

TABLE 6

Department of Defense, total obligational authority for research, development, test, and evaluation, by DOD budget activity: FYs 2021–23

(Millions of dollars and percent change)

Funding category and agency	Budget activity	2021 actual	2022 preliminary ^a	2023 proposed	2021–22 (% change)	2022–23 (% change)
RDT&E total budget authority	--	107,133	119,225	131,815	11.3	10.6
R&D budget authority within RDT&E accounts ^b	--	68,443	73,248	82,332	7.0	12.4
RDT&E total obligational authority ^c	--	106,545	116,710	128,312	9.5	9.9
Basic research		2,528	2,283	2,376	-9.7	4.1
Defense agencies		850	717	773	-15.6	7.8
Department of the Air Force		496	491	547	-1.0	11.4
Space Force		0	0	0	--	--
Department of the Army		553	473	467	-14.5	-1.3
Department of the Navy	1	629	602	589	-4.3	-2.2
Applied research		6,323	5,508	5,792	-12.9	5.2
Defense agencies		1,872	2,130	2,386	13.8	12.0
Department of the Air Force		1,580	1,312	1,306	-17.0	-0.5
Space Force		214	176	244	-17.8	38.6
Department of the Army		1,518	914	884	-39.8	-3.3
Department of the Navy	2	1,139	976	972	-14.3	-0.4
Advanced technology development		7,516	9,221	8,288	22.7	-10.1
Defense agencies		3,825	4,800	4,638	25.5	-3.4
Department of the Air Force		929	969	827	12.5	-36.5
Space Force		0	289	564	--	95.5
Department of the Army		1,949	2,192	1,392	12.5	-36.5
Department of the Navy	3	812	972	866	19.7	-10.9
Advanced component development and prototypes		27,357	32,796	34,197	19.9	4.3
Defense agencies		9,924	10,754	10,757	8.4	0.0
Department of the Air Force		7,193	9,743	7,945	35.5	-18.5
Space Force		1,336	1,599	2,992	19.7	87.1
Department of the Army		3,589	3,818	4,098	6.4	7.3
Department of the Navy	4	5,315	6,882	8,405	29.5	22.1
System development and demonstration		15,335	15,081	23,427	-1.7	55.3
Defense agencies		715	559	1,014	-21.8	81.4
Department of the Air Force		2,266	2,525	6,439	11.4	155.0
Space Force		3,639	3,168	5,336	-12.9	68.4
Department of the Army		2,980	3,254	4,031	9.2	23.9
Department of the Navy	5	5,735	5,575	6,607	-2.8	18.5
RDT&E management support		9,384	8,359	8,252	-10.9	-1.3
Defense agencies		1,753	1,960	1,830	11.8	-6.6
Department of the Air Force		3,535	3,038	3,034	-14.1	-0.1
Space Force		538	471	425	-12.5	-9.8
Department of the Army		1,832	1,554	1,554	-15.2	0.0
Department of the Navy		1,469	1,078	1,132	-26.6	5.0
Operational test and evaluation	6	257	258	277	0.4	7.4
Operational system development		38,102	43,462	45,980	14.1	5.8
Defense agencies		6,707	7,446	10,115	11.0	35.8
Department of the Air Force		20,023	23,240	23,091	16.1	-0.6
Space Force		4,625	5,680	6,103	22.8	7.4
Department of the Army		1,720	1,466	1,188	-14.8	-19.0
Department of the Navy	7	5,027	5,630	5,483	12.0	-2.6

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Adjustment for RDT&E budget authority ^d	--	588	2,515	3,503	na	na

na = not applicable.

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

^a The preliminary data available from the agencies for FY 2022 at the time of this report reflect mainly the continuing resolution funding levels that existed through mid-March 2022 and not yet those of the finalized appropriations enacted shortly thereafter.

^b 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.

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

^d 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 2023*.