

APPENDIX  
**B**

## Reconciling CBO's and DoD's Five-Year Tallies of Funding and Personnel

**T**his appendix shows how the personnel numbers (see Table B-1) and costs (see Table B-2) for each type of major combat unit, as estimated by the Congressional Budget Office, sum to the totals for the Department of Defense's operation and support budget and military

personnel reported in DoD's 2017 Future Years Defense Program. Supplemental data for Table B-1 and Table B-2 are available on CBO's website ([www.cbo.gov/publication/51535](http://www.cbo.gov/publication/51535)).

Table B-1.

**Five-Year Tallies of Units' Military Personnel, 2017 to 2021**

	Five-Year Total of Units	Military Personnel per Unit				Total Military Personnel Over the 2017–2021 Period (In thousands)			
		Direct	Indirect	Overhead	Total	Direct	Indirect	Overhead	Total
<b>Department of the Army</b>									
Active-Component Armored Brigade Combat Team	45	4,200	9,090	4,160	<b>17,450</b>	189	409	187	<b>785</b>
National Guard Armored Brigade Combat Team	25	4,140	9,090	1,210	<b>14,440</b>	104	227	30	<b>361</b>
Active-Component Stryker Brigade Combat Team	35	4,440	8,590	4,150	<b>17,180</b>	156	301	145	<b>601</b>
National Guard Stryker Brigade Combat Team	10	4,450	8,590	1,190	<b>14,230</b>	45	86	12	<b>142</b>
Active-Component Infantry Brigade Combat Team	70	4,230	8,090	3,920	<b>16,250</b>	296	566	275	<b>1,137</b>
National Guard Infantry Brigade Combat Team	95	3,560	8,090	1,060	<b>12,720</b>	338	769	101	<b>1,208</b>
Active-Component Aviation Brigade	52	3,020	0	1,280	<b>4,300</b>	157	0	67	<b>224</b>
Reserve-Component Aviation Brigade	59	2,520	0	230	<b>2,750</b>	148	0	14	<b>162</b>
Army Special-Operations Forces	n.a.	32,370 <sup>a</sup>	0	12,730 <sup>a</sup>	<b>45,100<sup>a</sup></b>	162	0	64	<b>226</b>
Rest of the Army	n.a.	8,860 <sup>a</sup>	0	3,710 <sup>a</sup>	<b>12,570<sup>a</sup></b>	44	0	19	<b>63</b>
<b>Department of the Navy</b>									
Aircraft Carrier	55	3,200	760	2,620	<b>6,590</b>	176	42	144	<b>362</b>
Carrier Air Wing	50	1,630	1,300	1,930	<b>4,860</b>	81	65	97	<b>243</b>
Arleigh Burke Class Destroyer (DDG-51)	348	340	100	290	<b>720</b>	118	33	100	<b>251</b>
Ticonderoga Class Cruiser (CG-47)	106	250	90	220	<b>550</b>	26	9	23	<b>59</b>
Littoral Combat Ship	106	190	70	170	<b>430</b>	20	8	18	<b>46</b>
Zumwalt Class Destroyer (DDG-1000)	13	220	80	200	<b>500</b>	3	1	3	<b>7</b>
Attack Submarine <sup>b</sup>	255	190	50	150	<b>390</b>	48	12	39	<b>99</b>
Amphibious Ship <sup>c</sup>	175 <sup>d</sup>	710	170	580	<b>1,450</b>	123	29	101	<b>254</b>
Active-Component Marine Corps Infantry Battalion	120	1,490	1,990	2,300	<b>5,780</b>	179	239	276	<b>693</b>
Reserve-Component Marine Corps Infantry Battalion	40	2,070	560	1,740	<b>4,370</b>	83	22	70	<b>175</b>
Marine Corps Aircraft Complement	120	760	890	1,090	<b>2,750</b>	92	107	131	<b>330</b>
Ballistic and Guided Missile Submarines	90	320	80	260	<b>660</b>	29	7	24	<b>60</b>

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Table B-1.

