

# **PROJECTED DEFENSE PURCHASES: DETAIL BY INDUSTRY AND STATE**

**Calendar Years 2010 Through 2016**



**November 2011**

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## FOREWORD

*Projected Defense Purchases: Detail by Industry and State* is issued by the Office of the Secretary of Defense (OSD). The estimates presented in the report are produced by the Economic and Manpower Analysis Division of OSD's Office of Cost Assessment and Program Evaluation (CAPE).

This report provides projections of direct and indirect defense-related purchases from 360 industries (defined by North American Industry Classification System) for calendar years 2010 through 2016. This report also presents direct and indirect defense spending in each of the 50 states and the District of Columbia, and estimates the employment generated by defense spending. An introduction gives a brief overview of the definitions, budgetary concepts and expenditure categories used in developing the estimates, and offers some guidelines for interpreting them. The tabular material is divided into three sections:

Section I: Summary Tables – Industry Expenditures and Employment,  
Individual States and Entire United States

Section II: Industry Projections

Section III: State Projections

Descriptions of table formats accompany the projections.

Additional copies of this report may be obtained on CAPE's public access web-site home page, <http://www.economics.osd.mil>.

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**Reader's Note**

Since the 1996 edition of *Projected Defense Purchases: Detail by Industry and State*, the Defense Employment and Purchases Projection System (*DEPPS*) has consisted of three defense-spending models:

- *IDEPPS*, a detailed interindustry model, which forecasts defense industry demands by 360 industries, broken out by major appropriation and procurement category for the top ten industries.
- *RDEPPS*, a state-level (regional) model, which determines the effect of defense expenditures by major procurement category on each state, at an aggregate level of 110 industries (unlike the more detailed *IDEPPS*).
- *LDEPPS*, a skilled labor model, which summarizes the requirements generated for various occupational classifications of employment in each industry. The occupational matrix used in *LDEPPS* comprises 101 occupational categories, chosen in a way that permits more detail to be provided on categories that are heavily employed either directly or indirectly by the Department of Defense.

Two input-output models feed *DEPPS*:

- *LIFT*, which stands for Long-term Interindustry Forecasting Tool, is a 97-sector input-output model embedded in a macroeconomic model. *LIFT* establishes the macroeconomic environment as well as industry controls.
- *ILIAD*, or the Interindustry Long-run Integrated and Dynamic model, uses the macroeconomic forecasts and the industry controls from *LIFT* to further divide the economy into 360 industries.

The Office of Cost Assessment and Program Evaluation and Interindustry Forecasting at the University of Maryland (Inforum) developed *DEPPS*. *LIFT* and *ILIAD* were developed by Inforum. *DEPPS*, *LIFT*, and *ILIAD* are maintained by Inforum.

The last and most critical element in developing the projections is the *Defense Translator*. The *Defense Translator* disaggregates the total defense budget by budget category into source industries and is updated annually.

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## INTRODUCTION AND HIGHLIGHTS

This report estimates industrial and regional patterns of defense expenditures for calendar years 2010 through 2016. It shows direct and indirect purchases from the 75 largest defense-related industries and provides projections of defense-related spending for each of the 50 states and the District of Columbia. Moreover, the report illustrates the occupational requirements of employment that is related directly and indirectly to defense expenditures.

All estimates are based on the FY 2012 President's budget submission in February 2011, and on the geographic distribution of the major components of defense spending in the recent past. This document is also available on the DEPPS website.<sup>1</sup> Supporting documentation, including a more complete description of the model and data used to generate the estimates, is posted to the website as well.

The figures reported here are *projections*. Purchases from particular industries will depend upon the size and composition of the defense budget eventually enacted. The location of purchases will be determined not only by the level of defense spending, but also by the location of industries and by competition among firms within industries, both for prime contracts and for subcontracts.<sup>2</sup> The projections therefore serve as reference points; they describe the future pattern of defense and defense-related expenditures, *assuming current spending plans and existing states' participation in the various components of defense activity*.

The computational framework for these projections is called the Defense Employment and Purchases Projection System (*DEPPS*). *DEPPS* consists of three defense-spending models:

- *IDEPPS*, a detailed interindustry model, which forecasts defense demands by 360 industries, broken out by major appropriation and procurement category.
- *RDEPPS*, a state-level (regional) model, which determines the effect of defense expenditures by major procurement category on each state, at an aggregate level of 110 industries (unlike the more detailed *IDEPPS*).
- *LDEPPS*, a skilled labor model, which summarizes the requirements for various occupational classifications of employment in each industry generated by defense expenditures.

Two interindustry (or input-output) models support *DEPPS*. The first model, called the Long-term Interindustry Forecasting Tool (*LIFT*), is a 97-sector input-output model embedded in a macroeconomic model. *LIFT* establishes the macroeconomic environment as well as industry controls. The second input-output model is called Interindustry Long-run Integrated and Dynamic model (*Iliad*). It uses the macroeconomic forecasts and the industry controls from *LIFT* to further divide the economy into 360 industries.<sup>3</sup>

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<sup>1</sup> Available at <http://www.economics.osd.mil/>

<sup>2</sup> Data available at <http://www.usaspending.gov/>. We use the most recent three years average of prime contract award data.

<sup>3</sup> The Office of Cost Assessment and Program Evaluation and Interindustry Forecasting at the University of Maryland (Inforum) developed *DEPPS*. *LIFT* and *Iliad* were developed by Inforum. *DEPPS*, *LIFT*, and *Iliad* are maintained by Inforum.

## Definitions and Coverage

The estimates presented in this report consider both “direct” and “indirect” defense expenditures. Direct defense expenditures are those that the Department of Defense (DoD) itself makes. These include purchases of goods and services, as well as military and civilian pay.

Defense-related indirect expenditures, by contrast, represent purchases—generated throughout the economy—of items used to produce goods bought by DoD. That is, indirect (sometimes called intermediate) expenditures reflect the costs of materials, tools, and parts that prime contractors buy from suppliers in order to perform work for which DoD has contracted. Those sales, in turn, trigger subsequent rounds of transactions as subcontractors purchase goods and services from their major suppliers and those firms place orders with companies at lower tiers of the production chain. For example, a direct expenditure for aircraft stimulates indirect purchases for the electronic components, tires, aluminum, engineering and logistic services used to manufacture the aircraft. The term “indirect defense purchases” applies to this sequence of purchases—goods and services from subcontractors and lower-tier suppliers.

Direct and indirect expenditures are computed for 360 industries, though only the 75 most affected industries are reported in detail. A summary of all 360 industries sorted by industry number is presented in the appendix. All expenditure quantities are in constant (inflation-adjusted) 2012 dollars, by calendar year, for the 2010 through 2016 interval.

The employment estimates include DoD civilian employment as well as employment resulting from both direct and indirect DoD purchases of goods and services. Employment generated by induced purchases resulting from direct pay (i.e., by personal consumption expenditures) is *not* included in the estimates presented here.

### Budget Concept Employed

The *DEPPS* projections are expressed in terms of outlays. Outlays represent disbursements of funds made during the course of a year. In contrast, budget authority is the amount of money that DoD is authorized to obligate in any given year. Budget authority differs from outlays in that contractual obligations (which must be within the limits set by budget authority) often call for payments to be spread over a period of years, as the work is completed. Budget authority for research, development, and procurement projects, in particular, tends to be disbursed over a period of several years. Therefore, during periods of budget growth, budget authority tends to exceed outlays in any given year.<sup>4</sup>

### Coverage

The federal budget is divided into a number of sections called “functional categories,” each containing programs serving a common purpose. National security-related programs are grouped into Functional Category 050 (National Defense). This category includes the entire Defense Department’s military programs and the national security programs administered by other federal departments, such as the Department of Energy. It *excludes* nonmilitary programs managed by the Department of Defense (for example, highway bridge inspection projects conducted by the Army Corps of Engineers).

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<sup>4</sup> One metaphor is that of a checking account: budget authority represents the amount of money placed in a given account. Outlays represent “checks” that draw on those funds, which may be written over a number of years.

The *DEPPS* industry projections (IDEPPS) are based on a narrower budget grouping, Functional Category 051 (Department of Defense, Military). This subset of 050 funds *includes* all of the Defense Department's military programs, but *excludes* the national security programs administered by other agencies and DoD programs serving civil functions (principally public works projects of the U.S. Army Corps of Engineers).

The defense budget (defined here to include only those programs falling within Functional Category 051) is partitioned into five major accounts: military personnel; operations and maintenance (O&M); procurement; research, development, test, and evaluation (RDT&E); and military construction. The titles of these accounts are reasonably descriptive of the types of expenses they cover:

- The *Military Personnel* account covers the pay of active-duty service members and reservists, as well as some other personnel-related expenses such as permanent change-of-station (PCS) travel and purchases of military uniforms. Also included in this account is DoD's share of the government's annual payments into the Military Retirement Fund.
- The *Operations and Maintenance (O&M)* account funds the day-to-day operations of the defense establishment. Money from this account goes to purchase fuel and other consumable items and to pay all but a small share of DoD's civilian work force.
- The *Procurement* account covers purchases of weapons, equipment, and other military capital goods.
- The *Research Development Test & Evaluation (RDT&E)* account pays for the development and testing of new military systems and for other research activities and associated civilian pay.
- The *Military Construction* account covers the cost of constructing military facilities and of providing housing for military personnel and their dependents.

### **Defense purchases induced from direct pay**

The state-level tables in Section III display the expenditures on goods and services by DoD's civilian employees, military members, and retirees. Estimates for these expenditures are included in the statewide tables because the concept has been of interest to planning agencies and others concerned with local economic development. Induced defense purchases resulting from direct pay are *not* included in the industry estimates reported in Section II.

## **Projection Highlights**

### **IDEPPS: Defense Expenditures by Industry**

The composition of projected defense purchases differs from the composition of non-defense purchases in the U.S. economy as Table 1 projects the differences between defense and nondefense final purchases in 2012. Manufacturing industries make up a much larger share of direct defense purchases than direct nondefense purchases. About one third of defense purchases—34 percent—are made from manufacturing industries, whereas one quarter of nondefense purchases—25 percent—are made from the manufacturing sector. Conversely, services make up about 57 percent of defense final purchases but about 66 percent of nondefense final purchases.

Table 2 presents information on the composition of estimated defense and nondefense indirect purchases—the sales of materials, supplies, and services used as intermediate inputs in the production process. Manufacturing accounts for about 32 percent of projected defense indirect purchases and about 28 percent of nondefense indirect purchases. The services sector makes up about 62 percent of defense indirect purchases and about 63 percent of nondefense indirect purchases. The construction, agriculture and mining sector accounts for about 6 percent of defense indirect purchases and about 10 percent of nondefense indirect purchases.

Table 7 contains information on the 75 non-food industries that supply the largest (direct plus indirect) defense expenditures. While some of these industries are defense-specific (e.g., armaments, shipbuilding, tanks and tank components, aircraft, and guided missiles), a significant share of defense purchases are made directly or indirectly from industries not typically associated with defense activities (e.g., employment services, printing, hospitals, postal services, and credit cards and finance companies).

### **LDEPPS: Defense-Related Employment**

Defense-related civilian employment (including the civilian employees of the Department of Defense) represents about 2.7 percent of projected total U.S. civilian employment in 2012. The composition of defense-related civilian employment differs somewhat from that of nondefense employment. The differences reflect the higher manufacturing intensity of defense purchases, as well as specific employment patterns of the individual industries from which defense purchases are made.

Occupations primarily associated with manufacturing industries (e.g., installation, maintenance, repair and production) account for 15 percent of defense-related employment compared to only 10 percent of nondefense-related employment (see Table 3). Engineers, scientists, and technicians account for 16 percent of defense-related employment, but only 13 percent of nondefense employment. At 34 percent compared to 28 percent, defense-related employment is also more concentrated in management and administrative jobs than nondefense-related employment. More detailed tabulations of defense-related employment (including a breakout of engineering and scientific personnel by specialty) are provided in Section I.

### **RDEPPS: Defense Expenditures by State**

Table 4 presents estimates of direct, indirect, and total (direct plus indirect) per capita defense expenditures in 2011 for each of the fifty states and the District of Columbia grouped by the nine U.S. census divisions.

The geographic distribution of defense expenditures reflects the distribution of military personnel and DoD civilian employees, as well as the location of the industries that make defense goods.

The dispersion *within* regions is larger than the dispersion across them. For example:

- Seven of the nine regions contain one or more states in which total projected defense expenditures (direct and indirect) exceed the national average.
- Every region contains at least one state in which total projected defense expenditures are less than 75 percent of the national average.
- Intraregional variation (the difference between the lowest and highest state estimate within a region) is greater than the variation among regional averages (the difference between the lowest and highest regional estimate) in five of the nine regions.

The *DEPPS* projections describe the pattern of defense and defense-related expenditures, assuming that the geographic distribution of the various components of defense activity remains stable relative to recent years. Should this assumption fail, the actual course of completion of defense contracts would produce a future geographic pattern that differs from historical distributions.

#### **Differences between Industry (IDEPPS) and Regional (RDEPPS) Totals**

The *RDEPPS* projections exclude DoD's share of the government's annual payments into the Military Retirement Fund, but includes disbursements of military retirement pay from the Military Retirement Fund (Functional Category 602 in the *Budget of the United States Government*). The regional total also excludes direct pay to military, civilian, and retired personnel stationed or living outside the U.S. For instance, in 2012 retirement disbursements will be about \$30.3 billion more than accruals. Payments abroad will be about \$18.7 billion. Therefore, the *RDEPPS* direct expenditure will exceed the *IDEPPS* total by about \$11.7 billion.

## Comparisons with Previous Estimates

The internal structure of *DEPPS* is revised occasionally. Most internal model changes, however, reflect revisions in data sets rather than changes in a model's fundamental architecture.

Changes in the overall defense budget also influence cross-year comparisons. Each year's projections are made using the defense portion of the President's budget submission to Congress. The defense budget is developed each year through an involved process and can change significantly from year to year. Consequently, the projections also change. Finally, variability in the projections, and assumptions about the behavior of the economy as a whole and of specific sectors within the economy, also affect *DEPPS* outcomes. Many basic economic assumptions have been revised over the past year, in part due to the changing conditions in the U.S. economy.

Therefore, there are many reasons why estimates shift from year to year. Structural changes in the *DEPPS* model greatly complicate comparisons with other years' projections. The other possible sources of change—*DEPPS* data revisions, the defense budget, and broader economic assumptions—do not preclude comparisons, but isolating the effects of any single factor is a challenge. Ultimately, while comparisons between estimates are possible, they should be made taking the underlying reasons for the changes into account.

Starting in the 2006 *Projected Defense Purchases: Detail by Industry and State* report, industries in the *DEPPS* model are categorized by the North American Industry Classification System (NAICS), replacing the Standard Industrial Classification (SIC). These new industry codes better reflect the industry makeup of the modern economy.

Starting in the 2010 *Projected Defense Purchases: Detail by Industry and State* report, industries in *IDEPPS* are categorized in the 2002 North American Industry Classification System (NAICS), and industry relationships in *IDEPPS* and *RDEPPS* are based on data deriving from the 2002 Benchmark input-output table, produced by BEA. *IDEPPS* still has 360 industries as before, but the industries have changed slightly. Of particular interest to the analysis of defense spending is the combination of Small arms (NAICS 332994) and Other ordnance and accessories (332995), so that separate detail for these industries is no longer available. Another area where industry detail has been lost is Other industrial machinery, which in the previous *IDEPPS* was divided into 6 separate industries, including Woodworking machinery (333210), Paper industry machinery (333291) and Food product machinery (333294). In certain other areas industry detail was increased, such as the previous sector Measuring devices and controls, which has been split into 3 new industries. Increased detail is also available in areas of manufacturing such as fabricated metals, pumps and compressors, and metalworking machinery. However, in general, we have tried to preserve as closely as possible the industrial detail available in the previous version of *IDEPPS*.

Other changes stemming from the update to the 2002 benchmark input-output table are due to updated and better measurement of changes in the distribution of output among industries, and in the structure of purchases and sales between industries. Of particular note is industry 315, Management of companies and enterprises (NAICS 55), which was newly introduced with the 1997 NAICS. This industry includes the sales of auxiliary establishments within large multiestablishment companies. These establishments provide central headquarters management and coordination, payroll and employee benefit services, advertising, warehousing and transportation, and other services. This industry's role has grown significantly, particularly as indirect sales to other industries important in the overall composition of defense goods and services.

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**Table 1**  
**Composition of Defense and Nondefense DIRECT Purchases for 2012**

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	Direct Defense Purchases	Direct Nondefense Purchases
Manufacturing	34.3%	25.4%
Services	56.5%	65.7%
Construction, Agriculture and Mining	9.3%	8.9%

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**Table 2**  
**Composition of Defense and Nondefense INDIRECT Purchases for 2012**

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	Indirect Defense Purchases	Indirect Nondefense Purchases
Manufacturing	32.1%	27.8%
Services	62.4%	62.6%
Construction, Agriculture and Mining	5.5%	9.6%

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**Table 3**  
**Composition of Civilian Employment for 2012**  
(this version was done with the 2008-2018 occupational matrix)

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	<b>Defense-Related Employment</b>	<b>Nondefense-Related Employment</b>
Installation, Maintenance, Repair and Production	15.0%	10.0%
Agricultural, Extraction, Construction and Transport	14.3%	12.0%
Engineers, Scientists and Technicians	15.6%	12.7%
Service and Sales Occupations	15.8%	30.1%
Management and Administrative	33.6%	27.9%
Other professional specialties	5.7%	7.3%

**Table 4**  
**Estimated Defense Expenditures Per Capita, 2012**  
 (By State and Region, in 2012 dollars)

State/Region	Population (Thousands)	Direct			Indirect from Direct	
		Pay	Purchases	Total	Purchases	Total
<b>New England</b>	<b>14,869</b>	<b>259</b>	<b>2,551</b>	<b>2,809</b>	<b>1,243</b>	<b>4,052</b>
Connecticut	3,602	172	3,893	4,065	1,435	5,500
Maine	1,371	602	1,687	2,289	655	2,943
Massachusetts	6,694	185	2,676	2,861	1,465	4,326
New Hampshire	1,414	256	1,402	1,658	837	2,495
Rhode Island	1,127	561	865	1,426	928	2,355
Vermont	661	253	1,089	1,342	577	1,919
<b>Mid-Atlantic</b>	<b>41,247</b>	<b>225</b>	<b>962</b>	<b>1,187</b>	<b>1,029</b>	<b>2,216</b>
New Jersey	9,116	250	1,218	1,467	1,166	2,633
New York	19,492	193	789	982	972	1,954
Pennsylvania	12,639	255	1,045	1,299	1,020	2,319
<b>South Atlantic</b>	<b>61,458</b>	<b>1,011</b>	<b>1,872</b>	<b>2,882</b>	<b>1,137</b>	<b>4,019</b>
Delaware	902	646	741	1,387	1,617	3,004
District of Columbia	521	6,331	11,189	17,520	6,447	23,967
Florida	20,003	508	1,005	1,514	670	2,183
Georgia	9,849	1,051	1,096	2,148	985	3,133
Maryland	6,027	1,039	2,646	3,685	1,397	5,082
North Carolina	9,608	982	586	1,568	857	2,425
South Carolina	4,526	774	1,149	1,923	971	2,894
Virginia	8,193	2,209	6,110	8,319	2,406	10,725
West Virginia	1,828	223	435	658	657	1,315
<b>East North Central</b>	<b>47,338</b>	<b>204</b>	<b>847</b>	<b>1,051</b>	<b>1,016</b>	<b>2,067</b>
Illinois	12,993	211	787	998	1,017	2,015
Indiana	6,444	220	961	1,181	1,140	2,321
Michigan	10,504	132	579	711	861	1,571
Ohio	11,605	295	819	1,114	1,079	2,193
Wisconsin	5,793	120	1,398	1,519	1,027	2,546
<b>West North Central</b>	<b>20,552</b>	<b>442</b>	<b>1,245</b>	<b>1,687</b>	<b>978</b>	<b>2,665</b>
Iowa	3,019	142	762	904	852	1,755
Kansas	2,825	1,088	1,171	2,258	1,033	3,292
Minnesota	5,520	119	667	786	972	1,758
Missouri	5,982	422	2,202	2,623	1,100	3,723
Nebraska	1,777	680	1,050	1,730	922	2,652
North Dakota	636	1,118	751	1,869	757	2,626
South Dakota	791	610	978	1,588	689	2,277

**Table 4 (Continued)**  
**Estimated Defense Expenditures Per Capita, 2012**  
 (By State and Region, in 2012 dollars)

State/Region	Population (Thousands)	Direct			Indirect from Direct	
		Pay	Purchases	Total	Purchases	Total
<b>East South Central</b>	<b>18,253</b>	<b>684</b>	<b>1,627</b>	<b>2,311</b>	<b>1,079</b>	<b>3,390</b>
Alabama	4,623	904	2,454	3,358	1,644	5,002
Kentucky	4,301	1,081	2,014	3,095	1,014	4,109
Mississippi	2,990	631	1,588	2,219	780	2,999
Tennessee	6,338	278	780	1,058	852	1,911
<b>West South Central</b>	<b>36,581</b>	<b>695</b>	<b>1,360</b>	<b>2,055</b>	<b>1,232</b>	<b>3,287</b>
Arkansas	2,913	446	669	1,116	761	1,877
Louisiana	4,639	507	1,041	1,548	1,515	3,063
Oklahoma	3,619	1,053	861	1,914	911	2,826
Texas	25,410	706	1,569	2,275	1,281	3,556
<b>Mountain</b>	<b>22,462</b>	<b>682</b>	<b>1,496</b>	<b>2,178</b>	<b>912</b>	<b>3,090</b>
Arizona	6,968	488	2,233	2,720	805	3,526
Colorado	4,917	1,007	1,649	2,656	1,194	3,851
Idaho	1,562	468	367	835	536	1,371
Montana	982	548	579	1,127	625	1,753
Nevada	2,834	567	988	1,555	760	2,315
New Mexico	2,007	912	1,096	2,008	992	3,000
Utah	2,668	687	1,263	1,951	1,014	2,965
Wyoming	524	819	798	1,617	1,347	2,964
<b>Pacific</b>	<b>51,521</b>	<b>615</b>	<b>1,412</b>	<b>2,028</b>	<b>1,015</b>	<b>3,043</b>
Alaska	709	3,861	3,911	7,771	3,093	10,865
California	38,878	376	1,471	1,847	992	2,839
Hawaii	1,361	4,420	2,544	6,963	1,500	8,463
Oregon	3,876	207	552	759	825	1,585
Washington	6,696	1,124	1,075	2,200	943	3,143
<b>United States</b>	<b>314,281</b>	<b>569</b>	<b>1,413</b>	<b>1,982</b>	<b>1,080</b>	<b>3,063</b>

Source: RDEPPS Calculations

**Table 5**  
**Sources of Projected Direct Defense Purchases**  
**Department of Defense**  
(Millions of 2012 dollars)

	2010	2011	2012	2013	2014	2015	2016
Military Personnel	160,474	156,998	148,143	146,807	146,851	145,828	144,531
Operations & Maintenance	291,878	297,684	234,947	211,593	211,471	212,349	212,123
<b>Procurement</b>							
Aircraft	41,891	51,105	40,954	37,879	39,501	38,923	38,383
Missiles	9,965	10,538	9,500	9,009	9,918	10,182	10,835
Weapons & Tracked Vehicles	18,172	10,201	8,571	4,988	4,196	3,356	4,286
Ships & Conversions	16,997	23,078	20,007	24,599	19,416	20,984	21,195
Ammunition	5,631	7,096	5,382	4,285	3,884	3,901	4,083
Other	48,863	46,091	42,308	36,982	37,716	38,975	39,183
<b>Total Procurement</b>	<b>141,519</b>	<b>148,108</b>	<b>126,721</b>	<b>117,743</b>	<b>114,630</b>	<b>116,321</b>	<b>117,965</b>
RDT&E	79,686	80,841	77,055	73,788	71,199	67,818	65,414
Military Construction	21,621	20,745	18,579	15,939	14,374	13,116	12,532
Family Housing	3,315	3,251	2,509	2,154	1,801	1,521	1,462
Defense-Wide Contingency	-120	0	0	0	0	0	0
Revolving & Management Funds	1,946	1,900	6,173	3,708	3,139	1,923	1,482
Trust & Receipts	-1,681	-975	-1,105	-1,194	-1,184	-1,171	-1,168
Deductions, Intragovernment Receipts	-113	-135	-134	-130	-124	-122	-121
<b>Total Direct Defense Purchases</b>	<b>698,524</b>	<b>708,417</b>	<b>612,889</b>	<b>570,407</b>	<b>562,155</b>	<b>557,584</b>	<b>554,219</b>

Source: IDEPPS Calculations

**Table 6**  
**Sources of Projected Indirect Defense Purchases**  
**Department of Defense**  
(Millions of 2012 dollars)

	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
Military Personnel	40,476	31,363	25,894	25,143	25,309	25,230	25,097
Operations & Maintenance (*)	186,866	197,339	149,837	120,353	116,671	114,900	113,981
Aircraft	40,033	48,768	39,205	36,326	37,817	37,097	36,601
Missiles	9,593	10,153	9,110	8,643	9,523	9,773	10,359
Weapons & Tracked Vehicles	21,684	11,954	9,765	5,663	4,887	3,900	4,932
Ships & Conversions	16,024	21,682	18,982	23,577	17,946	19,586	19,868
Ammunition	4,866	6,115	4,613	3,661	3,314	3,324	3,473
Other	49,039	46,205	41,794	36,790	37,645	38,830	39,053
<b>Total Procurement</b>	<b>141,241</b>	<b>144,877</b>	<b>123,469</b>	<b>114,660</b>	<b>111,132</b>	<b>112,511</b>	<b>114,286</b>
RDT&E	61,401	62,018	58,680	55,727	51,902	48,533	46,542
Military Construction	17,646	16,879	15,178	13,006	11,699	10,635	10,126
Family Housing	2,322	2,269	1,754	1,509	1,254	1,046	1,001
<b>Total Indirect Defense Purchases</b>	<b>449,950</b>	<b>454,745</b>	<b>374,812</b>	<b>330,399</b>	<b>317,968</b>	<b>312,856</b>	<b>311,032</b>

Source: IDEPPS Calculations

## **SECTION I: SUMMARY TABLES – Industry Expenditures and Employment, Individual States and Entire United States**

The summary tables provide an overview of estimated defense expenditures and employment. Table 7 presents estimates of total defense purchases from the 75 leading industries in defense production for 2010 through 2016. The estimates shown include both direct and indirect purchases.

Table 8 shows projected defense employment and defense-related employment during 2010–2016, including military personnel, DoD civilians, private-sector employees associated with direct DoD spending, and private sector employees indirectly associated with the DoD. Table 9 presents estimates of defense-related employment by major occupational category while Table 10 provides more detailed estimates of defense-related employment within three occupations: (1) computer and mathematical science occupations; (2) architectural and engineering occupations; (3) and life, physical, and social science occupations.

The remaining five tables present state-level information:

- Tables 11 through 13 present estimates of direct defense expenditures, first in the aggregate and then by selected budget accounts. Table 11 shows outlays (for purchases and pay) projected to be made in each state during each year of the forecast period (the estimates assume state shares of the underlying components of pay and purchases remain at recent levels). Table 12 shows combined outlays from the Procurement and RDT&E accounts, while Table 13 displays combined outlays resulting from the remaining accounts.
- Table 14 shows indirect expenditures arising from purchases made by the DoD. As explained in the introduction, indirect (or intermediate) purchases are those that are made across the supply chain for final goods. For example, expenditures on aircraft stimulate indirect purchases of electronic components, aircraft parts, tires, aluminum, etc.
- Table 15 shows the induced expenditures derived from the wages and salaries of DoD personnel and from military retirement pay. More specifically, induced expenditures are the household purchases from defense personnel that occur in each state. Obviously, states with large and numerous military installations tend to have large induced expenditures. Less obviously, states that produce consumer goods sold in a national market (such as automobiles and appliances) will also have significant induced expenditures.

**Table 7**  
**Projected Total (Direct + Indirect) Defense Purchases from 75 Industries Leading in Defense Production in 2012**

(Millions of 2012 Dollars)

<b>Rnk</b>	<b>Ind #</b>	<b>Supplying Industry</b>	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
1	303	Architectural, engineering, and related services	54,478	58,466	49,126	44,059	42,979	41,781	40,823
2	310	Scientific research and development services	48,702	49,548	45,500	42,460	40,562	39,072	38,279
3	235	Aircraft	32,802	37,193	30,328	27,820	27,866	27,306	26,739
4	315	Management of companies and enterprises	27,991	28,671	23,963	21,258	20,594	20,258	20,183
5	265	Wholesale trade	25,529	26,521	22,689	20,042	19,206	18,880	18,786
6	285	Telecommunications	27,100	27,884	22,382	18,936	18,428	18,303	18,219
7	270	Truck transportation	32,642	27,542	21,145	17,797	17,518	17,298	17,187
8	32	New non-residential building construction	25,811	25,497	20,685	17,096	15,947	15,115	14,770
9	294	Real estate	24,613	25,025	20,221	17,627	16,973	16,653	16,507
10	35	Maintenance and repair of nonresidential buildings	24,316	24,416	18,259	14,662	14,135	13,820	13,659
11	241	Ship building and repairing	13,230	17,234	15,823	19,623	13,831	15,512	16,080
12	267	Air transportation	19,025	18,652	14,985	13,199	12,986	12,928	12,867
13	237	Other aircraft parts and auxiliary equipment	14,321	16,860	14,258	12,904	13,035	12,565	12,316
14	308	Management, scientific, and technical consulting services	17,638	18,484	14,252	12,062	11,711	11,636	11,572
15	94	Petroleum refineries	16,447	16,024	13,844	11,412	10,965	10,486	10,281
16	328	Offices of physicians, dentists, and other health practitioners	13,197	15,124	12,926	12,503	12,049	12,220	12,310
17	203	Search, detection, and navigation instruments	13,195	13,917	11,992	10,715	10,963	11,019	11,234
18	312	All other miscellaneous professional, scientific, and technical services	13,440	13,942	11,149	9,552	9,199	8,942	8,792
19	307	Other computer related services, facilities management	12,341	13,163	10,740	9,570	9,355	9,343	9,336
20	28	Electric power	13,197	13,360	10,590	8,868	8,587	8,443	8,373
21	238	Guided missiles and space vehicles	10,931	11,982	10,497	10,028	10,433	10,524	10,690
22	236	Aircraft engines and engine parts	9,999	11,501	10,019	9,204	9,221	8,834	8,775
23	197	Broadcast and wireless communications equipment	10,547	10,904	9,934	8,900	8,707	8,686	8,595
24	291	Insurance carriers	13,032	12,074	9,810	8,887	8,755	8,668	8,600
25	16	Crude oil extraction	11,617	11,449	9,798	8,100	7,777	7,456	7,319
26	311	Advertising and related services	11,620	11,995	9,607	8,322	8,109	8,022	7,969
27	184	Other engine equipment	10,559	10,405	9,060	8,868	8,879	9,118	9,240
28	340	Food services and drinking places	10,920	11,071	8,842	7,663	7,447	7,358	7,298
29	288	Monetary authorities and depository credit intermediation	9,913	10,192	8,385	7,419	7,156	7,058	6,997
30	322	Employment services	10,041	10,157	8,254	7,250	7,031	6,928	6,865
31	290	Securities, commodity contracts, investments	9,280	9,372	7,765	6,970	6,637	6,566	6,534
32	269	Water transportation	11,203	9,392	7,302	6,234	6,151	6,094	6,066
33	273	Scenic and sightseeing transportation and support	8,957	8,881	7,131	6,271	6,170	6,128	6,108
34	339	Hotels and other accommodations	8,759	8,620	6,835	5,898	5,783	5,726	5,679
35	201	All other electronic components	6,535	6,808	6,013	5,460	5,392	5,266	5,202
36	275	Warehousing and storage	8,936	7,644	5,932	5,012	4,917	4,859	4,830
37	301	Legal services	6,817	6,998	5,800	5,150	4,970	4,893	4,856
38	135	Primary ferrous metal products	6,798	6,682	5,490	4,842	4,495	4,417	4,419
39	317	Facilities support services	7,786	7,991	5,432	4,005	3,901	3,830	3,780

**Table 7 (Continued)**  
**Projected Total (Direct + Indirect) Defense Purchases from 75 Industries Leading in Defense Production in 2012**  
(Millions of 2012 Dollars)

<b>Rnk</b>	<b>Ind #</b>	<b>Supplying Industry</b>	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
40	306	Computer systems design services	6,371	6,432	5,270	4,435	4,297	4,276	4,267
41	33	Highway, street, bridge, tunnel, water, sewer, pipeline construction	6,092	6,507	5,042	3,933	3,598	3,273	3,096
42	300	Lessors of nonfinancial intangible assets	5,622	5,812	4,881	4,380	4,150	4,109	4,092
43	320	Services to buildings and dwellings	5,981	6,068	4,875	4,199	4,053	3,985	3,946
44	296	Automotive equipment rental and leasing	5,807	5,735	4,753	4,050	3,812	3,772	3,772
45	351	Postal service	6,040	5,887	4,733	4,002	3,912	3,865	3,842
46	324	Waste management and remediation services	6,755	6,909	4,682	3,470	3,339	3,255	3,198
47	234	Motor vehicle parts	7,206	5,769	4,657	3,669	3,534	3,341	3,447
48	152	Ammunition	5,321	6,115	4,599	3,744	3,457	3,373	3,304
49	92	Printing	5,098	5,166	4,378	3,768	3,717	3,662	3,627
50	266	Retail trade	4,709	4,995	4,131	3,723	3,587	3,567	3,563
51	302	Accounting, tax preparation, bookkeeping, and payroll services	4,901	5,030	4,124	3,645	3,509	3,465	3,443
52	244	Military armored vehicles, tanks, and tank components	7,172	4,361	3,814	2,415	1,983	1,960	2,603
53	286	Data processing, hosting and internet service providers	4,383	4,553	3,726	3,299	3,157	3,123	3,104
54	305	Custom computer programming services	4,561	4,818	3,658	3,011	2,935	2,859	2,803
55	280	Software publishers	4,024	4,231	3,490	3,023	2,940	2,946	2,935
56	268	Rail transportation	5,067	4,411	3,418	2,886	2,825	2,785	2,766
57	292	Insurance agencies, brokerages	4,244	4,004	3,270	2,962	2,903	2,876	2,856
58	274	Couriers and messengers	4,446	4,111	3,258	2,804	2,739	2,705	2,688
59	200	Semiconductors and electron tubes	3,639	3,768	3,229	2,876	2,808	2,765	2,743
60	147	Plate work and fabricated structural products	3,879	3,867	3,126	2,716	2,570	2,517	2,494
61	342	Electronic and precision equipment repair and maintenance	3,524	3,768	3,118	2,829	2,801	2,753	2,723
62	29	Natural gas distribution	3,700	3,723	3,013	2,570	2,481	2,428	2,405
63	239	Propulsion units and parts for space vehicles and guided missiles	3,352	3,522	3,013	2,760	2,830	2,832	2,817
64	318	Business support services	3,514	3,653	2,995	2,655	2,558	2,521	2,504
65	299	Commercial and industrial rental and leasing	3,718	3,743	2,993	2,567	2,486	2,444	2,422
66	119	Other plastics products	3,472	3,603	2,963	2,616	2,519	2,480	2,463
67	343	Commercial and industrial machinery and equipment repair and maintenance	3,479	3,643	2,956	2,544	2,370	2,349	2,357
68	289	Nondepository credit intermediation	3,580	3,591	2,935	2,585	2,477	2,445	2,431
69	321	Other support services	3,399	3,580	2,872	2,533	2,480	2,478	2,490
70	75	Apparel accessories and other apparel	3,667	3,756	2,817	2,501	2,478	2,418	2,363
71	153	Arms, ordnance, and accessories	3,469	3,461	2,770	2,338	2,321	2,263	2,165
72	326	Junior colleges, colleges, universities, and professional schools	3,199	3,394	2,745	2,427	2,269	2,172	2,104
73	198	Other communications equipment	3,110	3,256	2,712	2,316	2,327	2,342	2,324
74	309	Environmental and other technical consulting services	3,396	3,547	2,703	2,235	2,145	2,114	2,092
75	316	Office administrative services	3,123	3,189	2,537	2,193	2,117	2,088	2,070

Source: IDEPPS Calculations

**Table 8**  
**Projected Defense and Defense-Related Employment**  
(Thousands of Workers)

<b>Employment Category</b>	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
DoD Active Duty Military Personnel	1,506	1,510	1,485	1,478	1,477	1,479	1,477
DoD Direct Civilian Hires	725	724	723	722	722	721	720
Direct Private Sector Employment	2,372	2,391	1,909	1,632	1,553	1,511	1,479
Indirect Private Sector Employment	1,673	1,665	1,349	1,168	1,108	1,075	1,051
<b>Total Defense-Related Employment</b>	<b>4,770</b>	<b>4,780</b>	<b>3,981</b>	<b>3,523</b>	<b>3,383</b>	<b>3,307</b>	<b>3,250</b>
<b>Total Defense-Related Employment Plus Military</b>	<b>6,276</b>	<b>6,290</b>	<b>5,466</b>	<b>5,001</b>	<b>4,860</b>	<b>4,786</b>	<b>4,728</b>

*Source: LDEPPS Calculations and FY2012 Green Book*

*Notes:*

*Defense-related employment includes jobs associated with spending on Overseas Contingency Operations (OCO) in 2010 and 2011*

*DoD Active Duty Military personnel include Active Duty Army, Navy, Air Force, and Marines as well as full-time Guard and Reservists*

*DoD Direct Civilian Hires exclude foreign national direct hires*

*Direct Private Sector Employment is an estimate of private sector jobs created by direct defense expenditures*

*Indirect Private Sector Employment is an estimate of private sector jobs created by indirect defense expenditures*

**Table 9**  
**Projected Defense and Defense-Related Employment by Occupational Category**  
(Thousands of Workers)

Fiscal Year 2012 LDEPPS, with 2008-2018 Occupational Projections matrices

<b>Occupational Category</b>	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
Management, financial, and business operations	734	740	639	580	561	549	540
Computer and mathematical science occupations	171	173	141	123	117	114	111
Architectural and engineering occupations	297	302	264	242	233	227	223
Life, physical and social science occupations	89	91	79	73	70	69	68
Healthcare practitioners and technical occupations	149	160	138	130	126	126	125
Other professional specialties	264	268	225	201	194	189	186
Service occupations	523	526	422	365	352	345	339
Sales and related occupations	253	256	208	179	170	165	162
Office and administrative support occupations	843	843	700	618	595	582	572
Farming, fishing, and forestry occupations	12	12	10	9	8	8	8
Construction and extraction occupations	252	261	215	181	174	172	172
Installation, maintenance, and repair occupations	246	246	212	192	186	182	180
Production occupations	467	469	385	336	315	303	295
Transportation and material moving occupations	470	434	344	293	282	275	270
<b>Total All Categories</b>	<b>4770</b>	<b>4780</b>	<b>3981</b>	<b>3523</b>	<b>3383</b>	<b>3307</b>	<b>3250</b>

Source: LDEPPS calculations

Note: Numbers may not add to totals due to rounding

**Table 10**  
**Defense Related Employment of Engineers and Scientists**  
(Thousands of Workers)

	2010	2011	2012	2013	2014	2015	2016
<b>Computer and mathematical science occupations</b>							
Computer specialists	161.8	163.7	132.3	114.9	109.5	106.3	103.5
Mathematical science occupations	9.0	9.0	8.2	7.7	7.5	7.4	7.3
<b>Total</b>	<b>170.8</b>	<b>172.8</b>	<b>140.5</b>	<b>122.6</b>	<b>117.1</b>	<b>113.7</b>	<b>110.9</b>
<b>Architectural and engineering occupations</b>							
Architects, surveyors, and cartographers	25.2	25.9	21.8	19.4	18.6	18.0	17.6
Aerospace engineers	6.2	6.2	5.8	5.5	5.5	5.4	5.3
Chemical engineers	2.4	2.5	2.2	2.0	1.9	1.9	1.8
Civil engineers	27.3	27.9	24.5	22.5	21.8	21.3	21.0
Electrical and electronics engineers	43.4	43.7	39.5	36.9	35.9	35.2	34.7
Industrial engineers, incl health and safety	24.2	24.6	20.9	19.0	17.9	17.3	16.9
Mechanical engineers	31.4	31.9	27.9	25.7	24.6	23.9	23.5
Materials engineers	3.2	3.3	2.8	2.6	2.4	2.4	2.3
All other engineers	44.5	45.2	40.0	37.1	35.8	35.0	34.4
Drafters, engineering, and mapping technicians	89.5	91.1	78.8	71.7	68.7	66.9	65.5
<b>Total</b>	<b>297.1</b>	<b>302.3</b>	<b>264.1</b>	<b>242.3</b>	<b>233.2</b>	<b>227.4</b>	<b>223.0</b>
<b>Life, physical and social science occupations</b>							
Life scientists	15.7	16.0	14.0	12.9	12.5	12.2	12.0
Chemists and materials scientists	6.1	6.2	5.4	4.9	4.8	4.7	4.6
Environmental scientists and geoscientists	7.8	8.0	6.8	6.0	5.8	5.6	5.5
Astronomers, physicists, atmospheric & space scientists	3.6	3.6	3.4	3.2	3.2	3.2	3.1
All other physical scientists	3.4	3.5	3.2	3.1	3.0	3.0	3.0
Social scientists and related occupations	34.4	35.0	30.6	28.1	27.3	26.7	26.3
Life, physical, and social science technicians	18.0	18.4	15.9	14.3	13.9	13.5	13.2
<b>Total</b>	<b>89.1</b>	<b>90.7</b>	<b>79.4</b>	<b>72.6</b>	<b>70.5</b>	<b>68.9</b>	<b>67.7</b>
<b>Total Computer, Engineers, and Scientists</b>	<b>556.9</b>	<b>565.7</b>	<b>484.0</b>	<b>437.6</b>	<b>420.7</b>	<b>409.9</b>	<b>401.5</b>

Source: LDEPPS calculations

Note: Numbers may not add to totals due to rounding

**Table 11**  
**Projections of Total Direct Expenditures, by State**  
(Millions of 2012 dollars)

<b>State</b>	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
Alabama	17,552	17,662	15,525	14,601	13,350	13,114	12,937
Alaska	6,302	6,426	5,509	5,095	5,213	5,171	5,125
Arizona	20,808	22,068	18,955	17,489	16,345	16,161	16,028
Arkansas	3,783	3,759	3,250	2,987	2,547	2,520	2,496
California	79,976	82,601	71,821	67,167	62,719	62,020	61,458
Colorado	14,462	14,836	13,062	12,195	11,317	11,155	11,028
Connecticut	15,188	16,832	14,642	14,580	13,301	13,481	13,484
Delaware	1,444	1,428	1,251	1,159	1,032	1,017	1,005
District of Columbia	10,507	10,796	9,123	8,474	8,706	8,683	8,624
Florida	35,267	35,489	30,276	27,629	23,569	23,373	23,200
Georgia	23,641	24,064	21,152	19,974	19,179	19,089	18,959
Hawaii	10,349	10,493	9,479	9,170	9,462	9,438	9,375
Idaho	1,491	1,469	1,304	1,226	1,014	1,003	993
Illinois	16,088	15,078	12,963	11,513	10,763	10,574	10,606
Indiana	10,394	9,154	7,608	6,580	6,216	6,099	6,176
Iowa	3,310	3,224	2,728	2,424	2,224	2,200	2,186
Kansas	6,973	7,205	6,381	6,023	5,910	5,849	5,796
Kentucky	14,676	15,478	13,311	12,465	12,324	12,308	12,264
Louisiana	8,781	8,336	7,180	6,508	5,992	5,913	5,903
Maine	3,442	3,571	3,138	3,190	2,797	2,842	2,837
Maryland	25,160	25,684	22,210	20,678	19,662	19,528	19,367
Massachusetts	20,965	21,640	19,153	17,451	16,776	16,296	16,000
Michigan	9,389	8,591	7,467	6,481	5,801	5,738	5,853
Minnesota	5,240	5,186	4,338	3,848	3,510	3,461	3,428
Mississippi	6,892	7,471	6,635	6,893	5,719	5,941	5,992
Missouri	17,287	18,042	15,695	14,370	13,751	13,466	13,293
Montana	1,257	1,244	1,107	1,024	891	881	873
Nebraska	3,601	3,544	3,075	2,845	2,618	2,595	2,575
Nevada	5,119	5,174	4,406	3,978	3,467	3,425	3,394
New Hampshire	2,634	2,702	2,344	2,096	1,890	1,868	1,861
New Jersey	15,467	15,620	13,377	12,235	11,983	11,881	11,765
New Mexico	4,493	4,514	4,029	3,791	3,419	3,373	3,334
New York	21,861	22,140	19,142	17,634	16,874	16,711	16,576
North Carolina	16,561	16,722	15,062	14,297	13,413	13,297	13,180
North Dakota	1,335	1,332	1,190	1,125	1,115	1,105	1,096
Ohio	14,996	14,797	12,930	12,110	11,340	11,207	11,101
Oklahoma	7,743	7,728	6,928	6,704	6,412	6,408	6,372
Oregon	3,729	3,457	2,943	2,634	2,166	2,115	2,107
Pennsylvania	19,873	19,440	16,423	15,003	13,799	13,743	13,800
Rhode Island	1,874	1,858	1,607	1,541	1,457	1,461	1,456
South Carolina	10,269	10,180	8,704	7,914	6,913	6,869	6,886
South Dakota	1,370	1,419	1,256	1,195	1,085	1,082	1,077
Tennessee	8,067	7,853	6,709	6,090	5,028	4,930	4,868
Texas	65,469	66,497	57,816	53,217	50,366	49,551	49,185
Utah	5,829	5,836	5,205	4,996	4,851	4,843	4,801
Vermont	1,027	1,065	887	797	731	717	705
Virginia	76,827	79,747	68,156	64,320	59,134	59,296	59,067
Washington	16,131	16,330	14,729	14,253	13,279	13,205	13,108
West Virginia	1,455	1,407	1,203	1,096	912	900	891
Wisconsin	12,102	10,498	8,796	7,600	7,320	7,235	7,432
Wyoming	1,000	973	847	787	725	718	712
<b>U.S. Total</b>	<b>709,453</b>	<b>718,661</b>	<b>623,028</b>	<b>579,453</b>	<b>540,387</b>	<b>535,859</b>	<b>532,636</b>

