

**Table 3****Department of Defense obligations for research, development, test, and evaluation, by agency: 2015–18**

(Millions of current dollars)

Agency	2015	2016	2017	2018
Department of Defense				
RDT&E	61,513.5	69,306.1	70,866.1	83,725.0
Total research	6,691.5	7,152.0	7,178.0	7,652.7
Basic research	2,133.4	2,238.7	2,110.1	2,389.9
Applied research	4,558.1	4,913.3	5,068.0	5,262.8
Total experimental development <sup>a</sup>	NA	37,596.6	37,694.6	45,320.5
Advanced technology	5,173.3	5,467.2	5,707.6	6,367.4
Major systems	49,648.8	32,129.3	31,987.0	38,953.1
Total operational system development <sup>b</sup>	NA	24,557.5	25,993.5	30,751.7
Defense Advanced Research Projects Agency				
RDT&E	2,815.6	2,933.4	2,894.5	3,018.2
Total research	1,485.0	1,535.9	1,509.4	1,680.0
Basic research	359.8	378.1	391.2	458.4
Applied research	1,125.2	1,157.9	1,118.1	1,221.6
Total experimental development <sup>a</sup>	NA	1,397.5	1,385.2	1,338.2
Advanced technology	1,187.8	1,234.4	1,194.1	1,160.9
Major systems	142.9	163.1	191.1	177.3
Total operational system development <sup>b</sup>	NA	0.0	0.0	0.0
Department of the Air Force				
RDT&E	22,320.1	24,953.5	26,236.6	32,225.1
Total research	1,609.2	1,762.5	1,713.3	1,904.8
Basic research	501.4	522.3	469.3	564.1
Applied research	1,107.8	1,240.2	1,244.0	1,340.7
Total experimental development <sup>a</sup>	NA	5,559.1	6,386.2	9,297.9
Advanced technology	634.8	666.8	738.7	818.4
Major systems	20,076.2	4,892.3	5,647.4	8,479.5
Total operational system development <sup>b</sup>	NA	17,632.0	18,137.1	21,022.3
Department of the Army				
RDT&E	6,764.3	7,490.5	8,856.0	10,653.2
Total research	1,390.5	1,522.2	1,683.6	1,689.1
Basic research	448.9	461.8	450.4	471.9
Applied research	941.6	1,060.4	1,233.2	1,217.2
Total experimental development <sup>a</sup>	NA	4,850.0	5,847.2	6,892.2
Advanced technology	1,077.9	1,012.1	1,224.9	1,400.2
Major systems	4,295.8	3,837.9	4,622.3	5,491.9
Total operational system development <sup>b</sup>	NA	1,118.3	1,325.2	2,071.9
Department of the Navy				
RDT&E	15,489.6	17,947.7	17,428.2	18,008.4
Total research	1,465.1	1,560.5	1,539.8	1,549.4
Basic research	620.4	636.9	569.2	596.1
Applied research	844.7	923.6	970.6	953.3
Total experimental development <sup>a</sup>	NA	15,083.9	13,696.2	13,896.8
Advanced technology	612.8	693.6	862.4	809.6
Major systems	13,411.7	14,390.3	12,833.8	13,087.2
Total operational system development <sup>b</sup>	NA	1,303.4	2,192.2	2,562.2
Other defense agencies				
RDT&E	14,123.9	15,980.9	15,450.8	19,820.1
Total research	741.8	771.0	732.1	829.4
Basic research	202.9	239.8	230.0	299.3

**Table 3****Department of Defense obligations for research, development, test, and evaluation, by agency: 2015–18**

(Millions of current dollars)

Agency	2015	2016	2017	2018
Applied research	538.9	531.2	502.1	530.1
Total experimental development <sup>a</sup>	NA	10,706.1	10,379.8	13,895.5
Advanced technology	1,660.0	1,860.4	1,687.4	2,178.2
Major systems	11,722.1	8,845.7	8,692.4	11,717.2
Total operational system development <sup>b</sup>	NA	4,503.8	4,339.0	5,095.2

NA = not available.

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

<sup>a</sup> Department of Defense (DOD) development obligations have been reported in two categories, advanced technology and major systems, since volume 44 (FYs 1994–96). As of volume 66 (FYs 2016–17), the definition of major systems development was changed to represent DOD Budget Activities 4–6 instead of Budget Activities 4–7.

<sup>b</sup> Funding for DOD's Budget Activity 7 (operational system development) was first reported as a separate category for volume 66.

**Note(s):**

Because of rounding, detail may not add to total.

**Source(s):**

National Center for Science and Engineering Statistics, Survey of Federal Funds for Research and Development.