

TABLE 6

Department of Defense, total obligational authority for research, development, test, and evaluation, by DOD budget activity: FYs 2017–19

(Millions of dollars and percent change)

Funding category and agency	Budget activity	2017 actual	2018 preliminary ^a	2019 proposed	2017–18 (% change)	2018–19 (% change)
RDT&E total budget authority	--	74,128	74,853	92,633	1.0	23.8
R&D budget authority within RDT&E accounts ^b	--	47,868	52,613	56,978	9.9	8.3
RDT&E total obligational authority ^{c,d}	--	74,817	74,592	92,365	-0.3	23.8
Basic research		2,198	2,229	2,269	1.4	1.8
Defense agencies		654	697	708	6.6	1.5
Department of the Air Force	1	522	505	518	-3.1	2.5
Department of the Army		473	430	446	-9.1	3.7
Department of the Navy		549	596	597	8.5	0.2
Applied research		5,125	4,973	5,100	-3.0	2.6
Defense agencies		1,660	1,914	1,977	15.3	3.3
Department of the Air Force	2	1,314	1,284	1,312	-2.3	2.2
Department of the Army		1,196	889	920	-25.7	3.4
Department of the Navy		955	886	891	-7.2	0.6
Advanced technology development		6,072	6,039	6,331	-0.5	4.8
Defense agencies		3,117	3,476	3,738	11.5	7.5
Department of the Air Force	3	792	794	815	0.2	2.6
Department of the Army		1,351	1,083	1,027	-19.8	-5.2
Department of the Navy		811	686	751	-15.4	9.4
Advanced component development and prototypes		15,593	18,547	21,181	18.9	14.2
Defense agencies		7,639	8,667	8,952	13.5	3.3
Department of the Air Force	4	2,823	4,709	6,543	66.8	39.0
Department of the Army		620	918	1,358	48.0	48.0
Department of the Navy		4,511	4,253	4,327	-5.7	1.7
System development and demonstration		13,035	14,734	15,577	13.0	5.7
Defense agencies		621	819	831	31.9	1.5
Department of the Air Force	5	3,983	4,477	5,272	12.4	17.8
Department of the Army		2,503	3,071	3,430	22.7	11.7
Department of the Navy		5,928	6,368	6,044	7.4	-5.1
RDT&E management support		5,845	6,091	6,521	4.2	7.0
Defense agencies		1,273	1,041	1,117	-18.2	7.4
Department of the Air Force	6	1,691	2,664	2,840	57.5	6.6
Department of the Army		1,413	1,254	1,322	-11.3	5.5
Department of the Navy		1,279	946	1,021	-26.1	7.9
Operational test and evaluation		189	187	221	-0.7	17.9
Operational system development		26,950	32,050	35,387	18.9	10.4
Defense agencies		4,579	5,113	5,193	11.7	1.6
Department of the Air Force	7	17,257	20,873	23,193	21.0	11.1
Department of the Army		1,296	1,921	1,982	48.2	3.2
Department of the Navy		3,818	4,143	5,018	8.5	21.1
Adjustment for undistributed budget authority ^e	--	na	-10,071	na	na	na
Adjustment for RDT&E budget authority ^f	--	-689	261	268	na	na

na = not applicable.

DOD = Department of Defense; RDT&E = research, development, test, and evaluation.

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^a The FY 2018 data are official estimates reflecting continuing resolution funding for FY 2018 and not the enacted omnibus spending bill for that year (Consolidated Appropriations Act, 2018, signed 23 March 2018). Most federal agencies did not prepare R&D estimates for FY 2018 based on the final spending figures in the omnibus.

^b Totals for development spending across all years do not include DOD Budget Activity 7 (Operational System Development) due to changes in the definition of development. These funds support the development efforts to upgrade systems that have been fielded or have received approval for full-rate production and anticipate production funding in the current or subsequent fiscal year.

^c RDT&E budget activity codes are broad categories reflecting different types of RDT&E efforts, as specified in DOD Financial Management Regulation.

^d While not reflected in the data displayed above, DOD R&D accounts within RDT&E received an approximately 18% increase in the FY 2018 omnibus.

^e "Undistributed budget authority" adjustment brings RDT&E funding figures into alignment with overall continuing resolution spending levels.

^f Detailed budget information on DOD RDT&E activities is available only in total obligational authority (TOA), which is the sum of new budget authority, unobligated budget authority from previous years, and other authorized credits. The adjustment converts TOA to budget authority by subtracting unobligated budget authority from previous years and other authorized credits from TOA.

Note(s)

Detail may not add to total because of rounding. Percent change is calculated on unrounded data.

Source(s)

Agencies' submissions to the Office of Management and Budget (OMB) per MAX Schedule C, agencies' budget justification documents, supplemental data obtained from agencies' budget offices, and Executive Office of the President, OMB, Budget of the United States Government, Fiscal Year 2019, U.S. Government Printing Office (2018).