Department of Defense (DOD) Budget-Approps Chart

Agency/Account Program Element Perf Parallel Prop									
DOD BITTALE DATE	A gency/Account	Program Element (PE) (\$ in Thousands)	FV19 Enacted	FY20 PBR	FY20 HAC-D	FY20 SAC-D	FV20 Enacted	FY20 Enacted -	FY20 Eancted -
DOD 0.1 Basic Research	Agency/Account	Trogram Element (TE) (\$\psi\$ in Thousands)	1 119 Emeteu	F1201BK	F 120 HAC-D	F120 SAC-D	r 120 Enacteu	FY19 Enacted	FY20 PBR
DOD 0.1 Basic Research		DOD DDT4 E	do 4 00 < 700	Ø102 < 47 5 45	\$100 CO1 C12	#104 202 120	#10.4.421.222	10.00/	1.70/
DOD 6.3. Advanced Technology CheVelpoment \$7,341,794 \$5,596,120 \$5,797,570 \$6,809,776 \$0.95 \$1.32 \$0.95 \$0.95 \$1.32 \$0.95 \$0.9							. , ,		
DOD 6.1 Advanced Technology Every \$15,09,770 \$15,09,773 \$15,09,773 \$15,000,751 \$15,000,7			. , ,				. , ,		
DOD Science & Technology (S&T)			1 - 1 - 1				1 - 7 7		
Amy BDT&E Defense Research Sciences \$315.912 \$297,976 \$322,480 \$391,976 \$354,480 \$12.2% \$19.0% Amy BDT&E University Research Interiors \$45.283 \$65.585 \$87.888 \$46.685 \$87.888 \$46.685 \$87.888 \$46.0% \$33.491 \$47.0%						. , ,			
Amy RDT&E Defence Research Sciences \$315,912 \$257,076 \$323,480 \$22.96 \$19.06	Army Basic Research Pr		φ13,737,770	φ14,134,220	ψ14,043,217	φ13,070,702	φ10,073,077	0.7 70	13.770
Army RDTRE			\$315.912	\$297 976	\$323,480	\$391 976	\$354 480	12.2%	19.0%
Army RDTRE						, , , , , , , , , , , , , , , , , , , ,			
Army RDT&E Cyber Collaborative Research Alliance Ni		· ·							
Army RDT&E Leftality Technology NA \$15,061 \$41,061 \$61,061 \$69,061 NA \$15,078	Army RDT&E								
Army BITRE Lethality Technology N/A \$26,961 \$41,961 \$60,961 \$69,961 \$69,961 \$60,400 \$145,000 \$60,400 \$115,274 \$125,900 \$137,779 \$145,900 \$60,400	ĺ	Army 6.1 Basic Research	\$506,895	\$454,980	\$527,484	\$576,980	\$574,484	13.3%	26.3%
Army RDT&E Soldier Lethinity Technology N/A \$115,274 \$123,900 \$137,774 \$145,900 N/A \$26.676	Army Applied Research	· · · · · · · · · · · · · · · · · · ·				,	, ,		
Amy RDTRE Ground Technology N/A \$35,199 \$137,699 \$142,599 \$145,	Army RDT&E	Lethality Technology	N/A	\$26,961	\$41,961	\$61,961	\$69,961	N/A	159.5%
Amy RDTRE Ground Technology N/A \$35,199 \$137,699 \$142,599 \$145,	Army RDT&E	Soldier Lethality Technology	N/A	\$115,274	\$123,900	\$137,774	\$145,900	N/A	26.6%
Army RDT&E High Performance Computing Modernization \$218.322 \$183.755 \$194.755 \$224.755 \$224.755 \$2.9% \$21.7%	Army RDT&E		N/A	\$35,199	\$51,399	\$137,699	\$146,399	N/A	315.9%
Army 6.2 Applied Research \$1.579.344 \$393.990 \$1.33.81.6 \$1.202.248 \$1.229.374 \$-20.376 \$40.9%		Next Generation Combat Vehicle Technology	N/A	\$219,047	\$246,047	\$245,047	\$263,547		20.3%