Source: RDEPPS Calculations

**Table 12**  
**Projections of Total Direct Procurement & RDT&E Expenditures, by State**

(Millions of 2012 dollars)

<b>State</b>	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
Alabama	6,505	6,658	6,258	5,989	5,716	5,501	5,362
Alaska	255	236	222	203	213	213	211
Arizona	8,579	9,312	8,023	7,381	7,421	7,277	7,179
Arkansas	602	614	495	420	417	415	408
California	32,265	34,397	31,061	29,636	28,631	28,142	27,765
Colorado	4,129	4,391	3,954	3,704	3,680	3,581	3,512
Connecticut	11,913	13,611	11,930	12,142	11,087	11,298	11,319
Delaware	82	80	76	71	72	71	70
District of Columbia	1,705	1,793	1,570	1,434	1,448	1,429	1,398
Florida	7,460	7,850	6,901	6,308	6,306	6,285	6,248
Georgia	3,766	4,159	3,557	3,315	3,509	3,534	3,522
Hawaii	457	474	457	470	473	496	495
Idaho	74	67	64	57	59	59	58
Illinois	4,380	3,652	3,251	2,735	2,677	2,611	2,718
Indiana	4,680	3,690	3,122	2,523	2,552	2,470	2,575
Iowa	1,163	1,188	1,066	961	966	965	966
Kansas	1,656	1,835	1,557	1,442	1,475	1,458	1,446
Kentucky	767	780	659	580	594	593	588
Louisiana	1,612	1,319	1,186	1,086	966	988	1,040
Maine	995	1,134	1,024	1,103	918	961	963
Maryland	6,793	7,144	6,538	6,144	6,094	6,026	5,937
Massachusetts	13,810	14,417	13,212	12,322	12,057	11,671	11,425
Michigan	3,641	3,056	2,770	2,192	1,984	1,979	2,132
Minnesota	1,246	1,271	1,072	941	931	919	908
Mississippi	2,485	3,097	2,836	3,335	2,559	2,802	2,875
Missouri	9,734	10,477	9,096	8,378	8,364	8,172	8,054
Montana	157	157	144	124	126	129	128
Nebraska	326	299	286	261	263	259	256
Nevada	558	605	519	473	485	483	479
New Hampshire	1,252	1,311	1,184	1,088	1,099	1,095	1,098
New Jersey	5,485	5,837	5,264	4,882	4,964	4,927	4,860
New Mexico	825	840	790	750	744	721	704
New York	7,709	8,121	7,384	7,017	6,670	6,644	6,603
North Carolina	795	769	714	658	693	698	691
North Dakota	52	47	45	41	44	45	45
Ohio	4,375	4,465	4,052	3,764	3,740	3,653	3,590
Oklahoma	787	842	742	701	768	783	780
Oregon	983	820	733	641	607	583	593
Pennsylvania	6,834	6,648	5,832	5,355	5,075	5,085	5,197
Rhode Island	292	311	279	264	280	283	282
South Carolina	1,696	1,454	1,233	1,032	1,001	996	1,048
South Dakota	88	90	78	71	75	75	75
Tennessee	1,637	1,607	1,433	1,314	1,282	1,233	1,204
Texas	26,123	26,964	23,213	21,094	21,146	20,665	20,558
Utah	1,785	1,936	1,729	1,612	1,676	1,682	1,659
Vermont	557	606	491	431	429	421	412
Virginia	16,988	18,669	17,178	17,500	15,844	16,171	16,158
Washington	3,110	3,364	2,984	2,865	2,841	2,830	2,805
West Virginia	206	200	181	164	164	161	159
Wisconsin	7,754	6,212	5,267	4,496	4,581	4,539	4,760
Wyoming	78	70	64	58	60	61	61
<b>U.S. Total</b>	<b>221,205</b>	<b>228,949</b>	<b>203,776</b>	<b>191,530</b>	<b>185,829</b>	<b>184,140</b>	<b>183,379</b>

Source: RDEPPS Calculations

**Table 13**  
**Projections of Total Direct Expenditures, Excluding Procurement and RDT&E, by State**  
(Millions of 2012 dollars)

<b>State</b>	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
Alabama	11,047	11,004	9,267	8,613	7,634	7,613	7,576
Alaska	6,047	6,190	5,287	4,891	5,000	4,958	4,914
Arizona	12,229	12,756	10,932	10,108	8,924	8,884	8,850
Arkansas	3,181	3,145	2,755	2,567	2,130	2,106	2,088
California	47,710	48,204	40,760	37,530	34,088	33,878	33,693
Colorado	10,333	10,445	9,107	8,491	7,638	7,574	7,516
Connecticut	3,275	3,220	2,713	2,439	2,214	2,183	2,165
Delaware	1,362	1,348	1,176	1,088	960	946	935
District of Columbia	8,803	9,003	7,553	7,041	7,258	7,254	7,226
Florida	27,807	27,638	23,375	21,322	17,263	17,088	16,952
Georgia	19,876	19,905	17,595	16,659	15,670	15,555	15,437
Hawaii	9,892	10,019	9,022	8,700	8,989	8,942	8,880
Idaho	1,417	1,402	1,240	1,168	955	944	934
Illinois	11,708	11,427	9,712	8,778	8,086	7,963	7,888
Indiana	5,714	5,465	4,486	4,058	3,664	3,629	3,601
Iowa	2,147	2,036	1,661	1,463	1,257	1,235	1,221
Kansas	5,318	5,370	4,824	4,580	4,435	4,390	4,351
Kentucky	13,909	14,698	12,653	11,885	11,729	11,715	11,676
Louisiana	7,169	7,018	5,994	5,422	5,026	4,925	4,862
Maine	2,447	2,437	2,114	2,087	1,878	1,881	1,874
Maryland	18,368	18,540	15,672	14,534	13,567	13,502	13,430
Massachusetts	7,155	7,223	5,942	5,129	4,719	4,625	4,575
Michigan	5,748	5,534	4,697	4,289	3,817	3,759	3,721
Minnesota	3,994	3,916	3,266	2,907	2,579	2,542	2,520
Mississippi	4,407	4,374	3,798	3,559	3,161	3,139	3,117
Missouri	7,553	7,565	6,599	5,992	5,387	5,294	5,239
Montana	1,100	1,087	963	900	765	753	745
Nebraska	3,275	3,245	2,789	2,584	2,356	2,336	2,319
Nevada	4,561	4,568	3,887	3,504	2,982	2,942	2,915
New Hampshire	1,382	1,391	1,160	1,008	791	773	763
New Jersey	9,981	9,783	8,113	7,353	7,020	6,954	6,905
New Mexico	3,668	3,674	3,239	3,042	2,675	2,651	2,630
New York	14,151	14,019	11,759	10,617	10,204	10,067	9,973
North Carolina	15,766	15,953	14,348	13,639	12,719	12,599	12,488
North Dakota	1,283	1,285	1,145	1,084	1,071	1,060	1,051
Ohio	10,621	10,332	8,879	8,346	7,599	7,554	7,510
Oklahoma	6,956	6,885	6,186	6,003	5,644	5,624	5,592
Oregon	2,746	2,638	2,210	1,994	1,559	1,532	1,514
Pennsylvania	13,038	12,792	10,591	9,647	8,725	8,658	8,604
Rhode Island	1,581	1,547	1,328	1,276	1,177	1,178	1,174
South Carolina	8,572	8,726	7,471	6,882	5,912	5,874	5,838
South Dakota	1,282	1,328	1,179	1,124	1,010	1,006	1,002
Tennessee	6,430	6,246	5,275	4,775	3,746	3,697	3,664
Texas	39,346	39,533	34,603	32,124	29,220	28,886	28,627
Utah	4,044	3,899	3,476	3,385	3,176	3,161	3,142
Vermont	470	459	396	365	302	296	293
Virginia	59,839	61,078	50,978	46,820	43,289	43,125	42,910
Washington	13,021	12,966	11,745	11,387	10,437	10,375	10,303
West Virginia	1,249	1,207	1,022	932	749	739	732
Wisconsin	4,348	4,286	3,529	3,104	2,738	2,696	2,672
Wyoming	922	902	782	729	665	657	651
<b>U.S. Total</b>	<b>488,249</b>	<b>489,712</b>	<b>419,252</b>	<b>387,922</b>	<b>354,558</b>	<b>351,719</b>	<b>349,258</b>

Source: RDEPPS Calculations

**Table 14**  
**Projections of Indirect Defense Purchases Resulting from Direct Purchases, by State**  
(Millions of 2012 dollars)

<b>State</b>	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
Alabama	8,934	8,994	7,603	6,862	6,546	6,350	6,248
Alaska	2,642	2,670	2,193	1,901	1,837	1,804	1,784
Arizona	6,607	6,744	5,612	5,030	4,888	4,819	4,798
Arkansas	2,718	2,712	2,217	1,951	1,873	1,837	1,822
California	46,206	46,710	38,558	34,115	32,881	32,300	32,029
Colorado	6,970	7,049	5,873	5,219	5,024	4,927	4,880
Connecticut	6,093	6,153	5,169	4,645	4,477	4,392	4,358
Delaware	1,770	1,779	1,459	1,293	1,250	1,229	1,219
District of Columbia	4,119	4,249	3,357	2,889	2,786	2,762	2,750
Florida	16,187	16,427	13,397	11,803	11,406	11,242	11,167
Georgia	11,764	11,906	9,705	8,527	8,240	8,112	8,047
Hawaii	2,479	2,526	2,042	1,779	1,720	1,698	1,686
Idaho	1,008	1,020	838	741	714	701	694
Illinois	16,137	16,147	13,213	11,661	11,205	11,018	10,935
Indiana	9,231	9,026	7,348	6,433	6,164	6,036	5,998
Iowa	3,144	3,131	2,572	2,291	2,193	2,156	2,140
Kansas	3,442	3,502	2,919	2,618	2,541	2,501	2,497
Kentucky	5,440	5,378	4,360	3,807	3,667	3,602	3,579
Louisiana	8,668	8,593	7,027	6,094	5,902	5,786	5,731
Maine	1,069	1,085	898	798	773	761	756
Maryland	10,126	10,349	8,417	7,388	7,126	7,035	6,986
Massachusetts	11,388	11,516	9,807	8,866	8,506	8,324	8,246
Michigan	11,051	10,725	9,039	7,749	7,146	7,031	7,066
Minnesota	6,501	6,525	5,366	4,745	4,573	4,495	4,462
Mississippi	2,813	2,849	2,333	2,051	1,984	1,953	1,938
Missouri	7,789	7,853	6,580	5,875	5,645	5,528	5,480
Montana	742	744	614	545	526	517	516
Nebraska	1,987	2,001	1,638	1,445	1,389	1,366	1,356
Nevada	2,606	2,645	2,155	1,895	1,831	1,805	1,790
New Hampshire	1,426	1,433	1,184	1,051	1,010	992	983
New Jersey	12,713	12,925	10,628	9,407	9,122	9,002	8,934
New Mexico	2,373	2,399	1,991	1,751	1,689	1,655	1,636
New York	22,835	23,042	18,947	16,771	16,155	15,909	15,798
North Carolina	9,975	10,079	8,237	7,248	6,973	6,854	6,796
North Dakota	586	588	482	425	409	403	399
Ohio	15,390	15,277	12,525	11,032	10,599	10,398	10,325
Oklahoma	4,002	4,025	3,299	2,881	2,778	2,731	2,707
Oregon	3,892	3,909	3,200	2,820	2,718	2,663	2,636
Pennsylvania	15,625	15,758	12,888	11,316	10,882	10,689	10,609
Rhode Island	1,284	1,293	1,046	913	879	866	860
South Carolina	5,467	5,491	4,396	3,814	3,668	3,614	3,590
South Dakota	656	664	545	483	465	458	454
Tennessee	6,655	6,598	5,401	4,759	4,572	4,485	4,449
Texas	39,329	39,534	32,537	28,568	27,574	27,098	26,887
Utah	3,180	3,262	2,707	2,426	2,366	2,338	2,320
Vermont	462	464	381	337	324	318	315
Virginia	23,786	24,483	19,712	17,198	16,619	16,430	16,337
Washington	7,532	7,636	6,317	5,597	5,413	5,317	5,278
West Virginia	1,483	1,478	1,201	1,047	1,007	984	973
Wisconsin	7,171	7,235	5,950	5,259	5,046	4,954	4,910
Wyoming	859	860	705	609	589	575	568
<b>U.S. Total</b>	<b>406,312</b>	<b>409,439</b>	<b>336,588</b>	<b>296,726</b>	<b>285,670</b>	<b>280,823</b>	<b>278,722</b>

Source: RDEPPS Calculations

**Table 15**  
**Projections of Induced Defense Purchases Resulting from Direct Pay, by State**  
(Millions of 2012 dollars)

<b>State</b>	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
Alabama	2,230	2,201	2,207	2,367	2,661	2,672	2,651
Alaska	1,005	990	992	1,063	1,196	1,201	1,193
Arizona	1,836	1,812	1,818	1,951	2,193	2,201	2,184
Arkansas	874	862	864	927	1,041	1,044	1,034
California	11,355	11,197	11,242	12,065	13,553	13,587	13,465
Colorado	2,402	2,370	2,383	2,562	2,882	2,894	2,871
Connecticut	885	872	877	944	1,062	1,065	1,056
Delaware	394	386	388	416	468	470	466
District of Columbia	1,302	1,283	1,287	1,381	1,553	1,561	1,550
Florida	5,583	5,508	5,530	5,937	6,676	6,701	6,648
Georgia	5,129	5,062	5,081	5,455	6,135	6,161	6,114
Hawaii	2,211	2,179	2,182	2,339	2,631	2,643	2,626
Idaho	425	419	420	451	506	507	503
Illinois	3,104	3,057	3,070	3,297	3,705	3,715	3,680
Indiana	1,721	1,699	1,704	1,825	2,050	2,055	2,036
Iowa	683	673	675	724	813	814	806
Kansas	1,436	1,416	1,422	1,526	1,716	1,722	1,709
Kentucky	2,216	2,186	2,191	2,348	2,639	2,648	2,626
Louisiana	1,723	1,681	1,675	1,785	1,997	1,996	1,971
Maine	478	472	473	508	571	573	569
Maryland	3,026	2,983	2,992	3,210	3,610	3,625	3,599
Massachusetts	1,529	1,507	1,515	1,628	1,830	1,835	1,819
Michigan	2,146	2,127	2,135	2,289	2,567	2,570	2,543
Minnesota	1,105	1,089	1,093	1,173	1,316	1,319	1,305
Mississippi	1,012	999	1,001	1,074	1,207	1,211	1,202
Missouri	1,778	1,755	1,761	1,890	2,124	2,131	2,113
Montana	272	268	269	288	324	325	322
Nebraska	699	689	691	740	832	834	827
Nevada	823	812	814	874	983	986	979
New Hampshire	311	307	308	330	371	372	369
New Jersey	2,489	2,452	2,465	2,649	2,980	2,991	2,966
New Mexico	856	845	846	907	1,019	1,022	1,014
New York	5,120	5,039	5,087	5,484	6,175	6,198	6,145
North Carolina	5,057	4,986	4,997	5,360	6,026	6,049	6,002
North Dakota	328	323	324	347	390	391	388
Ohio	3,097	3,057	3,064	3,286	3,690	3,700	3,666
Oklahoma	1,783	1,758	1,763	1,890	2,125	2,134	2,117
Oregon	789	781	783	840	943	944	935
Pennsylvania	3,122	3,076	3,087	3,313	3,725	3,737	3,706
Rhode Island	386	380	381	409	460	462	458
South Carolina	1,733	1,711	1,715	1,840	2,069	2,078	2,063
South Dakota	291	287	288	309	347	348	345
Tennessee	1,667	1,647	1,652	1,773	1,991	1,997	1,979
Texas	9,981	9,822	9,841	10,546	11,847	11,881	11,778
Utah	1,014	1,000	1,003	1,075	1,209	1,214	1,204
Vermont	140	138	139	149	168	168	167
Virginia	7,908	7,795	7,811	8,377	9,420	9,460	9,393
Washington	3,576	3,525	3,535	3,792	4,263	4,279	4,245
West Virginia	307	303	304	326	366	368	365
Wisconsin	1,051	1,037	1,041	1,118	1,255	1,259	1,247
Wyoming	204	201	202	216	243	244	242
<b>U.S. Total</b>	<b>110,592</b>	<b>109,025</b>	<b>109,385</b>	<b>117,373</b>	<b>131,920</b>	<b>132,359</b>	<b>131,262</b>

Source: RDEPPS Calculations

## **SECTION II: PROJECTIONS FOR SELECTED INDUSTRIES (IDEPPS)**

The tables in this section show projected direct and indirect defense purchases from the 75 manufacturing industries most affected by defense spending.<sup>5</sup> A separate table is provided for each industry.

The upper portion of each table provides projections of direct and indirect defense purchases for calendar years 2010 to 2016. The lower portion of each table displays the purchasing sectors for the indirect sales of the subject industry in those years.

As indicated in the introduction, indirect (sometimes called intermediate) demand reflects the costs of materials, parts, and services that prime contractors buy from suppliers to perform work for which DoD has contracted. Those sales, in turn, trigger subsequent rounds of transactions as subcontractors purchase goods and services from their major suppliers and those firms place orders with companies at lower tiers of the production chain. For example, a direct expenditure for aircraft stimulates indirect purchases for the electronic components, tires, aluminum, engineering and logistic services used to manufacture the aircraft. The term “indirect defense purchases” applies to this sequence of purchases—goods and services from subcontractors and lower-tier suppliers.

In addition, for the top 10 defense industries, tables are provided that display the origins of defense-related demand (both direct and indirect) by DoD purchasing function. That is, these tables trace the source of industrial demand by DoD appropriation such as operations and maintenance or aircraft procurement.

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<sup>5</sup> Although IDEPPS, the detailed interindustry model, forecasts defense demands by 360 industries, only the top 75 are presented in this section. A summary of all 360 industries sorted by the industry number is presented in the appendix.

**Table 1a Projected Defense Purchases of  
303 Architectural, engineering, and related services**

(Millions of 2012 dollars)

	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	44,690	48,332	40,821	36,830	36,068	35,036	34,164
Indirect Purchases	9,788	10,134	8,304	7,229	6,911	6,746	6,659
<b>Total :</b>	<b>54,478</b>	<b>58,466</b>	<b>49,126</b>	<b>44,059</b>	<b>42,979</b>	<b>41,781</b>	<b>40,823</b>
<b>INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR</b>							
Aircraft Engines	49	58	51	47	49	47	47
Aircraft Parts	148	176	149	135	138	134	132
Ammunition	28	32	24	20	18	18	17
Communication Equipment	237	247	216	192	193	194	195
Missiles	283	307	267	253	262	263	263
Motor Vehicles	26	15	12	7	7	6	6
Shipbuilding	223	291	268	333	234	263	272
Tanks	36	23	19	11	8	9	13
Other Electronic Equipment	18	19	17	16	15	15	15
Other Ordinances	24	24	19	16	16	15	15
Other	8,716	8,942	7,261	6,199	5,971	5,783	5,684
<b>Total :</b>	<b>9,788</b>	<b>10,134</b>	<b>8,304</b>	<b>7,229</b>	<b>6,911</b>	<b>6,746</b>	<b>6,659</b>

*Note: numbers may not add due to rounding*

**Table 1b Sources of Projected Defense Purchases  
303 Architectural, engineering, and related services**

(Millions of 2012 dollars)

	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES BY BUDGET CATEGORY</b>							
Military Personnel	260	212	173	169	170	169	167
Operations & Maintenance *	24,727	26,357	20,447	17,341	16,911	16,867	16,866
Aircraft	3,150	4,084	3,261	3,022	3,143	3,006	2,826
Missiles	1,503	1,633	1,488	1,398	1,513	1,517	1,581
Weapons and Tracked Vehicles	785	523	475	280	183	151	216
Shipbuilding	4,377	5,850	4,429	4,869	5,349	5,186	4,908
Ammunition	79	106	88	72	69	75	89
Other	4,224	4,211	4,267	3,424	3,276	3,459	3,420
<b>Total Procurement</b>	<b>14,118</b>	<b>16,407</b>	<b>14,008</b>	<b>13,067</b>	<b>13,533</b>	<b>13,394</b>	<b>13,040</b>
RDT&E	12,663	12,860	12,115	11,439	10,535	9,680	9,151
Military Construction	2,482	2,411	2,217	1,908	1,719	1,578	1,510
Family Housing	228	218	165	137	112	94	90
<b>Total :</b>	<b>54,478</b>	<b>58,466</b>	<b>49,126</b>	<b>44,059</b>	<b>42,979</b>	<b>41,781</b>	<b>40,823</b>

Direct plus indirect purchases.

\* Includes net funds appropriated to Defense-Wide Contingencies; Revolving and Management Funds; Trust Receipts; Deductions, Intragovernment Receipts.

Note: Numbers may not add due to rounding

**Table 2a Projected Defense Purchases of  
310 Scientific research and development services**

(Millions of 2012 dollars)

	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	44,555	45,194	41,794	39,094	37,350	35,883	35,085
Indirect Purchases	4,147	4,354	3,706	3,367	3,211	3,189	3,194
<b>Total :</b>	<b>48,702</b>	<b>49,548</b>	<b>45,500</b>	<b>42,460</b>	<b>40,562</b>	<b>39,072</b>	<b>38,279</b>
<b>INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR</b>							
Aircraft Engines	74	86	76	71	72	70	70
Aircraft Parts	174	207	176	159	163	158	155
Ammunition	35	40	30	24	22	22	21
Communication Equipment	899	936	819	725	731	734	738
Missiles	237	258	224	212	219	219	220
Motor Vehicles	48	28	22	14	13	10	12
Shipbuilding	255	334	307	382	268	301	311
Tanks	69	44	37	21	16	18	25
Other Electronic Equipment	96	102	93	86	86	82	81
Other Ordinances	21	21	17	14	14	14	13
Other	2,238	2,299	1,905	1,658	1,607	1,561	1,548
<b>Total :</b>	<b>4,147</b>	<b>4,354</b>	<b>3,706</b>	<b>3,366</b>	<b>3,211</b>	<b>3,189</b>	<b>3,194</b>

*Note: numbers may not add due to rounding*

**Table 2b Sources of Projected Defense Purchases**  
**310 Scientific research and development services**

(Millions of 2012 dollars)

	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES BY BUDGET CATEGORY</b>							
Military Personnel	151	130	104	101	102	101	99
Operations & Maintenance *	7,180	7,531	5,526	4,403	4,297	4,286	4,273
Aircraft	638	792	639	598	625	610	606
Missiles	797	845	749	724	792	817	882
Weapons and Tracked Vehicles	189	106	86	50	43	35	45
Shipbuilding	345	464	424	562	386	437	441
Ammunition	187	237	188	152	142	148	165
Other	2,982	2,791	2,818	2,443	2,437	2,553	2,568
<b>Total Procurement</b>	<b>5,137</b>	<b>5,235</b>	<b>4,903</b>	<b>4,529</b>	<b>4,425</b>	<b>4,600</b>	<b>4,707</b>
RDT&E	36,091	36,490	34,816	33,294	31,614	29,964	29,080
Military Construction	133	152	144	126	118	117	115
Family Housing	10	9	7	6	5	4	4
<b>Total :</b>	<b>48,702</b>	<b>49,548</b>	<b>45,500</b>	<b>42,460</b>	<b>40,562</b>	<b>39,072</b>	<b>38,279</b>

Direct plus indirect purchases.

\* Includes net funds appropriated to Defense-Wide Contingencies; Revolving and Management Funds; Trust Receipts; Deductions, Intragovernment Receipts.

Note: Numbers may not add due to rounding

**Table 3a Projected Defense Purchases of  
235 Aircraft**

(Millions of 2012 dollars)

	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	32,618	37,005	30,174	27,682	27,733	27,178	26,613
Indirect Purchases	184	188	154	138	133	128	126
<b>Total :</b>	<b>32,802</b>	<b>37,193</b>	<b>30,328</b>	<b>27,820</b>	<b>27,866</b>	<b>27,306</b>	<b>26,739</b>
<b>INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR</b>							
Aircraft Engines	0	0	0	0	0	0	0
Aircraft Parts	5	6	5	4	4	4	4
Ammunition	0	0	0	0	0	0	0
Communication Equipment	1	1	1	1	1	1	1
Missiles	2	2	2	2	2	2	2
Motor Vehicles	0	0	0	0	0	0	0
Shipbuilding	0	0	0	1	0	0	0
Tanks	0	0	0	0	0	0	0
Other Electronic Equipment	0	0	0	0	0	0	0
Other Ordinances	0	0	0	0	0	0	0
Other	176	179	146	130	125	121	119
<b>Total :</b>	<b>184</b>	<b>188</b>	<b>154</b>	<b>138</b>	<b>133</b>	<b>128</b>	<b>126</b>

*Note: numbers may not add due to rounding*

**Table 3b Sources of Projected Defense Purchases  
235 Aircraft**

(Millions of 2012 dollars)

	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES BY BUDGET CATEGORY</b>							
Military Personnel	30	23	19	19	19	19	19
Operations & Maintenance *	1,524	1,575	1,115	807	787	769	759
Aircraft	22,579	26,865	21,193	19,507	20,432	20,444	20,267
Missiles	22	25	21	21	23	24	26
Weapons and Tracked Vehicles	2	1	1	1	1	1	0
Shipbuilding	1	1	1	1	1	1	1
Ammunition	2	4	3	2	2	3	3
Other	293	321	253	251	270	249	235
<b>Total Procurement</b>	<b>22,898</b>	<b>27,216</b>	<b>21,472</b>	<b>19,783</b>	<b>20,729</b>	<b>20,721</b>	<b>20,532</b>
RDT&E	8,345	8,372	7,715	7,205	6,326	5,791	5,423
Military Construction	5	7	7	6	6	6	6
Family Housing	0	0	0	0	0	0	0
<b>Total :</b>	<b>32,802</b>	<b>37,193</b>	<b>30,328</b>	<b>27,820</b>	<b>27,866</b>	<b>27,306</b>	<b>26,739</b>

Direct plus indirect purchases.

\* Includes net funds appropriated to Defense-Wide Contingencies; Revolving and Management Funds; Trust Receipts; Deductions, Intragovernment Receipts.

Note: Numbers may not add due to rounding

**Table 4a Projected Defense Purchases of  
315 Management of companies and enterprises**

(Millions of 2012 dollars)

	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	0	0	0	0	0	0	0
Indirect Purchases	27,991	28,671	23,963	21,258	20,594	20,258	20,183
<b>Total :</b>	<b>27,991</b>	<b>28,671</b>	<b>23,963</b>	<b>21,258</b>	<b>20,594</b>	<b>20,258</b>	<b>20,183</b>
<b>INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR</b>							
Aircraft Engines	683	799	709	656	671	650	650
Aircraft Parts	1,699	2,029	1,721	1,556	1,595	1,549	1,521
Ammunition	318	363	272	221	204	199	194
Communication Equipment	3,765	3,916	3,423	3,033	3,057	3,066	3,084
Missiles	1,761	1,911	1,661	1,571	1,625	1,629	1,633
Motor Vehicles	455	260	213	129	123	98	114
Shipbuilding	801	1,043	956	1,189	833	933	963
Tanks	649	409	347	199	150	170	239
Other Electronic Equipment	396	417	380	352	350	336	329
Other Ordinances	211	209	167	141	139	136	130
Other	17,253	17,315	14,114	12,210	11,845	11,492	11,326
<b>Total :</b>	<b>27,991</b>	<b>28,671</b>	<b>23,963</b>	<b>21,257</b>	<b>20,594</b>	<b>20,258</b>	<b>20,183</b>

*Note: numbers may not add due to rounding*

**Table 4b Sources of Projected Defense Purchases  
315 Management of companies and enterprises**

(Millions of 2012 dollars)

	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES BY BUDGET CATEGORY</b>							
Military Personnel	1,930	1,546	1,266	1,229	1,236	1,229	1,218
Operations & Maintenance *	9,383	9,928	7,598	6,064	5,865	5,748	5,687
Aircraft	3,265	4,049	3,283	3,055	3,166	3,060	3,021
Missiles	1,010	1,079	966	914	1,008	1,036	1,100
Weapons and Tracked Vehicles	1,601	885	727	405	338	273	354
Shipbuilding	934	1,259	1,104	1,376	1,041	1,139	1,155
Ammunition	413	524	400	320	292	296	316
Other	4,438	4,361	3,893	3,466	3,564	3,674	3,697
<b>Total Procurement</b>	<b>11,660</b>	<b>12,158</b>	<b>10,373</b>	<b>9,535</b>	<b>9,408</b>	<b>9,479</b>	<b>9,642</b>
RDT&E	4,324	4,367	4,127	3,914	3,625	3,385	3,240
Military Construction	616	597	540	464	417	380	362
Family Housing	78	76	59	52	43	36	34
<b>Total :</b>	<b>27,991</b>	<b>28,671</b>	<b>23,963</b>	<b>21,258</b>	<b>20,594</b>	<b>20,258</b>	<b>20,183</b>

Direct plus indirect purchases.

\* Includes net funds appropriated to Defense-Wide Contingencies; Revolving and Management Funds; Trust Receipts; Deductions, Intragovernment Receipts.

Note: Numbers may not add due to rounding

**Table 5a Projected Defense Purchases of**

**265 Wholesale trade**

(Millions of 2012 dollars)

	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	6,654	7,511	6,950	6,161	5,890	5,768	5,730
Indirect Purchases	18,875	19,009	15,740	13,880	13,316	13,112	13,056
<b>Total :</b>	<b>25,529</b>	<b>26,520</b>	<b>22,689</b>	<b>20,042</b>	<b>19,206</b>	<b>18,880</b>	<b>18,786</b>
<b>INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR</b>							
Aircraft Engines	169	197	174	161	164	159	158
Aircraft Parts	523	621	523	472	483	468	457
Ammunition	222	252	188	153	141	137	133
Communication Equipment	1,919	1,984	1,747	1,547	1,543	1,543	1,540
Missiles	482	521	451	427	441	441	441
Motor Vehicles	363	207	168	102	96	77	89
Shipbuilding	724	940	860	1,068	748	836	862
Tanks	428	269	227	130	98	111	156
Other Electronic Equipment	330	346	316	293	292	280	274
Other Ordinances	160	157	125	105	104	101	97
Other	13,557	13,515	10,960	9,421	9,205	8,960	8,849
<b>Total :</b>	<b>18,875</b>	<b>19,009</b>	<b>15,739</b>	<b>13,880</b>	<b>13,316</b>	<b>13,112</b>	<b>13,057</b>

*Note: numbers may not add due to rounding*

**Table 5b Sources of Projected Defense Purchases**

**265 Wholesale trade**

(Millions of 2012 dollars)

	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES BY BUDGET CATEGORY</b>							
Military Personnel	1,501	1,276	1,027	996	1,000	991	979
Operations & Maintenance *	12,852	14,107	11,941	10,109	9,698	9,495	9,416
Aircraft	2,072	2,494	2,003	1,851	1,927	1,903	1,875
Missiles	390	405	361	343	378	388	413
Weapons and Tracked Vehicles	1,481	809	657	389	344	272	340
Shipbuilding	767	1,036	921	1,158	844	934	953
Ammunition	251	314	236	187	169	169	176
Other	2,940	2,840	2,552	2,261	2,328	2,406	2,422
<b>Total Procurement</b>	<b>7,901</b>	<b>7,897</b>	<b>6,731</b>	<b>6,188</b>	<b>5,991</b>	<b>6,073</b>	<b>6,179</b>
RDT&E	2,177	2,193	2,064	1,954	1,807	1,680	1,602
Military Construction	980	932	836	716	644	586	557
Family Housing	118	115	90	78	65	55	52
<b>Total :</b>	<b>25,529</b>	<b>26,520</b>	<b>22,689</b>	<b>20,042</b>	<b>19,206</b>	<b>18,880</b>	<b>18,786</b>

Direct plus indirect purchases.

\* Includes net funds appropriated to Defense-Wide Contingencies; Revolving and Management Funds; Trust Receipts; Deductions, Intragovernment Receipts.

Note: Numbers may not add due to rounding

**Table 6a Projected Defense Purchases of  
285 Telecommunications**

(Millions of 2012 dollars)

	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	16,538	17,073	13,625	11,370	11,099	11,057	11,018
Indirect Purchases	10,562	10,812	8,757	7,566	7,329	7,246	7,201
<b>Total :</b>	<b>27,100</b>	<b>27,884</b>	<b>22,382</b>	<b>18,936</b>	<b>18,428</b>	<b>18,303</b>	<b>18,219</b>
<b>INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR</b>							
Aircraft Engines	57	66	59	54	56	54	54
Aircraft Parts	125	150	127	115	117	114	112
Ammunition	39	45	34	27	25	25	24
Communication Equipment	367	380	336	298	298	298	299
Missiles	154	167	145	137	142	142	142
Motor Vehicles	42	24	19	12	11	9	10
Shipbuilding	152	199	183	227	159	178	185
Tanks	61	38	32	19	14	16	22
Other Electronic Equipment	32	33	30	28	28	27	26
Other Ordinances	31	30	24	20	20	20	19
Other	9,503	9,679	7,769	6,629	6,459	6,364	6,309
<b>Total :</b>	<b>10,562</b>	<b>10,812</b>	<b>8,757</b>	<b>7,566</b>	<b>7,329</b>	<b>7,246</b>	<b>7,201</b>

*Note: numbers may not add due to rounding*

**Table 6b Sources of Projected Defense Purchases**  
**285 Telecommunications**

(Millions of 2012 dollars)

	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES BY BUDGET CATEGORY</b>							
Military Personnel	651	497	412	400	403	401	399
Operations & Maintenance *	21,806	22,725	17,684	14,679	14,355	14,315	14,288
Aircraft	508	619	497	461	482	476	467
Missiles	179	185	163	152	167	169	179
Weapons and Tracked Vehicles	177	99	85	49	39	31	40
Shipbuilding	223	300	256	314	253	271	271
Ammunition	50	63	48	38	35	35	38
Other	1,674	1,547	1,524	1,244	1,218	1,243	1,232
<b>Total Procurement</b>	<b>2,811</b>	<b>2,813</b>	<b>2,572</b>	<b>2,259</b>	<b>2,194</b>	<b>2,225</b>	<b>2,228</b>
RDT&E	1,342	1,362	1,294	1,230	1,153	1,076	1,031
Military Construction	315	303	275	236	213	196	187
Family Housing	176	183	146	133	110	91	86
<b>Total :</b>	<b>27,100</b>	<b>27,884</b>	<b>22,382</b>	<b>18,936</b>	<b>18,428</b>	<b>18,303</b>	<b>18,219</b>

Direct plus indirect purchases.

\* Includes net funds appropriated to Defense-Wide Contingencies; Revolving and Management Funds; Trust Receipts; Deductions, Intragovernment Receipts.

Note: Numbers may not add due to rounding

**Table 7a Projected Defense Purchases of  
270 Truck transportation**

(Millions of 2012 dollars)

	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	25,635	20,720	15,627	12,999	12,877	12,747	12,667
Indirect Purchases	7,007	6,822	5,519	4,798	4,640	4,551	4,520
<b>Total :</b>	<b>32,642</b>	<b>27,542</b>	<b>21,145</b>	<b>17,797</b>	<b>17,518</b>	<b>17,298</b>	<b>17,187</b>
<b>INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR</b>							
Aircraft Engines	77	89	79	73	75	72	72
Aircraft Parts	407	486	412	372	381	370	363
Ammunition	58	66	49	40	37	36	35
Communication Equipment	230	237	207	183	184	183	183
Missiles	138	149	129	122	126	126	126
Motor Vehicles	93	53	43	26	25	20	23
Shipbuilding	155	201	183	228	159	178	183
Tanks	89	56	47	27	20	23	32
Other Electronic Equipment	36	37	33	31	31	29	29
Other Ordinances	44	44	35	29	29	28	27
Other	5,681	5,404	4,301	3,667	3,574	3,486	3,448
<b>Total :</b>	<b>7,007</b>	<b>6,822</b>	<b>5,518</b>	<b>4,798</b>	<b>4,640</b>	<b>4,551</b>	<b>4,520</b>

*Note: numbers may not add due to rounding*

**Table 7b Sources of Projected Defense Purchases**

**270 Truck transportation**

(Millions of 2012 dollars)

	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES BY BUDGET CATEGORY</b>							
Military Personnel	14,529	10,218	8,584	8,345	8,416	8,412	8,387
Operations & Maintenance *	12,450	12,832	8,438	5,965	5,739	5,536	5,398
Aircraft	622	768	619	574	597	580	570
Missiles	98	103	92	87	96	99	105
Weapons and Tracked Vehicles	312	169	137	79	70	55	69
Shipbuilding	172	231	203	254	188	207	210
Ammunition	76	95	71	56	51	50	52
Other	3,320	2,077	2,034	1,547	1,546	1,607	1,678
<b>Total Procurement</b>	<b>4,600</b>	<b>3,443</b>	<b>3,156</b>	<b>2,597</b>	<b>2,547</b>	<b>2,598</b>	<b>2,684</b>
RDT&E	671	675	638	606	563	525	502
Military Construction	340	323	289	248	223	202	192
Family Housing	51	51	40	35	29	25	23
<b>Total :</b>	<b>32,642</b>	<b>27,542</b>	<b>21,145</b>	<b>17,797</b>	<b>17,518</b>	<b>17,298</b>	<b>17,187</b>

Direct plus indirect purchases.

\* Includes net funds appropriated to Defense-Wide Contingencies; Revolving and Management Funds; Trust Receipts; Deductions, Intragovernment Receipts.

Note: Numbers may not add due to rounding

**Table 8a Projected Defense Purchases of  
32 New non-residential building construction**

(Millions of 2012 dollars)

	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	25,799	25,480	20,669	17,083	15,934	15,100	14,750
Indirect Purchases	12	17	16	13	13	15	20
<b>Total :</b>	<b>25,811</b>	<b>25,497</b>	<b>20,685</b>	<b>17,096</b>	<b>15,947</b>	<b>15,115</b>	<b>14,770</b>
<b>INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR</b>							
Other	12	17	16	13	13	15	20
<b>Total :</b>	<b>12</b>	<b>17</b>	<b>16</b>	<b>13</b>	<b>13</b>	<b>15</b>	<b>20</b>

**Table 8b Sources of Projected Defense Purchases**  
**32 New non-residential building construction**

(Millions of 2012 dollars)

	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES BY BUDGET CATEGORY</b>							
Operations & Maintenance *	12,075	12,570	9,377	7,463	7,326	7,303	7,285
Aircraft	0	0	0	0	0	0	0
Missiles	1	1	1	1	1	1	1
Shipbuilding	0	0	0	0	0	0	0
Ammunition	56	69	51	40	36	35	35
Other	29	9	17	9	7	6	6
Total Procurement	86	78	68	50	43	41	41
RDT&E	46	46	44	42	39	36	34
Military Construction	12,401	11,656	10,332	8,828	7,954	7,247	6,943
Family Housing	1,203	1,146	864	713	585	488	467
<b>Total :</b>	<b>25,811</b>	<b>25,497</b>	<b>20,685</b>	<b>17,096</b>	<b>15,947</b>	<b>15,115</b>	<b>14,770</b>

Direct plus indirect purchases.

\* Includes net funds appropriated to Defense-Wide Contingencies; Revolving and Management Funds; Trust Receipts; Deductions, Intragovernment Receipts.

Note: Numbers may not add due to rounding

**Table 9a Projected Defense Purchases of  
294 Real estate**

(Millions of 2012 dollars)

	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	5,968	6,102	4,709	3,963	3,764	3,646	3,607
Indirect Purchases	18,646	18,922	15,512	13,664	13,208	13,006	12,900
<b>Total :</b>	<b>24,613</b>	<b>25,025</b>	<b>20,221</b>	<b>17,627</b>	<b>16,973</b>	<b>16,653</b>	<b>16,507</b>
<b>INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR</b>							
Aircraft Engines	98	114	101	94	96	93	93
Aircraft Parts	268	319	270	244	250	243	238
Ammunition	91	104	78	63	59	57	56
Communication Equipment	644	669	586	519	521	522	523
Missiles	325	352	306	289	299	300	300
Motor Vehicles	95	54	44	27	25	20	23
Shipbuilding	277	362	332	413	289	324	335
Tanks	144	91	77	44	33	38	53
Other Electronic Equipment	78	82	74	69	69	66	64
Other Ordinances	67	66	53	45	44	43	41
Other	16,558	16,709	13,590	11,857	11,523	11,302	11,174
<b>Total :</b>	<b>18,646</b>	<b>18,922</b>	<b>15,512</b>	<b>13,664</b>	<b>13,208</b>	<b>13,006</b>	<b>12,900</b>

*Note: numbers may not add due to rounding*

**Table 9b Sources of Projected Defense Purchases**

**294 Real estate**

(Millions of 2012 dollars)

	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES BY BUDGET CATEGORY</b>							
Military Personnel	1,851	1,397	1,159	1,126	1,134	1,130	1,124
Operations & Maintenance *	13,761	14,639	11,130	9,212	8,952	8,896	8,856
Aircraft	941	1,151	922	855	892	877	861
Missiles	310	327	295	278	305	312	332
Weapons and Tracked Vehicles	399	224	192	109	86	69	90
Shipbuilding	435	587	498	604	499	529	528
Ammunition	120	152	115	92	84	85	90
Other	1,464	1,334	1,246	1,070	1,082	1,119	1,125
<b>Total Procurement</b>	<b>3,670</b>	<b>3,775</b>	<b>3,267</b>	<b>3,008</b>	<b>2,948</b>	<b>2,991</b>	<b>3,025</b>
RDT&E	3,142	3,178	3,019	2,877	2,705	2,541	2,448
Military Construction	1,214	1,088	937	804	737	682	656
Family Housing	975	948	709	601	497	412	397
<b>Total :</b>	<b>24,613</b>	<b>25,025</b>	<b>20,221</b>	<b>17,627</b>	<b>16,973</b>	<b>16,653</b>	<b>16,507</b>

Direct plus indirect purchases.

\* Includes net funds appropriated to Defense-Wide Contingencies; Revolving and Management Funds; Trust Receipts; Deductions, Intragovernment Receipts.

Note: Numbers may not add due to rounding

**Table 10a Projected Defense Purchases of  
35 Maintenance and repair of nonresidential buildings, infrastructure and other**

(Millions of 2012 dollars)

	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	19,436	19,482	14,117	11,006	10,611	10,368	10,241
Indirect Purchases	4,880	4,934	4,142	3,656	3,524	3,452	3,419
<b>Total :</b>	<b>24,316</b>	<b>24,416</b>	<b>18,259</b>	<b>14,662</b>	<b>14,135</b>	<b>13,820</b>	<b>13,659</b>
<b>INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR</b>							
Aircraft Engines	29	34	30	28	29	28	28
Aircraft Parts	72	85	72	65	67	64	63
Ammunition	36	41	31	25	23	23	22
Communication Equipment	151	156	136	121	121	122	122
Missiles	59	64	55	52	54	54	54
Motor Vehicles	32	18	15	9	8	7	8
Shipbuilding	99	129	118	147	103	115	119
Tanks	38	24	20	11	9	10	14
Other Electronic Equipment	22	23	21	20	20	19	18
Other Ordinances	19	18	15	12	12	12	11
Other	4,324	4,341	3,628	3,165	3,078	3,000	2,960
<b>Total :</b>	<b>4,880</b>	<b>4,934</b>	<b>4,142</b>	<b>3,656</b>	<b>3,524</b>	<b>3,452</b>	<b>3,419</b>

*Note: numbers may not add due to rounding*

**Table 10b Sources of Projected Defense Purchases**  
**35 Maintenance and repair of nonresidential buildings, infrastructure and other**

(Millions of 2012 dollars)

	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES BY BUDGET CATEGORY</b>							
Military Personnel	390	292	243	237	239	239	237
Operations & Maintenance *	17,414	18,084	12,845	9,827	9,614	9,530	9,467
Aircraft	362	437	346	321	336	335	331
Missiles	69	72	64	61	67	69	74
Weapons and Tracked Vehicles	128	70	59	36	31	24	30
Shipbuilding	122	165	144	179	137	149	151
Ammunition	70	86	65	51	46	46	47
Other	405	359	339	290	293	302	304
Total Procurement	1,156	1,189	1,017	938	910	925	936
RDT&E	1,165	1,177	1,120	1,069	1,009	951	919
Military Construction	3,602	3,110	2,608	2,239	2,074	1,934	1,870
Family Housing	590	563	425	352	289	241	231
<b>Total :</b>	<b>24,316</b>	<b>24,416</b>	<b>18,259</b>	<b>14,662</b>	<b>14,135</b>	<b>13,820</b>	<b>13,659</b>

Direct plus indirect purchases.

\* Includes net funds appropriated to Defense-Wide Contingencies; Revolving and Management Funds; Trust Receipts; Deductions, Intragovernment Receipts.