Continued

**Five-Year Tallies of Units' Military Personnel, 2017 to 2021**

	Five-Year Total of Units	Military Personnel per Unit				Total Military Personnel Over the 2017–2021 Period (In thousands)			
		Direct	Indirect	Overhead	Total	Direct	Indirect	Overhead	Total
<b>Department of the Navy (Continued)</b>									
P-3 and P-8 Maritime Patrol Aircraft Squadron <sup>e</sup>	37	630	500	750	<b>1,890</b>	24	19	28	<b>71</b>
Seabee Construction Engineers	n.a.	8,550 <sup>a</sup>	0	5,650 <sup>a</sup>	<b>14,200<sup>a</sup></b>	43	0	28	<b>71</b>
Navy Special-Operations Forces	n.a.	9,900 <sup>a</sup>	0	6,550 <sup>a</sup>	<b>16,440<sup>a</sup></b>	49	0	33	<b>82</b>
Marine Corps Special-Operations Forces	n.a.	2,130 <sup>a</sup>	0	1,410 <sup>a</sup>	<b>3,530<sup>a</sup></b>	11	0	7	<b>18</b>
Rest of the Navy	n.a.	22,860 <sup>a</sup>	0	15,120 <sup>a</sup>	<b>37,990<sup>a</sup></b>	114	0	76	<b>190</b>
Rest of the Marine Corps	n.a.	460 <sup>a</sup>	0	310 <sup>a</sup>	<b>770<sup>a</sup></b>	2	0	2	<b>4</b>
<b>Department of the Air Force<sup>e</sup></b>									
A-10 Attack Aircraft Squadron	46	350	440	400	<b>1,190</b>	16	20	19	<b>55</b>
F-15 Fighter Aircraft Squadron	124	430	590	520	<b>1,540</b>	53	73	65	<b>191</b>
F-16 Fighter Aircraft Squadron	226	450	370	420	<b>1,250</b>	102	85	96	<b>282</b>
F-22 Fighter Aircraft Squadron	65	430	1,150	810	<b>2,390</b>	28	75	53	<b>156</b>
F-35 Fighter Aircraft Squadron <sup>f</sup>	37	430	1,510	1,000	<b>2,940</b>	16	57	37	<b>110</b>
B-52 Bomber Aircraft Squadron	19	1,310	1,220	1,300	<b>3,830</b>	25	23	24	<b>72</b>
B-1B Bomber Aircraft Squadron	21	940	1,680	1,350	<b>3,980</b>	20	36	29	<b>85</b>
B-2 Bomber Aircraft Squadron	7	2,120	3,600	2,940	<b>8,660</b>	14	24	20	<b>58</b>
C-130 Cargo Aircraft Squadron	118	800	590	720	<b>2,120</b>	95	70	85	<b>251</b>
C-5 Cargo Aircraft Squadron	16	780	820	830	<b>2,430</b>	13	13	13	<b>40</b>
C-17 Cargo Aircraft Squadron	76	450	460	470	<b>1,390</b>	35	35	36	<b>106</b>
KC-135 Tanker Aircraft Squadron	141	610	660	650	<b>1,930</b>	87	93	92	<b>272</b>
KC-10 Tanker Aircraft Squadron	18	900	1,170	1,060	<b>3,140</b>	17	22	20	<b>58</b>
KC-46 Tanker Aircraft Squadron <sup>f</sup>	20	640	70	360	<b>1,070</b>	13	1	7	<b>21</b>
MQ-1 "Predator" UAS Squadron	9	90	80	90	<b>260</b>	1	1	1	<b>2</b>
RQ-4 "Global Hawk" UAS Squadron	15	470	750	630	<b>1,840</b>	7	11	9	<b>28</b>
MQ-9 "Reaper" UAS Squadron	128	340	270	310	<b>920</b>	44	34	40	<b>118</b>
Minuteman III Missile Squadron <sup>g</sup>	45	690	650	690	<b>2,040</b>	31	29	31	<b>92</b>
RED HORSE Construction Engineers	n.a.	12,780 <sup>a</sup>	0	6,560 <sup>a</sup>	<b>19,340<sup>a</sup></b>	64	0	33	<b>97</b>
Air Force Special-Operations Forces	n.a.	15,900 <sup>a</sup>	0	8,170 <sup>a</sup>	<b>24,070<sup>a</sup></b>	80	0	41	<b>120</b>
Rest of the Air Force	n.a.	32,370 <sup>a</sup>	0	16,630 <sup>a</sup>	<b>49,010<sup>a</sup></b>	162	0	83	<b>245</b>

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Table B-1.