Army 6.3 Advanced Technology Development \$1,586,818 \$1,099,564 \$1,253,064 \$1,253,064 \$3,353,214 \$3,365,374 \$3,47.3% \$3,47.3% \$3,48.36 \$3,232,244 \$3,365,374 \$3,47.3% \$3,47.3% \$3,48.36 \$3,232,244 \$3,365,374 \$3,47.3% \$3,48.36 \$3,232,244 \$3,365,374 \$3,47.3% \$3,48.36 \$3,48.36 \$3,232,244 \$3,365,374 \$3,47.3% \$3,48.36 \$3,232,244 \$3,365,374 \$3,47.3% \$3,48.36 \$3,48.36 \$3,232,244 \$3,365,374 \$3,47.3% \$3,48.36 \$3,48.36 \$3,232,244 \$3,365,374 \$3,48.36 \$3,47.3% \$3,48.36 \$3,	Army RDT&E	High Performance Computing Modernization							
Navy Boire		Army 6.2 Applied Research	\$1,579,344	\$893,990	\$1,033,816	\$1,202,248	\$1,259,374	-20.3%	
Nav Basic Research Froeram Elements		Army 6.3 Advanced Technology Development	\$1,586,818						
Navy RDT&E University Research Initiatives \$161.433 \$116.850 \$151.850 \$137.850 \$167.850 \$4.05% Navy RDT&E Defense Research Selences \$499.08 \$679.878 \$605.978 \$629.00 \$682.478 \$650.800 \$-4.3% \$7.4% Navy Applied Research Program Elements \$679.878 \$605.978 \$629.00 \$682.478 \$650.800 \$-4.3% \$7.4% Navy Applied Research Program Elements \$679.878 \$605.978 \$629.00 \$682.478 \$650.800 \$-4.3% \$7.4% Navy RDT&E Marine Corps Land Force Technology \$63.212 \$56,604 \$64,104 \$69,104 \$9.3% \$22.1% Navy RDT&E Common Picture Applied Research \$365.482 \$49.297 \$42.846 \$49.297 \$42.846 \$17.9% \$1.35% Navy RDT&E Electromagnetic Systems Applied Research \$565.782 \$363.825 \$363.825 \$368.825 \$95.825 \$45.7% \$50.1% Navy RDT&E Defense Systems Applied Research \$59.998 \$363.834 \$78.894 \$82.082 \$82.582 \$82.882 Navy RDT&E Defense Systems Applied Research \$5137.701 \$154.755 \$150.572 \$156.095 \$152.012 \$10.4% \$-1.8% Navy RDT&E Manufacturing Technology Program \$58.667 \$60.138			\$3,673,057	\$2,448,534	\$2,814,364	\$3,232,244	\$3,365,374	-8.4%	37.4%
Navy RDT&E Defense Research Sciences \$499.208 \$470.007 \$458,329 \$525,507 \$463,829 .7.1% .1.3%									
Navy Applied Research Pogram Elements		·							
Navy Applied Research Program Elements	Navy RDT&E								
Navy RDT&E Marine Corps Land Force Technology \$63,212 \$56,604 \$61,604 \$64,104 \$69,104 \$3.% \$22.1% Navy RDT&E Common Picture Applied Research \$36,348 \$49,297 \$42,846 \$49.297			\$679,878	\$605,978	\$629,300	\$682,478	\$650,800	-4.3%	7.4%
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% \$50,17% Navy RDT&E Electromagnetic Systems Applied Research \$76,623 \$83,497 \$83,497 \$88,497 \$88,497 \$88,497 \$15,5% \$60,0% Navy RDT&E Ocean Warfighting Environmental Applied Research \$89,998 \$63,894 \$78,894 \$82,082 \$82,582 \$42,7% \$29,22% Navy RDT&E Future Naval Capabilities Applied Research \$137,701 \$154,755 \$150,572 \$156,195 \$152,012 \$10,4% \$1.85% Navy RDT&E Manufacturing Technology Program \$88,657 \$50,138 \$60,138 \$65,138 \$65,138 \$11,0% \$8.33% Navy RDT&E Advanced Undersea Prototyping \$112,669 \$181,967 \$164,437 \$201,967 \$187,187 \$66,194 \$2.39% Navy 6.2 Applied Research \$1,018,971 \$936,453 \$984,650 \$1,168,904 \$1,159,739 \$13.8% \$23.8% Navy 6.2 Applied Research \$3,223,220 \$742,210 \$756,173 \$3730,610 \$807,280 \$5.33% \$23.8% Navy Science & Technology (&T) \$2,251,669 \$2,234,641 \$2,370,123 \$2,631,992 \$2,617,819 \$2.66% \$14.66% Air Force Bort Enemes \$41,000 \$1,159,739 \$13.8% \$23.80 \$33.322 \$336,107 \$356,107 \$346,107 \$356,107 \$7.1% \$0.0% Air Force RDT&E University Research Initiatives \$164,991 \$158,859 \$178,859 \$178,859 \$178,859 \$178,859 \$178,859 \$178,859 \$178,859 \$178,859 \$178,859 \$178,859 \$178,859 \$178,950 \$14,795 \$									
Navy RDT&E Warfighter Sustainment Applied Research \$65,782 \$63,825 \$63,825 \$86,825 \$95,825 \$45,7% \$50,1%						1 - , -			
Navy RDT&E Electromagnetic Systems Applied Research \$76,623 \$83,497 \$83,497 \$88,497 \$88,497 \$15.5% 6.0%	-					1 . ,			
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% \$150,572 \$156,195 \$152,012 \$10.4% \$-1.8% \$150,572 \$156,195 \$152,012 \$10.4% \$-1.8% \$150,572 \$156,195 \$152,012 \$10.4% \$-1.8% \$150,572 \$156,195 \$152,012 \$10.4% \$-1.8% \$150,572 \$156,195 \$152,012 \$10.4% \$-1.8% \$150,572 \$156,195 \$152,012 \$10.4% \$-1.8% \$150,572 \$156,195 \$152,012 \$10.4% \$-1.8% \$150,572 \$156,195 \$152,012 \$10.4% \$1.6% \$150,572 \$156,195 \$152,012 \$10.4% \$1.6% \$150,572 \$156,195 \$152,012 \$10.4% \$1.6% \$150,572 \$156,195 \$152,012 \$10.4% \$1.6% \$150,572 \$156,195 \$152,012 \$10.4% \$1.6% \$150,572 \$156,195 \$152,012 \$10.4% \$1.6% \$150,572 \$156,195 \$152,012 \$10.4% \$1.6% \$150,572 \$156,195 \$152,012 \$10.4% \$1.6% \$150,572 \$156,195 \$152,012 \$10.4% \$1.6% \$150,572 \$156,195 \$152,012 \$156,195 \$152,012 \$156,195 \$152,012 \$156,195 \$152,012 \$156,195 \$152,012 \$156,195 \$152,012 \$156,195 \$152,012 \$156,195 \$152,012 \$156,195 \$152,012 \$156,195 \$152,012 \$156,195 \$152,012 \$156,195 \$152,012 \$156,195 \$152,012 \$156,195 \$152,012 \$156,195 \$152,015 \$156,195 \$152,015 \$156,195 \$152,015 \$156,195 \$152,015 \$156,195 \$156,1				1 ,	1 7	1 ,	1		
Navy RDT&E Manufacturing Technology Program \$58,657 \$60,138 \$65,138 \$65,138 \$11,066 \$8,396 \$112,669 \$112,679 \$									
Navy RDT&E Advanced Undersea Prototyping \$112,669 \$181,967 \$164,437 \$201,967 \$187,187 \$66.1% \$2.9%									
Navy 6.2 Applied Research									
Navy 6.3 Advanced Technology Development \$852,820 \$742,210 \$756,173 \$780,610 \$807,280 -5.3% 8.8%	Navy RDT&E								
Navy Science & Technology (S&T) \$2,551,669 \$2,284,641 \$2,370,123 \$2,631,992 \$2,617,819 2.6% 14.6%									
Air Force Basic Research Program Elements S383,322 \$356,107 \$356,107 \$356,107 \$356,107 \$7.1% 0.0% Air Force RDT&E Defense Research Sciences \$383,322 \$356,107 \$356,107 \$356,107 \$7.1% 0.0% Air Force RDT&E High Energy Laser Research Initiatives \$13,056 \$14,795									
Air Force RDT&E Defense Research Sciences \$383,322 \$356,107 \$356,107 \$356,107 \$356,107 \$-7.1% 0.0% Air Force RDT&E University Research Initiatives \$164,991 \$158,859 \$178,959 \$178,959	Air Force Resic Pessere	95 7	\$2,331,009	\$2,204,041	\$2,370,123	\$2,031,992	\$2,017,019	2.0%	14.0%