Note: Numbers may not add due to rounding

**Table 11 Projected Defense Purchases of  
241 Ship building and repairing**

(Millions of 2012 dollars)

	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	12,940	16,975	15,616	19,434	13,655	15,331	15,892
Indirect Purchases	290	258	207	189	176	181	188
<b>Total :</b>	<b>13,230</b>	<b>17,234</b>	<b>15,823</b>	<b>19,623</b>	<b>13,831</b>	<b>15,512</b>	<b>16,080</b>
<b>INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR</b>							
Aircraft Engines	0	0	0	0	0	0	0
Aircraft Parts	0	0	0	0	0	0	0
Ammunition	0	0	0	0	0	0	0
Communication Equipment	0	0	0	0	0	0	0
Missiles	0	0	0	0	0	0	0
Motor Vehicles	0	0	0	0	0	0	0
Shipbuilding	23	34	33	40	29	35	43
Tanks	0	0	0	0	0	0	0
Other Electronic Equipment	0	0	0	0	0	0	0
Other Ordinances	0	0	0	0	0	0	0
Other	266	224	174	149	147	145	145
<b>Total :</b>	<b>290</b>	<b>258</b>	<b>207</b>	<b>189</b>	<b>176</b>	<b>181</b>	<b>188</b>

*Note: numbers may not add due to rounding*

**Table 12 Projected Defense Purchases of  
267 Air transportation**

(Millions of 2012 dollars)

	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	16,531	16,025	12,841	11,284	11,095	11,044	10,993
Indirect Purchases	2,494	2,627	2,144	1,915	1,891	1,884	1,874
<b>Total :</b>	<b>19,025</b>	<b>18,652</b>	<b>14,985</b>	<b>13,199</b>	<b>12,986</b>	<b>12,928</b>	<b>12,867</b>
<b>INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR</b>							
Aircraft Engines	20	23	20	19	19	19	19
Aircraft Parts	41	48	41	37	38	37	36
Ammunition	9	11	8	6	6	6	6
Communication Equipment	84	87	76	68	68	68	68
Missiles	55	59	52	49	51	51	51
Motor Vehicles	11	6	5	3	3	2	3
Shipbuilding	61	79	73	90	63	71	74
Tanks	15	9	8	5	3	4	5
Other Electronic Equipment	8	9	8	7	7	7	7
Other Ordinances	6	6	5	4	4	4	4
Other	2,185	2,289	1,848	1,627	1,628	1,616	1,602
<b>Total :</b>	<b>2,494</b>	<b>2,627</b>	<b>2,144</b>	<b>1,915</b>	<b>1,891</b>	<b>1,884</b>	<b>1,874</b>

*Note: numbers may not add due to rounding*

**Table 13 Projected Defense Purchases of  
237 Other aircraft parts and auxiliary equipment**

(Millions of 2012 dollars)

	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	10,848	13,005	11,008	9,929	10,166	9,860	9,661
Indirect Purchases	3,473	3,855	3,250	2,976	2,869	2,705	2,655
<b>Total :</b>	<b>14,321</b>	<b>16,860</b>	<b>14,258</b>	<b>12,904</b>	<b>13,035</b>	<b>12,565</b>	<b>12,316</b>
<b>INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR</b>							
Aircraft Engines	121	142	126	117	120	116	116
Aircraft Parts	696	830	713	653	677	672	685
Ammunition	6	7	5	4	4	4	4
Communication Equipment	9	9	8	7	7	7	7
Missiles	63	69	60	57	59	60	60
Motor Vehicles	1	0	0	0	0	0	0
Shipbuilding	1	1	1	1	1	1	1
Tanks	7	4	4	2	2	2	3
Other Electronic Equipment	0	0	0	0	0	0	0
Other Ordinances	7	7	6	5	5	5	4
Other	2,562	2,786	2,327	2,129	1,994	1,838	1,774
<b>Total :</b>	<b>3,473</b>	<b>3,855</b>	<b>3,250</b>	<b>2,976</b>	<b>2,869</b>	<b>2,705</b>	<b>2,655</b>

*Note: numbers may not add due to rounding*

**Table 14 Projected Defense Purchases of  
308 Management, scientific, and technical consulting services**

(Millions of 2012 dollars)

	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	9,468	9,990	7,186	5,711	5,658	5,661	5,644
Indirect Purchases	8,170	8,494	7,066	6,352	6,054	5,975	5,928
<b>Total :</b>	<b>17,638</b>	<b>18,484</b>	<b>14,252</b>	<b>12,062</b>	<b>11,711</b>	<b>11,636</b>	<b>11,572</b>
<b>INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR</b>							
Aircraft Engines	138	161	143	132	135	131	131
Aircraft Parts	127	152	129	117	120	116	114
Ammunition	38	43	32	26	24	24	23
Communication Equipment	370	384	338	299	300	301	301
Missiles	205	223	194	183	189	190	190
Motor Vehicles	36	20	17	10	10	8	9
Shipbuilding	351	460	423	526	369	414	429
Tanks	83	52	44	25	19	22	30
Other Electronic Equipment	34	36	32	30	30	29	28
Other Ordinances	33	33	26	22	22	21	20
Other	6,756	6,930	5,689	4,981	4,836	4,720	4,652
<b>Total :</b>	<b>8,170</b>	<b>8,494</b>	<b>7,066</b>	<b>6,352</b>	<b>6,054</b>	<b>5,975</b>	<b>5,928</b>

*Note: numbers may not add due to rounding*

**Table 15 Projected Defense Purchases of**

**94 Petroleum refineries**

(Millions of 2012 dollars)

	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	73	247	1,170	574	446	171	70
Indirect Purchases	16,374	15,776	12,674	10,839	10,519	10,315	10,211
<b>Total :</b>	<b>16,447</b>	<b>16,024</b>	<b>13,844</b>	<b>11,412</b>	<b>10,965</b>	<b>10,486</b>	<b>10,281</b>
<b>INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR</b>							
Aircraft Engines	48	56	50	46	47	46	45
Aircraft Parts	183	218	184	166	170	165	161
Ammunition	72	82	61	49	46	44	43
Communication Equipment	230	238	207	183	183	183	183
Missiles	116	125	108	102	105	105	105
Motor Vehicles	60	34	28	17	16	13	15
Shipbuilding	154	200	182	226	158	176	182
Tanks	74	46	39	22	17	19	26
Other Electronic Equipment	38	40	36	33	33	31	31
Other Ordinances	33	32	26	22	21	21	20
Other	15,366	14,704	11,753	9,971	9,723	9,513	9,401
<b>Total :</b>	<b>16,374</b>	<b>15,776</b>	<b>12,674</b>	<b>10,838</b>	<b>10,519</b>	<b>10,315</b>	<b>10,211</b>

*Note: numbers may not add due to rounding*

**Table 16 Projected Defense Purchases of  
328 Offices of physicians, dentists, and other health practitioners**

(Millions of 2012 dollars)

	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	13,189	15,112	12,915	12,492	12,038	12,207	12,292
Indirect Purchases	8	12	11	11	11	13	18
<b>Total :</b>	<b>13,197</b>	<b>15,124</b>	<b>12,926</b>	<b>12,503</b>	<b>12,049</b>	<b>12,220</b>	<b>12,310</b>
<b>INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR</b>							
Aircraft Engines	0	0	0	0	0	0	0
Aircraft Parts	0	0	0	0	0	0	0
Ammunition	0	0	0	0	0	0	0
Communication Equipment	0	0	0	0	0	0	0
Missiles	0	0	0	0	0	0	0
Motor Vehicles	0	0	0	0	0	0	0
Shipbuilding	0	0	0	0	0	0	0
Tanks	0	0	0	0	0	0	0
Other Electronic Equipment	0	0	0	0	0	0	0
Other Ordinances	0	0	0	0	0	0	0
Other	8	12	11	11	11	13	18
<b>Total :</b>	<b>8</b>	<b>12</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>13</b>	<b>18</b>

*Note: numbers may not add due to rounding*

**Table 17 Projected Defense Purchases of  
203 Search, detection, and navigation instruments**

(Millions of 2012 dollars)

	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	12,380	13,002	11,212	9,977	10,277	10,364	10,587
Indirect Purchases	814	916	780	738	686	655	647
<b>Total :</b>	<b>13,195</b>	<b>13,917</b>	<b>11,992</b>	<b>10,715</b>	<b>10,963</b>	<b>11,019</b>	<b>11,234</b>
<b>INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR</b>							
Aircraft Engines	40	47	42	39	39	38	38
Aircraft Parts	75	89	76	69	71	69	67
Ammunition	0	1	0	0	0	0	0
Communication Equipment	28	33	29	26	27	29	34
Missiles	47	51	45	42	44	44	44
Motor Vehicles	0	0	0	0	0	0	0
Shipbuilding	57	75	69	86	61	68	71
Tanks	3	2	1	1	1	1	1
Other Electronic Equipment	0	0	0	0	0	0	0
Other Ordinances	1	1	1	1	1	1	1
Other	562	617	517	474	442	405	390
<b>Total :</b>	<b>814</b>	<b>916</b>	<b>780</b>	<b>738</b>	<b>686</b>	<b>655</b>	<b>647</b>

*Note: numbers may not add due to rounding*

**Table 18 Projected Defense Purchases of  
312 All other miscellaneous professional, scientific, and technical services**

(Millions of 2012 dollars)

	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	9,042	9,380	7,305	6,093	5,890	5,692	5,573
Indirect Purchases	4,398	4,562	3,844	3,459	3,309	3,251	3,218
<b>Total :</b>	<b>13,440</b>	<b>13,942</b>	<b>11,149</b>	<b>9,552</b>	<b>9,199</b>	<b>8,942</b>	<b>8,792</b>
<b>INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR</b>							
Aircraft Engines	39	46	40	37	38	37	37
Aircraft Parts	93	111	94	85	87	85	83
Ammunition	22	25	18	15	14	13	13
Communication Equipment	139	144	125	111	112	112	113
Missiles	115	125	108	103	106	106	106
Motor Vehicles	26	15	12	7	7	6	6
Shipbuilding	160	209	191	238	167	187	194
Tanks	53	33	28	16	12	14	19
Other Electronic Equipment	15	15	14	13	13	12	12
Other Ordinances	18	18	14	12	12	11	11
Other	3,719	3,822	3,198	2,821	2,741	2,667	2,623
<b>Total :</b>	<b>4,398</b>	<b>4,562</b>	<b>3,844</b>	<b>3,459</b>	<b>3,309</b>	<b>3,251</b>	<b>3,218</b>

*Note: numbers may not add due to rounding*

**Table 19 Projected Defense Purchases of  
307 Other computer related services, including facilities management**

(Millions of 2012 dollars)

	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	8,222	8,911	7,217	6,451	6,346	6,384	6,404
Indirect Purchases	4,119	4,252	3,522	3,119	3,009	2,958	2,932
<b>Total :</b>	<b>12,341</b>	<b>13,163</b>	<b>10,740</b>	<b>9,570</b>	<b>9,355</b>	<b>9,343</b>	<b>9,336</b>
<b>INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR</b>							
Aircraft Engines	34	40	36	33	34	33	33
Aircraft Parts	71	85	72	65	66	65	63
Ammunition	17	19	14	12	11	11	10
Communication Equipment	272	284	248	220	223	224	226
Missiles	93	101	88	83	86	86	87
Motor Vehicles	19	11	9	5	5	4	5
Shipbuilding	94	123	113	141	99	111	114
Tanks	30	19	16	9	7	8	11
Other Electronic Equipment	19	20	18	17	16	16	15
Other Ordinances	16	16	13	11	11	10	10
Other	3,454	3,535	2,897	2,524	2,451	2,392	2,358
<b>Total :</b>	<b>4,119</b>	<b>4,252</b>	<b>3,522</b>	<b>3,119</b>	<b>3,009</b>	<b>2,958</b>	<b>2,932</b>

*Note: numbers may not add due to rounding*

**Table 20 Projected Defense Purchases of  
28 Electric power generation, transmission, and distribution**

(Millions of 2012 dollars)

	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	6,507	6,573	5,021	3,962	3,869	3,805	3,772
Indirect Purchases	6,690	6,787	5,570	4,906	4,718	4,638	4,601
<b>Total :</b>	<b>13,197</b>	<b>13,360</b>	<b>10,590</b>	<b>8,868</b>	<b>8,587</b>	<b>8,443</b>	<b>8,373</b>
<b>INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR</b>							
Aircraft Engines	77	90	79	73	75	72	72
Aircraft Parts	249	296	250	225	231	223	218
Ammunition	122	139	104	84	78	76	74
Communication Equipment	327	338	293	259	261	261	262
Missiles	177	191	165	155	160	160	160
Motor Vehicles	82	47	38	23	22	17	20
Shipbuilding	207	269	245	305	213	238	245
Tanks	107	67	56	32	24	27	38
Other Electronic Equipment	58	60	55	51	50	48	47
Other Ordinances	61	61	48	41	40	39	37
Other	5,222	5,230	4,237	3,658	3,564	3,475	3,427
<b>Total :</b>	<b>6,690</b>	<b>6,787</b>	<b>5,570</b>	<b>4,906</b>	<b>4,718</b>	<b>4,638</b>	<b>4,601</b>

*Note: numbers may not add due to rounding*

**Table 21 Projected Defense Purchases of  
238 Guided missiles and space vehicles**

(Millions of 2012 dollars)

	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	10,640	11,669	10,223	9,769	10,168	10,260	10,426
Indirect Purchases	291	313	275	259	264	264	264
<b>Total :</b>	<b>10,931</b>	<b>11,982</b>	<b>10,497</b>	<b>10,028</b>	<b>10,433</b>	<b>10,524</b>	<b>10,690</b>
<b>INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR</b>							
Aircraft Engines	0	0	0	0	0	0	0
Aircraft Parts	0	0	0	0	0	0	0
Ammunition	0	0	0	0	0	0	0
Communication Equipment	6	7	6	5	5	5	5
Missiles	234	254	222	210	217	218	219
Motor Vehicles	0	0	0	0	0	0	0
Shipbuilding	0	0	0	0	0	0	0
Tanks	0	0	0	0	0	0	0
Other Electronic Equipment	0	0	0	0	0	0	0
Other Ordinances	1	1	1	1	1	1	1
Other	48	49	45	42	40	38	38
<b>Total :</b>	<b>291</b>	<b>313</b>	<b>275</b>	<b>259</b>	<b>264</b>	<b>264</b>	<b>264</b>

*Note: numbers may not add due to rounding*

**Table 22 Projected Defense Purchases of  
236 Aircraft engines and engine parts**

(Millions of 2012 dollars)

	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	5,452	6,404	5,612	5,152	5,252	5,069	5,061
Indirect Purchases	4,547	5,096	4,407	4,052	3,969	3,765	3,714
<b>Total :</b>	<b>9,999</b>	<b>11,501</b>	<b>10,019</b>	<b>9,204</b>	<b>9,221</b>	<b>8,834</b>	<b>8,775</b>
<b>INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR</b>							
Aircraft Engines	1,592	1,867	1,658	1,533	1,570	1,521	1,525
Aircraft Parts	425	508	437	398	409	399	393
Ammunition	1	1	1	1	1	1	1
Communication Equipment	7	7	6	6	6	6	6
Missiles	79	86	75	72	75	75	76
Motor Vehicles	0	0	0	0	0	0	0
Shipbuilding	1	1	2	3	2	3	3
Tanks	90	57	49	28	21	24	34
Other Electronic Equipment	0	0	0	0	0	0	0
Other Ordinances	4	4	3	3	3	3	3
Other	2,347	2,564	2,175	2,008	1,882	1,733	1,673
<b>Total :</b>	<b>4,547</b>	<b>5,096</b>	<b>4,407</b>	<b>4,052</b>	<b>3,969</b>	<b>3,765</b>	<b>3,714</b>

*Note: numbers may not add due to rounding*

**Table 23 Projected Defense Purchases of  
197 Broadcast and wireless communications equipment**

(Millions of 2012 dollars)

	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	7,805	7,946	7,367	6,570	6,376	6,362	6,287
Indirect Purchases	2,743	2,958	2,567	2,331	2,331	2,324	2,308
<b>Total :</b>	<b>10,547</b>	<b>10,904</b>	<b>9,934</b>	<b>8,900</b>	<b>8,707</b>	<b>8,686</b>	<b>8,595</b>
<b>INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR</b>							
Aircraft Engines	23	27	24	22	23	22	22
Aircraft Parts	36	43	36	33	34	33	32
Ammunition	1	1	1	1	0	0	0
Communication Equipment	1,955	2,098	1,835	1,654	1,664	1,680	1,672
Missiles	303	330	288	274	284	285	286
Motor Vehicles	1	0	0	0	0	0	0
Shipbuilding	2	3	2	3	2	2	3
Tanks	2	1	1	1	0	1	1
Other Electronic Equipment	8	8	8	7	7	7	7
Other Ordinances	2	2	1	1	1	1	1
Other	411	445	370	335	316	293	284
<b>Total :</b>	<b>2,743</b>	<b>2,958</b>	<b>2,567</b>	<b>2,331</b>	<b>2,331</b>	<b>2,324</b>	<b>2,308</b>

*Note: numbers may not add due to rounding*

**Table 24 Projected Defense Purchases of  
291 Insurance carriers**  
(Millions of 2012 dollars)

	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	5,598	4,762	3,894	3,687	3,692	3,677	3,653
Indirect Purchases	7,434	7,312	5,917	5,200	5,063	4,991	4,947
<b>Total :</b>	<b>13,032</b>	<b>12,074</b>	<b>9,810</b>	<b>8,887</b>	<b>8,755</b>	<b>8,668</b>	<b>8,600</b>
<b>INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR</b>							
Aircraft Engines	22	26	23	21	22	21	21
Aircraft Parts	61	73	62	56	57	56	55
Ammunition	16	18	14	11	10	10	10
Communication Equipment	128	133	117	103	104	104	104
Missiles	70	76	66	62	64	64	64
Motor Vehicles	20	11	9	6	5	4	5
Shipbuilding	67	88	81	100	70	79	81
Tanks	25	16	13	7	6	6	9
Other Electronic Equipment	14	15	13	12	12	12	12
Other Ordinances	12	12	9	8	8	7	7
Other	6,999	6,845	5,510	4,813	4,704	4,628	4,580
<b>Total :</b>	<b>7,434</b>	<b>7,311</b>	<b>5,917</b>	<b>5,200</b>	<b>5,063</b>	<b>4,992</b>	<b>4,947</b>

*Note: numbers may not add due to rounding*

**Table 25 Projected Defense Purchases of  
16 Crude oil extraction**

(Millions of 2012 dollars)

	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	73	84	121	70	62	45	38
Indirect Purchases	11,544	11,365	9,677	8,030	7,715	7,411	7,281
<b>Total :</b>	<b>11,617</b>	<b>11,449</b>	<b>9,798</b>	<b>8,100</b>	<b>7,777</b>	<b>7,456</b>	<b>7,319</b>
<b>INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR</b>							
Aircraft Engines	45	53	46	43	44	42	42
Aircraft Parts	164	195	164	148	151	146	143
Ammunition	81	93	69	56	52	50	49
Communication Equipment	206	213	185	163	163	163	163
Missiles	105	113	97	92	95	94	94
Motor Vehicles	59	34	27	17	16	12	14
Shipbuilding	142	184	168	208	145	161	166
Tanks	74	46	39	22	17	19	26
Other Electronic Equipment	36	38	34	31	31	30	29
Other Ordinances	34	34	27	23	22	22	20
Other	10,598	10,363	8,821	7,228	6,980	6,672	6,535
<b>Total :</b>	<b>11,544</b>	<b>11,365</b>	<b>9,677</b>	<b>8,030</b>	<b>7,715</b>	<b>7,411</b>	<b>7,281</b>

*Note: numbers may not add due to rounding*

**Table 26 Projected Defense Purchases of  
311 Advertising and related services**

(Millions of 2012 dollars)

	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	1,478	1,539	1,020	744	723	712	703
Indirect Purchases	10,142	10,456	8,588	7,578	7,385	7,310	7,266
<b>Total :</b>	<b>11,620</b>	<b>11,995</b>	<b>9,607</b>	<b>8,322</b>	<b>8,109</b>	<b>8,022</b>	<b>7,969</b>
<b>INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR</b>							
Aircraft Engines	95	111	99	91	93	90	91
Aircraft Parts	242	288	244	221	226	220	216
Ammunition	74	85	64	52	48	46	45
Communication Equipment	726	755	662	586	589	590	592
Missiles	285	309	268	254	262	263	263
Motor Vehicles	77	44	36	22	21	17	19
Shipbuilding	212	277	254	316	221	248	256
Tanks	112	71	60	34	26	29	41
Other Electronic Equipment	70	74	67	62	62	59	58
Other Ordinances	68	67	54	45	45	44	42
Other	8,180	8,376	6,781	5,895	5,792	5,703	5,643
<b>Total :</b>	<b>10,142</b>	<b>10,456</b>	<b>8,588</b>	<b>7,578</b>	<b>7,385</b>	<b>7,310</b>	<b>7,267</b>

*Note: numbers may not add due to rounding*

**Table 27 Projected Defense Purchases of  
184 Other engine equipment**

(Millions of 2012 dollars)

	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	7,639	7,452	6,514	6,225	6,641	6,767	6,816
Indirect Purchases	2,920	2,952	2,546	2,643	2,238	2,350	2,424
<b>Total :</b>	<b>10,559</b>	<b>10,405</b>	<b>9,060</b>	<b>8,868</b>	<b>8,879</b>	<b>9,118</b>	<b>9,240</b>
<b>INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR</b>							
Aircraft Engines	1	1	1	1	1	1	1
Aircraft Parts	3	4	3	3	3	3	3
Ammunition	1	1	1	1	1	1	1
Communication Equipment	8	9	8	7	7	7	7
Missiles	3	3	2	2	2	2	2
Motor Vehicles	16	10	8	5	5	4	4
Shipbuilding	983	1,286	1,182	1,471	1,032	1,157	1,197
Tanks	9	6	5	3	2	2	3
Other Electronic Equipment	1	1	1	1	1	1	1
Other Ordinances	8	8	6	5	5	5	5
Other	1,886	1,624	1,328	1,145	1,180	1,168	1,200
<b>Total :</b>	<b>2,920</b>	<b>2,952</b>	<b>2,546</b>	<b>2,643</b>	<b>2,238</b>	<b>2,350</b>	<b>2,424</b>

*Note: numbers may not add due to rounding*

**Table 28 Projected Defense Purchases of  
340 Food services and drinking places**

(Millions of 2012 dollars)

	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	4,489	4,430	3,386	2,833	2,784	2,761	2,742
Indirect Purchases	6,432	6,640	5,456	4,829	4,663	4,597	4,556
<b>Total :</b>	<b>10,920</b>	<b>11,071</b>	<b>8,842</b>	<b>7,663</b>	<b>7,447</b>	<b>7,358</b>	<b>7,298</b>
<b>INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR</b>							
Aircraft Engines	42	49	43	40	41	40	40
Aircraft Parts	95	114	96	87	89	87	85
Ammunition	22	25	19	15	14	14	13
Communication Equipment	201	209	183	162	163	163	164
Missiles	140	151	132	125	129	129	129
Motor Vehicles	28	16	13	8	7	6	7
Shipbuilding	146	190	175	217	152	171	177
Tanks	40	25	21	12	9	10	15
Other Electronic Equipment	18	19	18	16	16	15	15
Other Ordinances	18	18	14	12	12	11	11
Other	5,682	5,824	4,742	4,135	4,030	3,951	3,900
<b>Total :</b>	<b>6,432</b>	<b>6,640</b>	<b>5,456</b>	<b>4,829</b>	<b>4,663</b>	<b>4,597</b>	<b>4,556</b>

*Note: numbers may not add due to rounding*

**Table 29 Projected Defense Purchases of  
288 Monetary authorities and depository credit intermediation**

(Millions of 2012 dollars)

	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	0	0	0	0	0	0	0
Indirect Purchases	9,913	10,192	8,385	7,419	7,156	7,058	6,997
<b>Total :</b>	<b>9,913</b>	<b>10,192</b>	<b>8,385</b>	<b>7,419</b>	<b>7,156</b>	<b>7,058</b>	<b>6,997</b>
<b>INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR</b>							
Aircraft Engines	66	77	68	63	65	63	63
Aircraft Parts	157	187	158	143	147	142	140
Ammunition	38	44	33	26	24	24	23
Communication Equipment	293	304	265	235	237	237	238
Missiles	193	209	182	172	178	178	178
Motor Vehicles	49	28	23	14	13	10	12
Shipbuilding	249	325	298	371	260	292	302
Tanks	81	51	43	25	19	21	29
Other Electronic Equipment	29	30	27	25	25	24	24
Other Ordinances	30	29	23	20	20	19	18
Other	8,729	8,908	7,264	6,325	6,169	6,048	5,970
<b>Total :</b>	<b>9,913</b>	<b>10,192</b>	<b>8,385</b>	<b>7,419</b>	<b>7,156</b>	<b>7,059</b>	<b>6,997</b>

*Note: numbers may not add due to rounding*

**Table 30 Projected Defense Purchases of  
322 Employment services**

(Millions of 2012 dollars)

	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	295	308	207	153	150	147	145
Indirect Purchases	9,746	9,850	8,046	7,097	6,882	6,781	6,719
<b>Total :</b>	<b>10,041</b>	<b>10,157</b>	<b>8,254</b>	<b>7,250</b>	<b>7,031</b>	<b>6,928</b>	<b>6,865</b>
<b>INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR</b>							
Aircraft Engines	72	84	75	69	71	68	69
Aircraft Parts	158	189	160	145	149	144	142
Ammunition	42	47	36	29	27	26	25
Communication Equipment	391	407	358	317	318	319	321
Missiles	431	469	408	386	400	401	402
Motor Vehicles	30	17	14	9	8	7	8
Shipbuilding	177	231	212	264	185	208	215
Tanks	46	29	25	14	11	12	17
Other Electronic Equipment	25	26	23	22	22	21	20
Other Ordinances	34	34	27	23	23	22	21
Other	8,339	8,316	6,709	5,819	5,669	5,553	5,480
<b>Total :</b>	<b>9,746</b>	<b>9,849</b>	<b>8,046</b>	<b>7,097</b>	<b>6,882</b>	<b>6,781</b>	<b>6,719</b>

*Note: numbers may not add due to rounding*

**Table 31 Projected Defense Purchases of  
290 Securities, commodity contracts, investments, and related activities**

(Millions of 2012 dollars)

	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	273	279	252	228	222	216	213
Indirect Purchases	9,006	9,093	7,513	6,742	6,415	6,351	6,321
<b>Total :</b>	<b>9,280</b>	<b>9,372</b>	<b>7,765</b>	<b>6,970</b>	<b>6,637</b>	<b>6,566</b>	<b>6,534</b>
<b>INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR</b>							
Aircraft Engines	113	132	117	108	111	107	107
Aircraft Parts	262	312	265	239	245	238	233
Ammunition	75	85	64	52	48	46	45
Communication Equipment	382	396	345	305	308	309	311
Missiles	359	389	338	319	330	331	332
Motor Vehicles	97	55	44	27	26	20	24
Shipbuilding	461	602	553	688	483	541	560
Tanks	141	89	75	43	32	37	52
Other Electronic Equipment	44	45	41	38	38	36	36
Other Ordinances	58	58	46	39	38	37	36
Other	7,015	6,929	5,626	4,883	4,756	4,647	4,587
<b>Total :</b>	<b>9,006</b>	<b>9,093</b>	<b>7,513</b>	<b>6,742</b>	<b>6,415</b>	<b>6,351</b>	<b>6,321</b>

*Note: numbers may not add due to rounding*

**Table 32 Projected Defense Purchases of  
269 Water transportation**

(Millions of 2012 dollars)

	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	10,783	8,966	6,920	5,881	5,813	5,767	5,742
Indirect Purchases	420	427	383	352	338	327	323
<b>Total :</b>	<b>11,203</b>	<b>9,392</b>	<b>7,302</b>	<b>6,234</b>	<b>6,151</b>	<b>6,094</b>	<b>6,066</b>
<b>INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR</b>							
Aircraft Engines	1	1	1	1	1	1	1
Aircraft Parts	4	5	4	3	4	3	3
Ammunition	1	1	1	1	1	1	1
Communication Equipment	8	8	7	6	6	6	6
Missiles	3	3	3	2	3	3	3
Motor Vehicles	1	1	1	0	0	0	0
Shipbuilding	3	4	4	5	3	4	4
Tanks	1	1	1	0	0	0	1
Other Electronic Equipment	1	1	1	1	1	1	1
Other Ordinances	1	1	0	0	0	0	0
Other	396	401	361	331	318	308	304
<b>Total :</b>	<b>420</b>	<b>427</b>	<b>383</b>	<b>352</b>	<b>338</b>	<b>327</b>	<b>323</b>

*Note: numbers may not add due to rounding*

**Table 33 Projected Defense Purchases of  
273 Scenic and sightseeing transportation and support activities for transportation**

(Millions of 2012 dollars)

	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	3,439	3,769	3,062	2,742	2,709	2,701	2,700
Indirect Purchases	5,518	5,111	4,069	3,530	3,461	3,427	3,408
<b>Total :</b>	<b>8,957</b>	<b>8,881</b>	<b>7,131</b>	<b>6,271</b>	<b>6,170</b>	<b>6,128</b>	<b>6,108</b>
<b>INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR</b>							
Aircraft Engines	9	11	10	9	9	9	9
Aircraft Parts	28	34	29	26	27	26	25
Ammunition	7	8	6	5	4	4	4
Communication Equipment	48	50	44	39	39	39	39
Missiles	24	26	23	22	22	22	22
Motor Vehicles	10	6	5	3	3	2	2
Shipbuilding	27	35	32	39	28	31	32
Tanks	11	7	6	3	3	3	4
Other Electronic Equipment	6	6	6	5	5	5	5
Other Ordinances	5	5	4	3	3	3	3
Other	5,342	4,924	3,906	3,375	3,319	3,283	3,262
<b>Total :</b>	<b>5,518</b>	<b>5,111</b>	<b>4,069</b>	<b>3,530</b>	<b>3,461</b>	<b>3,427</b>	<b>3,408</b>

*Note: numbers may not add due to rounding*

**Table 34 Projected Defense Purchases of  
339 Hotels and other accommodations**

(Millions of 2012 dollars)

	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	5,917	5,637	4,386	3,720	3,673	3,635	3,605
Indirect Purchases	2,842	2,983	2,449	2,179	2,110	2,090	2,074
<b>Total :</b>	<b>8,759</b>	<b>8,620</b>	<b>6,835</b>	<b>5,898</b>	<b>5,783</b>	<b>5,726</b>	<b>5,679</b>
<b>INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR</b>							
Aircraft Engines	21	25	22	20	21	20	20
Aircraft Parts	48	58	49	44	45	44	43
Ammunition	10	12	9	7	6	6	6
Communication Equipment	109	113	99	88	88	88	89
Missiles	70	76	66	63	65	65	65
Motor Vehicles	12	7	6	3	3	3	3
Shipbuilding	87	114	104	130	91	102	106
Tanks	20	12	10	6	4	5	7
Other Electronic Equipment	9	9	8	8	8	7	7
Other Ordinances	9	8	7	6	6	5	5
Other	2,448	2,549	2,069	1,804	1,772	1,744	1,722
<b>Total :</b>	<b>2,842</b>	<b>2,983</b>	<b>2,449</b>	<b>2,179</b>	<b>2,110</b>	<b>2,090</b>	<b>2,074</b>

*Note: numbers may not add due to rounding*

**Table 35 Projected Defense Purchases of  
201 All other electronic components**

(Millions of 2012 dollars)

	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	2,550	2,684	2,489	2,333	2,331	2,240	2,195
Indirect Purchases	3,985	4,123	3,524	3,127	3,061	3,026	3,007
<b>Total :</b>	<b>6,535</b>	<b>6,808</b>	<b>6,013</b>	<b>5,460</b>	<b>5,392</b>	<b>5,266</b>	<b>5,202</b>
<b>INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR</b>							
Aircraft Engines	19	22	19	18	18	17	17
Aircraft Parts	95	113	95	86	88	85	83
Ammunition	32	36	27	22	20	20	19
Communication Equipment	1,592	1,649	1,455	1,290	1,287	1,287	1,286
Missiles	190	206	179	170	175	175	175
Motor Vehicles	32	19	16	10	9	8	9
Shipbuilding	84	109	100	124	87	97	100
Tanks	28	18	15	8	6	7	10
Other Electronic Equipment	338	355	327	304	304	292	286
Other Ordinances	18	18	14	12	12	12	11
Other	1,555	1,577	1,277	1,083	1,054	1,027	1,010
<b>Total :</b>	<b>3,985</b>	<b>4,123</b>	<b>3,524</b>	<b>3,127</b>	<b>3,061</b>	<b>3,026</b>	<b>3,007</b>

*Note: numbers may not add due to rounding*

**Table 36 Projected Defense Purchases of  
275 Warehousing and storage**

(Millions of 2012 dollars)

	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	6,393	5,195	3,941	3,263	3,228	3,188	3,165
Indirect Purchases	2,543	2,449	1,991	1,749	1,689	1,671	1,665
<b>Total :</b>	<b>8,936</b>	<b>7,644</b>	<b>5,932</b>	<b>5,012</b>	<b>4,917</b>	<b>4,859</b>	<b>4,830</b>
<b>INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR</b>							
Aircraft Engines	25	30	26	24	25	24	24
Aircraft Parts	73	87	74	67	68	66	65
Ammunition	25	29	21	17	16	16	15
Communication Equipment	163	169	148	131	132	132	133
Missiles	82	89	77	73	75	76	76
Motor Vehicles	16	9	7	5	4	3	4
Shipbuilding	75	98	90	112	78	88	91
Tanks	33	21	18	10	8	9	12
Other Electronic Equipment	19	20	18	17	17	16	16
Other Ordinances	17	16	13	11	11	11	10
Other	2,015	1,881	1,498	1,282	1,254	1,230	1,219
<b>Total :</b>	<b>2,543</b>	<b>2,449</b>	<b>1,991</b>	<b>1,749</b>	<b>1,689</b>	<b>1,671</b>	<b>1,665</b>

*Note: numbers may not add due to rounding*

**Table 37 Projected Defense Purchases of  
301 Legal services**

(Millions of 2012 dollars)

	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	23	25	20	17	17	17	17
Indirect Purchases	6,795	6,973	5,780	5,132	4,953	4,876	4,839
<b>Total :</b>	<b>6,817</b>	<b>6,998</b>	<b>5,800</b>	<b>5,150</b>	<b>4,970</b>	<b>4,893</b>	<b>4,856</b>
<b>INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR</b>							
Aircraft Engines	115	135	120	111	113	110	110
Aircraft Parts	174	207	176	159	163	158	155
Ammunition	45	51	38	31	29	28	27
Communication Equipment	400	416	365	324	325	326	327
Missiles	291	316	275	260	269	270	270
Motor Vehicles	42	24	19	12	11	9	10
Shipbuilding	175	229	210	262	184	206	213
Tanks	60	38	32	18	14	16	22
Other Electronic Equipment	36	38	34	32	32	30	30
Other Ordinances	35	35	28	23	23	23	22
Other	5,421	5,485	4,483	3,901	3,790	3,702	3,653
<b>Total :</b>	<b>6,795</b>	<b>6,973</b>	<b>5,780</b>	<b>5,132</b>	<b>4,953</b>	<b>4,876</b>	<b>4,839</b>

*Note: numbers may not add due to rounding*

**Table 38 Projected Defense Purchases of  
135 Primary ferrous metal products**

(Millions of 2012 dollars)

	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	116	94	77	49	45	38	38
Indirect Purchases	6,681	6,588	5,412	4,794	4,450	4,378	4,381
<b>Total :</b>	<b>6,798</b>	<b>6,682</b>	<b>5,490</b>	<b>4,842</b>	<b>4,495</b>	<b>4,417</b>	<b>4,419</b>
<b>INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR</b>							
Aircraft Engines	105	121	107	99	101	97	97
Aircraft Parts	317	374	315	285	291	281	275
Ammunition	126	142	106	86	79	77	75
Communication Equipment	242	248	213	188	188	187	187
Missiles	164	175	151	142	146	146	145
Motor Vehicles	337	193	158	96	91	73	84
Shipbuilding	558	723	661	821	575	643	663
Tanks	359	225	190	109	82	93	130
Other Electronic Equipment	50	52	46	43	42	41	40
Other Ordinances	129	127	101	85	85	82	78
Other	4,294	4,208	3,365	2,840	2,770	2,658	2,606
<b>Total :</b>	<b>6,681</b>	<b>6,588</b>	<b>5,412</b>	<b>4,793</b>	<b>4,450</b>	<b>4,378</b>	<b>4,380</b>

*Note: numbers may not add due to rounding*

**Table 39 Projected Defense Purchases of  
317 Facilities support services**

(Millions of 2012 dollars)

	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	7,234	7,420	4,959	3,581	3,489	3,421	3,372
Indirect Purchases	552	570	473	424	413	409	408
<b>Total :</b>	<b>7,786</b>	<b>7,991</b>	<b>5,432</b>	<b>4,005</b>	<b>3,901</b>	<b>3,830</b>	<b>3,780</b>
<b>INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR</b>							
Aircraft Engines	9	11	9	9	9	9	9
Aircraft Parts	20	24	20	18	19	18	18
Ammunition	4	5	3	3	3	3	2
Communication Equipment	41	42	37	33	33	34	34
Missiles	69	75	65	62	64	64	64
Motor Vehicles	2	1	1	1	1	1	1
Shipbuilding	17	23	21	26	18	20	21
Tanks	4	3	2	1	1	1	1
Other Electronic Equipment	2	2	2	2	2	2	2
Other Ordinances	4	4	3	3	3	2	2
Other	381	382	309	268	262	256	254
<b>Total :</b>	<b>552</b>	<b>570</b>	<b>473</b>	<b>424</b>	<b>413</b>	<b>409</b>	<b>408</b>

*Note: numbers may not add due to rounding*

**Table 40 Projected Defense Purchases of  
306 Computer systems design services**

(Millions of 2012 dollars)

	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	5,243	5,275	4,309	3,581	3,475	3,465	3,460
Indirect Purchases	1,128	1,157	960	854	822	811	808
<b>Total :</b>	<b>6,371</b>	<b>6,432</b>	<b>5,270</b>	<b>4,435</b>	<b>4,297</b>	<b>4,276</b>	<b>4,267</b>
<b>INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR</b>							
Aircraft Engines	14	17	15	14	14	13	13
Aircraft Parts	29	35	29	27	27	27	26
Ammunition	7	8	6	5	4	4	4
Communication Equipment	113	118	103	92	93	93	94
Missiles	37	40	35	33	34	34	34
Motor Vehicles	8	4	4	2	2	2	2
Shipbuilding	38	50	46	57	40	45	46
Tanks	12	8	7	4	3	3	4
Other Electronic Equipment	7	8	7	7	7	6	6
Other Ordinances	7	6	5	4	4	4	4
Other	855	864	705	611	594	580	573
<b>Total :</b>	<b>1,128</b>	<b>1,157</b>	<b>960</b>	<b>854</b>	<b>822</b>	<b>811</b>	<b>808</b>

*Note: numbers may not add due to rounding*

**Table 41 Projected Defense Purchases of  
33 Highway, street, bridge, tunnel, water, sewer, pipeline and other construction**

(Millions of 2012 dollars)

	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	6,089	6,503	5,038	3,930	3,595	3,270	3,092
Indirect Purchases	3	4	4	3	3	3	4
<b>Total :</b>	<b>6,092</b>	<b>6,507</b>	<b>5,042</b>	<b>3,933</b>	<b>3,598</b>	<b>3,273</b>	<b>3,096</b>
<b>INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR</b>							
Other	3	4	4	3	3	3	4
<b>Total :</b>	<b>3</b>	<b>4</b>	<b>4</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>4</b>

**Table 42 Projected Defense Purchases of  
300 Lessors of nonfinancial intangible assets**

(Millions of 2012 dollars)

	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	0	0	0	0	0	0	0
Indirect Purchases	5,621	5,811	4,881	4,380	4,150	4,109	4,092
<b>Total :</b>	<b>5,622</b>	<b>5,812</b>	<b>4,881</b>	<b>4,380</b>	<b>4,150</b>	<b>4,109</b>	<b>4,092</b>
<b>INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR</b>							
Aircraft Engines	68	79	70	65	67	65	65
Aircraft Parts	163	194	165	149	153	149	146
Ammunition	41	46	35	28	26	25	25
Communication Equipment	525	547	476	421	427	429	432
Missiles	223	243	211	200	206	207	207
Motor Vehicles	54	31	25	15	14	12	13
Shipbuilding	355	465	427	532	374	419	434
Tanks	90	56	48	27	21	23	33
Other Electronic Equipment	52	55	50	46	46	44	43
Other Ordinances	27	26	21	18	18	17	16
Other	4,025	4,068	3,353	2,877	2,799	2,719	2,678
<b>Total :</b>	<b>5,621</b>	<b>5,811</b>	<b>4,881</b>	<b>4,380</b>	<b>4,150</b>	<b>4,109</b>	<b>4,092</b>

*Note: numbers may not add due to rounding*

**Table 43 Projected Defense Purchases of  
320 Services to buildings and dwellings**

(Millions of 2012 dollars)

	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	1,436	1,474	1,033	778	764	763	759
Indirect Purchases	4,545	4,594	3,842	3,420	3,289	3,222	3,187
<b>Total :</b>	<b>5,981</b>	<b>6,068</b>	<b>4,875</b>	<b>4,199</b>	<b>4,053</b>	<b>3,985</b>	<b>3,946</b>
<b>INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR</b>							
Aircraft Engines	27	32	28	26	26	26	26
Aircraft Parts	64	76	64	58	59	58	56
Ammunition	27	31	23	19	17	17	16
Communication Equipment	154	160	140	124	124	124	125
Missiles	65	71	61	58	60	60	60
Motor Vehicles	26	15	12	7	7	6	6
Shipbuilding	93	122	112	139	97	109	113
Tanks	32	20	17	10	7	8	12
Other Electronic Equipment	19	20	18	17	17	16	16
Other Ordinances	16	15	12	10	10	10	9
Other	4,022	4,033	3,354	2,953	2,863	2,789	2,748
<b>Total :</b>	<b>4,545</b>	<b>4,594</b>	<b>3,842</b>	<b>3,420</b>	<b>3,289</b>	<b>3,222</b>	<b>3,187</b>

*Note: numbers may not add due to rounding*

**Table 44 Projected Defense Purchases of  
296 Automotive equipment rental and leasing**

(Millions of 2012 dollars)

	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	2,731	2,566	2,142	1,743	1,592	1,586	1,602
Indirect Purchases	3,076	3,169	2,611	2,308	2,220	2,186	2,170
<b>Total :</b>	<b>5,807</b>	<b>5,735</b>	<b>4,753</b>	<b>4,050</b>	<b>3,812</b>	<b>3,772</b>	<b>3,772</b>
<b>INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR</b>							
Aircraft Engines	29	34	30	28	29	28	28
Aircraft Parts	87	104	88	80	82	79	78
Ammunition	27	31	23	19	17	17	16
Communication Equipment	197	204	179	158	159	159	160
Missiles	86	93	81	76	79	79	79
Motor Vehicles	30	17	14	8	8	6	7
Shipbuilding	88	114	105	130	91	102	106
Tanks	38	24	20	11	9	10	14
Other Electronic Equipment	26	27	25	23	23	22	21
Other Ordinances	18	18	14	12	12	12	11
Other	2,450	2,502	2,032	1,761	1,712	1,672	1,650
<b>Total :</b>	<b>3,076</b>	<b>3,169</b>	<b>2,611</b>	<b>2,307</b>	<b>2,220</b>	<b>2,186</b>	<b>2,170</b>

*Note: numbers may not add due to rounding*

**Table 45 Projected Defense Purchases of  
351 Postal service**

(Millions of 2012 dollars)

	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	2,819	2,832	2,295	1,893	1,852	1,830	1,821
Indirect Purchases	3,221	3,055	2,437	2,110	2,060	2,035	2,022
<b>Total :</b>	<b>6,040</b>	<b>5,887</b>	<b>4,733</b>	<b>4,002</b>	<b>3,912</b>	<b>3,865</b>	<b>3,842</b>
<b>INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR</b>							
Aircraft Engines	10	12	11	10	10	10	10
Aircraft Parts	31	38	32	29	29	29	28
Ammunition	8	9	6	5	5	5	5
Communication Equipment	63	66	58	51	51	51	51
Missiles	30	33	28	27	28	28	28
Motor Vehicles	11	6	5	3	3	2	3
Shipbuilding	30	39	36	45	31	35	36
Tanks	13	8	7	4	3	3	5
Other Electronic Equipment	7	7	7	6	6	6	6
Other Ordinances	6	6	4	4	4	4	3
Other	3,011	2,832	2,244	1,926	1,890	1,863	1,847
<b>Total :</b>	<b>3,221</b>	<b>3,055</b>	<b>2,437</b>	<b>2,110</b>	<b>2,060</b>	<b>2,035</b>	<b>2,022</b>

*Note: numbers may not add due to rounding*

**Table 46 Projected Defense Purchases of  
324 Waste management and remediation services**

(Millions of 2012 dollars)

	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	4,293	4,445	2,770	1,853	1,787	1,728	1,684
Indirect Purchases	2,462	2,464	1,912	1,617	1,552	1,527	1,514
<b>Total :</b>	<b>6,755</b>	<b>6,909</b>	<b>4,682</b>	<b>3,470</b>	<b>3,339</b>	<b>3,255</b>	<b>3,198</b>
<b>INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR</b>							
Aircraft Engines	12	14	12	11	11	11	11
Aircraft Parts	31	36	31	28	28	28	27
Ammunition	17	20	15	12	11	11	10
Communication Equipment	50	52	46	40	40	41	41
Missiles	26	28	24	23	23	23	23
Motor Vehicles	13	7	6	4	3	3	3
Shipbuilding	54	71	65	80	56	63	65
Tanks	15	9	8	5	3	4	5
Other Electronic Equipment	8	8	7	7	7	7	6
Other Ordinances	8	8	6	5	5	5	5
Other	2,228	2,211	1,693	1,402	1,362	1,332	1,316
<b>Total :</b>	<b>2,462</b>	<b>2,464</b>	<b>1,912</b>	<b>1,617</b>	<b>1,552</b>	<b>1,527</b>	<b>1,514</b>

