>	<i>\$605,978</i>	<i>\$629,300</i>	<i>\$682,478</i>	<i>\$650,800</i>	<i>-4.3%</i>	<i>7.4%</i>
<b>Navy Applied Research Program Elements</b>								
Navy RDT&E	Marine Corps Land Force Technology	\$63,212	\$56,604	\$61,604	\$64,104	\$69,104	9.3%	22.1%
Navy RDT&E	Common Picture Applied Research	\$36,348	\$49,297	\$42,846	\$49,297	\$42,846	17.9%	-13.1%
Navy RDT&E	Warfighter Sustainment Applied Research	\$65,782	\$63,825	\$63,825	\$86,825	\$95,825	45.7%	50.1%
Navy RDT&E	Electromagnetic Systems Applied Research	\$76,623	\$83,497	\$83,497	\$88,497	\$88,497	15.5%	6.0%
Navy RDT&E	Ocean Warfighting Environmental Applied Research	\$89,998	\$63,894	\$78,894	\$82,082	\$82,582	-8.2%	29.2%
Navy RDT&E	Future Naval Capabilities Applied Research	\$137,701	\$154,755	\$150,572	\$156,195	\$152,012	10.4%	-1.8%
Navy RDT&E	Manufacturing Technology Program	\$58,657	\$60,138	\$60,138	\$65,138	\$65,138	11.0%	8.3%
Navy RDT&E	Advanced Undersea Prototyping	\$112,669	\$181,967	\$164,437	\$201,967	\$187,187	66.1%	2.9%
	<i>Navy 6.2 Applied Research</i>	<i>\$1,018,971</i>	<i>\$936,453</i>	<i>\$984,650</i>	<i>\$1,168,904</i>	<i>\$1,159,739</i>	<i>13.8%</i>	<i>23.8%</i>
	<i>Navy 6.3 Advanced Technology Development</i>	<i>\$852,820</i>	<i>\$742,210</i>	<i>\$756,173</i>	<i>\$780,610</i>	<i>\$807,280</i>	<i>-5.3%</i>	<i>8.8%</i>
	<i>Navy Science &amp; Technology (S&amp;T)</i>	<i>\$2,551,669</i>	<i>\$2,284,641</i>	<i>\$2,370,123</i>	<i>\$2,631,992</i>	<i>\$2,617,819</i>	<i>2.6%</i>	<i>14.6%</i>
<b>Air Force Basic Research Program Elements</b>								
Air Force RDT&E	Defense Research Sciences	\$383,322	\$356,107	\$356,107	\$406,107	\$356,107	-7.1%	0.0%
Air Force RDT&E	University Research Initiatives	\$164,991	\$158,859	\$178,859	\$158,859	\$178,859	8.4%	12.6%
Air Force RDT&E	High Energy Laser Research Initiatives	\$13,056	\$14,795	\$14,795	\$14,795	\$14,795	13.3%	0.0%
	<i>Air Force 6.1 Basic Research</i>	<i>\$561,369</i>	<i>\$529,761</i>	<i>\$549,761</i>	<i>\$579,761</i>	<i>\$549,761</i>	<i>-2.1%</i>	<i>3.8%</i>
<b>Air Force Applied Research Program Elements</b>								
Air Force RDT&E	Materials	\$181,373	\$128,851	\$145,851	\$210,351	\$215,851	19.0%	67.5%
Air Force RDT&E	Human Effectiveness Applied Research	\$119,018	\$131,795	\$131,795	\$134,795	\$134,795	13.3%	2.3%
Air Force RDT&E	Aerospace Sensors	\$171,534	\$202,912	\$211,912	\$214,912	\$219,912	28.2%	8.4%
Air Force RDT&E	Directed Energy Technology	\$141,898	\$124,379	\$124,379	\$124,379	\$124,379	-12.3%	0.0%
Air Force RDT&E	Dominant Information Sciences and Methods	\$185,420	\$181,562	\$186,562	\$211,062	\$216,062	16.5%	19.0%
Air Force RDT&E	High Energy Laser Research	\$43,359	\$44,221	\$44,221	\$44,221	\$48,221	11.2%	9.0%
