

TABLE 6

**Department of Defense, total obligational authority for research, development, test, and evaluation, by DOD budget activity: FYs 2019–21**

(Millions of dollars and percent change)

Funding category and agency	Budget activity	2019 actual	2020 preliminary	2021 proposed	2019–20 (% change)	2020–21 (% change)
RDT&E total budget authority	--	95,489	104,718	106,437	9.7	1.6
R&D budget authority within RDT&E accounts <sup>a</sup>	--	61,292	67,264	66,052	9.7	-1.8
RDT&E total obligational authority <sup>b</sup>	--	96,206	105,396	106,555	9.6	1.1
Basic research		2,476	2,603	2,319	5.2	-10.9
Defense agencies		777	828	760	6.6	-8.2
Department of the Air Force	1	545	550	492	0.8	-10.5
Space Force		na	na	0	--	--
Department of the Army		491	574	463	16.9	-19.3
Department of the Navy		662	651	603	-1.7	-7.3
Applied research		5,912	6,071	5,397	2.7	-11.1
Defense agencies		1,874	1,996	1,980	6.5	-0.8
Department of the Air Force	2	1,482	1,656	1,410	11.7	-14.9
Space Force		na	na	131	--	--
Department of the Army		1,554	1,259	923	-18.9	-26.7
Department of the Navy		1,002	1,160	953	15.7	-17.8
Advanced technology development		6,929	7,387	6,355	6.6	-14.0
Defense agencies		3,660	3,982	3,612	8.8	-9.3
Department of the Air Force	3	876	1,066	779	21.7	-27.0
Space Force		na	na	0	--	--
Department of the Army		1,562	1,532	1,204	-1.9	-21.4
Department of the Navy		831	807	760	-2.9	-5.8
Advanced component development and prototypes		21,454	27,207	28,468	26.8	4.6
Defense agencies		9,821	10,562	9,437	7.5	-10.7
Department of the Air Force	4	6,386	8,289	7,738	29.8	-6.7
Space Force		na	na	1,311	--	--
Department of the Army		1,214	2,987	3,424	146.1	14.6
Department of the Navy		4,033	5,369	6,558	33.1	22.2
System development and demonstration		15,447	16,778	16,526	8.6	-1.5
Defense agencies		1,109	884	604	-20.3	-31.7
Department of the Air Force	5	5,377	6,691	2,615	24.4	-60.9
Space Force		na	na	3,744	--	--
Department of the Army		3,120	3,090	3,298	-0.9	6.7
Department of the Navy		5,841	6,114	6,265	4.7	2.5
RDT&E management support		9,074	7,217	6,987	-20.5	-3.2
Defense agencies		1,780	1,611	1,297	-9.5	-19.5
Department of the Air Force		3,770	2,878	2,891	-23.7	0.5
Space Force	6	na	na	259	--	--
Department of the Army		1,710	1,370	1,338	-19.9	-2.3
Department of the Navy		1,438	1,130	991	-21.4	-12.3
Operational test and evaluation		377	228	210	-39.6	-7.7
Operational system development		34,915	38,132	40,504	9.2	6.2
Defense agencies		5,280	6,469	6,673	22.5	3.2
Department of the Air Force	7	22,983	24,565	21,472	6.9	-12.6
Space Force		na	na	4,883	--	--
Department of the Army		1,721	1,878	2,120	9.1	12.9
Department of the Navy		4,931	5,220	5,355	5.8	2.6
Adjustment for RDT&E budget authority <sup>c</sup>	--	-717	-678	-118	na	na

na = not applicable.

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

<sup>a</sup> Totals for development spending across all years do not include DOD Budget Activity 7 (BA-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 BA-7 funds support 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.

<sup>b</sup> RDT&E budget activity codes are broad categories reflecting different types of RDT&E efforts, as specified in the DOD Financial Management Regulation.

<sup>c</sup> 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 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 2021*, U.S. Government Printing Office (2020).