*Note: numbers may not add due to rounding*

**Table 47 Projected Defense Purchases of****234 Motor vehicle parts**

(Millions of 2012 dollars)

	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	730	528	470	306	288	245	260
Indirect Purchases	6,476	5,241	4,187	3,363	3,246	3,096	3,187
<b>Total :</b>	<b>7,206</b>	<b>5,769</b>	<b>4,657</b>	<b>3,669</b>	<b>3,534</b>	<b>3,341</b>	<b>3,447</b>
<b>INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR</b>							
Aircraft Engines	24	28	25	23	23	23	23
Aircraft Parts	62	74	62	56	58	56	55
Ammunition	12	13	10	8	7	7	7
Communication Equipment	142	146	129	114	114	114	114
Missiles	43	46	40	38	39	39	39
Motor Vehicles	498	285	234	142	135	109	127
Shipbuilding	105	136	124	154	107	119	122
Tanks	18	11	9	5	4	5	6
Other Electronic Equipment	21	22	19	18	17	17	16
Other Ordinances	11	11	9	7	7	7	7
Other	5,540	4,469	3,526	2,797	2,733	2,601	2,671
<b>Total :</b>	<b>6,476</b>	<b>5,241</b>	<b>4,187</b>	<b>3,363</b>	<b>3,246</b>	<b>3,096</b>	<b>3,187</b>

Note: numbers may not add due to rounding

**Table 48 Projected Defense Purchases of  
152 Ammunition**

(Millions of 2012 dollars)

	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	5,293	6,082	4,574	3,724	3,438	3,354	3,284
Indirect Purchases	28	33	25	21	19	19	20
<b>Total :</b>	<b>5,321</b>	<b>6,115</b>	<b>4,599</b>	<b>3,744</b>	<b>3,457</b>	<b>3,373</b>	<b>3,304</b>
<b>INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR</b>							
Aircraft Engines	0	0	0	0	0	0	0
Aircraft Parts	0	0	0	0	0	0	0
Ammunition	26	31	24	19	18	18	19
Communication Equipment	0	0	0	0	0	0	0
Missiles	0	0	0	0	0	0	0
Motor Vehicles	0	0	0	0	0	0	0
Shipbuilding	0	0	0	0	0	0	0
Tanks	0	0	0	0	0	0	0
Other Electronic Equipment	0	0	0	0	0	0	0
Other Ordinances	1	1	1	1	1	0	0
Other	0	0	0	0	0	0	0
<b>Total :</b>	<b>28</b>	<b>33</b>	<b>25</b>	<b>21</b>	<b>19</b>	<b>19</b>	<b>20</b>

*Note: numbers may not add due to rounding*

**Table 49 Projected Defense Purchases of  
92 Printing**

(Millions of 2012 dollars)

	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	3,296	3,315	2,868	2,439	2,426	2,388	2,363
Indirect Purchases	1,803	1,851	1,510	1,329	1,292	1,274	1,265
<b>Total :</b>	<b>5,098</b>	<b>5,166</b>	<b>4,378</b>	<b>3,768</b>	<b>3,717</b>	<b>3,662</b>	<b>3,627</b>
<b>INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR</b>							
Aircraft Engines	11	13	11	10	11	10	10
Aircraft Parts	25	30	25	23	24	23	22
Ammunition	7	8	6	5	4	4	4
Communication Equipment	70	72	63	56	56	56	57
Missiles	40	43	38	36	37	37	37
Motor Vehicles	8	5	4	2	2	2	2
Shipbuilding	27	36	33	41	28	32	33
Tanks	11	7	6	3	3	3	4
Other Electronic Equipment	7	7	6	6	6	6	6
Other Ordinances	6	6	5	4	4	4	4
Other	1,592	1,625	1,313	1,143	1,117	1,098	1,086
<b>Total :</b>	<b>1,803</b>	<b>1,851</b>	<b>1,510</b>	<b>1,329</b>	<b>1,292</b>	<b>1,275</b>	<b>1,265</b>

*Note: numbers may not add due to rounding*

**Table 50 Projected Defense Purchases of  
266 Retail trade**

(Millions of 2012 dollars)

	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	2,797	3,122	2,664	2,505	2,414	2,424	2,432
Indirect Purchases	1,911	1,873	1,467	1,219	1,172	1,143	1,132
<b>Total :</b>	<b>4,709</b>	<b>4,995</b>	<b>4,131</b>	<b>3,723</b>	<b>3,587</b>	<b>3,567</b>	<b>3,563</b>
<b>INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR</b>							
Aircraft Engines	4	5	4	4	4	4	4
Aircraft Parts	14	17	14	13	13	13	12
Ammunition	11	13	10	8	7	7	7
Communication Equipment	35	37	32	28	28	28	28
Missiles	11	12	10	10	10	10	10
Motor Vehicles	47	27	22	13	12	10	12
Shipbuilding	17	22	20	25	18	20	20
Tanks	6	4	3	2	1	1	2
Other Electronic Equipment	6	6	5	5	5	5	5
Other Ordinances	3	3	3	2	2	2	2
Other	1,757	1,729	1,344	1,109	1,072	1,043	1,030
<b>Total :</b>	<b>1,911</b>	<b>1,873</b>	<b>1,467</b>	<b>1,219</b>	<b>1,172</b>	<b>1,143</b>	<b>1,132</b>

*Note: numbers may not add due to rounding*

**Table 51 Projected Defense Purchases of  
302 Accounting, tax preparation, bookkeeping, and payroll services**

(Millions of 2012 dollars)

	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	280	316	268	254	245	248	249
Indirect Purchases	4,620	4,715	3,857	3,391	3,263	3,218	3,194
<b>Total :</b>	<b>4,901</b>	<b>5,030</b>	<b>4,124</b>	<b>3,645</b>	<b>3,509</b>	<b>3,465</b>	<b>3,443</b>
<b>INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR</b>							
Aircraft Engines	41	48	43	39	40	39	39
Aircraft Parts	89	106	90	81	83	81	79
Ammunition	25	28	21	17	16	15	15
Communication Equipment	223	232	203	180	181	182	182
Missiles	106	115	100	94	98	98	98
Motor Vehicles	29	16	13	8	8	6	7
Shipbuilding	121	158	145	180	126	142	147
Tanks	51	32	27	15	12	13	19
Other Electronic Equipment	23	24	22	20	20	19	19
Other Ordinances	19	18	15	12	12	12	11
Other	3,894	3,937	3,178	2,743	2,667	2,611	2,579
<b>Total :</b>	<b>4,620</b>	<b>4,715</b>	<b>3,856</b>	<b>3,391</b>	<b>3,263</b>	<b>3,218</b>	<b>3,195</b>

*Note: numbers may not add due to rounding*

**Table 52 Projected Defense Purchases of  
244 Military armored vehicles, tanks, and tank components**

(Millions of 2012 dollars)

	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	6,895	4,185	3,665	2,328	1,918	1,886	2,499
Indirect Purchases	277	176	150	86	65	74	104
<b>Total :</b>	<b>7,172</b>	<b>4,361</b>	<b>3,814</b>	<b>2,415</b>	<b>1,983</b>	<b>1,960</b>	<b>2,603</b>
<b>INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR</b>							
Aircraft Engines	0	0	0	0	0	0	0
Aircraft Parts	0	0	0	0	0	0	0
Ammunition	0	0	0	0	0	0	0
Communication Equipment	0	0	0	0	0	0	0
Missiles	0	0	0	0	0	0	0
Motor Vehicles	0	0	0	0	0	0	0
Shipbuilding	0	0	0	0	0	0	0
Tanks	275	174	148	85	64	73	102
Other Electronic Equipment	0	0	0	0	0	0	0
Other Ordinances	0	0	0	0	0	0	0
Other	1	1	1	1	1	1	1
<b>Total :</b>	<b>277</b>	<b>176</b>	<b>150</b>	<b>86</b>	<b>65</b>	<b>74</b>	<b>104</b>

*Note: numbers may not add due to rounding*

**Table 53 Projected Defense Purchases of  
286 Data processing, hosting and internet service providers**

(Millions of 2012 dollars)

	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	633	675	507	420	410	411	409
Indirect Purchases	3,751	3,878	3,219	2,879	2,747	2,713	2,695
<b>Total :</b>	<b>4,383</b>	<b>4,553</b>	<b>3,726</b>	<b>3,299</b>	<b>3,157</b>	<b>3,123</b>	<b>3,104</b>
<b>INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR</b>							
Aircraft Engines	44	52	46	42	43	42	42
Aircraft Parts	98	116	99	89	91	89	87
Ammunition	25	29	22	18	16	16	15
Communication Equipment	294	307	268	238	240	241	243
Missiles	108	116	101	96	99	99	99
Motor Vehicles	25	14	11	7	7	5	6
Shipbuilding	169	221	203	253	178	199	206
Tanks	44	28	24	14	10	12	16
Other Electronic Equipment	23	24	22	20	20	19	19
Other Ordinances	22	22	17	15	14	14	13
Other	2,899	2,950	2,407	2,088	2,028	1,977	1,948
<b>Total :</b>	<b>3,751</b>	<b>3,878</b>	<b>3,219</b>	<b>2,879</b>	<b>2,747</b>	<b>2,713</b>	<b>2,695</b>

*Note: numbers may not add due to rounding*

**Table 54 Projected Defense Purchases of  
305 Custom computer programming services**

(Millions of 2012 dollars)

	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	3,845	4,060	3,026	2,457	2,391	2,327	2,277
Indirect Purchases	716	758	632	554	544	531	526
<b>Total :</b>	<b>4,561</b>	<b>4,818</b>	<b>3,658</b>	<b>3,011</b>	<b>2,935</b>	<b>2,859</b>	<b>2,803</b>
<b>INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR</b>							
Aircraft Engines	22	25	22	21	21	21	21
Aircraft Parts	48	58	49	44	45	44	43
Ammunition	60	68	51	42	39	38	37
Communication Equipment	180	188	164	146	148	149	150
Missiles	22	24	21	20	21	21	21
Motor Vehicles	2	1	1	1	1	0	1
Shipbuilding	4	6	5	6	4	5	5
Tanks	4	3	2	1	1	1	2
Other Electronic Equipment	11	11	10	9	9	8	8
Other Ordinances	62	62	50	42	42	41	39
Other	299	311	256	222	214	204	200
<b>Total :</b>	<b>716</b>	<b>758</b>	<b>632</b>	<b>554</b>	<b>544</b>	<b>531</b>	<b>526</b>

*Note: numbers may not add due to rounding*

**Table 55 Projected Defense Purchases of  
280 Software publishers**

(Millions of 2012 dollars)

	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	1,263	1,351	1,029	842	819	820	813
Indirect Purchases	2,761	2,880	2,460	2,182	2,121	2,126	2,122
<b>Total :</b>	<b>4,024</b>	<b>4,231</b>	<b>3,490</b>	<b>3,023</b>	<b>2,940</b>	<b>2,946</b>	<b>2,935</b>
<b>INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR</b>							
Aircraft Engines	2	3	2	2	2	2	2
Aircraft Parts	17	20	17	15	16	15	15
Ammunition	13	15	11	9	8	8	8
Communication Equipment	1,539	1,600	1,402	1,234	1,233	1,237	1,235
Missiles	197	213	185	174	180	180	180
Motor Vehicles	24	13	11	6	6	5	6
Shipbuilding	107	140	128	160	112	126	131
Tanks	4	3	2	1	1	1	1
Other Electronic Equipment	25	27	24	22	22	21	21
Other Ordinances	4	4	3	2	2	2	2
Other	830	844	676	555	539	528	521
<b>Total :</b>	<b>2,761</b>	<b>2,880</b>	<b>2,460</b>	<b>2,182</b>	<b>2,121</b>	<b>2,126</b>	<b>2,122</b>

*Note: numbers may not add due to rounding*

**Table 56 Projected Defense Purchases of  
268 Rail transportation**

(Millions of 2012 dollars)

	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	3,279	2,672	2,020	1,684	1,669	1,652	1,642
Indirect Purchases	1,788	1,739	1,397	1,202	1,156	1,133	1,124
<b>Total :</b>	<b>5,067</b>	<b>4,411</b>	<b>3,418</b>	<b>2,886</b>	<b>2,825</b>	<b>2,785</b>	<b>2,766</b>
<b>INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR</b>							
Aircraft Engines	13	15	14	13	13	12	12
Aircraft Parts	69	82	69	63	64	62	61
Ammunition	19	21	16	13	12	12	11
Communication Equipment	45	46	39	35	35	35	34
Missiles	25	26	23	21	22	22	22
Motor Vehicles	32	18	14	9	8	7	8
Shipbuilding	47	60	55	68	47	53	54
Tanks	30	19	16	9	7	7	10
Other Electronic Equipment	9	10	9	8	8	8	7
Other Ordinances	13	13	10	9	8	8	8
Other	1,486	1,428	1,133	956	932	908	897
<b>Total :</b>	<b>1,788</b>	<b>1,739</b>	<b>1,397</b>	<b>1,202</b>	<b>1,156</b>	<b>1,133</b>	<b>1,124</b>

*Note: numbers may not add due to rounding*

**Table 57 Projected Defense Purchases of  
292 Insurance agencies, brokerages, and related activities**

(Millions of 2012 dollars)

	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	102	118	104	104	100	101	102
Indirect Purchases	4,142	3,886	3,166	2,858	2,803	2,775	2,754
<b>Total :</b>	<b>4,244</b>	<b>4,004</b>	<b>3,270</b>	<b>2,962</b>	<b>2,903</b>	<b>2,876</b>	<b>2,856</b>
<b>INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR</b>							
Aircraft Engines	10	12	10	10	10	10	10
Aircraft Parts	27	32	27	24	25	24	24
Ammunition	7	8	6	5	4	4	4
Communication Equipment	55	57	50	45	45	45	45
Missiles	31	33	29	27	28	28	28
Motor Vehicles	9	5	4	2	2	2	2
Shipbuilding	31	41	37	46	32	36	38
Tanks	11	7	6	3	3	3	4
Other Electronic Equipment	6	6	6	5	5	5	5
Other Ordinances	5	5	4	3	3	3	3
Other	3,950	3,680	2,987	2,687	2,645	2,614	2,592
<b>Total :</b>	<b>4,142</b>	<b>3,886</b>	<b>3,166</b>	<b>2,858</b>	<b>2,803</b>	<b>2,775</b>	<b>2,754</b>

*Note: numbers may not add due to rounding*

**Table 58 Projected Defense Purchases of  
274 Couriers and messengers**

(Millions of 2012 dollars)

	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	23	24	16	11	11	11	11
Indirect Purchases	4,423	4,087	3,242	2,792	2,728	2,694	2,677
<b>Total :</b>	<b>4,446</b>	<b>4,111</b>	<b>3,258</b>	<b>2,804</b>	<b>2,739</b>	<b>2,705</b>	<b>2,688</b>
<b>INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR</b>							
Aircraft Engines	14	16	14	13	13	13	13
Aircraft Parts	45	54	46	41	42	41	40
Ammunition	11	12	9	7	7	7	7
Communication Equipment	80	83	73	65	65	65	65
Missiles	38	41	36	34	35	35	35
Motor Vehicles	15	9	7	4	4	3	4
Shipbuilding	39	51	47	58	41	46	47
Tanks	18	11	9	5	4	5	6
Other Electronic Equipment	10	11	10	9	9	9	9
Other Ordinances	8	8	6	5	5	5	5
Other	4,144	3,790	2,985	2,549	2,502	2,466	2,447
<b>Total :</b>	<b>4,423</b>	<b>4,087</b>	<b>3,242</b>	<b>2,792</b>	<b>2,728</b>	<b>2,694</b>	<b>2,677</b>

*Note: numbers may not add due to rounding*

**Table 59 Projected Defense Purchases of  
200 Semiconductors and electron tubes**

(Millions of 2012 dollars)

	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	145	150	136	117	115	111	110
Indirect Purchases	3,494	3,618	3,093	2,759	2,692	2,654	2,634
<b>Total :</b>	<b>3,639</b>	<b>3,768</b>	<b>3,229</b>	<b>2,876</b>	<b>2,808</b>	<b>2,765</b>	<b>2,743</b>
<b>INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR</b>							
Aircraft Engines	28	32	28	26	27	26	26
Aircraft Parts	92	109	92	83	85	82	80
Ammunition	31	35	26	21	19	19	18
Communication Equipment	1,153	1,191	1,061	943	935	934	930
Missiles	302	329	286	271	280	280	281
Motor Vehicles	33	19	15	9	9	7	8
Shipbuilding	81	105	96	119	83	93	96
Tanks	29	18	15	9	6	7	10
Other Electronic Equipment	288	307	276	257	258	250	246
Other Ordinances	20	20	16	13	13	13	12
Other	1,437	1,454	1,182	1,008	976	942	925
<b>Total :</b>	<b>3,494</b>	<b>3,618</b>	<b>3,093</b>	<b>2,759</b>	<b>2,692</b>	<b>2,654</b>	<b>2,634</b>

*Note: numbers may not add due to rounding*

**Table 60 Projected Defense Purchases of  
147 Plate work and fabricated structural products**

(Millions of 2012 dollars)

	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	325	336	255	194	181	174	171
Indirect Purchases	3,554	3,531	2,871	2,522	2,389	2,343	2,323
<b>Total :</b>	<b>3,879</b>	<b>3,867</b>	<b>3,126</b>	<b>2,716</b>	<b>2,570</b>	<b>2,517</b>	<b>2,494</b>
<b>INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR</b>							
Aircraft Engines	17	20	18	16	17	16	16
Aircraft Parts	358	429	364	329	337	327	322
Ammunition	30	35	26	21	19	19	19
Communication Equipment	35	37	32	28	28	28	29
Missiles	129	140	122	115	119	120	120
Motor Vehicles	34	21	18	11	11	9	10
Shipbuilding	174	228	209	260	183	205	212
Tanks	33	21	18	10	8	9	12
Other Electronic Equipment	7	7	6	6	6	6	5
Other Ordinances	22	22	18	15	15	15	14
Other	2,715	2,572	2,040	1,709	1,646	1,589	1,564
<b>Total :</b>	<b>3,554</b>	<b>3,531</b>	<b>2,871</b>	<b>2,522</b>	<b>2,389</b>	<b>2,343</b>	<b>2,323</b>

*Note: numbers may not add due to rounding*

**Table 61 Projected Defense Purchases of  
342 Electronic and precision equipment repair and maintenance**

(Millions of 2012 dollars)

	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	2,376	2,594	2,148	1,972	1,977	1,945	1,923
Indirect Purchases	1,147	1,174	970	856	824	808	800
<b>Total :</b>	<b>3,524</b>	<b>3,768</b>	<b>3,118</b>	<b>2,829</b>	<b>2,801</b>	<b>2,753</b>	<b>2,723</b>
<b>INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR</b>							
Aircraft Engines	8	9	8	7	7	7	7
Aircraft Parts	19	23	19	17	18	17	17
Ammunition	7	8	6	5	5	5	5
Communication Equipment	44	46	40	36	36	36	36
Missiles	21	23	20	19	19	19	19
Motor Vehicles	6	3	3	2	2	1	1
Shipbuilding	23	31	28	35	24	27	28
Tanks	9	6	5	3	2	2	3
Other Electronic Equipment	5	6	5	5	5	5	4
Other Ordinances	5	5	4	3	3	3	3
Other	1,000	1,016	832	725	703	685	675
<b>Total :</b>	<b>1,147</b>	<b>1,174</b>	<b>970</b>	<b>856</b>	<b>824</b>	<b>808</b>	<b>800</b>

*Note: numbers may not add due to rounding*

**Table 62 Projected Defense Purchases of  
29 Natural gas distribution**

(Millions of 2012 dollars)

	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	1,044	1,052	826	667	652	643	639
Indirect Purchases	2,657	2,671	2,187	1,903	1,829	1,785	1,766
<b>Total :</b>	<b>3,700</b>	<b>3,723</b>	<b>3,013</b>	<b>2,570</b>	<b>2,481</b>	<b>2,428</b>	<b>2,405</b>
<b>INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR</b>							
Aircraft Engines	30	34	30	28	29	28	28
Aircraft Parts	91	108	91	82	84	81	79
Ammunition	57	65	48	39	36	35	34
Communication Equipment	98	101	87	77	78	77	77
Missiles	53	57	49	46	48	48	47
Motor Vehicles	36	20	17	10	9	8	9
Shipbuilding	68	88	80	99	69	77	79
Tanks	41	25	21	12	9	10	14
Other Electronic Equipment	16	17	15	14	14	13	13
Other Ordinances	24	23	18	15	15	15	14
Other	2,144	2,132	1,730	1,479	1,438	1,394	1,371
<b>Total :</b>	<b>2,657</b>	<b>2,671</b>	<b>2,187</b>	<b>1,902</b>	<b>1,829</b>	<b>1,785</b>	<b>1,766</b>

*Note: numbers may not add due to rounding*

**Table 63 Projected Defense Purchases of  
239 Propulsion units and parts for space vehicles and guided missiles**

(Millions of 2012 dollars)

	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	1,851	1,900	1,606	1,440	1,470	1,469	1,452
Indirect Purchases	1,502	1,622	1,407	1,319	1,360	1,362	1,366
<b>Total :</b>	<b>3,352</b>	<b>3,522</b>	<b>3,013</b>	<b>2,760</b>	<b>2,830</b>	<b>2,832</b>	<b>2,817</b>
<b>INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR</b>							
Aircraft Engines	0	0	0	0	0	0	0
Aircraft Parts	12	15	12	11	11	11	11
Ammunition	8	9	7	6	5	5	5
Communication Equipment	36	38	33	29	30	31	31
Missiles	1,382	1,498	1,302	1,228	1,270	1,274	1,277
Motor Vehicles	0	0	0	0	0	0	0
Shipbuilding	0	1	0	1	0	0	0
Tanks	7	4	4	2	2	2	3
Other Electronic Equipment	0	0	0	0	0	0	0
Other Ordinances	16	16	13	11	11	10	10
Other	39	41	35	32	30	29	28
<b>Total :</b>	<b>1,502</b>	<b>1,622</b>	<b>1,407</b>	<b>1,319</b>	<b>1,360</b>	<b>1,362</b>	<b>1,366</b>

*Note: numbers may not add due to rounding*

**Table 64 Projected Defense Purchases of  
318 Business support services**

(Millions of 2012 dollars)

	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	423	430	305	231	229	217	212
Indirect Purchases	3,091	3,223	2,690	2,424	2,329	2,305	2,292
<b>Total :</b>	<b>3,514</b>	<b>3,653</b>	<b>2,995</b>	<b>2,655</b>	<b>2,558</b>	<b>2,521</b>	<b>2,504</b>
<b>INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR</b>							
Aircraft Engines	55	64	57	53	54	52	52
Aircraft Parts	101	121	103	93	95	93	91
Ammunition	22	25	19	15	14	14	13
Communication Equipment	212	220	194	172	173	173	174
Missiles	289	315	274	259	268	269	270
Motor Vehicles	17	10	8	5	5	4	4
Shipbuilding	132	173	159	198	139	156	162
Tanks	32	20	17	10	7	8	12
Other Electronic Equipment	14	15	13	12	12	12	12
Other Ordinances	21	20	16	14	14	13	13
Other	2,196	2,240	1,830	1,593	1,547	1,511	1,490
<b>Total :</b>	<b>3,091</b>	<b>3,223</b>	<b>2,690</b>	<b>2,424</b>	<b>2,329</b>	<b>2,305</b>	<b>2,292</b>

*Note: numbers may not add due to rounding*

**Table 65 Projected Defense Purchases of  
299 Commercial and industrial machinery and equipment rental and leasing**

(Millions of 2012 dollars)

	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	422	449	349	284	272	267	265
Indirect Purchases	3,295	3,293	2,645	2,283	2,214	2,177	2,157
<b>Total :</b>	<b>3,718</b>	<b>3,743</b>	<b>2,993</b>	<b>2,567</b>	<b>2,486</b>	<b>2,444</b>	<b>2,422</b>
<b>INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR</b>							
Aircraft Engines	15	17	15	14	14	14	14
Aircraft Parts	47	56	47	43	44	42	42
Ammunition	14	16	12	10	9	9	8
Communication Equipment	90	93	81	72	72	72	73
Missiles	40	43	37	35	37	37	37
Motor Vehicles	16	9	7	4	4	3	4
Shipbuilding	44	57	52	65	46	51	53
Tanks	19	12	10	6	4	5	7
Other Electronic Equipment	12	12	11	10	10	10	10
Other Ordinances	9	9	7	6	6	6	6
Other	2,990	2,969	2,363	2,018	1,967	1,928	1,905
<b>Total :</b>	<b>3,295</b>	<b>3,293</b>	<b>2,645</b>	<b>2,283</b>	<b>2,214</b>	<b>2,177</b>	<b>2,157</b>

*Note: numbers may not add due to rounding*

**Table 66 Projected Defense Purchases of  
119 Other plastics products**

(Millions of 2012 dollars)

	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	73	78	63	53	52	51	51
Indirect Purchases	3,399	3,525	2,900	2,563	2,468	2,429	2,412
<b>Total :</b>	<b>3,472</b>	<b>3,603</b>	<b>2,963</b>	<b>2,616</b>	<b>2,519</b>	<b>2,480</b>	<b>2,463</b>
<b>INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR</b>							
Aircraft Engines	19	23	20	19	19	19	19
Aircraft Parts	356	426	362	327	335	325	320
Ammunition	42	48	36	30	27	27	26
Communication Equipment	210	218	189	165	166	166	166
Missiles	67	72	63	60	62	62	62
Motor Vehicles	39	23	19	12	11	9	10
Shipbuilding	128	167	153	191	134	150	155
Tanks	55	35	29	17	13	14	20
Other Electronic Equipment	21	22	20	19	19	18	18
Other Ordinances	27	26	21	18	18	17	16
Other	2,435	2,463	1,987	1,707	1,665	1,623	1,601
<b>Total :</b>	<b>3,399</b>	<b>3,525</b>	<b>2,900</b>	<b>2,563</b>	<b>2,468</b>	<b>2,429</b>	<b>2,412</b>

*Note: numbers may not add due to rounding*

**Table 67 Projected Defense Purchases of  
343 Commercial and industrial machinery and equipment repair and maintenance**

(Millions of 2012 dollars)

	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	1,528	1,654	1,330	1,124	1,012	1,017	1,037
Indirect Purchases	1,951	1,989	1,626	1,420	1,358	1,332	1,320
<b>Total :</b>	<b>3,479</b>	<b>3,643</b>	<b>2,956</b>	<b>2,544</b>	<b>2,370</b>	<b>2,349</b>	<b>2,357</b>
<b>INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR</b>							
Aircraft Engines	17	20	18	17	17	17	16
Aircraft Parts	39	46	39	35	36	35	34
Ammunition	19	22	16	13	12	12	11
Communication Equipment	90	93	81	72	72	72	73
Missiles	36	38	33	31	32	32	32
Motor Vehicles	18	10	8	5	5	4	4
Shipbuilding	56	73	66	83	58	65	67
Tanks	21	13	11	6	5	5	8
Other Electronic Equipment	13	13	12	11	11	11	10
Other Ordinances	10	10	8	7	7	7	6
Other	1,633	1,650	1,332	1,140	1,103	1,073	1,058
<b>Total :</b>	<b>1,951</b>	<b>1,989</b>	<b>1,626</b>	<b>1,420</b>	<b>1,358</b>	<b>1,332</b>	<b>1,320</b>

*Note: numbers may not add due to rounding*

**Table 68 Projected Defense Purchases of  
289 Nondepository credit intermediation and related activities**

(Millions of 2012 dollars)

	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	17	18	14	12	12	12	12
Indirect Purchases	3,563	3,573	2,921	2,572	2,466	2,434	2,419
<b>Total :</b>	<b>3,580</b>	<b>3,591</b>	<b>2,935</b>	<b>2,585</b>	<b>2,477</b>	<b>2,445</b>	<b>2,431</b>
<b>INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR</b>							
Aircraft Engines	29	34	30	28	29	28	28
Aircraft Parts	77	91	77	70	72	69	68
Ammunition	19	22	16	13	12	12	12
Communication Equipment	145	150	131	116	117	117	117
Missiles	85	92	80	75	78	78	78
Motor Vehicles	27	15	12	7	7	6	7
Shipbuilding	113	147	135	168	118	132	137
Tanks	36	23	19	11	8	9	13
Other Electronic Equipment	17	17	16	15	15	14	14
Other Ordinances	14	14	11	10	9	9	9
Other	3,002	2,966	2,392	2,059	2,001	1,959	1,937
<b>Total :</b>	<b>3,563</b>	<b>3,573</b>	<b>2,921</b>	<b>2,572</b>	<b>2,466</b>	<b>2,434</b>	<b>2,419</b>

*Note: numbers may not add due to rounding*

**Table 69 Projected Defense Purchases of  
321 Other support services**

(Millions of 2012 dollars)

	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	1,260	1,360	1,030	885	881	900	924
Indirect Purchases	2,138	2,220	1,842	1,648	1,599	1,578	1,566
<b>Total :</b>	<b>3,399</b>	<b>3,580</b>	<b>2,872</b>	<b>2,533</b>	<b>2,480</b>	<b>2,478</b>	<b>2,490</b>
<b>INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR</b>							
Aircraft Engines	27	32	28	26	27	26	26
Aircraft Parts	62	75	63	57	59	57	56
Ammunition	13	15	11	9	9	8	8
Communication Equipment	146	151	133	118	119	119	120
Missiles	198	215	187	177	184	184	185
Motor Vehicles	10	6	5	3	3	2	2
Shipbuilding	62	81	75	93	65	73	76
Tanks	17	11	9	5	4	4	6
Other Electronic Equipment	8	8	7	7	7	6	6
Other Ordinances	13	12	10	8	8	8	8
Other	1,582	1,613	1,313	1,143	1,115	1,089	1,073
<b>Total :</b>	<b>2,138</b>	<b>2,220</b>	<b>1,842</b>	<b>1,648</b>	<b>1,599</b>	<b>1,578</b>	<b>1,566</b>

*Note: numbers may not add due to rounding*

**Table 70 Projected Defense Purchases of  
75 Apparel accessories and other apparel**

(Millions of 2012 dollars)

	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	3,431	3,516	2,632	2,336	2,314	2,257	2,205
Indirect Purchases	236	241	185	166	164	161	158
<b>Total :</b>	<b>3,667</b>	<b>3,756</b>	<b>2,817</b>	<b>2,501</b>	<b>2,478</b>	<b>2,418</b>	<b>2,363</b>
<b>INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR</b>							
Aircraft Engines	0	0	0	0	0	0	0
Aircraft Parts	0	0	0	0	0	0	0
Ammunition	0	0	0	0	0	0	0
Communication Equipment	0	0	0	0	0	0	0
Missiles	0	0	0	0	0	0	0
Motor Vehicles	0	0	0	0	0	0	0
Shipbuilding	0	0	0	0	0	0	0
Tanks	0	0	0	0	0	0	0
Other Electronic Equipment	0	0	0	0	0	0	0
Other Ordinances	0	0	0	0	0	0	0
Other	235	240	184	165	164	160	158
<b>Total :</b>	<b>236</b>	<b>241</b>	<b>185</b>	<b>166</b>	<b>164</b>	<b>161</b>	<b>158</b>

*Note: numbers may not add due to rounding*

**Table 71 Projected Defense Purchases of  
153 Arms, ordnance, and accessories**

(Millions of 2012 dollars)

	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	3,445	3,436	2,750	2,321	2,304	2,246	2,148
Indirect Purchases	24	25	20	17	17	17	17
<b>Total :</b>	<b>3,469</b>	<b>3,461</b>	<b>2,770</b>	<b>2,338</b>	<b>2,321</b>	<b>2,263</b>	<b>2,165</b>
<b>INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR</b>							
Aircraft Engines	0	0	0	0	0	0	0
Aircraft Parts	0	0	0	0	0	0	0
Ammunition	1	1	1	0	0	0	0
Communication Equipment	0	0	0	0	0	0	0
Missiles	0	0	0	0	0	0	0
Motor Vehicles	0	0	0	0	0	0	0
Shipbuilding	0	0	0	0	0	0	0
Tanks	0	0	0	0	0	0	0
Other Electronic Equipment	0	0	0	0	0	0	0
Other Ordinances	18	19	16	13	13	13	13
Other	4	4	3	3	3	3	3
<b>Total :</b>	<b>24</b>	<b>25</b>	<b>20</b>	<b>17</b>	<b>17</b>	<b>17</b>	<b>17</b>

*Note: numbers may not add due to rounding*

**Table 72 Projected Defense Purchases of  
326 Junior colleges, colleges, universities, and professional schools**

(Millions of 2012 dollars)

	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	3,069	3,256	2,632	2,327	2,172	2,075	2,007
Indirect Purchases	130	138	113	100	98	97	97
<b>Total :</b>	<b>3,199</b>	<b>3,394</b>	<b>2,745</b>	<b>2,427</b>	<b>2,269</b>	<b>2,172</b>	<b>2,104</b>
<b>INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR</b>							
Aircraft Engines	0	0	0	0	0	0	0
Aircraft Parts	1	1	1	1	1	1	1
Ammunition	0	0	0	0	0	0	0
Communication Equipment	2	2	2	2	2	2	2
Missiles	1	1	1	1	1	1	1
Motor Vehicles	1	0	0	0	0	0	0
Shipbuilding	1	1	1	1	1	1	1
Tanks	0	0	0	0	0	0	0
Other Electronic Equipment	0	0	0	0	0	0	0
Other Ordinances	0	0	0	0	0	0	0
Other	123	131	107	94	92	92	91
<b>Total :</b>	<b>130</b>	<b>138</b>	<b>113</b>	<b>100</b>	<b>98</b>	<b>97</b>	<b>97</b>

*Note: numbers may not add due to rounding*

**Table 73 Projected Defense Purchases of  
198 Other communications equipment**

(Millions of 2012 dollars)

	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	2,960	3,103	2,590	2,213	2,228	2,245	2,227
Indirect Purchases	150	154	122	103	99	97	97
<b>Total :</b>	<b>3,110</b>	<b>3,256</b>	<b>2,712</b>	<b>2,316</b>	<b>2,327</b>	<b>2,342</b>	<b>2,324</b>
<b>INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR</b>							
Aircraft Engines	1	1	1	1	1	1	1
Aircraft Parts	2	2	2	2	2	2	2
Ammunition	0	1	0	0	0	0	0
Communication Equipment	6	7	6	5	6	6	7
Missiles	3	3	3	3	3	3	3
Motor Vehicles	1	0	0	0	0	0	0
Shipbuilding	2	3	2	3	2	2	2
Tanks	1	1	0	0	0	0	0
Other Electronic Equipment	0	0	0	0	0	0	0
Other Ordinances	0	0	0	0	0	0	0
Other	134	135	106	88	85	82	81
<b>Total :</b>	<b>150</b>	<b>153</b>	<b>122</b>	<b>103</b>	<b>99</b>	<b>97</b>	<b>97</b>

*Note: numbers may not add due to rounding*

**Table 74 Projected Defense Purchases of  
309 Environmental and other technical consulting services**

(Millions of 2012 dollars)

	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	2,084	2,179	1,566	1,216	1,171	1,155	1,141
Indirect Purchases	1,312	1,368	1,137	1,019	974	960	951
<b>Total :</b>	<b>3,396</b>	<b>3,547</b>	<b>2,703</b>	<b>2,235</b>	<b>2,145</b>	<b>2,114</b>	<b>2,092</b>
<b>INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR</b>							
Aircraft Engines	19	23	20	19	19	18	19
Aircraft Parts	18	22	19	17	17	17	16
Ammunition	6	7	5	4	4	4	4
Communication Equipment	52	54	47	42	42	42	42
Missiles	30	32	28	26	27	27	27
Motor Vehicles	5	3	2	1	1	1	1
Shipbuilding	49	64	59	74	52	58	60
Tanks	12	7	6	4	3	3	4
Other Electronic Equipment	5	5	5	4	4	4	4
Other Ordinances	5	5	4	3	3	3	3
Other	1,112	1,147	942	825	802	782	770
<b>Total :</b>	<b>1,312</b>	<b>1,368</b>	<b>1,137</b>	<b>1,019</b>	<b>974</b>	<b>960</b>	<b>951</b>

*Note: numbers may not add due to rounding*

**Table 75 Projected Defense Purchases of  
316 Office administrative services**

(Millions of 2012 dollars)

	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	590	616	431	333	324	323	321
Indirect Purchases	2,533	2,574	2,105	1,860	1,793	1,766	1,749
<b>Total :</b>	<b>3,123</b>	<b>3,189</b>	<b>2,537</b>	<b>2,193</b>	<b>2,117</b>	<b>2,088</b>	<b>2,070</b>
<b>INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR</b>							
Aircraft Engines	21	24	22	20	20	20	20
Aircraft Parts	28	33	28	25	26	25	25
Ammunition	8	9	7	5	5	5	5
Communication Equipment	81	84	74	65	66	66	66
Missiles	42	46	40	38	39	39	39
Motor Vehicles	8	4	4	2	2	2	2
Shipbuilding	58	76	70	87	61	68	71
Tanks	14	9	8	4	3	4	5
Other Electronic Equipment	7	7	6	6	6	6	5
Other Ordinances	6	6	5	4	4	4	4
Other	2,261	2,275	1,844	1,603	1,561	1,528	1,507
<b>Total :</b>	<b>2,533</b>	<b>2,574</b>	<b>2,105</b>	<b>1,860</b>	<b>1,793</b>	<b>1,766</b>	<b>1,749</b>

*Note: numbers may not add due to rounding*

### **SECTION III: INDIVIDUAL STATE PROJECTIONS (RDEPPS)**

The tables in this section give state-level estimates of defense and defense-related expenditures in calendar years 2010 through 2016. A separate table is provided for each of the 50 states and the District of Columbia; an additional table is provided for the United States as a whole. The tables are divided into two sections. The first section of each table presents estimates of direct defense purchases and pay and of indirect defense purchases for each year of the projection period (for purposes of comparison, projections of nondefense expenditures and of total output—total economic activity—also are provided). The second section provides estimates of the dollar value of direct and indirect purchases from the five industrial sectors projected to lead in defense sales in the state, and the five projected to lead in indirect sales stemming from DoD purchases, during the forecast period.

The industrial *sectors* represented in the tables are aggregates of the *industries* covered in Section II. Industrial projections are made for 360 industries. For purposes of the state-level reports, these are grouped into 111 industrial sectors. For example, industrial sector 54, “Aerospace products and parts,” used in the state tables, includes five industries: industry 235, “Aircraft”; industry 236, “Aircraft engines and engine parts”; industry 237, “Other aircraft parts and auxiliary equipment”; industry 238, “Guided Missiles and Space Vehicles”; and industry 239, “Propulsion units and parts for space vehicles and guided missiles.”

#### **Relationship of the RDEPPS State Level Projections to the IDEPPS National Projections**

*IDEPPS*’ treatment of defense expenditures differs from that of *RDEPPS* in several important ways, due to differences in the conceptual rationale for each module. *IDEPPS* is designed to investigate economy-wide effects of the defense budget, by simultaneously determining domestic production, imports, and indirect purchases by industry. *RDEPPS* is designed to investigate domestic effects of expenditures by state, including military retirement disbursements. Therefore, *RDEPPS* includes *only* that part of active duty and retirement pay spent domestically, making an explicit adjustment for pay that is sent abroad. Retirement pay is treated on a disbursement basis in *RDEPPS*, whereas it is treated on an accrual basis in *IDEPPS*. The *RDEPPS* measure of total direct defense expenditures is made smaller by the removal of pay sent abroad, but is made larger by the fact that retirement disbursements currently exceed accruals. The net effect is that *RDEPPS* projections of total direct spending are *larger* than the comparable *IDEPPS* projections.