	<i>Air Force 6.2 Applied Research</i>	<i>\$1,481,342</i>	<i>\$1,435,626</i>	<i>\$1,492,626</i>	<i>\$1,627,626</i>	<i>\$1,656,124</i>	<i>11.8%</i>	<i>15.4%</i>
	<i>Air Force 6.3 Advanced Technology Development</i>	<i>\$929,597</i>	<i>\$839,153</i>	<i>\$983,653</i>	<i>\$1,071,253</i>	<i>\$1,146,453</i>	<i>23.3%</i>	<i>36.6%</i>
	<i>Air Force Science &amp; Technology (S&amp;T)</i>	<i>\$2,972,308</i>	<i>\$2,804,540</i>	<i>\$3,026,040</i>	<i>\$3,278,640</i>	<i>\$3,352,338</i>	<i>12.8%</i>	<i>19.5%</i>
<b>Defense-Wide Basic Research Program Elements</b>								
Defense-Wide RDT&E	DTRA Basic Research Initiatives	\$37,023	\$26,000	\$26,000	\$26,000	\$26,000	-29.8%	0.0%
Defense-Wide RDT&E	Basic Research Initiatives	\$56,702	\$48,874	\$61,374	\$118,874	\$70,874	25.0%	45.0%

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Defense-Wide RDT&E	National Defense Education Program	\$135,919	\$92,074	\$142,074	\$100,074	\$144,074	6.0%	56.5%
	<i>Defense-Wide 6.1 Basic Research</i>	<i>\$781,414</i>	<i>\$729,300</i>	<i>\$801,800</i>	<i>\$788,620</i>	<i>\$828,300</i>	<i>6.0%</i>	<i>13.6%</i>
<b>Defense-Wide Applied Research Program Elements</b>								
Defense-Wide RDT&E	Cyber Security Research	\$14,969	\$15,118	\$25,118	\$15,118	\$25,118	67.8%	66.1%
Defense-Wide RDT&E	Defense-Wide Manufacturing S&T Program	\$174,887	\$96,397	\$156,397	\$223,397	\$197,397	12.9%	104.8%
Defense-Wide RDT&E	Engineering Science and Technology	\$19,415	\$19,376	\$19,376	\$19,376	\$19,376	-0.2%	0.0%
	<i>Defense-Wide 6.2 Applied Research</i>	<i>\$1,988,587</i>	<i>\$2,051,135</i>	<i>\$2,045,028</i>	<i>\$1,976,792</i>	<i>\$1,994,528</i>	<i>0.3%</i>	<i>-2.8%</i>
	<i>Defense-Wide 6.3 Advanced Technology Development</i>	<i>\$3,992,735</i>	<i>\$3,816,846</i>	<i>\$3,785,864</i>	<i>\$3,790,474</i>	<i>\$3,915,518</i>	<i>-1.9%</i>	<i>2.6%</i>
	<i>Defense-Wide Science &amp; Technology (S&amp;T)</i>	<i>\$6,762,736</i>	<i>\$6,597,281</i>	<i>\$6,632,692</i>	<i>\$6,555,886</i>	<i>\$6,738,346</i>	<i>-0.4%</i>	<i>2.1%</i>
<b>Defense-Wide DARPA</b>	<b>DARPA Total</b>	<b>\$3,432,189</b>	<b>\$3,556,221</b>	<b>\$3,527,921</b>	<b>\$3,363,175</b>	<b>\$3,458,321</b>	<b>0.8%</b>	<b>-2.8%</b>
<b>Medical Research Program Elements</b>								
Army RDT&E	Medical Technology	\$92,075	\$99,155	\$108,155	\$101,155	\$112,955	22.7%	13.9%
Army RDT&E	Medical Advanced Technology	\$101,496	\$42,030	\$81,030	\$52,030	\$83,030	-18.2%	97.5%
Army RDT&E	Medical Systems Advanced Development	\$39,284	\$31,175	\$36,975	\$36,175	\$36,975	-5.9%	18.6%
DHP RDT&E	Research, Development, Test and Evaluation Research	\$11,386	\$12,621	\$12,621	\$12,621	\$12,621	10.8%	0.0%
DHP RDT&E	Exploratory Development	\$75,010	\$84,266	\$84,266	\$84,266	\$84,266	12.3%	0.0%
DHP RDT&E	Undistributed Medical Research/Peer-Reviewed/CDMRPs	\$1,470,300	\$0	\$920,000	\$1,020,600	\$1,615,600	9.9%	N/A