Air Force RDT&E University Research Initiatives \$164,991 \$158,859 \$178,859 \$178,859 \$178,859 \$1.0% \$1.0% Air Force RDT&E High Energy Laser Research Initiatives \$13,056 \$14,795 \$14,795 \$14,795 \$14,795 \$1.3.3% 0.0% \$2.0% \$3.056 \$14,795 \$1.0% \$3.0% \$3.0% \$3.00			\$383 322	\$356 107	\$356 107	\$406.107	\$356 107	-7 1%	0.0%
Air Force RDT&E High Energy Laser Research Initiatives \$13,056 \$14,795 \$14,795 \$14,795 \$13,3% 0.0% \$14,795 \$14,795 \$14,795 \$13,3% 0.0% \$14,795 \$14,795 \$14,795 \$14,795 \$14,795 \$13,3% 0.0% \$14,795 \$14,795 \$14,795 \$14,795 \$14,795 \$14,795 \$14,795 \$14,795 \$13,3% 0.0% \$14,795									
Air Force 6.1 Basic Research \$561,369 \$529,761 \$549,761 \$549,761 \$549,761 \$3.8% Air Force Applied Research Program Elements 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 \$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 \$124,379 \$124,379 \$124,379 \$124,379 \$124,379 \$124,379 \$124,379 \$124,379 \$124,379 \$124,379 \$124,379 \$124,379 \$124,379 \$124,379 \$124,379 \$124,012 \$49,221 \$44,237 \$44,221 \$44,221 \$49,221 \$44,221 \$44,221 \$44,221 \$44,221 \$44,221 \$48,221 \$11,656,124		,				,			
Air Force Applied Research Program Elements S181,373 \$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	I OICC REFIGE		1 - ,	, ,	, ,	, ,	. ,		
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 \$134,795 \$134,795 \$133,3% 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 \$124,37	Air Force Applied Resea		32,002		72.29,702		72.27,02		2.570
Air Force RDT&E Human Effectiveness Applied Research \$119,018 \$131,795 \$134,795 \$134,795 \$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% \$4.4% 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 \$49,221 \$48,221 \$11.2% \$9.0% Air Force 6.3 Advanced Technology Development \$929,597 \$839,153 \$983,653 \$1,071,253 \$1,146,453 \$23.3% \$16.6% Defense-Wide Basic Research Program Elements Defense-Wide RDT&E DTRA Basic Research Initiatives \$37,023 \$26,000 \$26,000 \$26,000 \$26,000 \$-29.8% \$0.0%			\$181,373	\$128,851	\$145,851	\$210,351	\$215,851	19.0%	67.5%
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,		Human Effectiveness Applied Research							
Air Force RDT&E Directed Energy Technology \$141,898 \$124,379 \$124,379 \$124,379 \$124,379 \$124,379 \$1.00% 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 \$49,221 \$48,221 \$11.2% 9.0% Air Force 6.2 Applied Research \$1,481,342 \$1,435,626 \$1,492,626 \$1,677,626 \$1,656,124 \$11.8% \$15.4% Air Force 6.3 Advanced Technology Development \$929,597 \$839,153 \$983,653 \$1,071,253 \$1,146,453 23.3% 36.6% Air Force Science & Technology (S&T) \$2,972,308 \$2,804,540 \$3,026,040 \$3,278,640 \$3,352,338 \$12.8% \$19.5% Defense-Wide Basic Research Program Elements Defense-Wide RDT&E DTRA Basic Research Initiatives \$37,023 \$26,000 \$26,000 \$26,000 \$26,000 \$-29.8% \$0.0%									