**TABLE III - 1 Alabama Summary**

(Millions of 2012 dollars)

	2010	2011	2012	2013	2014	2015	2016
<b>AGGREGATE MEASURES</b>							
Total Direct Expenditures (Purchases and Pay)	17,552	17,662	15,525	14,601	13,350	13,114	12,937
Indirect Defense Purchases Resulting from Direct Purchases	8,934	8,994	7,603	6,862	6,546	6,350	6,248
Induced Defense Purchases Resulting from Direct Pay	2,230	2,201	2,207	2,367	2,661	2,672	2,651
Total Nondefense Expenditures	432,239	447,096	463,937	479,258	491,429	502,032	514,023
Total Output	461,565	476,554	489,816	503,593	514,569	524,735	536,417
General government industry	4,287	4,086	4,181	4,574	3,791	3,857	3,855
<b>LARGEST PURCHASES BY INDUSTRIAL SECTORS</b>							
<b>Total Direct Expenditures (Purchases and Pay)</b>							
Professional, scientific and technical services	6,509	6,701	5,914	5,415	5,163	4,934	4,802
General government industry	4,287	4,086	4,181	4,574	3,791	3,857	3,855
New construction	950	971	735	583	557	540	531
Administrative and support services	771	795	587	468	450	432	421
Computer systems design and related services	571	609	469	397	386	387	386
<b>Indirect Defense Purchases Resulting from Direct Purchases</b>							
Professional, scientific and technical services	2,618	2,667	2,283	2,065	1,954	1,899	1,875
Administrative and support services	1,575	1,599	1,419	1,341	1,274	1,220	1,185
Fabricated metal products	311	306	251	219	208	205	205
Iron and steel	234	227	184	163	151	148	147
Wholesale trade	221	223	185	163	156	154	153

*Note: Numbers may not add to totals due to roundings.*

**TABLE III - 2 Alaska Summary**

(Millions of 2012 dollars)

	2010	2011	2012	2013	2014	2015	2016
<b>AGGREGATE MEASURES</b>							
Total Direct Expenditures (Purchases and Pay)	6,302	6,426	5,509	5,095	5,213	5,171	5,125
Indirect Defense Purchases Resulting from Direct Purchases	2,642	2,670	2,193	1,901	1,837	1,804	1,784
Induced Defense Purchases Resulting from Direct Pay	1,005	990	992	1,063	1,196	1,201	1,193
Total Nondefense Expenditures	132,248	137,160	142,818	147,880	151,699	155,578	159,371
Total Output	142,824	147,875	152,089	156,510	160,551	164,358	168,070
General government industry	2,696	2,777	2,737	2,800	2,976	2,970	2,949
<b>LARGEST PURCHASES BY INDUSTRIAL SECTORS</b>							
<b>Total Direct Expenditures (Purchases and Pay)</b>							
General government industry	2,696	2,777	2,737	2,800	2,976	2,970	2,949
Administrative and support services	527	544	371	275	268	264	261
New construction	502	509	399	322	304	290	283
Maintenance and repair construction	467	482	339	258	253	250	248
Apparel	455	459	360	348	349	345	339
<b>Indirect Defense Purchases Resulting from Direct Purchases</b>							
Administrative and support services	1,076	1,094	897	788	759	746	736
Crude oil extraction	450	449	387	327	318	309	305
Pipeline transportation	131	130	106	90	86	84	83
Electric utilities	117	119	97	85	82	81	81
Professional, scientific and technical services	105	109	86	73	70	70	70

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*Note: Numbers may not add to totals due to roundings.*

**TABLE III - 3 Arizona Summary**

(Millions of 2012 dollars)

	2010	2011	2012	2013	2014	2015	2016
<b>AGGREGATE MEASURES</b>							
Total Direct Expenditures (Purchases and Pay)	20,808	22,068	18,955	17,489	16,345	16,161	16,028
Indirect Defense Purchases Resulting from Direct Purchases	6,607	6,744	5,612	5,030	4,888	4,819	4,798
Induced Defense Purchases Resulting from Direct Pay	1,836	1,812	1,818	1,951	2,193	2,201	2,184
Total Nondefense Expenditures	410,315	425,874	444,190	460,735	474,636	486,863	500,514
Total Output	439,554	456,499	470,626	485,304	498,123	510,122	523,606
General government industry	3,409	3,406	3,398	3,514	2,584	2,596	2,583
<b>LARGEST PURCHASES BY INDUSTRIAL SECTORS</b>							
<b>Total Direct Expenditures (Purchases and Pay)</b>							
Aerospace products and parts	4,392	5,036	4,165	3,751	3,845	3,790	3,757
General government industry	3,409	3,406	3,398	3,514	2,584	2,596	2,583
Professional, scientific and technical services	3,281	3,480	3,022	2,752	2,697	2,627	2,571
Offices of physicians, dentists, and other health practioners	2,900	3,323	2,840	2,747	2,647	2,684	2,703
Fabricated metal products	871	943	736	617	593	577	559
<b>Indirect Defense Purchases Resulting from Direct Purchases</b>							
Professional, scientific and technical services	1,320	1,385	1,166	1,049	1,021	1,011	1,004
Administrative and support services	564	579	502	482	477	476	488
Real estate	382	387	318	280	270	266	263
Management of companies and enterprices	322	329	275	244	237	233	232
Wholesale trade	315	317	263	232	222	219	218

*Note: Numbers may not add to totals due to roundings.*

**TABLE III - 4 Arkansas Summary**

(Millions of 2012 dollars)

	2010	2011	2012	2013	2014	2015	2016
<b>AGGREGATE MEASURES</b>							
Total Direct Expenditures (Purchases and Pay)	3,783	3,759	3,250	2,987	2,547	2,520	2,496
Indirect Defense Purchases Resulting from Direct Purchases	2,718	2,712	2,217	1,951	1,873	1,837	1,822
Induced Defense Purchases Resulting from Direct Pay	874	862	864	927	1,041	1,044	1,034
Total Nondefense Expenditures	199,420	207,261	214,404	221,316	227,352	232,863	239,127
Total Output	206,838	214,638	220,766	227,209	232,836	238,287	244,502
General government industry	1,306	1,302	1,300	1,346	959	964	960
<b>LARGEST PURCHASES BY INDUSTRIAL SECTORS</b>							
<b>Total Direct Expenditures (Purchases and Pay)</b>							
General government industry	1,306	1,302	1,300	1,346	959	964	960
Truck transportation	530	428	323	269	266	264	262
Fabricated metal products	446	484	374	310	299	292	283
New construction	256	258	206	168	156	148	144
Maintenance and repair construction	137	137	99	77	74	73	72
<b>Indirect Defense Purchases Resulting from Direct Purchases</b>							
Fabricated metal products	258	253	208	182	172	170	170
Management of companies and enterprises	228	233	195	173	168	165	164
Iron and steel	150	145	118	104	97	95	94
Wholesale trade	147	148	122	108	103	102	101
Truck transportation	144	141	114	99	96	94	93

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*Note: Numbers may not add to totals due to roundings.*

**TABLE III - 5 California Summary**

(Millions of 2012 dollars)

	2010	2011	2012	2013	2014	2015	2016
<b>AGGREGATE MEASURES</b>							
Total Direct Expenditures (Purchases and Pay)	79,976	82,601	71,821	67,167	62,719	62,020	61,458
Indirect Defense Purchases Resulting from Direct Purchases	46,206	46,710	38,558	34,115	32,881	32,300	32,029
Induced Defense Purchases Resulting from Direct Pay	11,355	11,197	11,242	12,065	13,553	13,587	13,465
Total Nondefense Expenditures	3,482,370	3,615,628	3,748,841	3,874,012	3,977,831	4,074,911	4,184,490
Total Output	3,619,785	3,755,847	3,870,337	3,987,050	4,086,988	4,182,757	4,291,361
General government industry	14,807	14,492	14,625	15,574	13,037	13,172	13,133
<b>LARGEST PURCHASES BY INDUSTRIAL SECTORS</b>							
<b>Total Direct Expenditures (Purchases and Pay)</b>							
Professional, scientific and technical services	16,366	16,980	15,058	13,834	13,289	12,755	12,422
General government industry	14,807	14,492	14,625	15,574	13,037	13,172	13,133
Aerospace products and parts	9,842	11,169	9,405	8,690	8,780	8,610	8,499
Communications and audio-video equipment	3,728	3,815	3,471	3,124	2,993	2,917	2,849
New construction	3,355	3,381	2,671	2,165	2,024	1,918	1,869
<b>Indirect Defense Purchases Resulting from Direct Purchases</b>							
Professional, scientific and technical services	6,583	6,758	5,812	5,275	5,029	4,909	4,850
Management of companies and enterprises	3,202	3,280	2,742	2,432	2,356	2,318	2,309
Real estate	3,200	3,243	2,660	2,343	2,263	2,226	2,208
Petroleum and coal products	2,394	2,312	1,855	1,583	1,534	1,503	1,487
Wholesale trade	2,342	2,358	1,953	1,722	1,652	1,627	1,620

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*Note: Numbers may not add to totals due to roundings.*

**TABLE III - 6 Colorado Summary**

(Millions of 2012 dollars)

	2010	2011	2012	2013	2014	2015	2016
<b>AGGREGATE MEASURES</b>							
Total Direct Expenditures (Purchases and Pay)	14,462	14,836	13,062	12,195	11,317	11,155	11,028
Indirect Defense Purchases Resulting from Direct Purchases	6,970	7,049	5,873	5,219	5,024	4,927	4,880
Induced Defense Purchases Resulting from Direct Pay	2,402	2,370	2,383	2,562	2,882	2,894	2,871
Total Nondefense Expenditures	447,518	464,818	482,977	500,100	513,872	526,572	540,621
Total Output	471,399	489,109	504,348	520,136	533,151	545,609	559,461
General government industry	4,932	4,991	4,953	5,096	4,382	4,388	4,361
<b>LARGEST PURCHASES BY INDUSTRIAL SECTORS</b>							
<b>Total Direct Expenditures (Purchases and Pay)</b>							
General government industry	4,932	4,991	4,953	5,096	4,382	4,388	4,361
Professional, scientific and technical services	2,843	2,943	2,582	2,355	2,256	2,165	2,110
Aerospace products and parts	1,214	1,429	1,169	1,084	1,132	1,127	1,123
Telecommunications	849	879	694	579	566	564	563
New construction	664	665	540	444	411	385	373
<b>Indirect Defense Purchases Resulting from Direct Purchases</b>							
Professional, scientific and technical services	1,144	1,171	997	898	854	833	824
Administrative and support services	649	660	534	464	448	442	437
Telecommunications	429	439	356	307	298	294	293
Management of companies and enterprises	361	369	309	274	265	261	260
Real estate	316	320	263	231	223	220	218

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*Note: Numbers may not add to totals due to roundings.*

**TABLE III - 7 Connecticut Summary**

(Millions of 2012 dollars)

	2010	2011	2012	2013	2014	2015	2016
<b>AGGREGATE MEASURES</b>							
Total Direct Expenditures (Purchases and Pay)	15,188	16,832	14,642	14,580	13,301	13,481	13,484
Indirect Defense Purchases Resulting from Direct Purchases	6,093	6,153	5,169	4,645	4,477	4,392	4,358
Induced Defense Purchases Resulting from Direct Pay	885	872	877	944	1,062	1,065	1,056
Total Nondefense Expenditures	416,752	432,113	449,571	465,312	478,749	491,843	506,261
Total Output	438,852	455,871	470,238	485,479	497,595	510,798	525,177
General government industry	627	613	618	655	494	499	498
<b>LARGEST PURCHASES BY INDUSTRIAL SECTORS</b>							
<b>Total Direct Expenditures (Purchases and Pay)</b>							
Aerospace products and parts	5,303	6,126	5,089	4,720	4,846	4,787	4,746
Professional, scientific and technical services	2,571	2,665	2,461	2,315	2,226	2,128	2,066
Ship and boat building	2,523	3,331	3,074	3,862	2,695	3,043	3,160
Engine, turbine and power transmission equipment	1,101	1,078	940	903	961	980	988
General government industry	627	613	618	655	494	499	498
<b>Indirect Defense Purchases Resulting from Direct Purchases</b>							
Professional, scientific and technical services	1,034	1,061	950	883	842	819	807
Management of companies and enterprises	718	735	615	545	528	519	518
Insurance	499	472	382	343	335	331	327
Aerospace products and parts	432	473	425	403	403	392	391
Securities, investments, funds and trusts	425	428	353	317	302	299	297

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*Note: Numbers may not add to totals due to roundings.*

**TABLE III - 8 Delaware Summary**

(Millions of 2012 dollars)

	2010	2011	2012	2013	2014	2015	2016
<b>AGGREGATE MEASURES</b>							
Total Direct Expenditures (Purchases and Pay)	1,444	1,428	1,251	1,159	1,032	1,017	1,005
Indirect Defense Purchases Resulting from Direct Purchases	1,770	1,779	1,459	1,293	1,250	1,229	1,219
Induced Defense Purchases Resulting from Direct Pay	394	386	388	416	468	470	466
Total Nondefense Expenditures	125,557	130,117	134,537	138,810	142,668	146,291	150,380
Total Output	129,177	133,722	137,644	141,686	145,426	149,015	153,079
General government industry	582	587	583	601	492	493	491
<b>LARGEST PURCHASES BY INDUSTRIAL SECTORS</b>							
<b>Total Direct Expenditures (Purchases and Pay)</b>							
General government industry	582	587	583	601	492	493	491
New construction	154	156	122	99	93	88	86
Insurance	115	97	79	76	76	76	75
Maintenance and repair construction	100	101	73	56	54	53	53
Professional, scientific and technical services	57	58	53	50	47	44	43
<b>Indirect Defense Purchases Resulting from Direct Purchases</b>							
Banks, credit cards and finance	355	363	298	263	253	250	248
Management of companies and enterprises	288	295	247	219	212	209	208
Insurance	222	210	170	152	149	147	145
Royalties	105	108	91	82	77	77	76
Petroleum and coal products	94	90	72	62	60	59	58

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*Note: Numbers may not add to totals due to roundings.*

**TABLE III - 9 District of Columbia Summary**

(Millions of 2012 dollars)

	2010	2011	2012	2013	2014	2015	2016
<b>AGGREGATE MEASURES</b>							
Total Direct Expenditures (Purchases and Pay)	10,507	10,796	9,123	8,474	8,706	8,683	8,624
Indirect Defense Purchases Resulting from Direct Purchases	4,119	4,249	3,357	2,889	2,786	2,762	2,750
Induced Defense Purchases Resulting from Direct Pay	1,302	1,283	1,287	1,381	1,553	1,561	1,550
Total Nondefense Expenditures	186,433	191,692	199,114	205,670	209,269	212,929	217,245
Total Output	202,407	208,065	212,916	218,444	222,345	225,966	230,199
General government industry	3,341	3,242	3,296	3,609	3,986	4,029	4,018
<b>LARGEST PURCHASES BY INDUSTRIAL SECTORS</b>							
<b>Total Direct Expenditures (Purchases and Pay)</b>							
Professional, scientific and technical services	3,725	3,928	3,024	2,540	2,469	2,432	2,406
General government industry	3,341	3,242	3,296	3,609	3,986	4,029	4,018
Computer systems design and related services	648	690	536	455	443	443	442
Fabricated metal products	640	695	538	450	434	424	412
Administrative and support services	373	385	260	191	187	185	183
<b>Indirect Defense Purchases Resulting from Direct Purchases</b>							
Professional, scientific and technical services	1,498	1,563	1,167	968	934	936	939
Administrative and support services	762	775	629	548	528	521	515
Legal services	369	379	314	278	269	265	263
Computer systems design and related services	221	231	187	163	157	155	154
Information and data processing	143	147	122	107	101	100	99

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*Note: Numbers may not add to totals due to roundings.*

**TABLE III - 10 Florida Summary**

(Millions of 2012 dollars)

	2010	2011	2012	2013	2014	2015	2016
<b>AGGREGATE MEASURES</b>							
Total Direct Expenditures (Purchases and Pay)	35,267	35,489	30,276	27,629	23,569	23,373	23,200
Indirect Defense Purchases Resulting from Direct Purchases	16,187	16,427	13,397	11,803	11,406	11,242	11,167
Induced Defense Purchases Resulting from Direct Pay	5,583	5,508	5,530	5,937	6,676	6,701	6,648
Total Nondefense Expenditures	1,304,594	1,352,064	1,399,916	1,446,811	1,487,552	1,522,726	1,562,107
Total Output	1,361,790	1,409,611	1,449,233	1,492,282	1,529,304	1,564,142	1,603,223
General government industry	10,242	10,165	10,166	10,531	6,876	6,921	6,892
<b>LARGEST PURCHASES BY INDUSTRIAL SECTORS</b>							
<b>Total Direct Expenditures (Purchases and Pay)</b>							
General government industry	10,242	10,165	10,166	10,531	6,876	6,921	6,892
Professional, scientific and technical services	4,384	4,626	3,701	3,192	3,108	3,046	3,002
Water transportation	2,178	1,760	1,381	1,186	1,175	1,168	1,165
New construction	1,966	1,977	1,571	1,276	1,190	1,124	1,094
Aerospace products and parts	1,909	2,180	1,820	1,666	1,695	1,667	1,649
<b>Indirect Defense Purchases Resulting from Direct Purchases</b>							
Administrative and support services	1,928	1,963	1,614	1,431	1,385	1,367	1,358
Professional, scientific and technical services	1,764	1,841	1,429	1,217	1,176	1,173	1,172
Real estate	1,380	1,398	1,147	1,011	976	959	951
Wholesale trade	1,095	1,102	913	805	772	760	757
Management of companies and enterprises	1,030	1,055	882	782	758	746	743

Note: Numbers may not add to totals due to roundings.

**TABLE III - 11 Georgia Summary**

(Millions of 2012 dollars)

	2010	2011	2012	2013	2014	2015	2016
<b>AGGREGATE MEASURES</b>							
Total Direct Expenditures (Purchases and Pay)	23,641	24,064	21,152	19,974	19,179	19,089	18,959
Indirect Defense Purchases Resulting from Direct Purchases	11,764	11,906	9,705	8,527	8,240	8,112	8,047
Induced Defense Purchases Resulting from Direct Pay	5,129	5,062	5,081	5,455	6,135	6,161	6,114
Total Nondefense Expenditures	826,593	856,604	887,990	917,249	940,007	961,108	985,461
Total Output	867,283	897,791	924,079	951,368	973,691	994,608	1,018,721
General government industry	10,349	10,377	10,354	10,815	10,103	10,143	10,091
<b>LARGEST PURCHASES BY INDUSTRIAL SECTORS</b>							
<b>Total Direct Expenditures (Purchases and Pay)</b>							
General government industry	10,349	10,377	10,354	10,815	10,103	10,143	10,091
Aerospace products and parts	2,331	2,737	2,232	2,042	2,134	2,123	2,115
Air transportation	1,220	1,164	936	828	816	812	808
Professional, scientific and technical services	1,215	1,291	1,060	929	911	894	879
New construction	1,108	1,111	893	730	678	639	621
<b>Indirect Defense Purchases Resulting from Direct Purchases</b>							
Administrative and support services	1,677	1,706	1,381	1,200	1,160	1,147	1,136
Management of companies and enterprises	814	834	697	618	599	589	587
Wholesale trade	722	728	602	531	510	502	500
Textiles and textile products	524	527	419	371	364	354	346
Telecommunications	519	532	431	372	360	356	354

Note: Numbers may not add to totals due to roundings.

**TABLE III - 12 Hawaii Summary**

(Millions of 2012 dollars)

	2010	2011	2012	2013	2014	2015	2016
<b>AGGREGATE MEASURES</b>							
Total Direct Expenditures (Purchases and Pay)	10,349	10,493	9,479	9,170	9,462	9,438	9,375
Indirect Defense Purchases Resulting from Direct Purchases	2,479	2,526	2,042	1,779	1,720	1,698	1,686
Induced Defense Purchases Resulting from Direct Pay	2,211	2,179	2,182	2,339	2,631	2,643	2,626
Total Nondefense Expenditures	152,035	156,245	161,375	166,321	168,970	171,910	175,413
Total Output	167,184	171,547	175,162	179,682	182,853	185,760	189,169
General government industry	5,979	6,049	6,016	6,281	6,699	6,714	6,675
<b>LARGEST PURCHASES BY INDUSTRIAL SECTORS</b>							
<b>Total Direct Expenditures (Purchases and Pay)</b>							
General government industry	5,979	6,049	6,016	6,281	6,699	6,714	6,675
New construction	578	587	456	367	347	332	325
Maintenance and repair construction	474	487	345	263	257	254	252
Professional, scientific and technical services	396	413	335	289	278	271	266
Water transportation	354	289	225	193	191	190	189
<b>Indirect Defense Purchases Resulting from Direct Purchases</b>							
Administrative and support services	624	634	512	444	428	423	419
Electric utilities	319	327	266	234	226	223	221
Performing arts, spectator sports and museums	206	211	165	139	137	137	137
Professional, scientific and technical services	159	164	129	110	105	104	104
Real estate	118	120	98	87	84	82	81

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*Note: Numbers may not add to totals due to roundings.*

**TABLE III - 13 Idaho Summary**

(Millions of 2012 dollars)

	2010	2011	2012	2013	2014	2015	2016
<b>AGGREGATE MEASURES</b>							
Total Direct Expenditures (Purchases and Pay)	1,491	1,469	1,304	1,226	1,014	1,003	993
Indirect Defense Purchases Resulting from Direct Purchases	1,008	1,020	838	741	714	701	694
Induced Defense Purchases Resulting from Direct Pay	425	419	420	451	506	507	503
Total Nondefense Expenditures	95,016	98,984	102,514	105,969	109,013	111,717	114,812
Total Output	97,964	101,917	105,093	108,400	111,259	113,941	117,014
General government industry	729	737	731	747	551	552	548
<b>LARGEST PURCHASES BY INDUSTRIAL SECTORS</b>							
<b>Total Direct Expenditures (Purchases and Pay)</b>							
General government industry	729	737	731	747	551	552	548
Truck transportation	151	122	92	77	76	75	75
New construction	136	137	109	89	83	78	76
Maintenance and repair construction	65	64	47	37	36	34	34
Apparel	45	45	36	34	34	34	33
<b>Indirect Defense Purchases Resulting from Direct Purchases</b>							
Semiconductors and other electronic components	92	94	76	67	65	63	61
Management of companies and enterprises	90	92	77	68	66	65	65
Real estate	68	69	56	50	48	47	47
Wholesale trade	64	64	53	47	45	44	44
Wood products	45	44	35	29	27	26	25

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*Note: Numbers may not add to totals due to roundings.*

**TABLE III - 14 Illinois Summary**

(Millions of 2012 dollars)

	2010	2011	2012	2013	2014	2015	2016
<b>AGGREGATE MEASURES</b>							
Total Direct Expenditures (Purchases and Pay)	16,088	15,078	12,963	11,513	10,763	10,574	10,606
Indirect Defense Purchases Resulting from Direct Purchases	16,137	16,147	13,213	11,661	11,205	11,018	10,935
Induced Defense Purchases Resulting from Direct Pay	3,104	3,057	3,070	3,297	3,705	3,715	3,680
Total Nondefense Expenditures	1,277,037	1,326,152	1,371,646	1,415,981	1,452,831	1,488,035	1,528,308
Total Output	1,312,498	1,360,567	1,400,981	1,442,529	1,478,572	1,513,410	1,553,597
General government industry	2,790	2,692	2,737	2,961	2,505	2,540	2,536
<b>LARGEST PURCHASES BY INDUSTRIAL SECTORS</b>							
<b>Total Direct Expenditures (Purchases and Pay)</b>							
General government industry	2,790	2,692	2,737	2,961	2,505	2,540	2,536
Truck transportation	1,362	1,096	829	689	683	676	672
Other transportation equipment	1,102	645	564	350	287	285	390
Air transportation	1,029	980	788	698	687	684	681
New construction	994	996	801	655	607	570	554
<b>Indirect Defense Purchases Resulting from Direct Purchases</b>							
Management of companies and enterprises	1,678	1,719	1,436	1,274	1,234	1,214	1,210
Fabricated metal products	1,411	1,387	1,136	994	944	929	928
Wholesale trade	1,020	1,027	850	750	719	708	705
Real estate	852	864	709	624	603	594	589
Petroleum and coal products	777	750	602	514	498	487	482

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*Note: Numbers may not add to totals due to roundings.*

**TABLE III - 15 Indiana Summary**

(Millions of 2012 dollars)

	2010	2011	2012	2013	2014	2015	2016
<b>AGGREGATE MEASURES</b>							
Total Direct Expenditures (Purchases and Pay)	10,394	9,154	7,608	6,580	6,216	6,099	6,176
Indirect Defense Purchases Resulting from Direct Purchases	9,231	9,026	7,348	6,433	6,164	6,036	5,998
Induced Defense Purchases Resulting from Direct Pay	1,721	1,699	1,704	1,825	2,050	2,055	2,036
Total Nondefense Expenditures	610,732	635,245	657,217	677,804	694,359	710,451	729,645
Total Output	632,124	655,184	673,919	692,691	708,817	724,670	743,885
General government industry	1,464	1,378	1,419	1,570	1,271	1,298	1,299
<b>LARGEST PURCHASES BY INDUSTRIAL SECTORS</b>							
<b>Total Direct Expenditures (Purchases and Pay)</b>							
Motor vehicles	2,157	1,196	912	542	520	427	526
General government industry	1,464	1,378	1,419	1,570	1,271	1,298	1,299
Professional, scientific and technical services	1,023	1,076	851	727	705	691	682
Truck transportation	918	741	559	465	461	457	454
Aerospace products and parts	641	734	606	542	556	548	543
<b>Indirect Defense Purchases Resulting from Direct Purchases</b>							
Fabricated metal products	815	801	656	574	545	537	536
Iron and steel	807	781	634	560	522	510	507
Nonferrous metals	752	715	564	490	478	459	445
Motor vehicle parts	564	435	338	270	259	246	251
Other chemicals	505	517	422	368	349	339	337

Note: Numbers may not add to totals due to roundings.

**TABLE III - 16 Iowa Summary**

(Millions of 2012 dollars)

	2010	2011	2012	2013	2014	2015	2016
<b>AGGREGATE MEASURES</b>							
Total Direct Expenditures (Purchases and Pay)	3,310	3,224	2,728	2,424	2,224	2,200	2,186
Indirect Defense Purchases Resulting from Direct Purchases	3,144	3,131	2,572	2,291	2,193	2,156	2,140
Induced Defense Purchases Resulting from Direct Pay	683	673	675	724	813	814	806
Total Nondefense Expenditures	259,357	269,916	279,288	288,475	296,161	303,436	311,854
Total Output	266,521	276,969	285,279	293,929	301,403	308,620	316,999
General government industry	433	426	428	446	271	273	273
<b>LARGEST PURCHASES BY INDUSTRIAL SECTORS</b>							
<b>Total Direct Expenditures (Purchases and Pay)</b>							
Truck transportation	511	413	312	259	257	254	253
General government industry	433	426	428	446	271	273	273
Communications and audio-video equipment	309	317	291	256	255	260	259
Search, detection and navigation equipment	301	318	282	255	265	269	276
Professional, scientific and technical services	232	238	217	202	192	183	177
<b>Indirect Defense Purchases Resulting from Direct Purchases</b>							
Insurance	271	257	208	186	182	180	178
Fabricated metal products	234	229	188	165	156	154	154
Wholesale trade	167	169	140	123	118	116	116
Truck transportation	133	130	105	91	88	87	86
Banks, credit cards and finance	119	122	100	89	85	84	83

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*Note: Numbers may not add to totals due to roundings.*

**TABLE III - 17 Kansas Summary**

(Millions of 2012 dollars)

	2010	2011	2012	2013	2014	2015	2016
<b>AGGREGATE MEASURES</b>							
Total Direct Expenditures (Purchases and Pay)	6,973	7,205	6,381	6,023	5,910	5,849	5,796
Indirect Defense Purchases Resulting from Direct Purchases	3,442	3,502	2,919	2,618	2,541	2,501	2,497
Induced Defense Purchases Resulting from Direct Pay	1,436	1,416	1,422	1,526	1,716	1,722	1,709
Total Nondefense Expenditures	229,415	239,043	249,233	258,146	265,647	272,865	280,649
Total Output	241,512	251,453	260,129	268,500	275,923	283,052	290,771
General government industry	3,042	3,109	3,073	3,153	3,077	3,076	3,055
<b>LARGEST PURCHASES BY INDUSTRIAL SECTORS</b>							
<b>Total Direct Expenditures (Purchases and Pay)</b>							
General government industry	3,042	3,109	3,073	3,153	3,077	3,076	3,055
Aerospace products and parts	1,295	1,480	1,241	1,150	1,168	1,149	1,136
New construction	364	360	302	251	230	213	205
Truck transportation	301	244	184	153	151	150	149
Professional, scientific and technical services	251	264	220	194	188	183	180
<b>Indirect Defense Purchases Resulting from Direct Purchases</b>							
Aerospace products and parts	442	484	435	412	413	401	400
Administrative and support services	393	402	346	329	325	324	331
Telecommunications	187	192	155	134	130	128	128
Wholesale trade	170	171	142	125	120	118	117
Management of companies and enterprises	146	150	125	111	108	106	106

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*Note: Numbers may not add to totals due to roundings.*

**TABLE III - 18 Kentucky Summary**

(Millions of 2012 dollars)

	2010	2011	2012	2013	2014	2015	2016
<b>AGGREGATE MEASURES</b>							
Total Direct Expenditures (Purchases and Pay)	14,676	15,478	13,311	12,465	12,324	12,308	12,264
Indirect Defense Purchases Resulting from Direct Purchases	5,440	5,378	4,360	3,807	3,667	3,602	3,579
Induced Defense Purchases Resulting from Direct Pay	2,216	2,186	2,191	2,348	2,639	2,648	2,626
Total Nondefense Expenditures	317,248	328,538	341,778	353,103	361,801	370,353	380,340
Total Output	339,668	351,664	361,710	371,787	380,488	388,970	398,868
General government industry	4,576	4,723	4,648	4,730	4,824	4,811	4,774
<b>LARGEST PURCHASES BY INDUSTRIAL SECTORS</b>							
<b>Total Direct Expenditures (Purchases and Pay)</b>							
General government industry	4,576	4,723	4,648	4,730	4,824	4,811	4,774
Offices of physicians, dentists, and other health practioners	3,513	4,025	3,440	3,327	3,206	3,252	3,275
New construction	601	610	480	390	367	349	340
Air transportation	574	587	465	400	392	390	388
Transportation support, sightseeing, couriers	570	611	496	439	429	434	437
<b>Indirect Defense Purchases Resulting from Direct Purchases</b>							
Administrative and support services	796	811	665	589	572	567	565
Transportation support, sightseeing, couriers	281	260	207	179	175	173	172
Iron and steel	258	250	203	179	167	163	162
Waste management and remediation	251	251	192	160	154	152	151
Motor vehicle parts	243	187	146	116	112	106	108

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*Note: Numbers may not add to totals due to roundings.*

**TABLE III - 19 Louisiana Summary**

(Millions of 2012 dollars)

	2010	2011	2012	2013	2014	2015	2016
<b>AGGREGATE MEASURES</b>							
Total Direct Expenditures (Purchases and Pay)	8,781	8,336	7,180	6,508	5,992	5,913	5,903
Indirect Defense Purchases Resulting from Direct Purchases	8,668	8,593	7,027	6,094	5,902	5,786	5,731
Induced Defense Purchases Resulting from Direct Pay	1,723	1,681	1,675	1,785	1,997	1,996	1,971
Total Nondefense Expenditures	525,850	546,611	565,289	582,911	599,207	615,422	632,480
Total Output	545,068	565,259	581,173	597,247	613,097	629,096	646,062
General government industry	2,343	2,366	2,351	2,431	2,175	2,180	2,167
<b>LARGEST PURCHASES BY INDUSTRIAL SECTORS</b>							
<b>Total Direct Expenditures (Purchases and Pay)</b>							
General government industry	2,343	2,366	2,351	2,431	2,175	2,180	2,167
Water transportation	1,247	1,034	799	681	673	668	665
New construction	1,150	1,137	962	803	734	678	652
Motor vehicles	547	305	232	138	133	109	134
Computer systems design and related services	463	457	412	362	368	372	373
<b>Indirect Defense Purchases Resulting from Direct Purchases</b>							
Petroleum and coal products	3,253	3,142	2,520	2,151	2,085	2,041	2,020
Crude oil extraction	793	791	683	576	561	545	539
Administrative and support services	436	443	360	314	303	299	295
Management of companies and enterprises	320	328	274	243	235	232	231
Other chemicals	313	320	262	228	216	210	209

Note: Numbers may not add to totals due to roundings.

**TABLE III - 20 Maine Summary**

(Millions of 2012 dollars)

	2010	2011	2012	2013	2014	2015	2016
<b>AGGREGATE MEASURES</b>							
Total Direct Expenditures (Purchases and Pay)	3,442	3,571	3,138	3,190	2,797	2,842	2,837
Indirect Defense Purchases Resulting from Direct Purchases	1,069	1,085	898	798	773	761	756
Induced Defense Purchases Resulting from Direct Pay	478	472	473	508	571	573	569
Total Nondefense Expenditures	113,379	117,145	120,888	124,578	127,695	130,450	133,583
Total Output	118,409	122,319	125,419	129,086	131,845	134,633	137,752
General government industry	858	794	825	930	769	788	790
<b>LARGEST PURCHASES BY INDUSTRIAL SECTORS</b>							
<b>Total Direct Expenditures (Purchases and Pay)</b>							
General government industry	858	794	825	930	769	788	790
Ship and boat building	619	742	682	788	583	620	627
Offices of physicians, dentists, and other health practioners	348	399	341	330	318	322	325
Apparel	319	323	253	239	238	234	230
Wholesale trade	182	184	141	137	136	134	132
<b>Indirect Defense Purchases Resulting from Direct Purchases</b>							
Paper	86	87	72	63	61	59	59
Aerospace products and parts	83	91	82	77	77	75	75
Real estate	69	70	57	50	49	48	47
Wholesale trade	66	66	55	48	46	46	45
Management of companies and enterprices	62	63	53	47	45	45	45

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*Note: Numbers may not add to totals due to roundings.*

**TABLE III - 21 Maryland Summary**

(Millions of 2012 dollars)

	2010	2011	2012	2013	2014	2015	2016
<b>AGGREGATE MEASURES</b>							
Total Direct Expenditures (Purchases and Pay)	25,160	25,684	22,210	20,678	19,662	19,528	19,367
Indirect Defense Purchases Resulting from Direct Purchases	10,126	10,349	8,417	7,388	7,126	7,035	6,986
Induced Defense Purchases Resulting from Direct Pay	3,026	2,983	2,992	3,210	3,610	3,625	3,599
Total Nondefense Expenditures	588,427	607,146	629,011	649,926	664,985	678,509	694,226
Total Output	626,786	646,201	662,670	681,242	695,393	708,742	724,223
General government industry	6,413	6,120	6,263	6,884	6,297	6,397	6,391
<b>LARGEST PURCHASES BY INDUSTRIAL SECTORS</b>							
<b>Total Direct Expenditures (Purchases and Pay)</b>							
Professional, scientific and technical services	7,346	7,725	6,404	5,656	5,492	5,350	5,252
General government industry	6,413	6,120	6,263	6,884	6,297	6,397	6,391
New construction	1,254	1,250	1,025	843	779	729	706
Communications and audio-video equipment	911	937	845	734	736	755	756
Aerospace products and parts	876	1,002	834	761	777	765	757
<b>Indirect Defense Purchases Resulting from Direct Purchases</b>							
Professional, scientific and technical services	2,955	3,074	2,472	2,157	2,078	2,059	2,050
Administrative and support services	1,199	1,220	995	872	841	830	820
Real estate	668	689	562	493	482	480	477
Legal services	514	527	438	390	376	369	365
Information and data processing	439	450	373	329	311	306	304

*Note: Numbers may not add to totals due to roundings.*

**TABLE III - 22 Massachusetts Summary**

(Millions of 2012 dollars)

	2010	2011	2012	2013	2014	2015	2016
<b>AGGREGATE MEASURES</b>							
Total Direct Expenditures (Purchases and Pay)	20,965	21,640	19,153	17,451	16,776	16,296	16,000
Indirect Defense Purchases Resulting from Direct Purchases	11,388	11,516	9,807	8,866	8,506	8,324	8,246
Induced Defense Purchases Resulting from Direct Pay	1,529	1,507	1,515	1,628	1,830	1,835	1,819
Total Nondefense Expenditures	705,669	732,796	761,673	788,722	811,006	832,468	856,326
Total Output	739,555	767,473	792,188	816,737	838,156	858,971	882,442
General government industry	1,270	1,214	1,240	1,351	1,100	1,118	1,117
<b>LARGEST PURCHASES BY INDUSTRIAL SECTORS</b>							
<b>Total Direct Expenditures (Purchases and Pay)</b>							
Professional, scientific and technical services	8,555	8,771	8,141	7,666	7,301	6,935	6,719
Aerospace products and parts	2,371	2,782	2,276	2,097	2,187	2,174	2,165
General government industry	1,270	1,214	1,240	1,351	1,100	1,118	1,117
Search, detection and navigation equipment	948	988	855	764	767	761	767
Communications and audio-video equipment	779	797	735	659	639	632	621
<b>Indirect Defense Purchases Resulting from Direct Purchases</b>							
Professional, scientific and technical services	3,441	3,491	3,142	2,923	2,763	2,669	2,623
Management of companies and enterprises	816	836	699	620	601	591	589
Securities, investments, funds and trusts	612	617	509	457	435	431	429
Fabricated metal products	547	537	440	385	366	360	360
Real estate	537	544	446	393	379	373	370

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*Note: Numbers may not add to totals due to roundings.*

**TABLE III - 23 Michigan Summary**

(Millions of 2012 dollars)

	2010	2011	2012	2013	2014	2015	2016
<b>AGGREGATE MEASURES</b>							
Total Direct Expenditures (Purchases and Pay)	9,389	8,591	7,467	6,481	5,801	5,738	5,853
Indirect Defense Purchases Resulting from Direct Purchases	11,051	10,725	9,039	7,749	7,146	7,031	7,066
Induced Defense Purchases Resulting from Direct Pay	2,146	2,127	2,135	2,289	2,567	2,570	2,543
Total Nondefense Expenditures	894,861	928,714	961,574	991,314	1,014,825	1,037,754	1,064,854
Total Output	917,510	950,225	980,254	1,007,868	1,030,367	1,053,119	1,080,342
General government industry	1,435	1,345	1,387	1,538	1,176	1,203	1,204
<b>LARGEST PURCHASES BY INDUSTRIAL SECTORS</b>							
<b>Total Direct Expenditures (Purchases and Pay)</b>							
General government industry	1,435	1,345	1,387	1,538	1,176	1,203	1,204
Other transportation equipment	1,432	841	737	460	377	374	509
Professional, scientific and technical services	940	1,022	890	815	817	806	791
Truck transportation	748	604	456	379	376	372	370
Other repair and maintenance, personal services	455	515	416	375	356	351	351
<b>Indirect Defense Purchases Resulting from Direct Purchases</b>							
Motor vehicle parts	1,236	954	742	593	569	540	550
Management of companies and enterprises	1,135	1,162	971	862	835	821	818
Fabricated metal products	1,030	1,012	829	726	689	678	678
Wholesale trade	591	595	493	434	417	410	409
Rental and leasing of goods	573	499	680	420	114	134	199

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*Note: Numbers may not add to totals due to roundings.*

**TABLE III - 24 Minnesota Summary**

(Millions of 2012 dollars)

	2010	2011	2012	2013	2014	2015	2016
<b>AGGREGATE MEASURES</b>							
Total Direct Expenditures (Purchases and Pay)	5,240	5,186	4,338	3,848	3,510	3,461	3,428
Indirect Defense Purchases Resulting from Direct Purchases	6,501	6,525	5,366	4,745	4,573	4,495	4,462
Induced Defense Purchases Resulting from Direct Pay	1,105	1,089	1,093	1,173	1,316	1,319	1,305
Total Nondefense Expenditures	517,753	538,239	557,568	576,026	591,928	606,968	623,969
Total Output	530,692	551,144	568,426	585,849	601,366	616,281	633,203
General government industry	664	650	654	687	432	437	436
<b>LARGEST PURCHASES BY INDUSTRIAL SECTORS</b>							
<b>Total Direct Expenditures (Purchases and Pay)</b>							
General government industry	664	650	654	687	432	437	436
Air transportation	530	505	406	359	354	352	351
Fabricated metal products	517	560	435	363	349	341	330
Truck transportation	489	395	298	248	246	243	242
Wholesale trade	310	346	322	285	274	270	269
<b>Indirect Defense Purchases Resulting from Direct Purchases</b>							
Management of companies and enterprises	1,062	1,088	909	807	781	769	766
Fabricated metal products	535	526	431	377	358	352	352
Wholesale trade	415	418	346	305	293	288	287
Petroleum and coal products	402	389	312	266	258	253	250
Banks, credit cards and finance	320	327	268	237	228	225	224

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*Note: Numbers may not add to totals due to roundings.*

**TABLE III - 25 Mississippi Summary**

(Millions of 2012 dollars)

	2010	2011	2012	2013	2014	2015	2016
<b>AGGREGATE MEASURES</b>							
Total Direct Expenditures (Purchases and Pay)	6,892	7,471	6,635	6,893	5,719	5,941	5,992
Indirect Defense Purchases Resulting from Direct Purchases	2,813	2,849	2,333	2,051	1,984	1,953	1,938
Induced Defense Purchases Resulting from Direct Pay	1,012	999	1,001	1,074	1,207	1,211	1,202
Total Nondefense Expenditures	189,225	196,113	202,999	209,612	214,996	219,969	225,591
Total Output	200,001	207,487	213,005	219,659	223,933	229,100	234,747
General government industry	1,910	1,872	1,887	2,007	1,682	1,699	1,694
<b>LARGEST PURCHASES BY INDUSTRIAL SECTORS</b>							
<b>Total Direct Expenditures (Purchases and Pay)</b>							
General government industry	1,910	1,872	1,887	2,007	1,682	1,699	1,694
Ship and boat building	1,755	2,316	2,137	2,681	1,873	2,113	2,195
Professional, scientific and technical services	595	651	571	526	530	524	514
Computer systems design and related services	328	352	267	224	218	218	218
New construction	313	315	251	204	191	181	176
<b>Indirect Defense Purchases Resulting from Direct Purchases</b>							
Administrative and support services	319	325	264	230	222	219	216
Professional, scientific and technical services	239	259	221	200	200	202	201
Fabricated metal products	118	116	95	83	79	78	78
Management of companies and enterprises	114	116	97	86	84	82	82
Computer systems design and related services	112	118	93	81	77	76	76

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*Note: Numbers may not add to totals due to roundings.*

**TABLE III - 26 Missouri Summary**

(Millions of 2012 dollars)

	2010	2011	2012	2013	2014	2015	2016
<b>AGGREGATE MEASURES</b>							
Total Direct Expenditures (Purchases and Pay)	17,287	18,042	15,695	14,370	13,751	13,466	13,293
Indirect Defense Purchases Resulting from Direct Purchases	7,789	7,853	6,580	5,875	5,645	5,528	5,480
Induced Defense Purchases Resulting from Direct Pay	1,778	1,755	1,761	1,890	2,124	2,131	2,113
Total Nondefense Expenditures	480,814	499,097	518,798	536,802	551,695	565,831	581,665
Total Output	507,688	526,765	542,893	559,037	573,277	587,034	602,633
General government industry	2,533	2,520	2,522	2,637	2,180	2,193	2,183
<b>LARGEST PURCHASES BY INDUSTRIAL SECTORS</b>							
<b>Total Direct Expenditures (Purchases and Pay)</b>							
Professional, scientific and technical services	4,019	4,141	3,813	3,577	3,420	3,259	3,162
Aerospace products and parts	3,514	4,130	3,380	3,129	3,265	3,247	3,234
General government industry	2,533	2,520	2,522	2,637	2,180	2,193	2,183
Fabricated metal products	1,400	1,516	1,183	989	951	925	896
Truck transportation	769	622	469	390	387	383	380
<b>Indirect Defense Purchases Resulting from Direct Purchases</b>							
Professional, scientific and technical services	1,617	1,648	1,472	1,364	1,294	1,255	1,234
Management of companies and enterprises	926	949	793	703	681	670	668
Fabricated metal products	390	383	314	275	261	257	256
Wholesale trade	359	362	300	264	254	250	249
Aerospace products and parts	280	307	276	261	262	254	254

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*Note: Numbers may not add to totals due to roundings.*

**TABLE III - 27 Montana Summary**

(Millions of 2012 dollars)

	2010	2011	2012	2013	2014	2015	2016
<b>AGGREGATE MEASURES</b>							
Total Direct Expenditures (Purchases and Pay)	1,257	1,244	1,107	1,024	891	881	873
Indirect Defense Purchases Resulting from Direct Purchases	742	744	614	545	526	517	516
Induced Defense Purchases Resulting from Direct Pay	272	268	269	288	324	325	322
Total Nondefense Expenditures	61,614	63,919	65,986	68,088	69,957	71,674	73,552
Total Output	63,897	66,185	67,984	69,952	71,705	73,405	75,269
General government industry	538	542	538	554	435	436	434
<b>LARGEST PURCHASES BY INDUSTRIAL SECTORS</b>							
<b>Total Direct Expenditures (Purchases and Pay)</b>							
General government industry	538	542	538	554	435	436	434
New construction	106	106	86	71	66	61	60
Truck transportation	94	76	57	48	47	47	47
Publishing, except software	94	101	92	77	76	78	77
Rail transportation	62	51	38	32	32	31	31
<b>Indirect Defense Purchases Resulting from Direct Purchases</b>							
Petroleum and coal products	71	68	55	47	45	44	44
Administrative and support services	64	66	60	60	60	60	63
Information and data processing	56	57	47	42	40	39	39
Wholesale trade	41	42	34	30	29	29	29
Real estate	40	40	33	29	28	28	27

*Note: Numbers may not add to totals due to roundings.*

**TABLE III - 28 Nebraska Summary**

(Millions of 2012 dollars)

	2010	2011	2012	2013	2014	2015	2016
<b>AGGREGATE MEASURES</b>							
Total Direct Expenditures (Purchases and Pay)	3,601	3,544	3,075	2,845	2,618	2,595	2,575
Indirect Defense Purchases Resulting from Direct Purchases	1,987	2,001	1,638	1,445	1,389	1,366	1,356
Induced Defense Purchases Resulting from Direct Pay	699	689	691	740	832	834	827
Total Nondefense Expenditures	156,102	162,138	167,885	173,348	177,980	182,309	187,199
Total Output	162,419	168,402	173,310	178,397	182,836	187,121	191,975
General government industry	1,209	1,212	1,208	1,256	1,077	1,081	1,076
<b>LARGEST PURCHASES BY INDUSTRIAL SECTORS</b>							
<b>Total Direct Expenditures (Purchases and Pay)</b>							
General government industry	1,209	1,212	1,208	1,256	1,077	1,081	1,076
Truck transportation	440	356	268	223	221	219	218
Computer systems design and related services	367	388	313	273	264	260	258
Professional, scientific and technical services	296	310	251	217	209	203	200
Rail transportation	270	220	166	139	137	136	135
<b>Indirect Defense Purchases Resulting from Direct Purchases</b>							
Rail transportation	149	145	116	100	96	94	94
Management of companies and enterprices	133	136	114	101	98	96	96
Computer systems design and related services	125	130	109	98	94	91	90
Professional, scientific and technical services	119	123	97	83	79	78	78
Truck transportation	118	116	93	81	79	77	77

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*Note: Numbers may not add to totals due to roundings.*

**TABLE III - 29 Nevada Summary**

(Millions of 2012 dollars)

	2010	2011	2012	2013	2014	2015	2016
<b>AGGREGATE MEASURES</b>							
Total Direct Expenditures (Purchases and Pay)	5,119	5,174	4,406	3,978	3,467	3,425	3,394
Indirect Defense Purchases Resulting from Direct Purchases	2,606	2,645	2,155	1,895	1,831	1,805	1,790
Induced Defense Purchases Resulting from Direct Pay	823	812	814	874	983	986	979
Total Nondefense Expenditures	201,619	208,846	215,842	223,037	229,216	234,559	240,482
Total Output	210,193	217,501	223,236	229,802	235,514	240,792	246,662
General government industry	1,598	1,626	1,607	1,627	1,166	1,164	1,156
<b>LARGEST PURCHASES BY INDUSTRIAL SECTORS</b>							
<b>Total Direct Expenditures (Purchases and Pay)</b>							
General government industry	1,598	1,626	1,607	1,627	1,166	1,164	1,156
Accommodation	693	657	512	436	431	427	423
Aerospace products and parts	407	463	381	331	339	333	330
New construction	356	357	285	233	216	203	198
Professional, scientific and technical services	316	331	260	221	213	209	206
<b>Indirect Defense Purchases Resulting from Direct Purchases</b>							
Accommodation	333	348	286	255	248	245	243
Management of companies and enterprises	310	317	265	235	228	224	223
Banks, credit cards and finance	188	192	157	139	134	132	131
Real estate	187	189	155	137	132	130	129
Administrative and support services	175	178	144	125	121	119	118

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*Note: Numbers may not add to totals due to roundings.*

**TABLE III - 30 New Hampshire Summary**

(Millions of 2012 dollars)

	2010	2011	2012	2013	2014	2015	2016
<b>AGGREGATE MEASURES</b>							
Total Direct Expenditures (Purchases and Pay)	2,634	2,702	2,344	2,096	1,890	1,868	1,861
Indirect Defense Purchases Resulting from Direct Purchases	1,426	1,433	1,184	1,051	1,010	992	983
Induced Defense Purchases Resulting from Direct Pay	311	307	308	330	371	372	369
Total Nondefense Expenditures	113,436	117,746	122,000	126,142	129,619	132,822	136,468
Total Output	117,801	122,181	125,832	129,617	132,889	136,053	139,681
General government industry	367	361	362	375	183	185	184
<b>LARGEST PURCHASES BY INDUSTRIAL SECTORS</b>							
<b>Total Direct Expenditures (Purchases and Pay)</b>							
Search, detection and navigation equipment	505	533	479	437	456	464	477
Professional, scientific and technical services	429	446	401	372	358	343	334
General government industry	367	361	362	375	183	185	184
Aerospace products and parts	214	231	192	153	150	144	141
Fabricated metal products	117	126	95	70	67	63	61
<b>Indirect Defense Purchases Resulting from Direct Purchases</b>							
Professional, scientific and technical services	173	177	155	142	135	132	130
Fabricated metal products	142	139	114	100	95	93	93
Management of companies and enterprises	98	100	84	74	72	71	71
Wholesale trade	91	92	76	67	64	63	63
Real estate	83	84	69	61	59	58	57

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*Note: Numbers may not add to totals due to roundings.*

**TABLE III - 31 New Jersey Summary**

(Millions of 2012 dollars)

	2010	2011	2012	2013	2014	2015	2016
<b>AGGREGATE MEASURES</b>							
Total Direct Expenditures (Purchases and Pay)	15,467	15,620	13,377	12,235	11,983	11,881	11,765
Indirect Defense Purchases Resulting from Direct Purchases	12,713	12,925	10,628	9,407	9,122	9,002	8,934
Induced Defense Purchases Resulting from Direct Pay	2,489	2,452	2,465	2,649	2,980	2,991	2,966
Total Nondefense Expenditures	968,218	1,003,238	1,037,740	1,071,098	1,098,441	1,124,789	1,155,042
Total Output	998,920	1,034,271	1,064,238	1,095,413	1,122,549	1,148,685	1,178,729
General government industry	2,350	2,200	2,275	2,556	2,425	2,473	2,473
<b>LARGEST PURCHASES BY INDUSTRIAL SECTORS</b>							
<b>Total Direct Expenditures (Purchases and Pay)</b>							
Professional, scientific and technical services	4,700	5,121	4,470	4,099	4,115	4,063	3,987
General government industry	2,350	2,200	2,275	2,556	2,425	2,473	2,473
Truck transportation	801	647	488	406	403	399	396
New construction	778	782	623	507	472	446	434
Air transportation	592	578	462	405	398	396	394
<b>Indirect Defense Purchases Resulting from Direct Purchases</b>							
Professional, scientific and technical services	1,890	2,038	1,725	1,563	1,557	1,564	1,557
Management of companies and enterprises	1,085	1,111	929	824	798	785	782
Wholesale trade	921	928	768	677	650	640	637
Real estate	715	724	594	523	505	497	492
Other chemicals	672	688	562	490	465	452	449

