

TABLE 5

Federal budget authority for National defense (050) R&D and R&D plant: FYs 2018–20

(Millions of dollars and percent change)

Budget function and agency	2018 actual	2019 preliminary	2020 proposed	2018–19 (% change)	2019–20 (% change)
R&D and R&D plant	68,916	70,587	75,421	2.4	6.8
Department of Defense, military (051)	61,766	63,651	67,655	3.1	6.3
R&D within RDT&E accounts ^a	58,377	60,393	65,609	3.5	8.6
Defense agencies	18,613	18,799	18,705	1.0	-0.5
Defense Advanced Research Projects Agency	3,089	3,427	3,556	11.0	3.8
Missile Defense Agency	7,749	7,249	7,370	-6.5	1.7
Other defense agencies	7,774	8,123	7,779	4.5	-4.2
Department of the Air Force	15,635	18,026	21,131	15.3	17.2
Department of the Army	9,803	9,580	10,345	-2.3	8.0
Department of the Navy	14,118	13,611	15,207	-3.6	11.7
Operational Test and Evaluation	209	377	221	80.7	-41.3
Other military funding ^b	3,389	3,257	2,046	-3.9	-37.2
Department of Energy, atomic energy defense activities (053)	7,131	6,902	7,713	-3.2	11.8
Defense environmental cleanup	38	28	13	-26.3	-53.6
Naval reactors development	1,420	1,530	1,474	7.8	-3.7
Nonproliferation	349	363	354	4.2	-2.5
Weapons activities	5,325	4,980	5,872	-6.5	17.9
Department of Justice, Federal Bureau of Investigation (054)	3	21	22	600.0	4.8
Department of Homeland Security, Cybersecurity and Infrastructure Security Agency (054) ^c	15	13	31	-13.2	132.5
R&D	68,325	69,899	74,743	2.3	6.9
Department of Defense, military (051)	61,728	63,629	67,655	3.1	6.3
R&D within RDT&E accounts ^a	58,377	60,393	65,609	3.5	8.6
Defense agencies	18,613	18,799	18,705	1.0	-0.5
Defense Advanced Research Projects Agency	3,089	3,427	3,556	11.0	3.8
Missile Defense Agency	7,749	7,249	7,370	-6.5	1.7
Other defense agencies	7,774	8,123	7,779	4.5	-4.2
Department of the Air Force	15,635	18,026	21,131	15.3	17.2
Department of the Army	9,803	9,580	10,345	-2.3	8.0
Department of the Navy	14,118	13,611	15,207	-3.6	11.7
Operational Test and Evaluation	209	377	221	80.7	-41.3
Other military funding ^b	3,351	3,235	2,046	-3.5	-36.8
Department of Energy, atomic energy defense activities (053)	6,578	6,236	7,035	-5.2	12.8
Defense environmental cleanup	38	28	13	-26.3	-53.6
Naval reactors development	1,206	1,226	1,187	1.7	-3.2
Nonproliferation	349	363	354	4.2	-2.5
Weapons activities	4,986	4,619	5,481	-7.4	18.7
Department of Justice, Federal Bureau of Investigation (054)	3	21	22	600.0	4.8
Department of Homeland Security, Cybersecurity and Infrastructure Security Agency (054) ^c	15	13	31	-13.2	132.5

RDT&E = research, development, test, and evaluation.

^a Totals for development spending across all years do not include Department of Defense (DOD) Budget Activity 7 (Operational Systems Development) due to implementation of the narrowed definition of development described by the Office of Management and Budget (OMB) in its Circular A-11 of July 2016. 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.

^b This item includes appropriate personnel costs in direct support of conduct of R&D, other appropriations funding certain DOD programs, and medical

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research funded outside RDT&E accounts.

^c Formerly the National Protection and Programs Directorate.

Note(s)

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

Source(s)

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