Air Force 6.2 Applied Research \$43,359 \$44,221 \$44,221 \$49,221 \$48,221 \$11.2% 9.0% Air Force 6.3 Advanced Technology Development \$929,597 \$839,153 \$983,653 \$1,071,253 \$1,146,453 23.3% 36.6% Air Force Science & Technology (S&T) \$2,972,308 \$2,804,540 \$3,026,040 \$3,278,640 \$3,352,338 12.8% 19.5% Defense-Wide Basic Research Program Elements Defense-Wide RDT&E DTRA Basic Research Initiatives \$337,023 \$26,000 \$26,000 \$26,000 \$26,000 \$-29.8% 0.0%									
Air Force 6.2 Applied Research \$1,481,342 \$1,435,626 \$1,492,626 \$1,627,626 \$1,656,124 \$11.8% \$15.4% \$1.485									19.0%
Air Force 6.2 Applied Research \$1,481,342 \$1,435,626 \$1,492,626 \$1,627,626 \$1,656,124 \$11.8% \$15.4% \$1,475,626 \$1,677,626	Air Force RDT&E								
Air Force 6.3 Advanced Technology Development \$929,597 \$839,153 \$983,653 \$1,071,253 \$1,146,453 23.3% 36.6% Air Force Science & Technology (S&T) \$2,972,308 \$2,804,540 \$3,026,040 \$3,278,640 \$3,352,338 12.8% 19.5% Defense-Wide Basic Research Program Elements Defense-Wide RDT&E DTRA Basic Research Initiatives \$37,023 \$26,000 \$26			\$1,481,342			\$1,627,626	\$1,656,124	11.8%	15.4%
Defense-Wide Basic Research Program Elements Defense-Wide RDT&E DTRA Basic Research Initiatives \$37,023 \$26,000 \$26,000 \$26,000 \$26,000 -29.8% 0.0%							\$1,146,453		36.6%
Defense-Wide RDT&E DTRA Basic Research Initiatives \$37,023 \$26,000 \$26,000 \$26,000 \$26,000 \$26,000 \$0.0%			\$2,972,308	\$2,804,540	\$3,026,040	\$3,278,640	\$3,352,338	12.8%	19.5%
	Defense-Wide Basic Res	earch Program Elements							
Defense-Wide RDT&E Basic Research Initiatives \$56,702 \$48,874 \$61,374 \$118,874 \$70,874 25.0% 45.0%	Defense-Wide RDT&E	DTRA Basic Research Initiatives			\$26,000	\$26,000	\$26,000		0.0%
	Defense-Wide RDT&E	Basic Research Initiatives	\$56,702	\$48,874	\$61,374	\$118,874	\$70,874	25.0%	45.0%

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 Eancted - FY20 PBR
Defense-Wide RDT&E	National Defense Education Program	\$135,919	\$92,074	\$142,074	\$100,074	\$144,074	6.0%	56.5%
	Defense-Wide 6.1 Basic Research	\$781,414	\$729,300	\$801,800	\$788,620	\$828,300	6.0%	13.6%
Defense-Wide Applied R	esearch Program Elements							
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%
	Defense-Wide 6.2 Applied Research	\$1,988,587	\$2,051,135	\$2,045,028	\$1,976,792	\$1,994,528	0.3%	-2.8%
	Defense-Wide 6.3 Advanced Technology Development	\$3,992,735	\$3,816,846	\$3,785,864	\$3,790,474	\$3,915,518	-1.9%	2.6%
	Defense-Wide Science & Technology (S&T)	\$6,762,736	\$6,597,281	\$6,632,692	\$6,555,886	\$6,738,346	-0.4%	2.1%
Defense-Wide DARPA	DARPA Total	\$3,432,189	\$3,556,221	\$3,527,921	\$3,363,175	\$3,458,321	0.8%	-2.8%
Medical Research Progr	am Elements							
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