*Note: Numbers may not add to totals due to roundings.*

**TABLE III - 32 New Mexico Summary**

(Millions of 2012 dollars)

	2010	2011	2012	2013	2014	2015	2016
<b>AGGREGATE MEASURES</b>							
Total Direct Expenditures (Purchases and Pay)	4,493	4,514	4,029	3,791	3,419	3,373	3,334
Indirect Defense Purchases Resulting from Direct Purchases	2,373	2,399	1,991	1,751	1,689	1,655	1,636
Induced Defense Purchases Resulting from Direct Pay	856	845	846	907	1,019	1,022	1,014
Total Nondefense Expenditures	154,293	160,368	166,259	171,972	176,903	181,523	186,471
Total Output	162,052	168,162	173,152	178,444	183,050	187,594	192,477
General government industry	1,845	1,822	1,830	1,931	1,625	1,638	1,632
<b>LARGEST PURCHASES BY INDUSTRIAL SECTORS</b>							
<b>Total Direct Expenditures (Purchases and Pay)</b>							
General government industry	1,845	1,822	1,830	1,931	1,625	1,638	1,632
Professional, scientific and technical services	898	930	819	749	718	688	671
New construction	268	269	217	177	165	155	151
Maintenance and repair construction	208	211	151	116	113	111	110
Administrative and support services	178	184	125	92	90	89	88
<b>Indirect Defense Purchases Resulting from Direct Purchases</b>							
Administrative and support services	364	370	302	263	254	250	247
Professional, scientific and technical services	361	370	316	286	272	265	262
Crude oil extraction	312	311	268	226	221	214	212
Petroleum and coal products	135	130	104	89	86	85	84
Semiconductors and other electronic components	134	137	111	98	95	92	89

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*Note: Numbers may not add to totals due to roundings.*

**TABLE III - 33 New York Summary**

(Millions of 2012 dollars)

	2010	2011	2012	2013	2014	2015	2016
<b>AGGREGATE MEASURES</b>							
Total Direct Expenditures (Purchases and Pay)	21,861	22,140	19,142	17,634	16,874	16,711	16,576
Indirect Defense Purchases Resulting from Direct Purchases	22,835	23,042	18,947	16,771	16,155	15,909	15,798
Induced Defense Purchases Resulting from Direct Pay	5,120	5,039	5,087	5,484	6,175	6,198	6,145
Total Nondefense Expenditures	2,044,226	2,118,226	2,193,131	2,264,456	2,325,551	2,384,929	2,450,899
Total Output	2,094,011	2,168,416	2,236,330	2,304,386	2,364,803	2,423,801	2,489,471
General government industry	3,761	3,788	3,771	3,926	3,744	3,755	3,734
<b>LARGEST PURCHASES BY INDUSTRIAL SECTORS</b>							
<b>Total Direct Expenditures (Purchases and Pay)</b>							
General government industry	3,761	3,788	3,771	3,926	3,744	3,755	3,734
Aerospace products and parts	2,697	2,879	2,539	2,366	2,257	2,157	2,092
Professional, scientific and technical services	1,930	2,004	1,757	1,601	1,537	1,477	1,440
Search, detection and navigation equipment	1,324	1,395	1,251	1,141	1,188	1,206	1,239
Communications and audio-video equipment	1,192	1,226	1,113	963	975	1,012	1,017
<b>Indirect Defense Purchases Resulting from Direct Purchases</b>							
Management of companies and enterprises	3,319	3,399	2,841	2,520	2,442	2,402	2,393
Securities, investments, funds and trusts	3,273	3,295	2,722	2,442	2,327	2,303	2,292
Real estate	1,806	1,830	1,501	1,323	1,277	1,256	1,246
Banks, credit cards and finance	1,350	1,379	1,133	1,001	964	951	944
Telecommunications	1,331	1,362	1,103	953	923	913	907

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*Note: Numbers may not add to totals due to roundings.*

**TABLE III - 34 North Carolina Summary**

(Millions of 2012 dollars)

	2010	2011	2012	2013	2014	2015	2016
<b>AGGREGATE MEASURES</b>							
Total Direct Expenditures (Purchases and Pay)	16,561	16,722	15,062	14,297	13,413	13,297	13,180
Indirect Defense Purchases Resulting from Direct Purchases	9,975	10,079	8,237	7,248	6,973	6,854	6,796
Induced Defense Purchases Resulting from Direct Pay	5,057	4,986	4,997	5,360	6,026	6,049	6,002
Total Nondefense Expenditures	778,809	807,035	834,532	861,204	883,392	904,182	928,204
Total Output	810,702	839,123	863,051	888,306	909,983	930,560	954,360
General government industry	9,340	9,543	9,431	9,643	8,910	8,902	8,840
<b>LARGEST PURCHASES BY INDUSTRIAL SECTORS</b>							
<b>Total Direct Expenditures (Purchases and Pay)</b>							
General government industry	9,340	9,543	9,431	9,643	8,910	8,902	8,840
New construction	942	943	762	624	578	543	527
Maintenance and repair construction	796	806	578	447	433	425	420
Truck transportation	783	633	477	397	393	389	387
Professional, scientific and technical services	592	620	518	458	443	430	421
<b>Indirect Defense Purchases Resulting from Direct Purchases</b>							
Management of companies and enterprises	931	953	797	707	685	673	671
Administrative and support services	811	825	667	578	558	551	545
Banks, credit cards and finance	735	751	617	545	525	518	514
Other chemicals	511	523	427	372	353	343	341
Fabricated metal products	507	498	408	357	339	334	333

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*Note: Numbers may not add to totals due to roundings.*

**TABLE III - 35 North Dakota Summary**

(Millions of 2012 dollars)

	2010	2011	2012	2013	2014	2015	2016
<b>AGGREGATE MEASURES</b>							
Total Direct Expenditures (Purchases and Pay)	1,335	1,332	1,190	1,125	1,115	1,105	1,096
Indirect Defense Purchases Resulting from Direct Purchases	586	588	482	425	409	403	399
Induced Defense Purchases Resulting from Direct Pay	328	323	324	347	390	391	388
Total Nondefense Expenditures	52,996	55,125	57,095	58,978	60,507	62,075	63,796
Total Output	55,267	57,391	59,106	60,890	62,434	63,988	65,692
General government industry	704	719	711	731	735	735	730
<b>LARGEST PURCHASES BY INDUSTRIAL SECTORS</b>							
<b>Total Direct Expenditures (Purchases and Pay)</b>							
General government industry	704	719	711	731	735	735	730
New construction	120	120	97	80	74	69	67
Truck transportation	101	82	62	51	51	50	50
Maintenance and repair construction	83	85	60	46	45	44	44
Telecommunications	47	48	39	32	32	32	31
<b>Indirect Defense Purchases Resulting from Direct Purchases</b>							
Wholesale trade	50	50	42	37	35	35	34
Administrative and support services	32	33	26	23	22	22	22
Management of companies and enterprices	25	26	22	19	19	18	18
Truck transportation	25	24	19	17	16	16	16
Banks, credit cards and finance	24	25	20	18	17	17	17

*Note: Numbers may not add to totals due to roundings.*

**TABLE III - 36 Ohio Summary**

(Millions of 2012 dollars)

	2010	2011	2012	2013	2014	2015	2016
<b>AGGREGATE MEASURES</b>							
Total Direct Expenditures (Purchases and Pay)	14,996	14,797	12,930	12,110	11,340	11,207	11,101
Indirect Defense Purchases Resulting from Direct Purchases	15,390	15,277	12,525	11,032	10,599	10,398	10,325
Induced Defense Purchases Resulting from Direct Pay	3,097	3,057	3,064	3,286	3,690	3,700	3,666
Total Nondefense Expenditures	1,076,155	1,116,449	1,155,009	1,190,951	1,220,696	1,249,114	1,282,264
Total Output	1,109,821	1,149,813	1,183,668	1,217,534	1,246,413	1,274,513	1,307,453
General government industry	3,536	3,319	3,424	3,815	3,285	3,353	3,355
<b>LARGEST PURCHASES BY INDUSTRIAL SECTORS</b>							
<b>Total Direct Expenditures (Purchases and Pay)</b>							
General government industry	3,536	3,319	3,424	3,815	3,285	3,353	3,355
Professional, scientific and technical services	2,232	2,352	2,048	1,865	1,816	1,761	1,722
Aerospace products and parts	1,319	1,416	1,253	1,169	1,121	1,073	1,042
Truck transportation	1,270	1,026	774	644	638	632	628
New construction	606	605	491	404	373	349	338
<b>Indirect Defense Purchases Resulting from Direct Purchases</b>							
Management of companies and enterprises	1,552	1,589	1,328	1,178	1,142	1,123	1,119
Fabricated metal products	1,539	1,512	1,238	1,084	1,029	1,013	1,012
Professional, scientific and technical services	898	936	791	711	687	678	672
Iron and steel	731	708	574	508	473	462	459
Wholesale trade	697	702	581	513	492	484	482

*Note: Numbers may not add to totals due to roundings.*

**TABLE III - 37 Oklahoma Summary**

(Millions of 2012 dollars)

	2010	2011	2012	2013	2014	2015	2016
<b>AGGREGATE MEASURES</b>							
Total Direct Expenditures (Purchases and Pay)	7,743	7,728	6,928	6,704	6,412	6,408	6,372
Indirect Defense Purchases Resulting from Direct Purchases	4,002	4,025	3,299	2,881	2,778	2,731	2,707
Induced Defense Purchases Resulting from Direct Pay	1,783	1,758	1,763	1,890	2,125	2,134	2,117
Total Nondefense Expenditures	311,635	322,861	333,493	344,071	352,629	361,327	370,583
Total Output	325,219	336,424	345,530	355,593	363,988	372,643	381,824
General government industry	3,863	3,764	3,812	4,108	3,869	3,911	3,900
<b>LARGEST PURCHASES BY INDUSTRIAL SECTORS</b>							
<b>Total Direct Expenditures (Purchases and Pay)</b>							
General government industry	3,863	3,764	3,812	4,108	3,869	3,911	3,900
New construction	456	462	362	292	275	262	256
Maintenance and repair construction	424	434	310	238	232	229	227
Aerospace products and parts	397	461	378	341	353	350	348
Truck transportation	349	282	213	177	175	174	173
<b>Indirect Defense Purchases Resulting from Direct Purchases</b>							
Administrative and support services	506	515	417	362	350	345	341
Crude oil extraction	464	463	400	337	328	319	315
Fabricated metal products	254	249	204	179	170	167	167
Management of companies and enterprices	210	215	179	159	154	152	151
Petroleum and coal products	165	159	128	109	106	103	102

*Note: Numbers may not add to totals due to roundings.*

**TABLE III - 38 Oregon Summary**

(Millions of 2012 dollars)

	2010	2011	2012	2013	2014	2015	2016
<b>AGGREGATE MEASURES</b>							
Total Direct Expenditures (Purchases and Pay)	3,729	3,457	2,943	2,634	2,166	2,115	2,107
Indirect Defense Purchases Resulting from Direct Purchases	3,892	3,909	3,200	2,820	2,718	2,663	2,636
Induced Defense Purchases Resulting from Direct Pay	789	781	783	840	943	944	935
Total Nondefense Expenditures	295,827	309,004	320,874	332,088	341,731	350,515	360,669
Total Output	304,288	317,199	327,824	338,392	347,571	356,248	366,356
General government industry	819	792	802	848	457	466	465
<b>LARGEST PURCHASES BY INDUSTRIAL SECTORS</b>							
<b>Total Direct Expenditures (Purchases and Pay)</b>							
General government industry	819	792	802	848	457	466	465
Truck transportation	331	267	201	168	166	164	163
Motor vehicles	321	178	136	81	77	64	78
Communications and audio-video equipment	292	297	277	256	239	227	218
New construction	240	240	194	159	147	138	134
<b>Indirect Defense Purchases Resulting from Direct Purchases</b>							
Semiconductors and other electronic components	395	401	327	288	278	270	262
Management of companies and enterprises	325	333	278	247	239	235	234
Wholesale trade	242	244	202	178	171	168	168
Real estate	216	219	179	158	153	150	149
Wood products	211	203	161	134	127	120	118

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*Note: Numbers may not add to totals due to roundings.*

**TABLE III - 39 Pennsylvania Summary**

(Millions of 2012 dollars)

	2010	2011	2012	2013	2014	2015	2016
<b>AGGREGATE MEASURES</b>							
Total Direct Expenditures (Purchases and Pay)	19,873	19,440	16,423	15,003	13,799	13,743	13,800
Indirect Defense Purchases Resulting from Direct Purchases	15,625	15,758	12,888	11,316	10,882	10,689	10,609
Induced Defense Purchases Resulting from Direct Pay	3,122	3,076	3,087	3,313	3,725	3,737	3,706
Total Nondefense Expenditures	1,176,826	1,219,353	1,260,356	1,300,473	1,334,782	1,366,849	1,403,376
Total Output	1,215,354	1,257,433	1,292,618	1,329,912	1,363,119	1,394,923	1,431,382
General government industry	3,348	3,102	3,221	3,623	2,964	3,037	3,043
<b>LARGEST PURCHASES BY INDUSTRIAL SECTORS</b>							
<b>Total Direct Expenditures (Purchases and Pay)</b>							
General government industry	3,348	3,102	3,221	3,623	2,964	3,037	3,043
Professional, scientific and technical services	2,512	2,634	2,179	1,921	1,859	1,808	1,775
Aerospace products and parts	1,604	1,865	1,539	1,422	1,469	1,455	1,445
Other transportation equipment	1,432	842	734	452	371	369	505
Truck transportation	1,222	987	745	620	614	608	604
<b>Indirect Defense Purchases Resulting from Direct Purchases</b>							
Management of companies and enterprises	1,070	1,096	916	812	787	774	771
Insurance	1,035	1,115	915	774	748	742	740
Professional, scientific and technical services	1,010	1,048	841	732	704	696	693
Fabricated metal products	988	970	795	696	660	650	650
Petroleum and coal products	822	794	637	543	527	516	510

Note: Numbers may not add to totals due to roundings.

**TABLE III - 40 Rhode Island Summary**

(Millions of 2012 dollars)

	2010	2011	2012	2013	2014	2015	2016
<b>AGGREGATE MEASURES</b>							
Total Direct Expenditures (Purchases and Pay)	1,874	1,858	1,607	1,541	1,457	1,461	1,456
Indirect Defense Purchases Resulting from Direct Purchases	1,284	1,293	1,046	913	879	866	860
Induced Defense Purchases Resulting from Direct Pay	386	380	381	409	460	462	458
Total Nondefense Expenditures	107,254	110,756	114,237	117,719	120,533	123,146	126,155
Total Output	110,812	114,302	117,282	120,593	123,338	125,945	128,939
General government industry	657	607	632	718	652	667	668
<b>LARGEST PURCHASES BY INDUSTRIAL SECTORS</b>							
<b>Total Direct Expenditures (Purchases and Pay)</b>							
General government industry	657	607	632	718	652	667	668
Professional, scientific and technical services	430	453	339	278	270	267	265
Aerospace products and parts	123	145	118	110	115	115	114
New construction	104	104	83	68	63	60	58
Maintenance and repair construction	89	90	65	50	49	48	47
<b>Indirect Defense Purchases Resulting from Direct Purchases</b>							
Professional, scientific and technical services	173	180	131	106	102	103	103
Banks, credit cards and finance	108	110	91	80	77	76	75
Management of companies and enterprises	106	108	90	80	78	76	76
Fabricated metal products	90	88	72	63	60	59	59
Real estate	72	72	59	52	51	50	49

Note: Numbers may not add to totals due to roundings.

**TABLE III - 41 South Carolina Summary**

(Millions of 2012 dollars)

	2010	2011	2012	2013	2014	2015	2016
<b>AGGREGATE MEASURES</b>							
Total Direct Expenditures (Purchases and Pay)	10,269	10,180	8,704	7,914	6,913	6,869	6,886
Indirect Defense Purchases Resulting from Direct Purchases	5,467	5,491	4,396	3,814	3,668	3,614	3,590
Induced Defense Purchases Resulting from Direct Pay	1,733	1,711	1,715	1,840	2,069	2,078	2,063
Total Nondefense Expenditures	298,994	309,929	321,665	332,674	341,573	349,174	358,118
Total Output	316,555	327,393	336,546	346,290	354,280	361,790	370,709
General government industry	3,512	3,517	3,505	3,624	2,777	2,788	2,773
<b>LARGEST PURCHASES BY INDUSTRIAL SECTORS</b>							
<b>Total Direct Expenditures (Purchases and Pay)</b>							
General government industry	3,512	3,517	3,505	3,624	2,777	2,788	2,773
Professional, scientific and technical services	1,591	1,679	1,250	1,024	995	985	978
Other repair and maintenance, personal services	528	564	446	383	374	374	374
Other transportation equipment	477	277	242	149	121	121	167
New construction	476	481	378	305	286	272	266
<b>Indirect Defense Purchases Resulting from Direct Purchases</b>							
Professional, scientific and technical services	640	668	483	391	377	379	382
Other repair and maintenance, personal services	606	607	482	410	397	394	391
Administrative and support services	403	410	332	288	278	274	271
Fabricated metal products	368	361	296	259	246	242	242
Plastic products	249	257	211	189	178	176	175

Note: Numbers may not add to totals due to roundings.

**TABLE III - 42 South Dakota Summary**

(Millions of 2012 dollars)

	2010	2011	2012	2013	2014	2015	2016
<b>AGGREGATE MEASURES</b>							
Total Direct Expenditures (Purchases and Pay)	1,370	1,419	1,256	1,195	1,085	1,082	1,077
Indirect Defense Purchases Resulting from Direct Purchases	656	664	545	483	465	458	454
Induced Defense Purchases Resulting from Direct Pay	291	287	288	309	347	348	345
Total Nondefense Expenditures	64,077	66,477	68,753	70,965	72,941	74,774	76,828
Total Output	66,407	68,858	70,852	72,960	74,845	76,669	78,712
General government industry	481	486	483	496	408	408	406
<b>LARGEST PURCHASES BY INDUSTRIAL SECTORS</b>							
<b>Total Direct Expenditures (Purchases and Pay)</b>							
General government industry	481	486	483	496	408	408	406
Dairy products, meat and seafood	307	358	319	316	303	307	310
Truck transportation	108	87	66	55	54	54	53
New construction	69	69	55	45	42	39	38
Maintenance and repair construction	52	52	38	29	28	28	27
<b>Indirect Defense Purchases Resulting from Direct Purchases</b>							
Banks, credit cards and finance	126	128	105	93	90	89	88
Wholesale trade	44	44	36	32	31	30	30
Animal production	30	33	29	28	27	27	27
Administrative and support services	30	30	25	21	21	20	20
Management of companies and enterprises	29	30	25	22	22	21	21

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*Note: Numbers may not add to totals due to roundings.*

**TABLE III - 43 Tennessee Summary**

(Millions of 2012 dollars)

	2010	2011	2012	2013	2014	2015	2016
<b>AGGREGATE MEASURES</b>							
Total Direct Expenditures (Purchases and Pay)	8,067	7,853	6,709	6,090	5,028	4,930	4,868
Indirect Defense Purchases Resulting from Direct Purchases	6,655	6,598	5,401	4,759	4,572	4,485	4,449
Induced Defense Purchases Resulting from Direct Pay	1,667	1,647	1,652	1,773	1,991	1,997	1,979
Total Nondefense Expenditures	503,066	522,431	540,957	558,463	573,837	587,788	603,829
Total Output	519,527	538,605	554,766	571,126	585,457	599,229	615,156
General government industry	1,802	1,745	1,765	1,857	925	942	942
<b>LARGEST PURCHASES BY INDUSTRIAL SECTORS</b>							
<b>Total Direct Expenditures (Purchases and Pay)</b>							
General government industry	1,802	1,745	1,765	1,857	925	942	942
Air transportation	1,147	1,188	940	804	785	781	778
Professional, scientific and technical services	1,022	1,050	941	868	826	788	766
Truck transportation	1,020	824	621	517	512	507	504
New construction	568	576	486	418	388	355	337
<b>Indirect Defense Purchases Resulting from Direct Purchases</b>							
Fabricated metal products	560	550	450	394	374	368	368
Transportation support, sightseeing, couriers	466	431	343	296	290	287	285
Professional, scientific and technical services	411	418	363	331	313	303	299
Wholesale trade	397	400	331	292	280	276	275
Management of companies and enterprises	314	321	269	238	231	227	226

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*Note: Numbers may not add to totals due to roundings.*

**TABLE III - 44 Texas Summary**

(Millions of 2012 dollars)

	2010	2011	2012	2013	2014	2015	2016
<b>AGGREGATE MEASURES</b>							
Total Direct Expenditures (Purchases and Pay)	65,469	66,497	57,816	53,217	50,366	49,551	49,185
Indirect Defense Purchases Resulting from Direct Purchases	39,329	39,534	32,537	28,568	27,574	27,098	26,887
Induced Defense Purchases Resulting from Direct Pay	9,981	9,822	9,841	10,546	11,847	11,881	11,778
Total Nondefense Expenditures	2,308,635	2,400,932	2,488,368	2,572,041	2,643,761	2,712,961	2,789,140
Total Output	2,423,761	2,517,169	2,588,871	2,664,677	2,733,799	2,801,747	2,877,249
General government industry	17,870	18,081	17,947	18,486	16,161	16,183	16,084
<b>LARGEST PURCHASES BY INDUSTRIAL SECTORS</b>							
<b>Total Direct Expenditures (Purchases and Pay)</b>							
General government industry	17,870	18,081	17,947	18,486	16,161	16,183	16,084
Aerospace products and parts	16,093	18,092	15,350	14,197	14,222	13,893	13,678
Professional, scientific and technical services	4,888	5,139	4,485	4,085	3,970	3,846	3,758
New construction	2,935	2,945	2,364	1,930	1,794	1,690	1,642
Motor vehicles	2,426	1,370	1,042	623	597	493	602
<b>Indirect Defense Purchases Resulting from Direct Purchases</b>							
Petroleum and coal products	4,633	4,474	3,589	3,063	2,969	2,907	2,876
Legal services	3,593	3,688	3,054	2,711	2,617	2,578	2,560
Crude oil extraction	3,132	3,124	2,696	2,274	2,215	2,154	2,127
Administrative and support services	2,778	2,831	2,351	2,111	2,047	2,022	2,016
Professional, scientific and technical services	1,966	2,045	1,731	1,558	1,502	1,480	1,467

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*Note: Numbers may not add to totals due to roundings.*

**TABLE III - 45 Utah Summary**

(Millions of 2012 dollars)

	2010	2011	2012	2013	2014	2015	2016
<b>AGGREGATE MEASURES</b>							
Total Direct Expenditures (Purchases and Pay)	5,829	5,836	5,205	4,996	4,851	4,843	4,801
Indirect Defense Purchases Resulting from Direct Purchases	3,180	3,262	2,707	2,426	2,366	2,338	2,320
Induced Defense Purchases Resulting from Direct Pay	1,014	1,000	1,003	1,075	1,209	1,214	1,204
Total Nondefense Expenditures	224,789	232,481	240,110	247,616	253,317	258,702	264,918
Total Output	234,865	242,637	249,062	256,152	261,769	267,123	273,271
General government industry	1,894	1,773	1,834	2,060	1,945	1,984	1,984
<b>LARGEST PURCHASES BY INDUSTRIAL SECTORS</b>							
<b>Total Direct Expenditures (Purchases and Pay)</b>							
General government industry	1,894	1,773	1,834	2,060	1,945	1,984	1,984
Professional, scientific and technical services	1,484	1,628	1,434	1,322	1,334	1,320	1,295
New construction	353	351	290	240	221	206	199
Truck transportation	292	236	178	148	147	145	144
Air transportation	228	217	175	155	152	152	151
<b>Indirect Defense Purchases Resulting from Direct Purchases</b>							
Professional, scientific and technical services	597	648	554	504	505	508	506
Information and data processing	202	224	188	187	189	189	187
Management of companies and enterprises	196	201	168	149	144	142	141
Banks, credit cards and finance	157	160	132	116	112	111	110
Administrative and support services	129	131	106	93	89	88	88

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*Note: Numbers may not add to totals due to roundings.*

**TABLE III - 46 Vermont Summary**

(Millions of 2012 dollars)

	2010	2011	2012	2013	2014	2015	2016
<b>AGGREGATE MEASURES</b>							
Total Direct Expenditures (Purchases and Pay)	1,027	1,065	887	797	731	717	705
Indirect Defense Purchases Resulting from Direct Purchases	462	464	381	337	324	318	315
Induced Defense Purchases Resulting from Direct Pay	140	138	139	149	168	168	167
Total Nondefense Expenditures	46,276	48,024	49,807	51,506	52,931	54,235	55,708
Total Output	47,911	49,698	51,219	52,794	54,157	55,443	56,899
General government industry	169	167	168	175	120	121	121
<b>LARGEST PURCHASES BY INDUSTRIAL SECTORS</b>							
<b>Total Direct Expenditures (Purchases and Pay)</b>							
Fabricated metal products	352	381	297	250	241	234	227
General government industry	169	167	168	175	120	121	121
Aerospace products and parts	101	120	98	91	95	95	94
Truck transportation	47	38	29	24	24	23	23
Professional, scientific and technical services	45	46	42	39	37	35	34
<b>Indirect Defense Purchases Resulting from Direct Purchases</b>							
Fabricated metal products	37	36	30	26	25	24	24
Real estate	31	32	26	23	22	22	22
Wholesale trade	31	32	26	23	22	22	22
Semiconductors and other electronic components	24	24	20	18	17	16	16
Telecommunications	21	22	18	15	15	15	15

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*Note: Numbers may not add to totals due to roundings.*

**TABLE III - 47 Virginia Summary**

(Millions of 2012 dollars)

	2010	2011	2012	2013	2014	2015	2016
<b>AGGREGATE MEASURES</b>							
Total Direct Expenditures (Purchases and Pay)	76,827	79,747	68,156	64,320	59,134	59,296	59,067
Indirect Defense Purchases Resulting from Direct Purchases	23,786	24,483	19,712	17,198	16,619	16,430	16,337
Induced Defense Purchases Resulting from Direct Pay	7,908	7,795	7,811	8,377	9,420	9,460	9,393
Total Nondefense Expenditures	972,694	1,002,246	1,045,469	1,083,656	1,108,622	1,129,389	1,154,163
Total Output	1,081,497	1,114,582	1,141,392	1,173,769	1,194,010	1,214,788	1,239,169
General government industry	18,433	17,804	18,099	19,593	17,141	17,372	17,339
<b>LARGEST PURCHASES BY INDUSTRIAL SECTORS</b>							
<b>Total Direct Expenditures (Purchases and Pay)</b>							
Professional, scientific and technical services	20,152	21,297	17,062	14,744	14,382	14,111	13,908
General government industry	18,433	17,804	18,099	19,593	17,141	17,372	17,339
Computer systems design and related services	6,589	7,012	5,445	4,624	4,505	4,500	4,491
Telecommunications	5,020	5,176	4,133	3,441	3,363	3,357	3,347
Ship and boat building	3,934	5,159	4,746	5,911	4,156	4,676	4,851
<b>Indirect Defense Purchases Resulting from Direct Purchases</b>							
Professional, scientific and technical services	8,106	8,476	6,586	5,622	5,443	5,432	5,430
Administrative and support services	2,349	2,390	1,955	1,717	1,656	1,633	1,615
Computer systems design and related services	2,248	2,348	1,897	1,661	1,599	1,575	1,564
Information and data processing	1,222	1,262	1,048	934	891	879	874
Other repair and maintenance, personal services	985	976	852	768	738	719	708

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*Note: Numbers may not add to totals due to roundings.*

**TABLE III - 48 Washington Summary**

(Millions of 2012 dollars)

	2010	2011	2012	2013	2014	2015	2016
<b>AGGREGATE MEASURES</b>							
Total Direct Expenditures (Purchases and Pay)	16,131	16,330	14,729	14,253	13,279	13,205	13,108
Indirect Defense Purchases Resulting from Direct Purchases	7,532	7,636	6,317	5,597	5,413	5,317	5,278
Induced Defense Purchases Resulting from Direct Pay	3,576	3,525	3,535	3,792	4,263	4,279	4,245
Total Nondefense Expenditures	611,929	635,999	660,001	681,703	699,673	716,148	734,733
Total Output	639,559	663,922	684,836	705,576	722,786	739,102	757,522
General government industry	7,548	7,526	7,529	7,895	7,143	7,181	7,147
<b>LARGEST PURCHASES BY INDUSTRIAL SECTORS</b>							
<b>Total Direct Expenditures (Purchases and Pay)</b>							
General government industry	7,548	7,526	7,529	7,895	7,143	7,181	7,147
Aerospace products and parts	1,667	1,906	1,599	1,484	1,509	1,484	1,468
Professional, scientific and technical services	1,141	1,171	1,037	949	902	860	837
New construction	796	794	651	536	495	462	447
Water transportation	565	468	362	309	305	303	302
<b>Indirect Defense Purchases Resulting from Direct Purchases</b>							
Aerospace products and parts	708	775	697	660	661	642	641
Administrative and support services	523	532	431	374	361	357	353
Professional, scientific and technical services	459	466	400	362	341	331	327
Management of companies and enterprises	459	470	393	349	338	332	331
Petroleum and coal products	455	440	353	301	292	286	283

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*Note: Numbers may not add to totals due to roundings.*

**TABLE III - 49 West Virginia Summary**

(Millions of 2012 dollars)

	2010	2011	2012	2013	2014	2015	2016
<b>AGGREGATE MEASURES</b>							
Total Direct Expenditures (Purchases and Pay)	1,455	1,407	1,203	1,096	912	900	891
Indirect Defense Purchases Resulting from Direct Purchases	1,483	1,478	1,201	1,047	1,007	984	973
Induced Defense Purchases Resulting from Direct Pay	307	303	304	326	366	368	365
Total Nondefense Expenditures	112,134	116,357	120,093	123,814	127,236	130,454	134,052
Total Output	115,400	119,568	122,815	126,298	129,531	132,716	136,291
General government industry	416	403	408	432	269	273	273
<b>LARGEST PURCHASES BY INDUSTRIAL SECTORS</b>							
<b>Total Direct Expenditures (Purchases and Pay)</b>							
General government industry	416	403	408	432	269	273	273
New construction	144	145	117	95	89	83	81
Truck transportation	144	117	88	73	72	72	71
Maintenance and repair construction	99	100	72	56	54	53	52
Professional, scientific and technical services	99	103	87	78	75	72	71
<b>Indirect Defense Purchases Resulting from Direct Purchases</b>							
Nonmetallic mineral mining	115	120	96	81	79	76	75
Coal mining	99	100	80	67	65	64	63
Fabricated metal products	73	71	58	51	49	48	48
Other chemicals	69	70	58	50	48	46	46
Iron and steel	68	66	53	47	44	43	43

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*Note: Numbers may not add to totals due to roundings.*

**TABLE III - 50 Wisconsin Summary**

(Millions of 2012 dollars)

	2010	2011	2012	2013	2014	2015	2016
<b>AGGREGATE MEASURES</b>							
Total Direct Expenditures (Purchases and Pay)	12,102	10,498	8,796	7,600	7,320	7,235	7,432
Indirect Defense Purchases Resulting from Direct Purchases	7,171	7,235	5,950	5,259	5,046	4,954	4,910
Induced Defense Purchases Resulting from Direct Pay	1,051	1,037	1,041	1,118	1,255	1,259	1,247
Total Nondefense Expenditures	468,909	488,363	506,068	523,522	537,938	551,477	566,726
Total Output	489,316	507,204	521,886	537,530	551,583	564,944	580,331
General government industry	704	693	696	725	437	442	440
<b>LARGEST PURCHASES BY INDUSTRIAL SECTORS</b>							
<b>Total Direct Expenditures (Purchases and Pay)</b>							
Engine, turbine and power transmission equipment	3,760	3,680	3,210	3,085	3,285	3,350	3,376
Motor vehicles	2,368	1,339	1,027	625	598	493	597
Other transportation equipment	947	550	480	295	241	241	332
Truck transportation	828	669	505	420	416	412	409
General government industry	704	693	696	725	437	442	440
<b>Indirect Defense Purchases Resulting from Direct Purchases</b>							
Fabricated metal products	853	838	687	601	571	562	561
Management of companies and enterprises	594	608	508	451	437	430	428
Insurance	572	616	505	427	413	410	409
Real estate	418	429	351	308	300	298	296
Paper	357	363	298	261	252	247	245

Note: Numbers may not add to totals due to roundings.

**TABLE III - 51 Wyoming Summary**

(Millions of 2012 dollars)

	2010	2011	2012	2013	2014	2015	2016
<b>AGGREGATE MEASURES</b>							
Total Direct Expenditures (Purchases and Pay)	1,000	973	847	787	725	718	712
Indirect Defense Purchases Resulting from Direct Purchases	859	860	705	609	589	575	568
Induced Defense Purchases Resulting from Direct Pay	204	201	202	216	243	244	242
Total Nondefense Expenditures	58,164	60,747	62,849	65,004	66,998	69,213	71,354
Total Output	60,237	62,790	64,610	66,623	68,561	70,757	72,882
General government industry	426	432	429	441	387	388	385
<b>LARGEST PURCHASES BY INDUSTRIAL SECTORS</b>							
<b>Total Direct Expenditures (Purchases and Pay)</b>							
General government industry	426	432	429	441	387	388	385
Rail transportation	97	79	60	50	50	49	49
New construction	85	85	68	55	51	49	47
Truck transportation	85	68	52	43	43	42	42
Maintenance and repair construction	47	47	34	27	26	25	25
<b>Indirect Defense Purchases Resulting from Direct Purchases</b>							
Crude oil extraction	187	186	161	135	132	128	127
Nonmetallic mineral mining	80	84	67	57	55	53	52
Coal mining	69	69	55	47	45	44	44
Rail transportation	51	50	40	34	33	32	32
Petroleum and coal products	46	44	35	30	29	29	28

Note: Numbers may not add to totals due to roundings.

**TABLE III - 52 Entire United States Summary**

(Millions of 2012 dollars)

	2010	2011	2012	2013	2014	2015	2016
<b>AGGREGATE MEASURES</b>							
Total Direct Expenditures (Purchases and Pay)	709,453	718,661	623,028	579,453	540,387	535,859	532,636
Indirect Defense Purchases Resulting from Direct Purchases	410,160	413,132	339,546	299,291	288,167	283,289	281,171
Induced Defense Purchases Resulting from Direct Pay	111,296	109,726	110,107	118,155	132,802	133,243	132,134
Total Nondefense Expenditures	28,089,534	29,139,466	30,197,727	31,197,433	32,020,946	32,793,983	33,668,044
Total Output	29,320,444	30,380,984	31,270,409	32,194,331	32,982,302	33,746,374	34,613,985
General government industry	180,210	178,058	178,880	188,967	163,933	165,194	164,554
<b>LARGEST PURCHASES BY INDUSTRIAL SECTORS</b>							
<b>Total Direct Expenditures (Purchases and Pay)</b>							
General government industry	180,210	178,058	178,880	188,967	163,933	165,194	164,554
Professional, scientific and technical services	111,745	117,086	100,072	90,036	87,185	84,468	82,643
Aerospace products and parts	61,409	69,983	58,623	53,973	54,789	53,837	53,212
New construction	32,036	32,140	25,860	21,147	19,654	18,487	17,952
Truck transportation	25,635	20,720	15,627	12,999	12,877	12,747	12,667
<b>Indirect Defense Purchases Resulting from Direct Purchases</b>							
Professional, scientific and technical services	44,946	46,601	38,626	34,331	32,992	32,513	32,265
Management of companies and enterprises	27,991	28,671	23,963	21,258	20,594	20,258	20,183
Administrative and support services	25,421	25,879	21,340	18,957	18,319	18,054	17,902
Wholesale trade	18,875	19,009	15,740	13,880	13,316	13,112	13,056
Real estate	18,646	18,922	15,512	13,664	13,208	13,006	12,900

Note: Numbers may not add to totals due to roundings.



## **APPENDIX A**

### **MAPPING FROM INDUSTRIES TO INDUSTRIAL SECTORS, WITH NAICS CODES**

## *Mapping From Industries to Industrial Sectors, with NAICS Codes*

Ind #	National	NAICS Classification	Sec #	State Level
	Industry Title	Classification Code(s)		Industrial Sector Title
1	Oilseed farming	111111-2	1	Crop Production
2	Grain farming	11113-6, 11119	1	
3	Vegetable and melon farming	1112	1	
4	Fruit and nut farming	11131-2,111331-6, 111339	1	
5	Greenhouse, nursery, and floriculture production	1114	1	
6	Tobacco farming	11191	1	
7	Cotton farming	11192	1	
8	Sugarcane and sugar beet farming	11193, 111991	1	
9	All other crop farming	11194, 111992, 111998	1	
10	Cattle ranching and dairy farming	11211, 11212, 11213	2	Animal Production
11	Poultry and egg production	1123	2	
12	Animal production, except cattle and poultry and eggs	1122, 1124-5, 1129	2	
13	Forestry and logging	1131-3	3	Forestry, fishing and agriculture support activities
14	Fishing, hunting and trapping	1141-2	3	
15	Support activities for agriculture and forestry	115	3	
16	Crude oil extraction	211pt	4	Crude oil extraction
17	Natural gas extraction	211pt	5	Natural gas extraction
18	Coal mining	2121	6	Coal Mining
19	Iron ore mining	21221	7	Metal Ore Mining
20	Copper, nickel, lead, and zinc mining	21223	7	
21	Gold, silver, and other metal ore mining	21222, 21229	7	
22	Stone mining and quarrying	21231	8	Nonmetallic mineral mining
23	Sand, gravel, clay, and ceramic and refractory minerals mining and quarrying	21232	8	
24	Other nonmetallic mineral mining and quarrying	21239	8	
25	Drilling oil and gas wells	213111	9	Support activities for mining
26	Support activities for oil and gas operations	213112	9	
27	Support activities for other mining	213113-5	9	
28	Electric power generation, transmission, and distribution	2211	10	Electric utilities
29	Natural gas distribution	2212	11	Natural gas distribution
30	Water, sewage and other systems	2213	12	Water, sewage and other systems
31	New residential construction	23*	13	New construction
32	New non-residential building construction	23*	13	
33	Highway, street, bridge, tunnel, water, sewer, pipeline and other construction	23*	13	
34	Maintenance and repair of residential structures	23*	14	Maintenance and repair construction
35	Maintenance and repair of nonresidential buildings, infrastructure and other	23*	14	
36	Dog and cat food	311111	16	Other foods
37	Other animal food	311119	16	
38	Flour milling and malt	31121	16	
39	Wet corn milling	311221	16	
40	Soybean and other oilseed processing	311222-3	16	
41	Fats and oils refining and blending	311225	16	
42	Breakfast cereals	311230	16	
43	Sugar manufacturing	311311-3	16	
44	Chocolate	31132, 31133	16	
45	Nonchocolate confectionery	31134	16	
46	Frozen food manufacturing	31141	16	
47	Fruit and vegetable canning, pickling, and drying	31142	16	
48	Fluid milk and butter	311511-2	15	Dairy products, meat and seafood
49	Cheese	311513	15	
50	Dry, condensed, and evaporated dairy product manufacturing	311514	15	
51	Ice cream and frozen desserts	311520	15	

## *Mapping From Industries to Industrial Sectors, with NAICS Codes*

Ind #	Industry Title	Classification Code(s)	Sec #	Industrial Sector Title
52	Animal (except poultry) slaughtering, rendering, and processing	311611-3	15	
53	Poultry processing	311615	15	
54	Seafood product preparation and packaging	3117	15	
55	Bread and bakery products	31181	16	Other foods
56	Cookies, crackers and tortillas	31182, 31183	16	
57	Snack foods	31191	16	
58	Coffee and tea	31192	16	
59	Flavoring syrup and concentrate	31193	16	
60	Seasonings and dressings	31194	16	
61	All other food	31199	16	
62	Soft drinks and ice	31211	17	Beverages
63	Breweries	31212	17	
64	Wineries	31213	17	
65	Distilleries	31214	17	
66	Tobacco product manufacturing	3122	18	Tobacco
67	Fiber, yarn, and thread mills	3131	19	Textiles and textile products
68	Fabric mills	3132	19	
69	Textile and fabric finishing mills	3133	19	
70	Carpet and rug mills	31411	19	
71	Curtain and linen mills	31412	19	
72	Other textile products	31491, 31499	19	
73	Apparel knitting mills	31511, 31519	20	Apparel
74	Cut and sew apparel	3152	20	
75	Apparel accessories and other apparel	3159	20	
76	Footwear and other leather products	3161	21	Leather products
77	Sawmills and wood preservation	3211	22	Wood products
78	Veneer, plywood, particleboard, and engineered wood products	3212	22	
79	Wood windows and doors and millwork	32191	22	
80	Wood containers and pallets	32192	22	
81	Manufactured homes (mobile homes)	321991	22	
82	Prefabricated wood buildings	321992	22	
83	All other miscellaneous wood products	321999	22	
84	Pulp mills	32211	23	Paper
85	Paper and paperboard mills	32212, 32213	23	
86	Paperboard container manufacturing	32221	23	
87	Coated and laminated paper, packaging paper and plastics film	322221-2	23	
88	All other paper bag and coated and treated paper manufacturing	322223-6	23	
89	Stationery product manufacturing	32223	23	
90	Sanitary paper product manufacturing	322291	23	
91	All other converted paper products	322299	23	
92	Printing	32311□	24	Printing
93	Support activities for printing	32312	24	
94	Petroleum refineries	32411	25	Petroleum and coal products
95	Asphalt products	324121, 324122	25	
96	Lubricating and other petroleum products	324191, 324199	25	
97	Petrochemicals	32511	28	Other chemicals
98	Industrial gases	32512	28	
99	Synthetic dyes and pigments	32513	28	
100	Other basic inorganic chemicals	32518	28	
101	Other basic organic chemicals	32519	28	
102	Plastics materials and resins	325211	26	Resin, synthetic rubber and fibers
103	Synthetic rubber	325212	26	

## *Mapping From Industries to Industrial Sectors, with NAICS Codes*

Ind #	Industry Title	Classification Code(s)	Sec #	Industrial Sector Title
104	Artificial and synthetic fibers and filaments	32522	26	
105	Fertilizers	325311-4	28	Other chemicals
106	Pesticides and other agricultural chemicals	325320	28	
107	Pharmaceuticals and medicines	325411-4	27	Pharmaceuticals
108	Paints and coatings	32551	28	Other chemicals
109	Adhesives	32552	28	
110	Soaps and cleaning compounds	32561	28	
111	Toilet preparations	32562	28	
112	Printing ink	32591	28	
113	All other chemical products and preparations	32592, 32599	28	
114	Plastics packaging materials and unlaminated film and sheet	32611	29	Plastic products
115	Plastics pipe, fittings, and profile shapes	32612	29	
116	Laminated plastics plate, sheet (except packaging), and shapes	32613	29	
117	Plastic foam products	32614, 32615	29	
118	Plastic bottles	32616	29	
119	Other plastics products	32619	29	
120	Tires	32621	30	Rubber products
121	Rubber and plastics hoses and beltings	32622	30	
122	Other rubber products	32629	30	
123	Pottery, ceramics, and plumbing fixtures	32711	31	Nonmetallic mineral products
124	Clay building materials and refractories	327122,4,5	31	
125	Glass and glass products, exc containers	327211-2, 327215	31	
126	Glass containers	327213	31	
127	Cement	32731	31	
128	Ready-mix concrete	32732	31	
129	Concrete pipe, brick, and blocks	32733	31	
130	Other concrete products	32739	31	
131	Lime and gypsum products	3274	31	
132	Abrasive products	32791	31	
133	Cut stone and stone products	327991	31	
134	Other non-metallic mineral products	327992,3,9	31	
135	Primary ferrous metal products	3311, 3312	32	Iron and steel
136	Primary aluminum production	331311,2,4	33	Nonferrous metals
137	Aluminum product manufacturing from purchased aluminum	331315, 331316, 331319	33	
138	Primary smelting and refining of copper	331411	33	
139	Primary smelting and refining of nonferrous metal (except copper and aluminum)	331419	33	
140	Copper rolling, drawing, extruding and alloying	33142	33	
141	Nonferrous metal (except copper and aluminum) rolling, drawing, extruding and alloying	33149	33	
142	Ferrous metal foundries	33151	32	Iron and steel
143	Nonferrous metal foundries	33152	33	Nonferrous metals
144	Forging and stamping	33211	34	Fabricated metal products
145	Cutlery, utensils, pots, and pans	332211, 332214	34	
146	Handtools	332212-3	34	
147	Plate work and fabricated structural products	33231	34	
148	Ornamental and architectural metal products	33232	34	
149	Power boilers and heat exchangers	33241	34	
150	Metal tanks (heavy gauge)	33242	34	
151	Metal cans, boxes, and other metal containers (light gauge)	33243	34	
152	Ammunition	332992-3	34	
153	Arms, ordnance, and accessories	332994-5	34	
154	Hardware manufacturing	3325	34	
155	Springs and wire products	3326	34	