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**Five-Year Tallies of Units' Military Personnel, 2017 to 2021**

	Five-Year Total of Units	Military Personnel per Unit				Total Military Personnel Over the 2017–2021 Period (In thousands)			
		Direct	Indirect	Overhead	Total	Direct	Indirect	Overhead	Total
<b>Defensewide Activities<sup>h</sup></b>									
Special Operations Command	n.a.	0	0	0	0	0	0	0	0
Defense Health Program for Retirees	n.a.	0	0	0	0	0	0	0	0
Classified Defensewide Funding	n.a.	0	0	0	0	0	0	0	0
Rest of the Defensewide Organizations	n.a.	0	0	0	0	0	0	0	0
<b>Five-Year Total</b>						<b>3,780</b>	<b>3,653</b>	<b>2,946</b>	<b>10,379</b>
<b>National Defense Budget Estimates for Fiscal Year 2017</b>									<b>10,379</b>

Source: Congressional Budget Office, using data from the Department of Defense's 2017 budget request.

"Direct" personnel are associated with a major combat unit, "indirect" personnel are associated with units that support the major combat unit, and "overhead" personnel are associated with the major combat unit's share of administrative or overhead activities. For more information, see Chapter 1.

Supplemental data for this table are available on CBO's website ([www.cbo.gov/publication/51535](http://www.cbo.gov/publication/51535)).

n.a. = not applicable; UAS = unmanned air system.

- a. Military personnel for these forces as a whole, rather than personnel per unit.
- b. Because of data limitations, CBO could not estimate personnel numbers for different classes of attack submarines using the framework of this analysis.
- c. Because of data limitations, CBO could not estimate personnel numbers for different classes of amphibious ships using the framework of this analysis. The numbers shown here are average personnel of ships only (they do not include the personnel of the Marine units that would deploy on the ships).
- d. Includes two command ships that are considered part of the amphibious fleet in the Department of Defense's budget documents.
- e. Aircraft squadrons are notional squadrons of 12 aircraft (actual squadrons vary in size).
- f. Because these aircraft are not yet in full operational service, their actual personnel numbers may differ from the planned personnel numbers included in the Department of Defense's budget documents, on which these estimates are based.
- g. Squadron of 50 Minuteman missiles.
- h. Defensewide organizations do not directly fund any military personnel of their own (because all military personnel are part of one of the services). In addition, in the analytic framework used for this report, defensewide organizations are considered to not have any units supporting them and thus to not have any indirect personnel or costs. No overhead costs are shown for defensewide organizations because such costs are apportioned on the basis of the number of military personnel in an activity.

Table B-2.

**Five-Year Tallies of Units' Costs, 2017 to 2021**

	Five-Year Total of Units	Annual Cost per Unit (Millions of 2017 dollars)				Total Cost Over the 2017–2021 Period (Billions of 2017 dollars)			
		Direct	Indirect	Overhead	Total	Direct	Indirect	Overhead	Total
<b>Department of the Army</b>									
Active-Component Armored Brigade Combat Team	45	500	840	1,280	<b>2,610</b>	22.3	37.7	57.5	<b>117.5</b>
National Guard Armored Brigade Combat Team	25	180	390	240	<b>820</b>	4.6	9.8	6.1	<b>20.5</b>
Active-Component Stryker Brigade Combat Team	35	500	790	1,280	<b>2,560</b>	17.4	27.7	44.6	<b>89.7</b>
National Guard Stryker Brigade Combat Team	10	190	370	240	<b>800</b>	1.9	3.7	2.4	<b>8.0</b>
Active-Component Infantry Brigade Combat Team	70	450	750	1,210	<b>2,410</b>	31.8	52.2	84.6	<b>168.5</b>
National Guard Infantry Brigade Combat Team	95	140	350	220	<b>700</b>	13.2	33.1	20.5	<b>66.7</b>
Active-Component Aviation Brigade	52	490	0	410	<b>890</b>	25.3	0	21.2	<b>46.5</b>
Reserve-Component Aviation Brigade	59	160	0	50	<b>200</b>	9.3	0	2.7	<b>12.0</b>
Army Special-Operations Forces	n.a.	3,190 <sup>a</sup>	0	4,020 <sup>a</sup>	<b>7,210<sup>a</sup></b>	15.9	0	20.1	<b>36.1</b>
Rest of the Army	n.a.	2,000 <sup>a</sup>	0	1,180 <sup>a</sup>	<b>3,180<sup>a</sup></b>	10.0	0	5.9	<b>15.9</b>
<b>Department of the Navy</b>									
Aircraft Carrier	55	470	180	530	<b>1,180</b>	25.6	10.2	29.2	<b>65.0</b>
Carrier Air Wing	50	330	200	390	<b>910</b>	16.3	9.8	19.6	<b>45.7</b>
Arleigh Burke Class Destroyer (DDG-51)	348	60	20	60	<b>140</b>	19.8	8.2	20.2	<b>48.3</b>
Ticonderoga Class Cruiser (CG-47)	106	40	20	40	<b>110</b>	4.7	2.1	4.7	<b>11.5</b>
Littoral Combat Ship	106	40	20	30	<b>100</b>	4.7	2.1	3.7	<b>10.5</b>
Zumwalt Class Destroyer (DDG-1000)	13	40	20	40	<b>100</b>	0.5	0.2	0.5	<b>1.3</b>
Attack Submarine <sup>b</sup>	255	70	40	30	<b>140</b>	17.8	10.4	8.0	<b>36.2</b>
Amphibious Ship <sup>c</sup>	175 <sup>d</sup>	110	40	120	<b>270</b>	19.6	7.8	20.5	<b>47.9</b>
Active-Component Marine Corps Infantry Battalion	120	140	140	470	<b>740</b>	16.4	16.9	55.9	<b>89.3</b>
Reserve-Component Marine Corps Infantry Battalion	40	70	50	350	<b>470</b>	2.9	1.8	14.1	<b>18.8</b>
Marine Corps Aircraft Complement	120	160	140	220	<b>520</b>	19.7	16.5	26.6	<b>62.9</b>
Ballistic and Guided Missile Submarines	90	70	40	50	<b>170</b>	6.4	3.7	4.8	<b>14.9</b>

