

TABLE 5

Federal budget authority for National defense (050) R&D and R&D plant: FYs 2017–19

(Millions of dollars and percent change)

Budget function and agency	2017 actual	2018 preliminary ^a	2019 proposed	2017–18 (% change)	2018–19 (% change)
R&D and R&D plant	57,530	61,088	66,027	6.2	8.1
Department of Defense, military (051) ^b	51,062	54,623	59,085	7.0	8.2
R&D within RDT&E accounts ^c	47,868	52,613	56,978	9.9	8.3
Defense agencies	14,964	16,614	17,324	11.0	4.3
Defense Advanced Research Projects Agency	2,888	3,170	3,439	9.8	8.5
Missile Defense Agency	6,201	6,798	6,777	9.6	-0.3
Other defense agencies	5,875	6,645	7,108	13.1	7.0
Department of the Air Force	11,125	14,433	17,300	29.7	19.9
Department of the Army	7,556	7,644	8,502	1.2	11.2
Department of the Navy	14,034	13,735	13,631	-2.1	-0.8
Operational Test and Evaluation	189	187	221	-0.9	17.9
Other military funding ^d	3,194	2,010	2,107	-37.1	4.8
Department of Energy, atomic energy defense activities (053) ^e	6,460	6,454	6,889	-0.1	6.7
Defense environmental cleanup	28	28	28	0.0	0.0
Naval reactors development	1,420	1,410	1,789	-0.7	26.9
Nonproliferation	312	316	326	1.3	3.2
Weapons activities	4,700	4,700	4,746	0.0	1.0
Department of Justice, Federal Bureau of Investigation (054)	2	5	5	150.0	0.0
Department of Homeland Security, National Protection and Programs Directorate (054)	6	6	48	0.0	700.0
R&D	57,055	60,775	65,329	6.5	7.5
Department of Defense, military (051) ^b	50,907	54,623	59,032	7.3	8.1
R&D within RDT&E accounts ^c	47,868	52,613	56,978	9.9	8.3
Defense agencies	14,964	16,614	17,324	11.0	4.3
Defense Advanced Research Projects Agency	2,888	3,170	3,439	9.8	8.5
Missile Defense Agency	6,201	6,798	6,777	9.6	-0.3
Other defense agencies	5,875	6,645	7,108	13.1	7.0
Department of the Air Force	11,125	14,433	17,300	29.7	19.9
Department of the Army	7,556	7,644	8,502	1.2	11.2
Department of the Navy	14,034	13,735	13,631	-2.1	-0.8
Operational Test and Evaluation	189	187	221	-0.9	17.9
Other military funding ^d	3,039	2,010	2,054	-33.9	2.2
Department of Energy, atomic energy defense activities (053) ^e	6,140	6,141	6,244	0.0	1.7
Defense environmental cleanup	28	28	28	0.0	0.0
Naval reactors development	1,235	1,232	1,406	-0.2	14.1
Nonproliferation	312	316	325	1.3	2.8
Weapons activities	4,565	4,565	4,485	0.0	-1.8
Department of Justice, Federal Bureau of Investigation (054)	2	5	5	150.0	0.0
Department of Homeland Security, National Protection and Programs Directorate (054)	6	6	48	0.0	700.0

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 While not reflected in the data displayed above, the Department of Defense (DOD) R&D accounts received an approximately 18% increase in the FY 2018 omnibus.

^c 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.

^d This item includes appropriate personnel costs in direct support of conduct of R&D, other appropriations funding certain DOD programs, and medical research funded outside RDT&E accounts.

^e While not reflected in the data displayed above, most Department of Energy atomic energy defense R&D accounts received increases of 10% or more in the FY 2018 omnibus.

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 per MAX Schedule C, agencies' budget justification documents, and supplemental data obtained from agencies' budget offices.