## *Mapping From Industries to Industrial Sectors, with NAICS Codes*

Ind #	Industry Title	Classification Code(s)	Sec #	Industrial Sector Title
156	Machine shops	33271	34	
157	Turned products and screws, nuts, and bolts	33272	34	
158	Coating, engraving, heat treating and allied activities	3328	34	
159	Metal valves	33291-3, 332919	34	
160	Ball and roller bearings	332991	34	
161	Fabricated pipe and pipe fittings	332996	34	
162	Other fabricated metal products	332997-9	34	
163	Farm machinery and equipment	333111	35	Agriculture, construction and mining machinery
164	Lawn and garden equipment	333112	35	
165	Construction machinery	33312	35	
166	Mining and oil and gas field machinery	33313	35	
167	Other industrial machinery	33321, 333291-4, 333298	36	Industrial machinery
168	Plastics and rubber industry machinery	33322	36	
169	Semiconductor machinery manufacturing	333295	36	
170	Vending, commercial, industrial, and office machinery	333311-3	37	Commercial and service industry machinery
171	Optical instruments and lenses	333314	37	
172	Photographic and photocopying equipment	333315	37	
173	Other commercial and service industry machinery	333319	38	Ventilation, heating, air-conditioning and ventilation equipment
174	Air purification and ventilation equipment	333411-2	38	
175	Heating equipment (except warm air furnaces)	333414	38	
176	Air conditioning, refrigeration, and warm air heating equipment	333415	38	
177	Industrial molds	333511	39	Metalworking machinery
178	Metal cutting and forming machine tools	333512-3	39	
179	Special tools, dies, jigs, and fixtures	333514	39	
180	Cutting tool and machine tool accessories	333515	39	
181	Rolling mill and other metalworking machinery	333516, 333518	39	
182	Turbine and turbine generator set units	333611	40	Engine, turbine and power transmission equipment
183	Speed changers and mechanical power transmission equipment	333612, 333613	40	
184	Other engine equipment	333618	40	
185	Pump and pumping equipment	333911, 333913	41	Other general purpose machinery
186	Air and gas compressors	333912	41	
187	Material handling equipment	333921-4	41	
188	Power-driven handtool manufacturing	333991	41	
189	Other general purpose machinery	333992, 333997, 333999	41	
190	Packaging machinery	333993	41	
191	Industrial process furnaces and ovens	333994	41	
192	Fluid power process machinery	333995-6	41	
193	Computers	334111	42	Computers and peripheral equipment
194	Computer storage devices	334112	42	
195	Computer terminals and other computer peripherals	334113, 334119	42	
196	Telephone apparatus	33421	43	Communications and audio-video equipment
197	Broadcast and wireless communications equipment	33422	43	
198	Other communications equipment	33429	43	
199	Audio and video equipment	3343	43	
200	Semiconductors and electron tubes	334411, 334413	44	Semiconductors and other electronic components
201	All other electronic components	334414,2,4-6,7-9	44	
202	Electromedical and electrotherapeutic apparatus	334510	45	Electromedical and electrotherapeutic apparatusw
203	Search, detection, and navigation instruments	334511	46	Search, detection and navigation equipment
204	Automatic environmental controls	334512	47	Measuring and control instruments
205	Industrial process variable instruments	334513	47	
206	Totalizing fluid meters and counting devices	334514	47	
207	Electricity and signal testing instruments	334515	47	

## *Mapping From Industries to Industrial Sectors, with NAICS Codes*

Ind #	Industry Title	Classification Code(s)	Sec #	Industrial Sector Title
	208 Analytical laboratory instruments	334516	47	
	209 Irradiation apparatus manufacturing	334517	45	Electromedical and electrotherapeutic apparatusw
	210 Watch, clock, and other measuring and controlling devices	334518-9	47	Measuring and control instruments
	211 Software, audio, and video media reproducing	334611-2	48	Magnetic and optical media
	212 Magnetic and optical recording media	334613	48	
	213 Electric lamp bulbs and parts	33511	51	Other electrical equipment and components
	214 Lighting fixtures	33512	51	
	215 Small electrical appliances	33521	49	Household appliances
	216 Household cooking appliances	335221	49	
	217 Household refrigerators and home freezers	335222	49	
	218 Household laundry equipment	335224	49	
	219 Other major household appliances	335228	49	
	220 Power, distribution, and specialty transformers	335311	50	Electrical equipment
	221 Motors and generators	335312	50	
	222 Switchgear and switchboard apparatus	335313	50	
	223 Relays and industrial controls	335314	50	
	224 Storage batteries	335911	51	Other electrical equipment and components
	225 Primary battery manufacturing	335912	51	
	226 Communication and energy wires and cables	33592	51	
	227 Wiring devices	33593	51	
	228 Carbon and graphite and miscellaneous electrical equipment	335991, 335999	51	
	229 Automobiles	336111-2	52	Motor vehicles
	230 Heavy duty trucks	336120	52	
	231 Motor vehicle bodies	336211	52	
	232 Truck trailer manufacturing	336212	52	
	233 Motor homes, trailers and campers	336213, 336214	52	
	234 Motor vehicle parts	3363	53	Motor vehicle parts
	235 Aircraft	336411	54	Aerospace products and parts
	236 Aircraft engines and engine parts	336412	54	
	237 Other aircraft parts and auxiliary equipment	336413	54	
	238 Guided missiles and space vehicles	336414	54	
	239 Propulsion units and parts for space vehicles and guided missiles	336415, 336419	54	
	240 Railroad rolling stock	3365	56	Other transportation equipment
	241 Ship building and repairing	336611	55	Ship and boat building
	242 Boat building	336612	55	
	243 Motorcycles, bicycles, and parts	336991	56	Other transportation equipment
	244 Military armored vehicles, tanks, and tank components	336992	56	
	245 All other transportation equipment	336999	56	
	246 Wood kitchen cabinet and countertops	33711	57	Furniture
	247 Household and institutional furniture	33712	57	
	248 Office furniture (including fixtures)	33721	57	
	249 Mattresses, blinds and shades	33791, 33792	57	
	250 Laboratory apparatus and furniture	339111	58	Medical equipment and supplies, dental labs
	251 Surgical and medical instruments	339112	58	
	252 Surgical appliances and supplies	339113	58	
	253 Dental equipment and supplies	339114	58	
	254 Ophthalmic goods	339115	59	Ophthalmic goods
	255 Dental laboratories	339116	58	Medical equipment and supplies, dental labs
	256 Jewelry and silverware	33991	60	Miscellaneous manufacturing
	257 Sporting and athletic goods	33992	60	
	258 Dolls, toys, and games	33993	60	
	259 Office supplies (except paper)	33994	60	

## *Mapping From Industries to Industrial Sectors, with NAICS Codes*

Ind #	Industry Title	Classification Code(s)	Sec #	Industrial Sector Title
260	Sign manufacturing	33995	60	
261	Gasket, packing, and sealing devices	339991	60	
262	Musical instruments	339992	60	
263	All other miscellaneous manufacturing	339993, 339995, 339999	60	
264	Broom, brush, and mop manufacturing	339994	60	
265	Wholesale trade	42	61	Wholesale trade
266	Retail trade	44, 45	62	Retail trade
267	Air transportation	481	63	Air transportation
268	Rail transportation	482	64	Rail transportation
269	Water transportation	483	65	Water transportation
270	Truck transportation	484	66	Truck transportation
271	Transit and ground passenger transportation	485	67	Transit and ground passenger transportation
272	Pipeline transportation	486	68	Pipeline transportation
273	Scenic and sightseeing transportation and support activities for transportation	487, 488	69	Transportation support, sightseeing, couriers
274	Couriers and messengers	492	69	
275	Warehousing and storage	493	70	Warehousing and storage
276	Newspaper publishers	51111	71	Publishing, except software
277	Periodical publishers	51112	72	Software
278	Book publishers	51113	71	Publishing, except software
279	Directory, mailing list, and other publishers	51114, 51119	71	
280	Software publishers	51121	71	
281	Motion picture and video industries	5121	73	Motion picture and sound recording
282	Sound recording industries	5122	73	
283	Radio and television broadcasting	5151	74	
284	Cable and internet	5152, 516	74	
285	Telecommunications	517	75	
286	Data processing, hosting and internet service providers	5181, 5182	76	
287	Other information services	519	76	
288	Monetary authorities and depository credit intermediation	521, 5221	77	Banks, credit cards and finance
289	Nondepository credit intermediation and related activities	5222-3	77	
290	Securities, commodity contracts, investments, and related activities	523	78	Securities, investments, funds and trusts
291	Insurance carriers	5241	79	Insurance
292	Insurance agencies, brokerages, and related activities	5242	79	
293	Funds, trusts, and other financial vehicles	525	78	Securities, investments, funds and trusts
294	Real estate	531	80	Real estate
295	Owner-occupied dwellings	S00800	81	Owner-occupied dwellings
296	Automotive equipment rental and leasing	5321	82	Rental and leasing of goods
297	General and consumer goods rental except video tapes and discs	53221-2, 53229, 5323	82	
298	Video tape and disc rental	53223	82	
299	Commercial and industrial machinery and equipment rental and leasing	5324	82	
300	Lessors of nonfinancial intangible assets	533	83	Royalties
301	Legal services	5411	84	Legal services
302	Accounting, tax preparation, bookkeeping, and payroll services	5412	85	Professional, scientific and technical services
303	Architectural, engineering, and related services	5413	85	
304	Specialized design services	5414	85	
305	Custom computer programming services	541511	86	Computer systems design and related services
306	Computer systems design services	541512	86	
307	Other computer related services, including facilities management	541513, 541519	86	
308	Management, scientific, and technical consulting services	54161	85	Professional, scientific and technical services
309	Environmental and other technical consulting services	54162, 54169	85	
310	Scientific research and development services	5417	85	
311	Advertising and related services	5418	85	

## *Mapping From Industries to Industrial Sectors, with NAICS Codes*

Ind #	Industry Title	Classification Code(s)	Sec #	Industrial Sector Title
312	All other miscellaneous professional, scientific, and technical services	54191, 54193, 54199	85	
313	Photographic services	54192	85	
314	Veterinary services	54194	85	
315	Management of companies and enterprises	55	87	Management of companies and enterprises
316	Office administrative services	5611	88	Administrative and support services
317	Facilities support services	5612	88	
318	Business support services	5614	88	
319	Investigation and security services	5616	88	
320	Services to buildings and dwellings	5617	88	
321	Other support services	5619	88	
322	Employment services	5613	88	
323	Travel arrangement and reservation services	5615	88	
324	Waste management and remediation services	562	89	Waste management and remediation
325	Elementary and secondary schools	6111	90	Educational services
326	Junior colleges, colleges, universities, and professional schools	6112-3	90	
327	Other educational services	6114-7	90	
328	Offices of physicians, dentists, and other health practitioners	6211-3	92	Offices of physicians, dentists, and other health practitioners
329	Medical and diagnostic labs and outpatient and other ambulatory care services	6214-5, 6219	93	Other ambulatory health care services
330	Home health care services	6216	91	Home health care services
331	Hospitals	622	94	Hospitals
332	Nursing and residential care facilities	623	95	Nursing and residential care facilities
333	Social assistance, except child day care services	6241-3	96	Child care and social assistance
334	Child day care services	6244	96	
335	Performing arts	'7111,7113,7114,7115,	97	Performing arts, spectator sports and museums
336	Museums, historical sites, zoos, and parks	712	97	
337	Spectator sports	7112	97	
338	Amusements, gambling, & recreation activities	7131-2, 71391-3, 71394, 71395, 71399	98	Amusements, gambling and recreation
339	Hotels and other accommodations	72111-2, 72119, 7212-3	99	Accommodation
340	Food services and drinking places	722	100	Food services and drinking places
341	Automotive repair, maintenance and car washes	8111	101	Automotive repair and maintenance
342	Electronic and precision equipment repair and maintenance	8112	102	Other repair and maintenance, personal services
343	Commercial and industrial machinery and equipment repair and maintenance	8113	102	
344	Personal and household goods repair and maintenance	8114	102	
345	Personal care services	8121	102	
346	Death care services	8122	102	
347	Dry-cleaning and laundry services	8123	102	
348	Other personal services	8129	102	
349	Religious, grantmaking, civic & professional organizations	813	103	Religious, grantmaking and other organizations
350	Private households	814	104	Private households
351	Postal service	491	105	Postal service and federal government enterprises
352	Other federal government enterprises	S00102	105	
353	Other state and local government enterprises	S00203	106	State and local government enterprises
354	General Federal defense government services	S00500	107	General government industry
355	General Federal nondefense government services	S00600	107	
356	General state and local government services	S00700	107	
357	Noncomparable imports	S00300	108	Noncomparable imports
358	Scrap	S00401	109	Scrap, used and secondhand
359	Used and secondhand goods	S00402	109	
360	Rest of the world adjustment	S00900	110	Rest of the world adjustment to final uses

**APPENDIX B**  
**PROJECTIONS FOR 360 INDUSTRIES**

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### 1 Oilseed farming

(Millions of 2012 dollars)

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	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	1	1	1	1	1	1	1
Indirect Purchases	109	125	109	104	101	102	102
Total:	110	126	110	105	101	102	103

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### 2 Grain farming

(Millions of 2012 dollars)

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	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	1	2	1	1	1	1	1
Indirect Purchases	431	467	403	376	361	358	357
Total:	432	468	404	377	362	359	358

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### 3 Vegetable and melon farming

(Millions of 2012 dollars)

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	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	158	184	166	163	157	158	159
Indirect Purchases	54	59	52	48	46	46	46
Total:	211	243	218	211	203	204	205

Note: Numbers may not add due to rounding

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#### 4 Fruit and nut farming

(Millions of 2012 dollars)

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	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	17	18	17	17	16	16	15
Indirect Purchases	55	60	52	49	47	46	46
Total:	72	78	70	65	63	62	62

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#### 5 Greenhouse, nursery, and floriculture production

(Millions of 2012 dollars)

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	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	3	4	3	2	2	2	2
Indirect Purchases	41	42	35	30	29	28	28
Total:	44	46	37	32	31	30	30

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#### 6 Tobacco farming

(Millions of 2012 dollars)

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	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Indirect Purchases	4	4	4	4	4	4	4
Total:	4	4	4	4	4	4	4

Note: Numbers may not add due to rounding

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### 7 Cotton farming

(Millions of 2012 dollars)

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	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Indirect Purchases	27	27	22	19	19	18	18
Total:	27	27	22	19	19	18	18

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### 8 Sugarcane and sugar beet farming

(Millions of 2012 dollars)

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	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Indirect Purchases	24	26	23	22	22	21	21
Total:	24	26	23	22	22	21	21

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### 9 All other crop farming

(Millions of 2012 dollars)

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	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	2	2	1	1	1	1	1
Indirect Purchases	459	489	412	374	359	354	351
Total:	461	491	413	375	359	354	352

Note: Numbers may not add due to rounding

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**10 Cattle ranching and dairy farming**(Millions of 2012 dollars)

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	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	21	24	21	21	20	20	20
Indirect Purchases	946	1,060	925	885	852	855	857
Total:	967	1,084	946	906	872	875	877

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**11 Poultry and egg production**(Millions of 2012 dollars)

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	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	105	123	110	109	104	106	107
Indirect Purchases	215	238	205	194	187	188	189
Total:	320	361	314	303	292	294	295

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**12 Animal production, except cattle and poultry and eggs**(Millions of 2012 dollars)

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	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	13	14	10	7	7	7	7
Indirect Purchases	304	332	288	272	262	261	260
Total:	317	346	298	280	269	268	267

Note: Numbers may not add due to rounding

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### 13 Forestry and logging

(Millions of 2012 dollars)

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	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	4	4	3	2	2	2	2
Indirect Purchases	1,368	1,319	1,072	896	843	800	782
Total:	1,372	1,323	1,075	897	845	802	784

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### 14 Fishing, hunting and trapping

(Millions of 2012 dollars)

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	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	28	33	28	27	26	26	27
Indirect Purchases	132	137	112	100	97	96	96
Total:	160	169	140	127	123	123	122

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### 15 Support activities for agriculture and forestry

(Millions of 2012 dollars)

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	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	71	72	56	46	44	44	44
Indirect Purchases	270	281	238	214	204	198	196
Total:	342	353	295	259	248	242	240

Note: Numbers may not add due to rounding

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**16 Crude oil extraction**

(Millions of 2012 dollars)

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	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	73	84	121	70	62	45	38
Indirect Purchases	11,544	11,365	9,677	8,030	7,715	7,411	7,281
Total:	11,617	11,449	9,798	8,100	7,777	7,456	7,319

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**18 Coal mining**

(Millions of 2012 dollars)

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	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Indirect Purchases	1,065	1,068	854	724	696	682	675
Total:	1,065	1,068	854	724	696	682	675

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**19 Iron ore mining**

(Millions of 2012 dollars)

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	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Indirect Purchases	202	196	159	140	129	126	125
Total:	202	196	159	140	129	126	125

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Note: Numbers may not add due to rounding

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**20 Copper, nickel, lead, and zinc mining**

(Millions of 2012 dollars)

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	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	0	0	0	0	0	0	0
Indirect Purchases	290	276	208	184	181	174	165
Total:	290	276	208	184	181	174	165

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**21 Gold, silver, and other metal ore mining**

(Millions of 2012 dollars)

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	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	6	7	6	5	5	5	5
Indirect Purchases	147	127	98	85	82	78	75
Total:	154	134	104	90	87	83	80

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**22 Stone mining and quarrying**

(Millions of 2012 dollars)

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	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	11	11	9	7	6	6	5
Indirect Purchases	642	649	495	402	386	374	368
Total:	653	661	504	409	392	380	374

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*Note: Numbers may not add due to rounding*

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**23 Sand, gravel, clay, and ceramic and refractory minerals mining and quarrying**

(Millions of 2012 dollars)

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	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	11	12	11	9	8	7	6
Indirect Purchases	466	515	431	384	380	367	361
Total:	477	527	442	394	389	374	367

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**24 Other nonmetallic mineral mining and quarrying**

(Millions of 2012 dollars)

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	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	4	4	3	2	2	1	1
Indirect Purchases	118	121	97	83	80	77	76
Total:	123	125	100	85	81	79	77

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**25 Drilling oil and gas wells**

(Millions of 2012 dollars)

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	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	1	1	0	0	0	0	0
Indirect Purchases	0	0	0	0	0	0	0
Total:	1	1	0	0	0	0	0

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*Note: Numbers may not add due to rounding*

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## 26 Support activities for oil and gas operations

(Millions of 2012 dollars)

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	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	1	1	1	1	1	1	1
Indirect Purchases	108	108	94	78	76	74	73
Total:	109	109	94	79	77	74	73

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## 27 Support activities for other mining

(Millions of 2012 dollars)

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	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	5	5	3	2	1	1	1
Indirect Purchases	101	103	85	74	71	69	68
Total:	106	108	87	76	73	70	69

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## 28 Electric power generation, transmission, and distribution

(Millions of 2012 dollars)

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	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	6,507	6,573	5,021	3,962	3,869	3,805	3,772
Indirect Purchases	6,690	6,787	5,570	4,906	4,718	4,638	4,601
Total:	13,197	13,360	10,590	8,868	8,587	8,443	8,373

Note: Numbers may not add due to rounding

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## 29 Natural gas distribution

(Millions of 2012 dollars)

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	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	1,044	1,052	826	667	652	643	639
Indirect Purchases	2,657	2,671	2,187	1,903	1,829	1,785	1,766
Total:	3,700	3,723	3,013	2,570	2,481	2,428	2,405

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## 30 Water, sewage and other systems

(Millions of 2012 dollars)

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	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	1,373	1,395	1,104	861	836	812	801
Indirect Purchases	600	604	484	419	403	395	392
Total:	1,973	2,000	1,588	1,280	1,238	1,207	1,193

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## 31 New residential construction

(Millions of 2012 dollars)

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	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	148	157	153	134	124	117	111
Indirect Purchases	39	39	31	27	26	25	25
Total:	187	196	184	161	150	142	136

Note: Numbers may not add due to rounding

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**32 New non-residential building construction**

(Millions of 2012 dollars)

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	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	25,799	25,480	20,669	17,083	15,934	15,100	14,750
Indirect Purchases	12	17	16	13	13	15	20
Total:	25,811	25,497	20,685	17,096	15,947	15,115	14,770

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**33 Highway, street, bridge, tunnel, water, sewer, pipeline and other construction**

(Millions of 2012 dollars)

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	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	6,089	6,503	5,038	3,930	3,595	3,270	3,092
Indirect Purchases	3	4	4	3	3	3	4
Total:	6,092	6,507	5,042	3,933	3,598	3,273	3,096

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**34 Maintenance and repair of residential structures**

(Millions of 2012 dollars)

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	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	488	502	348	257	251	247	245
Indirect Purchases	183	185	150	129	125	123	122
Total:	671	687	498	387	375	370	367

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*Note: Numbers may not add due to rounding*

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**35 Maintenance and repair of nonresidential buildings, infrastructure and other**(Millions of 2012 dollars)

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	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	19,436	19,482	14,117	11,006	10,611	10,368	10,241
Indirect Purchases	4,880	4,934	4,142	3,656	3,524	3,452	3,419
Total:	24,316	24,416	18,259	14,662	14,135	13,820	13,659

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**36 Dog and cat food**(Millions of 2012 dollars)

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	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	21	24	21	21	20	21	21
Indirect Purchases	1	1	1	1	1	1	1
Total:	21	25	22	22	21	21	21

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**37 Other animal food**(Millions of 2012 dollars)

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	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	18	21	18	18	17	18	18
Indirect Purchases	260	286	249	235	226	226	226
Total:	278	307	267	253	244	243	243

Note: Numbers may not add due to rounding

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**38 Flour milling and malt**(Millions of 2012 dollars)

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	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	27	31	28	27	26	27	27
Indirect Purchases	58	64	56	53	51	51	51
Total:	85	96	84	80	77	78	78

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**39 Wet corn milling**(Millions of 2012 dollars)

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	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Indirect Purchases	104	111	93	84	81	81	80
Total:	104	111	93	84	81	81	80

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**40 Soybean and other oilseed processing**(Millions of 2012 dollars)

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	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	88	103	91	90	87	88	89
Indirect Purchases	196	214	182	169	163	163	163
Total:	284	316	273	260	250	251	252

Note: Numbers may not add due to rounding

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### 41 Fats and oils refining and blending

(Millions of 2012 dollars)

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	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	7	8	7	7	6	7	7
Indirect Purchases	86	93	78	72	69	69	69
Total:	92	100	85	79	76	75	75

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### 42 Breakfast cereals

(Millions of 2012 dollars)

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	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	20	23	21	20	20	20	20
Indirect Purchases	4	4	3	3	3	3	3
Total:	24	27	24	23	22	22	23

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### 43 Sugar manufacturing

(Millions of 2012 dollars)

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	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	14	16	14	14	14	14	14
Indirect Purchases	42	46	40	39	37	37	37
Total:	55	62	55	53	51	51	51

Note: Numbers may not add due to rounding

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## 44 Chocolate

(Millions of 2012 dollars)

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	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	100	116	103	102	98	100	101
Indirect Purchases	26	29	25	23	23	23	23
Total:	126	145	128	126	121	122	123

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## 45 Nonchocolate confectionery

(Millions of 2012 dollars)

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	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	30	35	31	31	30	30	30
Indirect Purchases	14	14	11	10	9	9	9
Total:	44	49	42	41	39	39	40

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## 46 Frozen food manufacturing

(Millions of 2012 dollars)

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	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	94	109	97	96	92	94	95
Indirect Purchases	61	64	52	47	45	45	45
Total:	155	173	149	143	138	139	139

Note: Numbers may not add due to rounding

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**47 Fruit and vegetable canning, pickling, and drying**

(Millions of 2012 dollars)

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	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	139	165	157	149	142	141	141
Indirect Purchases	119	123	102	91	88	87	86
Total:	258	288	258	240	230	228	227

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**48 Fluid milk and butter**

(Millions of 2012 dollars)

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	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	190	222	202	197	189	191	192
Indirect Purchases	83	89	75	69	66	66	66
Total:	273	312	277	267	256	257	257

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**49 Cheese**

(Millions of 2012 dollars)

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	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	55	65	60	58	56	56	56
Indirect Purchases	159	165	135	120	116	115	115
Total:	214	229	195	178	172	171	170

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*Note: Numbers may not add due to rounding*

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**50 Dry, condensed, and evaporated dairy product manufacturing**(Millions of 2012 dollars)

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	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	21	24	23	22	21	21	21
Indirect Purchases	44	47	39	35	34	34	34
Total:	65	71	62	57	55	55	54

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**51 Ice cream and frozen desserts**(Millions of 2012 dollars)

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	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	38	45	40	40	38	38	39
Indirect Purchases	67	68	56	49	48	47	47
Total:	105	113	96	89	86	85	85

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**52 Animal (except poultry) slaughtering, rendering, and processing**(Millions of 2012 dollars)

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	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	765	892	790	785	755	767	773
Indirect Purchases	526	565	479	443	427	425	424
Total:	1,292	1,457	1,268	1,227	1,182	1,192	1,197

Note: Numbers may not add due to rounding

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**53 Poultry processing**(Millions of 2012 dollars)

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	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	146	170	151	150	144	146	147
Indirect Purchases	166	174	144	130	126	125	125
Total:	312	345	295	279	270	271	272

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**54 Seafood product preparation and packaging**(Millions of 2012 dollars)

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	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	50	58	52	51	49	50	51
Indirect Purchases	110	113	92	81	78	77	76
Total:	160	171	143	132	128	127	127

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**55 Bread and bakery products**(Millions of 2012 dollars)

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	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	215	250	222	219	211	213	215
Indirect Purchases	80	82	66	57	55	54	54
Total:	295	332	288	276	266	268	269

Note: Numbers may not add due to rounding

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**56 Cookies, crackers and tortillas**

(Millions of 2012 dollars)

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	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	69	80	71	70	68	69	69
Indirect Purchases	28	29	24	21	20	20	20
Total:	97	109	95	91	88	89	89

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**57 Snack foods**

(Millions of 2012 dollars)

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	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	183	213	188	187	180	183	185
Indirect Purchases	44	45	37	32	31	31	31
Total:	227	258	225	220	212	214	216

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**58 Coffee and tea**

(Millions of 2012 dollars)

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	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	17	20	18	18	17	17	17
Indirect Purchases	30	30	25	22	21	21	21
Total:	47	50	42	39	38	38	38

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Note: Numbers may not add due to rounding

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**59 Flavoring syrup and concentrate**

(Millions of 2012 dollars)

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	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	4	4	3	3	3	3	3
Indirect Purchases	336	358	301	278	267	267	266
Total:	340	362	304	282	271	270	269

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**60 Seasonings and dressings**

(Millions of 2012 dollars)

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	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	105	123	108	108	104	105	106
Indirect Purchases	72	75	62	56	54	53	53
Total:	178	198	171	163	158	159	159

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**61 All other food**

(Millions of 2012 dollars)

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	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	65	80	91	76	71	66	64
Indirect Purchases	77	80	68	61	59	58	57
Total:	142	160	158	137	130	124	122

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*Note: Numbers may not add due to rounding*

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**62 Soft drinks and ice**

(Millions of 2012 dollars)

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	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	359	413	351	338	325	328	330
Indirect Purchases	82	84	68	60	58	57	57
Total:	441	496	419	397	383	386	387

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**63 Breweries**

(Millions of 2012 dollars)

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	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	0	0	0	0	0	0	0
Indirect Purchases	19	19	15	13	13	13	12
Total:	19	19	15	13	13	13	13

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**64 Wineries**

(Millions of 2012 dollars)

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	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	0	0	0	0	0	0	0
Indirect Purchases	35	35	28	24	24	23	23
Total:	35	35	28	25	24	24	23

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Note: Numbers may not add due to rounding

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**65 Distilleries**

(Millions of 2012 dollars)

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	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Indirect Purchases	64	65	52	46	44	44	43
Total:	64	65	52	46	44	44	43

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**66 Tobacco product manufacturing**

(Millions of 2012 dollars)

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	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	120	140	124	123	119	121	122
Indirect Purchases	4	4	4	4	4	4	4
Total:	124	145	128	127	123	125	126

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**67 Fiber, yarn, and thread mills**

(Millions of 2012 dollars)

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	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	1	1	1	0	0	0	0
Indirect Purchases	276	278	219	193	190	185	181
Total:	277	279	220	193	190	185	181

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*Note: Numbers may not add due to rounding*

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**68 Fabric mills**(Millions of 2012 dollars)

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	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	11	12	10	8	7	6	6
Indirect Purchases	834	844	676	601	593	577	566
Total:	845	856	686	609	600	583	572

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**69 Textile and fabric finishing mills**(Millions of 2012 dollars)

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	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	26	29	32	19	17	13	11
Indirect Purchases	731	734	586	518	509	494	484
Total:	756	763	618	537	526	507	495

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**70 Carpet and rug mills**(Millions of 2012 dollars)

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	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	7	7	6	5	5	5	5
Indirect Purchases	163	172	139	123	122	119	118
Total:	171	179	146	128	127	124	122

Note: Numbers may not add due to rounding

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**71 Curtain and linen mills**(Millions of 2012 dollars)

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	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	5	6	6	5	5	5	4
Indirect Purchases	25	25	20	17	17	17	17
Total:	30	31	26	23	22	21	21

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**72 Other textile products**(Millions of 2012 dollars)

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	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	529	532	410	284	268	251	244
Indirect Purchases	560	569	460	414	401	399	396
Total:	1,089	1,101	870	698	669	650	639

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**73 Apparel knitting mills**(Millions of 2012 dollars)

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	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	33	29	23	22	22	22	21
Indirect Purchases	34	34	28	25	25	24	24
Total:	68	63	51	47	47	46	45

Note: Numbers may not add due to rounding

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**74 Cut and sew apparel**(Millions of 2012 dollars)

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	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	2,613	2,646	2,190	2,053	2,045	2,002	1,965
Indirect Purchases	416	424	343	304	298	292	288
Total:	3,029	3,071	2,533	2,357	2,343	2,294	2,253

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**75 Apparel accessories and other apparel**(Millions of 2012 dollars)

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	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	3,431	3,516	2,632	2,336	2,314	2,257	2,205
Indirect Purchases	236	241	185	166	164	161	158
Total:	3,667	3,756	2,817	2,501	2,478	2,418	2,363

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**76 Footwear and other leather products**(Millions of 2012 dollars)

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	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	236	229	213	183	180	171	166
Indirect Purchases	174	171	137	116	113	110	109
Total:	410	401	350	299	293	281	275

Note: Numbers may not add due to rounding

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**77 Sawmills and wood preservation**

(Millions of 2012 dollars)

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	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	1	1	1	1	1	1	1
Indirect Purchases	1,309	1,261	1,012	842	795	768	761
Total:	1,310	1,262	1,013	842	796	769	762

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**78 Veneer, plywood, particleboard, and engineered wood products**

(Millions of 2012 dollars)

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	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	16	28	92	51	42	24	17
Indirect Purchases	664	660	533	445	425	409	402
Total:	680	688	625	496	467	433	419

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**79 Wood windows and doors and millwork**

(Millions of 2012 dollars)

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	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	3	3	2	2	1	1	1
Indirect Purchases	674	665	530	444	420	406	401
Total:	677	668	532	446	421	407	402

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*Note: Numbers may not add due to rounding*

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**80 Wood containers and pallets**

(Millions of 2012 dollars)

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	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	82	82	63	48	48	49	49
Indirect Purchases	177	174	134	110	107	105	104
Total:	259	256	196	159	155	153	153

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**81 Manufactured homes (mobile homes)**

(Millions of 2012 dollars)

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	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	8	8	7	6	6	5	5
Indirect Purchases	8	8	6	5	5	5	4
Total:	16	16	13	11	10	10	9

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**82 Prefabricated wood buildings**

(Millions of 2012 dollars)

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	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	6	7	6	5	4	4	4
Indirect Purchases	111	112	88	71	67	64	63
Total:	117	119	93	76	71	68	66

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*Note: Numbers may not add due to rounding*

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**83 All other miscellaneous wood products**

(Millions of 2012 dollars)

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	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	2	2	1	1	1	1	1
Indirect Purchases	238	236	194	171	167	163	161
Total:	240	238	196	172	168	164	162

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**84 Pulp mills**

(Millions of 2012 dollars)

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	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Indirect Purchases	158	161	133	116	112	110	109
Total:	158	161	133	116	112	110	109

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**85 Paper and paperboard mills**

(Millions of 2012 dollars)

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	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	92	106	92	90	87	88	89
Indirect Purchases	2,458	2,507	2,065	1,801	1,742	1,715	1,701
Total:	2,550	2,614	2,157	1,891	1,829	1,804	1,790

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*Note: Numbers may not add due to rounding*

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**86 Paperboard container manufacturing**

(Millions of 2012 dollars)

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	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	11	11	9	6	5	4	4
Indirect Purchases	1,300	1,329	1,091	962	916	901	894
Total:	1,311	1,340	1,100	968	921	905	899

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**87 Coated and laminated paper, packaging paper and plastics film**

(Millions of 2012 dollars)

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	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	13	14	10	8	7	7	7
Indirect Purchases	366	373	307	267	260	256	254
Total:	379	387	317	275	267	263	261

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**88 All other paper bag and coated and treated paper manufacturing**

(Millions of 2012 dollars)

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	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	30	34	29	28	27	27	27
Indirect Purchases	91	96	80	72	70	69	69
Total:	121	130	109	100	97	96	96

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*Note: Numbers may not add due to rounding*

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**89 Stationery product manufacturing**(Millions of 2012 dollars)

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	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	5	4	3	2	2	2	2
Indirect Purchases	83	84	68	59	58	57	57
Total:	88	89	71	61	60	59	58

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**90 Sanitary paper product manufacturing**(Millions of 2012 dollars)

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	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	1	1	1	1	1	1	1
Indirect Purchases	10	11	10	9	9	9	9
Total:	11	13	11	10	10	10	10

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**91 All other converted paper products**(Millions of 2012 dollars)

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	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	23	26	22	21	21	21	21
Indirect Purchases	42	45	38	35	34	34	34
Total:	65	71	60	56	54	54	54

Note: Numbers may not add due to rounding

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**92 Printing**

(Millions of 2012 dollars)

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	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	3,296	3,315	2,868	2,439	2,426	2,388	2,363
Indirect Purchases	1,803	1,851	1,510	1,329	1,292	1,274	1,265
Total:	5,098	5,166	4,378	3,768	3,717	3,662	3,627

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**93 Support activities for printing**

(Millions of 2012 dollars)

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	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	12	12	11	9	9	9	9
Indirect Purchases	272	278	229	199	194	191	189
Total:	284	290	240	208	203	200	198

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**94 Petroleum refineries**

(Millions of 2012 dollars)

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	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	73	247	1,170	574	446	171	70
Indirect Purchases	16,374	15,776	12,674	10,839	10,519	10,315	10,211
Total:	16,447	16,024	13,844	11,412	10,965	10,486	10,281

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Note: Numbers may not add due to rounding

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**95 Asphalt products**(Millions of 2012 dollars)

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	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	16	17	10	6	6	6	5
Indirect Purchases	652	660	510	415	396	382	375
Total:	668	677	520	422	402	387	380

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**96 Lubricating and other petroleum products**(Millions of 2012 dollars)

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	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	17	19	20	17	17	16	15
Indirect Purchases	447	443	360	306	294	286	283
Total:	464	462	380	324	310	302	298

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**97 Petrochemicals**(Millions of 2012 dollars)

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	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	1	1	0	0	0	0	0
Indirect Purchases	1,530	1,553	1,268	1,098	1,039	1,010	997
Total:	1,530	1,553	1,269	1,099	1,040	1,010	998

Note: Numbers may not add due to rounding

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**98 Industrial gases**

(Millions of 2012 dollars)

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	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	19	21	21	14	13	11	11
Indirect Purchases	347	358	294	259	249	244	242
Total:	366	379	315	273	262	255	253

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**99 Synthetic dyes and pigments**

(Millions of 2012 dollars)

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	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	5	6	4	3	3	3	3
Indirect Purchases	288	291	237	207	198	195	194
Total:	293	297	241	211	201	198	197

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**100 Other basic inorganic chemicals**

(Millions of 2012 dollars)

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	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	23	24	16	12	12	11	11
Indirect Purchases	1,011	1,020	839	728	699	683	680
Total:	1,034	1,044	855	740	711	695	691

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Note: Numbers may not add due to rounding

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**101 Other basic organic chemicals**

(Millions of 2012 dollars)

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	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	9	9	7	6	6	6	6
Indirect Purchases	2,319	2,354	1,928	1,684	1,602	1,565	1,551
Total:	2,328	2,363	1,935	1,690	1,608	1,571	1,556

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**102 Plastics materials and resins**

(Millions of 2012 dollars)

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	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	34	37	26	21	21	21	21
Indirect Purchases	2,756	2,810	2,293	2,015	1,903	1,875	1,863
Total:	2,789	2,848	2,319	2,036	1,925	1,896	1,884

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**103 Synthetic rubber**

(Millions of 2012 dollars)

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	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	2	3	2	2	2	2	2
Indirect Purchases	235	233	193	161	157	151	150
Total:	238	236	196	163	159	153	152

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Note: Numbers may not add due to rounding

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**104 Artificial and synthetic fibers and filaments**

(Millions of 2012 dollars)

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	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	2	2	1	1	1	1	0
Indirect Purchases	423	424	337	287	279	270	265
Total:	425	425	338	287	280	271	265

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**105 Fertilizers**

(Millions of 2012 dollars)

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	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	0	0	0	0	0	0	0
Indirect Purchases	450	467	382	331	315	306	303
Total:	450	467	382	331	315	306	303

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**106 Pesticides and other agricultural chemicals**

(Millions of 2012 dollars)

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	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	5	5	3	2	2	2	2
Indirect Purchases	83	89	76	70	67	66	65
Total:	88	95	79	71	68	67	67

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*Note: Numbers may not add due to rounding*

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**107 Pharmaceuticals and medicines**

(Millions of 2012 dollars)

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	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	348	400	433	315	289	252	237
Indirect Purchases	1,160	1,294	1,121	1,049	1,009	1,007	1,006
Total:	1,508	1,695	1,553	1,365	1,298	1,258	1,243

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**108 Paints and coatings**

(Millions of 2012 dollars)

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	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	35	36	25	19	19	18	18
Indirect Purchases	1,072	1,078	881	785	731	726	727
Total:	1,108	1,114	906	804	750	744	746

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**109 Adhesives**

(Millions of 2012 dollars)

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	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	6	6	5	4	4	4	4
Indirect Purchases	280	276	225	193	187	183	182
Total:	286	282	229	197	191	187	186

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Note: Numbers may not add due to rounding

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**110 Soaps and cleaning compounds**

(Millions of 2012 dollars)

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	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	283	328	289	286	275	278	280
Indirect Purchases	438	452	378	336	324	317	314
Total:	721	780	667	621	598	595	594

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**111 Toilet preparations**

(Millions of 2012 dollars)

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	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	8	10	8	8	8	8	8
Indirect Purchases	37	38	32	28	27	26	26
Total:	45	47	40	36	35	34	34

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**112 Printing ink**

(Millions of 2012 dollars)

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	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	1	1	1	1	0	0	0
Indirect Purchases	314	321	267	232	227	223	222
Total:	315	322	268	233	227	224	222

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*Note: Numbers may not add due to rounding*

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**113 All other chemical products and preparations**

(Millions of 2012 dollars)

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	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	982	1,046	726	609	616	619	627
Indirect Purchases	1,386	1,426	1,159	1,008	970	951	942
Total:	2,368	2,472	1,884	1,617	1,587	1,570	1,569

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**114 Plastics packaging materials and unlaminated film and sheet**

(Millions of 2012 dollars)

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	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	26	30	26	24	23	24	24
Indirect Purchases	1,139	1,178	973	877	824	820	817
Total:	1,166	1,208	998	901	848	844	841

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**115 Plastics pipe, fittings, and profile shapes**

(Millions of 2012 dollars)

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	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	40	41	30	23	22	22	22
Indirect Purchases	768	828	698	675	589	601	603
Total:	809	870	728	698	612	623	625

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*Note: Numbers may not add due to rounding*

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**116 Laminated plastics plate, sheet (except packaging), and shapes**

(Millions of 2012 dollars)

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	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	22	15	11	7	7	6	7
Indirect Purchases	123	129	107	98	91	91	91
Total:	144	144	119	105	98	97	98

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**117 Plastic foam products**

(Millions of 2012 dollars)

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	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	7	8	5	4	4	4	3
Indirect Purchases	508	516	420	364	352	344	341
Total:	515	524	425	368	356	348	345

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**118 Plastic bottles**

(Millions of 2012 dollars)

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	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	1	2	1	0	0	0	0
Indirect Purchases	141	154	128	118	115	115	115
Total:	143	155	129	118	115	116	115

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*Note: Numbers may not add due to rounding*

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**119 Other plastics products**(Millions of 2012 dollars)

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	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	73	78	63	53	52	51	51
Indirect Purchases	3,399	3,525	2,900	2,563	2,468	2,429	2,412
Total:	3,472	3,603	2,963	2,616	2,519	2,480	2,463

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**120 Tires**(Millions of 2012 dollars)

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	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	101	81	81	58	58	50	52
Indirect Purchases	575	458	360	284	274	260	267
Total:	677	539	441	342	331	310	319

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**121 Rubber and plastics hoses and beltings**(Millions of 2012 dollars)

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	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	10	10	7	5	5	4	4
Indirect Purchases	188	173	142	124	123	121	123
Total:	198	183	149	129	127	126	127

Note: Numbers may not add due to rounding

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**122 Other rubber products**

(Millions of 2012 dollars)

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	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	41	40	32	23	22	20	20
Indirect Purchases	693	651	553	489	472	454	455
Total:	734	691	585	513	494	474	475

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**123 Pottery, ceramics, and plumbing fixtures**

(Millions of 2012 dollars)

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	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	29	33	29	29	27	28	28
Indirect Purchases	98	100	81	68	65	62	61
Total:	127	133	110	97	92	90	89

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**124 Clay building materials and refractories**

(Millions of 2012 dollars)

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	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	8	8	5	3	3	3	3
Indirect Purchases	345	341	275	234	221	214	210
Total:	353	349	280	237	224	216	213

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*Note: Numbers may not add due to rounding*

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**125 Glass and glass products, exc containers**(Millions of 2012 dollars)

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	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	88	62	43	26	24	21	23
Indirect Purchases	824	823	680	608	553	546	545
Total:	912	884	723	634	577	567	568

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**126 Glass containers**(Millions of 2012 dollars)

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	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	0	0	0	0	0	0	0
Indirect Purchases	25	27	22	20	20	19	19
Total:	25	27	23	21	20	20	20

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**127 Cement**(Millions of 2012 dollars)

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	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	0	0	0	0	0	0	0
Indirect Purchases	308	311	248	208	199	192	188
Total:	309	311	248	208	199	192	189

Note: Numbers may not add due to rounding

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**128 Ready-mix concrete**(Millions of 2012 dollars)

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	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	1	1	1	1	1	1	1
Indirect Purchases	598	607	480	395	375	359	351
Total:	599	608	480	396	375	360	352

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**129 Concrete pipe, brick, and blocks**(Millions of 2012 dollars)

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	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	1	2	1	1	1	1	1
Indirect Purchases	240	245	196	164	156	150	147
Total:	241	246	197	165	157	151	148

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**130 Other concrete products**(Millions of 2012 dollars)

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	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	21	22	18	14	13	12	11
Indirect Purchases	543	546	443	377	361	349	344
Total:	564	569	461	392	374	361	355

Note: Numbers may not add due to rounding

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**131 Lime and gypsum products**

(Millions of 2012 dollars)

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	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	1	1	1	0	0	0	0
Indirect Purchases	297	299	235	197	190	185	183
Total:	299	301	235	198	190	186	183

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**132 Abrasive products**

(Millions of 2012 dollars)

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	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	44	31	24	17	16	14	15
Indirect Purchases	328	331	269	235	224	219	218
Total:	371	362	293	251	240	234	233

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**133 Cut stone and stone products**

(Millions of 2012 dollars)

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	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	0	0	0	0	0	0	0
Indirect Purchases	191	192	153	127	119	114	111
Total:	191	192	154	127	119	114	111

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*Note: Numbers may not add due to rounding*

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**134 Other non-metallic mineral products**

(Millions of 2012 dollars)

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	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	3	4	8	5	4	3	2
Indirect Purchases	245	248	198	169	164	160	157
Total:	248	253	206	174	168	162	159

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**135 Primary ferrous metal products**

(Millions of 2012 dollars)

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	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	116	94	77	49	45	38	38
Indirect Purchases	6,681	6,588	5,412	4,794	4,450	4,378	4,381
Total:	6,798	6,682	5,490	4,842	4,495	4,417	4,419

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**136 Primary aluminum production**

(Millions of 2012 dollars)

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	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	9	9	6	4	4	4	4
Indirect Purchases	1,486	1,445	1,179	1,013	991	962	950
Total:	1,495	1,454	1,185	1,017	995	965	953

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*Note: Numbers may not add due to rounding*

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**137 Aluminum product manufacturing from purchased aluminum**

(Millions of 2012 dollars)

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	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	394	390	340	290	295	290	281
Indirect Purchases	2,083	2,017	1,670	1,455	1,423	1,378	1,376
Total:	2,477	2,407	2,009	1,744	1,718	1,668	1,657

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**138 Primary smelting and refining of copper**

(Millions of 2012 dollars)

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	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	1	1	1	1	1	1	1
Indirect Purchases	641	616	470	409	400	384	365
Total:	642	618	470	410	400	384	365

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**139 Primary smelting and refining of nonferrous metal (except copper and aluminum)**

(Millions of 2012 dollars)

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	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	7	8	4	3	3	2	2
Indirect Purchases	676	651	531	465	449	434	424
Total:	683	659	535	467	452	436	426

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*Note: Numbers may not add due to rounding*

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**140 Copper rolling, drawing, extruding and alloying**(Millions of 2012 dollars)

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	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	6	7	5	4	4	4	4
Indirect Purchases	1,218	1,214	979	836	806	783	770
Total:	1,225	1,221	985	840	810	788	774

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**141 Nonferrous metal (except copper and aluminum) rolling, drawing, extruding and alloying**(Millions of 2012 dollars)

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	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	16	18	18	12	11	10	9
Indirect Purchases	973	970	799	717	702	694	697
Total:	989	988	817	729	713	704	706