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Table B-2.

Continued

## Five-Year Tallies of Units' Costs, 2017 to 2021

	Five-Year Total of Units	Annual Cost per Unit (Millions of 2017 dollars)				Total Cost Over the 2017–2021 Period (Billions of 2017 dollars)			
		Direct	Indirect	Overhead	Total	Direct	Indirect	Overhead	Total
<b>Department of the Navy (Continued)</b>									
P-3 and P-8 Maritime Patrol Aircraft Squadron <sup>e</sup>	37	110	70	150	<b>330</b>	4.2	2.5	5.7	<b>12.4</b>
Seabee Construction Engineers	n.a.	720 <sup>a</sup>	0	1,150 <sup>a</sup>	<b>1,860<sup>a</sup></b>	3.6	0	5.7	<b>9.3</b>
Navy Special-Operations Forces	n.a.	1,050 <sup>a</sup>	0	1,330 <sup>a</sup>	<b>2,370<sup>a</sup></b>	5.2	0	6.6	<b>11.9</b>
Marine Corps Special-Operations Forces	n.a.	210 <sup>a</sup>	0	280 <sup>a</sup>	<b>490<sup>a</sup></b>	1.0	0	1.4	<b>2.5</b>
Rest of the Navy	n.a.	3,490 <sup>a</sup>	0	3,060 <sup>a</sup>	<b>6,550<sup>a</sup></b>	17.4	0	15.3	<b>32.8</b>
Rest of the Marine Corps	n.a.	160 <sup>a</sup>	0	60 <sup>a</sup>	<b>230<sup>a</sup></b>	0.8	0	0.3	<b>1.1</b>
<b>Department of the Air Force<sup>e</sup></b>									
A-10 Attack Aircraft Squadron	46	80	60	90	<b>230</b>	3.5	2.7	4.3	<b>10.5</b>
F-15 Fighter Aircraft Squadron	124	100	80	120	<b>300</b>	12.6	10.0	15.0	<b>37.6</b>
F-16 Fighter Aircraft Squadron	226	70	50	100	<b>220</b>	15.4	11.5	22.1	<b>49.1</b>
F-22 Fighter Aircraft Squadron	65	120	160	190	<b>470</b>	8.0	10.3	12.2	<b>30.5</b>
F-35 Fighter Aircraft Squadron <sup>f</sup>	37	130	210	230	<b>570</b>	4.9	7.7	8.6	<b>21.2</b>
B-52 Bomber Aircraft Squadron	19	270	170	300	<b>740</b>	5.0	3.1	5.6	<b>13.8</b>
B-1B Bomber Aircraft Squadron	21	270	230	310	<b>810</b>	5.7	4.9	6.6	<b>17.2</b>
B-2 Bomber Aircraft Squadron	7	670	490	680	<b>1,840</b>	4.5	3.3	4.5	<b>12.3</b>
C-130 Cargo Aircraft Squadron	118	110	80	170	<b>360</b>	12.9	9.6	19.7	<b>42.1</b>
C-5 Cargo Aircraft Squadron	16	130	110	190	<b>430</b>	2.1	1.8	3.1	<b>7.0</b>
C-17 Cargo Aircraft Squadron	76	90	60	110	<b>270</b>	7.1	4.8	8.3	<b>20.2</b>
KC-135 Tanker Aircraft Squadron	141	110	90	150	<b>360</b>	16.1	12.7	21.3	<b>50.1</b>
KC-10 Tanker Aircraft Squadron	18	180	160	250	<b>580</b>	3.3	2.9	4.5	<b>10.7</b>
KC-46 Tanker Aircraft Squadron <sup>f</sup>	20	80	10	80	<b>180</b>	1.6	0.2	1.7	<b>3.5</b>
MQ-1 "Predator" UAS Squadron	9	40	10	20	<b>70</b>	0.3	0.1	0.2	<b>0.6</b>
RQ-4 "Global Hawk" UAS Squadron	15	190	100	140	<b>440</b>	2.9	1.5	2.2	<b>6.6</b>
MQ-9 "Reaper" UAS Squadron	128	50	40	70	<b>160</b>	7.0	4.7	9.3	<b>20.9</b>
Minuteman III Missile Squadron <sup>g</sup>	45	130	90	160	<b>380</b>	5.9	4.0	7.2	<b>17.1</b>
RED HORSE Construction Engineers	n.a.	660 <sup>a</sup>	0	1,520 <sup>a</sup>	<b>2,170<sup>a</sup></b>	3.3	0	7.6	<b>10.9</b>
Air Force Special-Operations Forces	n.a.	1,840 <sup>a</sup>	0	1,890 <sup>a</sup>	<b>3,730<sup>a</sup></b>	9.2	0	9.4	<b>18.7</b>
Rest of the Air Force	n.a.	6,160 <sup>a</sup>	0	3,840 <sup>a</sup>	<b>10,000<sup>a</sup></b>	30.8	0	19.2	<b>50.0</b>

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Table B-2.

Continued

**Five-Year Tallies of Units' Costs, 2017 to 2021**

	Five-Year Total of Units	Annual Cost per Unit (Millions of 2017 dollars)				Total Cost Over the 2017–2021 Period (Billions of 2017 dollars)			
		Direct	Indirect	Overhead	Total	Direct	Indirect	Overhead	Total
<b>Defensewide Activities</b>									
Special Operations Command	n.a.	5,370 <sup>a</sup>	0	0	<b>5,370<sup>a</sup></b>	26.9	0	0	<b>26.9</b>
Defense Health Program for Retirees	n.a.	14,720 <sup>a</sup>	0	0	<b>14,720<sup>a</sup></b>	73.6	0	0	<b>73.6</b>
Classified Defense Funding	n.a.	14,540 <sup>a</sup>	0	0	<b>14,540<sup>a</sup></b>	72.7	0	0	<b>72.7</b>
Rest of the Defensewide Organizations	n.a.	4,060 <sup>a</sup>	0	0	<b>4,060<sup>a</sup></b>	20.3	0	0	<b>20.3</b>
<b>Five-Year Total</b>						<b>694.2</b>	<b>352.6</b>	<b>701.3</b>	<b>1,748.1</b>
<b>National Defense Budget Estimates for Fiscal Year 2017</b>						<b>1,748.1</b>			

Source: Congressional Budget Office, using data from the Department of Defense's 2017 budget request.

"Direct" costs are associated with a major combat unit, "indirect" costs are associated with units that support the major combat unit, and "overhead" costs are associated with the major combat unit's share of administrative or overhead activities. For more information, see Chapter 1.

Supplemental data for this table are available on CBO's website ([www.cbo.gov/publication/51535](http://www.cbo.gov/publication/51535)).

n.a. = not applicable; UAS = unmanned air system.

a. Annual cost for these forces as a whole, rather than cost per unit.

b. Because of data limitations, CBO could not estimate costs for different classes of attack submarines using the framework of this analysis.

c. Because of data limitations, CBO could not estimate costs for different classes of amphibious ships using the framework of this analysis. The costs shown here are average costs for ships only (they do not include the costs of the Marine units that would deploy on the ships).

d. Includes two command ships that are considered part of the amphibious fleet in the Department of Defense's budget documents.

e. Aircraft squadrons are notional squadrons of 12 aircraft (actual squadrons vary in size).

f. Because these aircraft are not yet in full operational service, their actual costs may differ from the planned costs included in the Department of Defense's budget documents, on which these estimates are based.

g. Squadron of 50 Minuteman missiles.