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**142 Ferrous metal foundries**(Millions of 2012 dollars)

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	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	37	26	18	11	10	9	10
Indirect Purchases	1,013	975	814	727	712	702	704
Total:	1,050	1,001	832	738	722	711	714

Note: Numbers may not add due to rounding

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**143 Nonferrous metal foundries**(Millions of 2012 dollars)

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	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	3	3	3	2	2	2	2
Indirect Purchases	751	762	627	558	551	546	544
Total:	754	765	630	560	553	548	546

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**144 Forging and stamping**(Millions of 2012 dollars)

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	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	65	60	48	36	34	32	31
Indirect Purchases	2,628	2,750	2,339	2,189	2,046	2,049	2,057
Total:	2,694	2,810	2,386	2,225	2,080	2,081	2,087

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**145 Cutlery, utensils, pots, and pans**(Millions of 2012 dollars)

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	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	11	11	6	3	3	3	3
Indirect Purchases	154	164	133	119	123	123	123
Total:	165	175	139	123	126	126	125

Note: Numbers may not add due to rounding

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**146 Handtools**

(Millions of 2012 dollars)

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	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	458	471	265	156	149	140	134
Indirect Purchases	208	204	166	142	135	133	134
Total:	666	675	431	298	284	273	268

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**147 Plate work and fabricated structural products**

(Millions of 2012 dollars)

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	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	325	336	255	194	181	174	171
Indirect Purchases	3,554	3,531	2,871	2,522	2,389	2,343	2,323
Total:	3,879	3,867	3,126	2,716	2,570	2,517	2,494

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**148 Ornamental and architectural metal products**

(Millions of 2012 dollars)

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	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	36	33	26	20	19	18	19
Indirect Purchases	2,791	2,545	2,086	1,673	1,573	1,558	1,616
Total:	2,826	2,578	2,112	1,693	1,592	1,576	1,635

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*Note: Numbers may not add due to rounding*

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**149 Power boilers and heat exchangers**

(Millions of 2012 dollars)

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	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	140	169	140	148	149	153	144
Indirect Purchases	142	143	115	98	93	90	89
Total:	282	312	255	246	241	243	233

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**150 Metal tanks (heavy gauge)**

(Millions of 2012 dollars)

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	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	136	83	70	46	44	37	41
Indirect Purchases	105	105	84	71	66	64	63
Total:	240	188	154	117	110	101	104

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**151 Metal cans, boxes, and other metal containers (light gauge)**

(Millions of 2012 dollars)

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	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	135	147	130	97	91	83	81
Indirect Purchases	437	437	364	316	300	297	299
Total:	572	584	494	413	391	380	380

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*Note: Numbers may not add due to rounding*

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**152 Ammunition**

(Millions of 2012 dollars)

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	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	5,293	6,082	4,574	3,724	3,438	3,354	3,284
Indirect Purchases	28	33	25	21	19	19	20
Total:	5,321	6,115	4,599	3,744	3,457	3,373	3,304

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**153 Arms, ordnance, and accessories**

(Millions of 2012 dollars)

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	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	3,445	3,436	2,750	2,321	2,304	2,246	2,148
Indirect Purchases	24	25	20	17	17	17	17
Total:	3,469	3,461	2,770	2,338	2,321	2,263	2,165

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**154 Hardware manufacturing**

(Millions of 2012 dollars)

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	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	159	153	157	120	115	104	100
Indirect Purchases	837	892	755	675	668	649	645
Total:	996	1,046	912	795	782	753	745

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*Note: Numbers may not add due to rounding*

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**155 Springs and wire products**(Millions of 2012 dollars)

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	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	26	29	24	18	17	16	15
Indirect Purchases	253	246	201	173	166	162	162
Total:	280	275	225	191	184	178	177

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**156 Machine shops**(Millions of 2012 dollars)

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	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	151	172	138	131	140	132	125
Indirect Purchases	2,264	2,251	1,847	1,606	1,544	1,522	1,522
Total:	2,415	2,423	1,985	1,737	1,684	1,655	1,647

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**157 Turned products and screws, nuts, and bolts**(Millions of 2012 dollars)

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	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	189	250	252	215	245	212	189
Indirect Purchases	1,912	1,888	1,554	1,350	1,308	1,300	1,313
Total:	2,101	2,138	1,805	1,566	1,554	1,511	1,503

Note: Numbers may not add due to rounding

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**158 Coating, engraving, heat treating and allied activities**

(Millions of 2012 dollars)

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	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	37	38	27	20	19	19	18
Indirect Purchases	1,639	1,604	1,311	1,137	1,102	1,087	1,087
Total:	1,676	1,641	1,338	1,158	1,121	1,106	1,105

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**159 Metal valves**

(Millions of 2012 dollars)

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	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	78	90	92	76	75	70	69
Indirect Purchases	2,114	2,250	1,889	1,774	1,643	1,648	1,650
Total:	2,193	2,340	1,980	1,851	1,718	1,719	1,719

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**160 Ball and roller bearings**

(Millions of 2012 dollars)

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	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	22	28	41	28	26	19	17
Indirect Purchases	436	440	365	317	306	298	298
Total:	458	468	406	345	332	318	315

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*Note: Numbers may not add due to rounding*

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**161 Fabricated pipe and pipe fittings**(Millions of 2012 dollars)

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	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	3	5	14	7	6	3	2
Indirect Purchases	241	251	205	177	171	165	162
Total:	244	256	219	184	177	168	164

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**162 Other fabricated metal products**(Millions of 2012 dollars)

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	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	331	330	261	193	187	174	167
Indirect Purchases	891	878	717	618	595	579	576
Total:	1,222	1,208	978	812	782	753	743

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**163 Farm machinery and equipment**(Millions of 2012 dollars)

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	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	5	5	3	2	2	1	1
Indirect Purchases	36	37	31	28	27	26	25
Total:	41	42	34	30	28	27	27

Note: Numbers may not add due to rounding

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**164 Lawn and garden equipment**(Millions of 2012 dollars)

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	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	8	9	5	3	3	3	3
Indirect Purchases	11	11	9	8	8	7	7
Total:	19	20	14	11	11	10	10

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**165 Construction machinery**(Millions of 2012 dollars)

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	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	233	252	221	150	136	116	108
Indirect Purchases	127	143	122	126	102	106	108
Total:	360	395	343	276	238	222	215

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**166 Mining and oil and gas field machinery**(Millions of 2012 dollars)

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	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	3	4	3	3	2	2	2
Indirect Purchases	58	58	47	39	38	37	36
Total:	61	62	50	41	40	39	38

Note: Numbers may not add due to rounding

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**167 Other industrial machinery**

(Millions of 2012 dollars)

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	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	176	185	131	99	94	91	90
Indirect Purchases	157	160	132	115	111	109	108
Total:	333	344	262	214	205	201	198

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**168 Plastics and rubber industry machinery**

(Millions of 2012 dollars)

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	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	8	9	6	5	5	5	4
Indirect Purchases	18	18	15	13	13	12	12
Total:	26	27	21	18	17	17	17

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**169 Semiconductor machinery manufacturing**

(Millions of 2012 dollars)

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	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	6	6	4	3	3	3	3
Indirect Purchases	61	63	53	47	45	44	44
Total:	67	69	57	50	49	48	47

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*Note: Numbers may not add due to rounding*

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**170 Vending, commercial, industrial, and office machinery**

(Millions of 2012 dollars)

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	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	74	76	63	61	70	74	77
Indirect Purchases	65	67	56	50	49	49	48
Total:	138	143	119	110	119	122	125

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**171 Optical instruments and lenses**

(Millions of 2012 dollars)

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	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	1,782	1,809	1,322	961	926	922	897
Indirect Purchases	84	89	70	58	56	56	55
Total:	1,866	1,898	1,392	1,019	982	978	953

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**172 Photographic and photocopying equipment**

(Millions of 2012 dollars)

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	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	66	70	54	46	45	46	46
Indirect Purchases	6	6	5	5	4	4	4
Total:	72	76	59	51	50	50	50

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*Note: Numbers may not add due to rounding*

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**173 Other commercial and service industry machinery**

(Millions of 2012 dollars)

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	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	1,153	1,227	916	725	700	690	682
Indirect Purchases	90	97	77	66	66	65	65
Total:	1,243	1,325	993	792	766	755	746

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**174 Air purification and ventilation equipment**

(Millions of 2012 dollars)

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	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	49	50	37	27	26	24	23
Indirect Purchases	179	181	145	122	117	113	111
Total:	228	232	182	149	142	137	134

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**175 Heating equipment (except warm air furnaces)**

(Millions of 2012 dollars)

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	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	12	9	8	5	5	4	4
Indirect Purchases	170	172	138	115	110	105	103
Total:	183	181	146	121	115	110	108

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*Note: Numbers may not add due to rounding*

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**176 Air conditioning, refrigeration, and warm air heating equipment**

(Millions of 2012 dollars)

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	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	175	184	135	104	101	98	96
Indirect Purchases	930	890	702	573	545	522	519
Total:	1,105	1,073	837	676	645	620	615

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**177 Industrial molds**

(Millions of 2012 dollars)

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	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	5	5	4	3	3	3	3
Indirect Purchases	227	256	207	188	196	200	198
Total:	231	261	210	191	199	203	201

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**178 Metal cutting and forming machine tools**

(Millions of 2012 dollars)

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	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	173	179	122	87	85	82	81
Indirect Purchases	94	94	74	64	62	61	61
Total:	267	273	197	151	147	144	142

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*Note: Numbers may not add due to rounding*

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**179 Special tools, dies, jigs, and fixtures**

(Millions of 2012 dollars)

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	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	5	5	4	3	3	3	3
Indirect Purchases	288	327	263	240	251	256	254
Total:	293	332	267	243	254	259	257

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**180 Cutting tool and machine tool accessories**

(Millions of 2012 dollars)

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	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	14	14	9	7	7	7	7
Indirect Purchases	562	596	488	440	435	435	432
Total:	576	610	497	447	442	442	439

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**181 Rolling mill and other metalworking machinery**

(Millions of 2012 dollars)

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	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	13	13	10	8	8	8	7
Indirect Purchases	9	10	7	6	6	6	6
Total:	22	23	18	14	14	14	13

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*Note: Numbers may not add due to rounding*

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**182 Turbine and turbine generator set units**

(Millions of 2012 dollars)

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	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	265	274	185	132	128	135	146
Indirect Purchases	419	497	436	488	373	403	414
Total:	684	771	622	620	501	538	560

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**183 Speed changers and mechanical power transmission equipment**

(Millions of 2012 dollars)

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	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	227	264	249	240	230	213	199
Indirect Purchases	1,194	1,160	1,008	1,020	903	918	939
Total:	1,421	1,424	1,257	1,259	1,133	1,131	1,138

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**184 Other engine equipment**

(Millions of 2012 dollars)

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	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	7,639	7,452	6,514	6,225	6,641	6,767	6,816
Indirect Purchases	2,920	2,952	2,546	2,643	2,238	2,350	2,424
Total:	10,559	10,405	9,060	8,868	8,879	9,118	9,240

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*Note: Numbers may not add due to rounding*

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**185 Pump and pumping equipment**

(Millions of 2012 dollars)

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	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	104	112	110	88	83	76	73
Indirect Purchases	73	72	56	47	45	44	43
Total:	177	184	167	134	128	119	116

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**186 Air and gas compressors**

(Millions of 2012 dollars)

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	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	38	39	30	23	22	21	21
Indirect Purchases	23	23	18	15	15	15	14
Total:	61	63	48	38	37	36	35

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**187 Material handling equipment**

(Millions of 2012 dollars)

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	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	444	427	293	226	226	226	232
Indirect Purchases	427	418	337	284	267	257	253
Total:	871	845	630	511	493	483	485

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*Note: Numbers may not add due to rounding*

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**188 Power-driven handtool manufacturing**(Millions of 2012 dollars)

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	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	12	12	8	6	6	6	6
Indirect Purchases	7	7	5	4	4	4	4
Total:	19	19	14	10	10	10	10

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**189 Other general purpose machinery**(Millions of 2012 dollars)

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	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	697	719	491	358	347	333	325
Indirect Purchases	397	393	319	272	257	249	246
Total:	1,094	1,112	810	630	604	582	572

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**190 Packaging machinery**(Millions of 2012 dollars)

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	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	2	2	1	1	1	1	1
Indirect Purchases	5	4	3	3	3	3	3
Total:	7	7	5	4	4	4	4

Note: Numbers may not add due to rounding

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**191 Industrial process furnaces and ovens**

(Millions of 2012 dollars)

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	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	15	15	10	7	7	7	7
Indirect Purchases	12	12	10	8	8	8	8
Total:	27	27	20	16	15	15	15

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**192 Fluid power process machinery**

(Millions of 2012 dollars)

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	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	23	22	19	14	13	12	12
Indirect Purchases	857	890	751	715	652	652	656
Total:	880	912	769	729	665	664	668

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**193 Computers**

(Millions of 2012 dollars)

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	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	2,478	2,602	2,146	1,690	1,622	1,631	1,605
Indirect Purchases	211	213	175	141	135	134	133
Total:	2,690	2,815	2,321	1,831	1,758	1,765	1,739

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*Note: Numbers may not add due to rounding*

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**194 Computer storage devices**

(Millions of 2012 dollars)

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	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	263	280	226	194	192	192	191
Indirect Purchases	496	518	426	353	342	340	335
Total:	759	797	652	547	534	533	527

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**195 Computer terminals and other computer peripherals**

(Millions of 2012 dollars)

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	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	551	581	487	424	402	380	362
Indirect Purchases	736	758	627	545	529	524	520
Total:	1,287	1,339	1,114	969	931	904	882

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**196 Telephone apparatus**

(Millions of 2012 dollars)

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	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	650	676	636	549	514	486	460
Indirect Purchases	248	255	208	179	173	172	171
Total:	898	931	844	727	688	657	631

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*Note: Numbers may not add due to rounding*

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**197 Broadcast and wireless communications equipment**

(Millions of 2012 dollars)

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	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	7,805	7,946	7,367	6,570	6,376	6,362	6,287
Indirect Purchases	2,743	2,958	2,567	2,331	2,331	2,324	2,308
Total:	10,547	10,904	9,934	8,900	8,707	8,686	8,595

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**198 Other communications equipment**

(Millions of 2012 dollars)

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	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	2,960	3,103	2,590	2,213	2,228	2,245	2,227
Indirect Purchases	150	154	122	103	99	97	97
Total:	3,110	3,256	2,712	2,316	2,327	2,342	2,324

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**199 Audio and video equipment**

(Millions of 2012 dollars)

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	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	89	94	76	65	61	61	62
Indirect Purchases	139	121	101	83	81	78	79
Total:	228	215	176	148	142	139	141

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*Note: Numbers may not add due to rounding*

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**200 Semiconductors and electron tubes**

(Millions of 2012 dollars)

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	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	145	150	136	117	115	111	110
Indirect Purchases	3,494	3,618	3,093	2,759	2,692	2,654	2,634
Total:	3,639	3,768	3,229	2,876	2,808	2,765	2,743

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**201 All other electronic components**

(Millions of 2012 dollars)

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	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	2,550	2,684	2,489	2,333	2,331	2,240	2,195
Indirect Purchases	3,985	4,123	3,524	3,127	3,061	3,026	3,007
Total:	6,535	6,808	6,013	5,460	5,392	5,266	5,202

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**202 Electromedical and electrotherapeutic apparatus**

(Millions of 2012 dollars)

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	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	70	83	70	53	52	46	49
Indirect Purchases	91	98	85	77	77	77	78
Total:	160	182	155	130	129	123	128

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*Note: Numbers may not add due to rounding*

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**203 Search, detection, and navigation instruments**

(Millions of 2012 dollars)

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	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	12,380	13,002	11,212	9,977	10,277	10,364	10,587
Indirect Purchases	814	916	780	738	686	655	647
Total:	13,195	13,917	11,992	10,715	10,963	11,019	11,234

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**204 Automatic environmental controls**

(Millions of 2012 dollars)

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	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	32	33	29	23	23	23	23
Indirect Purchases	88	88	71	59	56	55	54
Total:	119	122	99	83	80	78	77

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**205 Industrial process variable instruments**

(Millions of 2012 dollars)

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	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	144	150	121	101	101	101	100
Indirect Purchases	149	154	128	112	110	109	109
Total:	294	304	249	212	211	210	209

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*Note: Numbers may not add due to rounding*

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**206 Totalizing fluid meters and counting devices**

(Millions of 2012 dollars)

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	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	28	27	20	13	13	12	12
Indirect Purchases	106	90	73	59	56	54	55
Total:	134	117	92	72	69	65	66

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**207 Electricity and signal testing instruments**

(Millions of 2012 dollars)

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	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	302	334	285	258	272	266	264
Indirect Purchases	141	148	126	111	112	112	112
Total:	443	483	411	370	384	378	376

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**208 Analytical laboratory instruments**

(Millions of 2012 dollars)

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	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	345	355	240	178	172	165	161
Indirect Purchases	219	235	197	177	173	169	166
Total:	564	589	438	355	345	334	327

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*Note: Numbers may not add due to rounding*

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**209 Irradiation apparatus manufacturing**

(Millions of 2012 dollars)

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	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	193	190	145	115	110	103	101
Indirect Purchases	20	23	20	19	18	18	18
Total:	213	213	164	134	128	121	119

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**210 Watch, clock, and other measuring and controlling devices**

(Millions of 2012 dollars)

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	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	491	522	389	301	296	287	284
Indirect Purchases	369	402	338	306	294	277	271
Total:	861	924	727	607	590	565	555

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**211 Software, audio, and video media reproducing**

(Millions of 2012 dollars)

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	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	32	35	28	24	23	23	22
Indirect Purchases	145	150	122	106	103	101	101
Total:	177	185	150	129	126	124	123

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*Note: Numbers may not add due to rounding*

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**212 Magnetic and optical recording media**

(Millions of 2012 dollars)

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	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	14	15	13	11	11	11	11
Indirect Purchases	134	134	109	96	93	92	91
Total:	148	150	122	107	105	103	102

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**213 Electric lamp bulbs and parts**

(Millions of 2012 dollars)

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	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	8	10	10	9	9	8	8
Indirect Purchases	39	36	29	25	23	23	23
Total:	47	46	40	34	32	31	31

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**214 Lighting fixtures**

(Millions of 2012 dollars)

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	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	21	25	27	21	20	18	17
Indirect Purchases	723	723	581	485	459	440	431
Total:	744	747	608	507	479	458	448

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*Note: Numbers may not add due to rounding*

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**215 Small electrical appliances**(Millions of 2012 dollars)

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	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	2	2	2	2	2	2	2
Indirect Purchases	51	52	40	33	31	30	30
Total:	53	54	42	35	33	32	32

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**216 Household cooking appliances**(Millions of 2012 dollars)

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	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	3	3	2	1	1	1	1
Indirect Purchases	14	14	11	9	9	9	9
Total:	17	17	13	11	10	10	10

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**217 Household refrigerators and home freezers**(Millions of 2012 dollars)

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	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	5	6	5	5	4	4	4
Indirect Purchases	4	4	3	3	3	3	3
Total:	10	10	8	7	7	6	6

Note: Numbers may not add due to rounding

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**218 Household laundry equipment**

(Millions of 2012 dollars)

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	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	4	5	4	4	3	3	3
Indirect Purchases	3	3	2	2	2	2	2
Total:	7	8	6	6	5	5	5

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**219 Other major household appliances**

(Millions of 2012 dollars)

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	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	5	5	4	3	3	3	3
Indirect Purchases	25	24	19	15	14	14	13
Total:	30	29	23	19	17	16	16

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**220 Power, distribution, and specialty transformers**

(Millions of 2012 dollars)

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	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	65	70	74	60	55	50	48
Indirect Purchases	337	322	256	201	186	184	189
Total:	402	392	330	262	241	235	237

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*Note: Numbers may not add due to rounding*

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**221 Motors and generators**(Millions of 2012 dollars)

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	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	183	206	206	181	178	170	166
Indirect Purchases	741	752	627	574	547	548	548
Total:	924	958	833	755	725	718	713

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**222 Switchgear and switchboard apparatus**(Millions of 2012 dollars)

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	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	50	54	47	37	35	34	33
Indirect Purchases	347	353	274	229	222	217	215
Total:	396	406	321	266	257	251	248

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**223 Relays and industrial controls**(Millions of 2012 dollars)

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	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	33	34	30	26	25	23	21
Indirect Purchases	543	562	466	423	401	402	403
Total:	576	596	496	449	426	424	424

Note: Numbers may not add due to rounding

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**224 Storage batteries**

(Millions of 2012 dollars)

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	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	17	21	32	20	16	11	9
Indirect Purchases	124	122	99	84	81	79	78
Total:	141	143	131	104	97	90	87

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**225 Primary battery manufacturing**

(Millions of 2012 dollars)

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	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	12	14	16	11	10	8	7
Indirect Purchases	12	12	10	9	9	8	8
Total:	24	26	26	20	18	16	16

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**226 Communication and energy wires and cables**

(Millions of 2012 dollars)

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	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	77	81	80	71	73	74	75
Indirect Purchases	1,128	1,159	952	830	812	794	784
Total:	1,204	1,239	1,032	901	885	868	859

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*Note: Numbers may not add due to rounding*

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**227 Wiring devices**

(Millions of 2012 dollars)

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	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	44	45	44	35	33	32	31
Indirect Purchases	429	434	354	303	293	284	281
Total:	473	480	398	338	326	316	312

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**228 Carbon and graphite and miscellaneous electrical equipment**

(Millions of 2012 dollars)

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	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	406	412	358	312	306	299	299
Indirect Purchases	340	365	305	270	267	259	256
Total:	746	777	663	582	573	559	555

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**229 Automobiles**

(Millions of 2012 dollars)

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	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	2,804	1,447	1,180	690	659	518	645
Indirect Purchases	7	7	5	4	4	4	5
Total:	2,812	1,454	1,186	694	663	522	649

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*Note: Numbers may not add due to rounding*

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**230 Heavy duty trucks**(Millions of 2012 dollars)

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	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	3,125	2,067	1,411	890	858	778	922
Indirect Purchases	91	63	48	31	30	27	30
Total:	3,216	2,129	1,459	921	888	805	952

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**231 Motor vehicle bodies**(Millions of 2012 dollars)

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	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	287	169	153	93	89	71	80
Indirect Purchases	56	34	26	17	16	13	16
Total:	344	203	179	110	104	84	96

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**232 Truck trailer manufacturing**(Millions of 2012 dollars)

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	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	3,145	1,686	1,351	801	764	599	726
Indirect Purchases	10	6	5	3	3	3	3
Total:	3,156	1,692	1,356	805	767	602	730

Note: Numbers may not add due to rounding

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**233 Motor homes, trailers and campers**

(Millions of 2012 dollars)

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	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	116	94	62	39	38	34	35
Indirect Purchases	169	114	90	63	60	53	57
Total:	286	208	153	102	98	87	92

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**234 Motor vehicle parts**

(Millions of 2012 dollars)

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	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	730	528	470	306	288	245	260
Indirect Purchases	6,476	5,241	4,187	3,363	3,246	3,096	3,187
Total:	7,206	5,769	4,657	3,669	3,534	3,341	3,447

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**235 Aircraft**

(Millions of 2012 dollars)

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	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	32,618	37,005	30,174	27,682	27,733	27,178	26,613
Indirect Purchases	184	188	154	138	133	128	126
Total:	32,802	37,193	30,328	27,820	27,866	27,306	26,739

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*Note: Numbers may not add due to rounding*

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**236 Aircraft engines and engine parts**

(Millions of 2012 dollars)

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	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	5,452	6,404	5,612	5,152	5,252	5,069	5,061
Indirect Purchases	4,547	5,096	4,407	4,052	3,969	3,765	3,714
Total:	9,999	11,501	10,019	9,204	9,221	8,834	8,775

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**237 Other aircraft parts and auxiliary equipment**

(Millions of 2012 dollars)

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	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	10,848	13,005	11,008	9,929	10,166	9,860	9,661
Indirect Purchases	3,473	3,855	3,250	2,976	2,869	2,705	2,655
Total:	14,321	16,860	14,258	12,904	13,035	12,565	12,316

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**238 Guided missiles and space vehicles**

(Millions of 2012 dollars)

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	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	10,640	11,669	10,223	9,769	10,168	10,260	10,426
Indirect Purchases	291	313	275	259	264	264	264
Total:	10,931	11,982	10,497	10,028	10,433	10,524	10,690

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*Note: Numbers may not add due to rounding*

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**239 Propulsion units and parts for space vehicles and guided missiles**

(Millions of 2012 dollars)

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	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	1,851	1,900	1,606	1,440	1,470	1,469	1,452
Indirect Purchases	1,502	1,622	1,407	1,319	1,360	1,362	1,366
Total:	3,352	3,522	3,013	2,760	2,830	2,832	2,817

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**240 Railroad rolling stock**

(Millions of 2012 dollars)

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	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	17	17	15	13	12	11	10
Indirect Purchases	105	93	73	63	62	61	60
Total:	122	111	88	76	74	72	70

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**241 Ship building and repairing**

(Millions of 2012 dollars)

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	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	12,940	16,975	15,616	19,434	13,655	15,331	15,892
Indirect Purchases	290	258	207	189	176	181	188
Total:	13,230	17,234	15,823	19,623	13,831	15,512	16,080

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*Note: Numbers may not add due to rounding*

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**242 Boat building**(Millions of 2012 dollars)

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	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	222	186	177	156	152	153	147
Indirect Purchases	36	39	34	39	30	32	33
Total:	258	226	211	195	182	185	180

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**243 Motorcycles, bicycles, and parts**(Millions of 2012 dollars)

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	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	11	7	6	3	3	3	3
Indirect Purchases	12	12	10	8	8	8	8
Total:	24	19	15	12	11	10	11

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**244 Military armored vehicles, tanks, and tank components**(Millions of 2012 dollars)

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	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	6,895	4,185	3,665	2,328	1,918	1,886	2,499
Indirect Purchases	277	176	150	86	65	74	104
Total:	7,172	4,361	3,814	2,415	1,983	1,960	2,603

Note: Numbers may not add due to rounding

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**245 All other transportation equipment**

(Millions of 2012 dollars)

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	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	148	133	100	80	81	77	79
Indirect Purchases	22	21	16	13	12	12	12
Total:	170	153	116	92	93	89	91

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**246 Wood kitchen cabinet and countertops**

(Millions of 2012 dollars)

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	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	0	0	0	0	0	0	0
Indirect Purchases	304	302	246	214	207	204	202
Total:	304	302	246	214	208	204	202

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**247 Household and institutional furniture**

(Millions of 2012 dollars)

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	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	265	289	260	247	220	194	187
Indirect Purchases	101	105	89	77	75	73	73
Total:	365	394	348	323	295	268	260

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*Note: Numbers may not add due to rounding*

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**248 Office furniture (including fixtures)**(Millions of 2012 dollars)

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	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	294	288	252	212	195	185	178
Indirect Purchases	192	192	157	133	125	119	117
Total:	485	480	410	345	320	304	295

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**249 Mattresses, blinds and shades**(Millions of 2012 dollars)

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	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	6	7	6	6	5	5	5
Indirect Purchases	13	15	13	14	11	11	12
Total:	19	22	19	20	16	16	16

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**250 Laboratory apparatus and furniture**(Millions of 2012 dollars)

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	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	41	44	31	24	23	22	22
Indirect Purchases	2	3	2	2	2	2	2
Total:	44	46	34	26	25	24	24

Note: Numbers may not add due to rounding

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**251 Surgical and medical instruments**

(Millions of 2012 dollars)

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	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	321	347	303	227	216	201	195
Indirect Purchases	176	197	169	156	149	149	148
Total:	497	544	471	383	366	349	343

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**252 Surgical appliances and supplies**

(Millions of 2012 dollars)

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	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	345	372	337	217	201	170	157
Indirect Purchases	291	316	266	243	232	230	229
Total:	637	689	603	460	433	400	386

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**253 Dental equipment and supplies**

(Millions of 2012 dollars)

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	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	42	44	31	23	23	22	22
Indirect Purchases	64	73	62	60	58	59	59
Total:	106	117	93	83	81	81	82

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*Note: Numbers may not add due to rounding*

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**254 Ophthalmic goods**(Millions of 2012 dollars)

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	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	772	885	767	747	717	720	721
Indirect Purchases	12	13	11	11	10	10	11
Total:	784	899	778	758	727	731	732

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**255 Dental laboratories**(Millions of 2012 dollars)

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	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	4	4	2	1	1	1	1
Indirect Purchases	111	127	108	105	101	102	103
Total:	115	131	111	106	102	104	104

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**256 Jewelry and silverware**(Millions of 2012 dollars)

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	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	5	5	3	2	2	2	2
Indirect Purchases	21	21	16	14	13	13	13
Total:	26	26	19	16	16	15	15

Note: Numbers may not add due to rounding

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**257 Sporting and athletic goods**

(Millions of 2012 dollars)

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	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	343	360	312	275	273	265	259
Indirect Purchases	29	30	26	22	22	21	21
Total:	372	391	338	298	295	286	280

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**258 Dolls, toys, and games**

(Millions of 2012 dollars)

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	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	7	7	5	4	4	3	3
Indirect Purchases	2	2	2	1	1	1	1
Total:	9	9	7	5	5	5	5

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**259 Office supplies (except paper)**

(Millions of 2012 dollars)

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	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	47	45	35	30	30	30	29
Indirect Purchases	96	97	79	69	67	66	65
Total:	143	142	114	99	96	95	94

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*Note: Numbers may not add due to rounding*

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**260 Sign manufacturing**(Millions of 2012 dollars)

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	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	24	23	17	13	13	13	13
Indirect Purchases	25	26	20	17	16	16	15
Total:	49	48	37	30	29	29	28

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**261 Gasket, packing, and sealing devices**(Millions of 2012 dollars)

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	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	14	16	31	19	17	12	10
Indirect Purchases	346	344	289	258	256	253	252
Total:	360	361	319	277	272	265	262

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**262 Musical instruments**(Millions of 2012 dollars)

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	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	6	7	4	3	3	3	3
Indirect Purchases	7	7	6	5	5	5	5
Total:	13	14	10	8	8	8	8

Note: Numbers may not add due to rounding

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**263 All other miscellaneous manufacturing**

(Millions of 2012 dollars)

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	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	1,066	1,114	939	660	623	562	537
Indirect Purchases	239	244	202	174	168	163	161
Total:	1,306	1,359	1,141	833	791	725	698

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**264 Broom, brush, and mop manufacturing**

(Millions of 2012 dollars)

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	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	3	2	2	1	1	1	1
Indirect Purchases	39	40	32	28	27	26	26
Total:	42	42	34	29	28	28	27

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**265 Wholesale trade**

(Millions of 2012 dollars)

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	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	6,654	7,511	6,950	6,161	5,890	5,768	5,730
Indirect Purchases	18,875	19,009	15,740	13,880	13,316	13,112	13,056
Total:	25,529	26,520	22,689	20,042	19,206	18,880	18,786

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*Note: Numbers may not add due to rounding*

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**266 Retail trade**

(Millions of 2012 dollars)

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	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	2,797	3,122	2,664	2,505	2,414	2,424	2,432
Indirect Purchases	1,911	1,873	1,467	1,219	1,172	1,143	1,132
Total:	4,709	4,995	4,131	3,723	3,587	3,567	3,563

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**267 Air transportation**

(Millions of 2012 dollars)

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	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	16,531	16,025	12,841	11,284	11,095	11,044	10,993
Indirect Purchases	2,494	2,627	2,144	1,915	1,891	1,884	1,874
Total:	19,025	18,652	14,985	13,199	12,986	12,928	12,867

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**268 Rail transportation**

(Millions of 2012 dollars)

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	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	3,279	2,672	2,020	1,684	1,669	1,652	1,642
Indirect Purchases	1,788	1,739	1,397	1,202	1,156	1,133	1,124
Total:	5,067	4,411	3,418	2,886	2,825	2,785	2,766

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*Note: Numbers may not add due to rounding*

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**269 Water transportation**

(Millions of 2012 dollars)

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	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	10,783	8,966	6,920	5,881	5,813	5,767	5,742
Indirect Purchases	420	427	383	352	338	327	323
Total:	11,203	9,392	7,302	6,234	6,151	6,094	6,066

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**270 Truck transportation**

(Millions of 2012 dollars)

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	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	25,635	20,720	15,627	12,999	12,877	12,747	12,667
Indirect Purchases	7,007	6,822	5,519	4,798	4,640	4,551	4,520
Total:	32,642	27,542	21,145	17,797	17,518	17,298	17,187

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**271 Transit and ground passenger transportation**

(Millions of 2012 dollars)

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	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	563	541	414	346	341	338	335
Indirect Purchases	823	849	694	612	589	581	576
Total:	1,386	1,389	1,108	958	930	919	911

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*Note: Numbers may not add due to rounding*

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**272 Pipeline transportation**(Millions of 2012 dollars)

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	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	16	17	9	5	5	4	4
Indirect Purchases	624	619	506	426	412	401	396
Total:	640	636	515	431	416	406	401

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**273 Scenic and sightseeing transportation and support activities for transportation**(Millions of 2012 dollars)

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	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	3,439	3,769	3,062	2,742	2,709	2,701	2,700
Indirect Purchases	5,518	5,111	4,069	3,530	3,461	3,427	3,408
Total:	8,957	8,881	7,131	6,271	6,170	6,128	6,108

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**274 Couriers and messengers**(Millions of 2012 dollars)

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	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	23	24	16	11	11	11	11
Indirect Purchases	4,423	4,087	3,242	2,792	2,728	2,694	2,677
Total:	4,446	4,111	3,258	2,804	2,739	2,705	2,688

Note: Numbers may not add due to rounding

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**275 Warehousing and storage**

(Millions of 2012 dollars)

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	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	6,393	5,195	3,941	3,263	3,228	3,188	3,165
Indirect Purchases	2,543	2,449	1,991	1,749	1,689	1,671	1,665
Total:	8,936	7,644	5,932	5,012	4,917	4,859	4,830

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**276 Newspaper publishers**

(Millions of 2012 dollars)

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	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	4	4	3	3	3	3	3
Indirect Purchases	17	17	14	13	12	12	12
Total:	21	21	17	15	15	15	15

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**277 Periodical publishers**

(Millions of 2012 dollars)

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	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	51	54	41	34	33	33	33
Indirect Purchases	153	157	133	120	115	113	111
Total:	204	212	174	154	148	146	144

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*Note: Numbers may not add due to rounding*

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**278 Book publishers**

(Millions of 2012 dollars)

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	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	107	115	93	82	80	81	82
Indirect Purchases	123	128	106	94	91	89	88
Total:	230	242	198	176	171	171	170

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**279 Directory, mailing list, and other publishers**

(Millions of 2012 dollars)

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	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	43	46	38	34	33	33	33
Indirect Purchases	255	263	212	184	178	175	173
Total:	298	310	250	218	211	208	207

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**280 Software publishers**

(Millions of 2012 dollars)

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	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	1,263	1,351	1,029	842	819	820	813
Indirect Purchases	2,761	2,880	2,460	2,182	2,121	2,126	2,122
Total:	4,024	4,231	3,490	3,023	2,940	2,946	2,935

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Note: Numbers may not add due to rounding

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**281 Motion picture and video industries**

(Millions of 2012 dollars)

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	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	154	170	136	122	118	118	118
Indirect Purchases	1,659	1,711	1,372	1,175	1,143	1,132	1,125
Total:	1,813	1,881	1,507	1,297	1,261	1,250	1,243

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**282 Sound recording industries**

(Millions of 2012 dollars)

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	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	3	3	2	2	2	2	2
Indirect Purchases	110	113	91	79	77	76	75
Total:	113	116	93	81	78	78	77

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**283 Radio and television broadcasting**

(Millions of 2012 dollars)

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	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	18	19	13	10	10	9	9
Indirect Purchases	373	385	309	267	260	257	256
Total:	392	404	321	277	270	267	265

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*Note: Numbers may not add due to rounding*

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**284 Cable and internet**

(Millions of 2012 dollars)

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	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	33	34	25	20	20	20	20
Indirect Purchases	1,031	1,064	856	736	714	706	701
Total:	1,064	1,098	881	756	734	726	721

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**285 Telecommunications**

(Millions of 2012 dollars)

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	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	16,538	17,073	13,625	11,370	11,099	11,057	11,018
Indirect Purchases	10,562	10,812	8,757	7,566	7,329	7,246	7,201
Total:	27,100	27,884	22,382	18,936	18,428	18,303	18,219

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**286 Data processing, hosting and internet service providers**

(Millions of 2012 dollars)

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	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	633	675	507	420	410	411	409
Indirect Purchases	3,751	3,878	3,219	2,879	2,747	2,713	2,695
Total:	4,383	4,553	3,726	3,299	3,157	3,123	3,104

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Note: Numbers may not add due to rounding

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**287 Other information services**

(Millions of 2012 dollars)

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	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	250	274	204	178	178	178	178
Indirect Purchases	297	307	257	229	222	218	215
Total:	547	582	462	408	400	396	393

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**288 Monetary authorities and depository credit intermediation**

(Millions of 2012 dollars)

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	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	0	0	0	0	0	0	0
Indirect Purchases	9,913	10,192	8,385	7,419	7,156	7,058	6,997
Total:	9,913	10,192	8,385	7,419	7,156	7,058	6,997

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**289 Nondepository credit intermediation and related activities**

(Millions of 2012 dollars)

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	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	17	18	14	12	12	12	12
Indirect Purchases	3,563	3,573	2,921	2,572	2,466	2,434	2,419
Total:	3,580	3,591	2,935	2,585	2,477	2,445	2,431

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*Note: Numbers may not add due to rounding*

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**290 Securities, commodity contracts, investments, and related activities**(Millions of 2012 dollars)

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	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	273	279	252	228	222	216	213
Indirect Purchases	9,006	9,093	7,513	6,742	6,415	6,351	6,321
Total:	9,280	9,372	7,765	6,970	6,637	6,566	6,534

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**291 Insurance carriers**(Millions of 2012 dollars)

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	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	5,598	4,762	3,894	3,687	3,692	3,677	3,653
Indirect Purchases	7,434	7,312	5,917	5,200	5,063	4,991	4,947
Total:	13,032	12,074	9,810	8,887	8,755	8,668	8,600

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**292 Insurance agencies, brokerages, and related activities**(Millions of 2012 dollars)

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	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	102	118	104	104	100	101	102
Indirect Purchases	4,142	3,886	3,166	2,858	2,803	2,775	2,754
Total:	4,244	4,004	3,270	2,962	2,903	2,876	2,856

Note: Numbers may not add due to rounding

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**293 Funds, trusts, and other financial vehicles**

(Millions of 2012 dollars)

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	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Indirect Purchases	532	511	419	376	367	362	358
Total:	532	511	419	376	367	362	358

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**294 Real estate**

(Millions of 2012 dollars)

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	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	5,968	6,102	4,709	3,963	3,764	3,646	3,607
Indirect Purchases	18,646	18,922	15,512	13,664	13,208	13,006	12,900
Total:	24,613	25,025	20,221	17,627	16,973	16,653	16,507

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**296 Automotive equipment rental and leasing**

(Millions of 2012 dollars)

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	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	2,731	2,566	2,142	1,743	1,592	1,586	1,602
Indirect Purchases	3,076	3,169	2,611	2,308	2,220	2,186	2,170
Total:	5,807	5,735	4,753	4,050	3,812	3,772	3,772

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*Note: Numbers may not add due to rounding*

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**297 General and consumer goods rental except video tapes and discs**

(Millions of 2012 dollars)

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	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	57	59	35	22	21	20	19
Indirect Purchases	472	476	388	340	328	323	321
Total:	529	535	422	362	349	343	340

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**298 Video tape and disc rental**

(Millions of 2012 dollars)

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	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	0	0	0	0	0	0	0
Indirect Purchases	0	0	0	0	0	0	0
Total:	0	0	0	0	0	0	0

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**299 Commercial and industrial machinery and equipment rental and leasing**

(Millions of 2012 dollars)

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	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	422	449	349	284	272	267	265
Indirect Purchases	3,295	3,293	2,645	2,283	2,214	2,177	2,157
Total:	3,718	3,743	2,993	2,567	2,486	2,444	2,422

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*Note: Numbers may not add due to rounding*

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**300 Lessors of nonfinancial intangible assets**(Millions of 2012 dollars)

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	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	0	0	0	0	0	0	0
Indirect Purchases	5,621	5,811	4,881	4,380	4,150	4,109	4,092
Total:	5,622	5,812	4,881	4,380	4,150	4,109	4,092

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**301 Legal services**(Millions of 2012 dollars)

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	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	23	25	20	17	17	17	17
Indirect Purchases	6,795	6,973	5,780	5,132	4,953	4,876	4,839
Total:	6,817	6,998	5,800	5,150	4,970	4,893	4,856

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**302 Accounting, tax preparation, bookkeeping, and payroll services**(Millions of 2012 dollars)

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	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	280	316	268	254	245	248	249
Indirect Purchases	4,620	4,715	3,857	3,391	3,263	3,218	3,194
Total:	4,901	5,030	4,124	3,645	3,509	3,465	3,443

Note: Numbers may not add due to rounding

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**303 Architectural, engineering, and related services**

(Millions of 2012 dollars)

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	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	44,690	48,332	40,821	36,830	36,068	35,036	34,164
Indirect Purchases	9,788	10,134	8,304	7,229	6,911	6,746	6,659
Total:	54,478	58,466	49,126	44,059	42,979	41,781	40,823

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**304 Specialized design services**

(Millions of 2012 dollars)

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	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	114	121	87	76	61	63	65
Indirect Purchases	2,587	2,745	2,315	2,109	2,049	2,029	2,018
Total:	2,700	2,866	2,402	2,185	2,110	2,093	2,082

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**305 Custom computer programming services**

(Millions of 2012 dollars)

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	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	3,845	4,060	3,026	2,457	2,391	2,327	2,277
Indirect Purchases	716	758	632	554	544	531	526
Total:	4,561	4,818	3,658	3,011	2,935	2,859	2,803

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*Note: Numbers may not add due to rounding*

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**306 Computer systems design services**

(Millions of 2012 dollars)

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	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	5,243	5,275	4,309	3,581	3,475	3,465	3,460
Indirect Purchases	1,128	1,157	960	854	822	811	808
Total:	6,371	6,432	5,270	4,435	4,297	4,276	4,267

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**307 Other computer related services, including facilities management**

(Millions of 2012 dollars)

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	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	8,222	8,911	7,217	6,451	6,346	6,384	6,404
Indirect Purchases	4,119	4,252	3,522	3,119	3,009	2,958	2,932
Total:	12,341	13,163	10,740	9,570	9,355	9,343	9,336

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**308 Management, scientific, and technical consulting services**

(Millions of 2012 dollars)

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	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	9,468	9,990	7,186	5,711	5,658	5,661	5,644
Indirect Purchases	8,170	8,494	7,066	6,352	6,054	5,975	5,928
Total:	17,638	18,484	14,252	12,062	11,711	11,636	11,572

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*Note: Numbers may not add due to rounding*

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**309 Environmental and other technical consulting services**

(Millions of 2012 dollars)

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	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	2,084	2,179	1,566	1,216	1,171	1,155	1,141
Indirect Purchases	1,312	1,368	1,137	1,019	974	960	951
Total:	3,396	3,547	2,703	2,235	2,145	2,114	2,092

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**310 Scientific research and development services**

(Millions of 2012 dollars)

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	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	44,555	45,194	41,794	39,094	37,350	35,883	35,085
Indirect Purchases	4,147	4,354	3,706	3,367	3,211	3,189	3,194
Total:	48,702	49,548	45,500	42,460	40,562	39,072	38,279

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**311 Advertising and related services**

(Millions of 2012 dollars)

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	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	1,478	1,539	1,020	744	723	712	703
Indirect Purchases	10,142	10,456	8,588	7,578	7,385	7,310	7,266
Total:	11,620	11,995	9,607	8,322	8,109	8,022	7,969

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*Note: Numbers may not add due to rounding*

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**312 All other miscellaneous professional, scientific, and technical services**

(Millions of 2012 dollars)

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	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	9,042	9,380	7,305	6,093	5,890	5,692	5,573
Indirect Purchases	4,398	4,562	3,844	3,459	3,309	3,251	3,218
Total:	13,440	13,942	11,149	9,552	9,199	8,942	8,792

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**313 Photographic services**

(Millions of 2012 dollars)

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	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	18	18	13	10	10	10	10
Indirect Purchases	172	179	147	129	125	123	122
Total:	190	197	160	139	135	133	132

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**314 Veterinary services**

(Millions of 2012 dollars)

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	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	16	17	12	9	9	9	9
Indirect Purchases	23	24	21	20	19	18	18
Total:	39	41	33	29	28	27	27

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*Note: Numbers may not add due to rounding*

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**315 Management of companies and enterprises**

(Millions of 2012 dollars)

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	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	0	0	0	0	0	0	0
Indirect Purchases	27,991	28,671	23,963	21,258	20,594	20,258	20,183
Total:	27,991	28,671	23,963	21,258	20,594	20,258	20,183

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**316 Office administrative services**

(Millions of 2012 dollars)

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	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	590	616	431	333	324	323	321
Indirect Purchases	2,533	2,574	2,105	1,860	1,793	1,766	1,749
Total:	3,123	3,189	2,537	2,193	2,117	2,088	2,070

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**317 Facilities support services**

(Millions of 2012 dollars)

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	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	7,234	7,420	4,959	3,581	3,489	3,421	3,372
Indirect Purchases	552	570	473	424	413	409	408
Total:	7,786	7,991	5,432	4,005	3,901	3,830	3,780

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*Note: Numbers may not add due to rounding*

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**318 Business support services**

(Millions of 2012 dollars)

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	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	423	430	305	231	229	217	212
Indirect Purchases	3,091	3,223	2,690	2,424	2,329	2,305	2,292
Total:	3,514	3,653	2,995	2,655	2,558	2,521	2,504

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**319 Investigation and security services**

(Millions of 2012 dollars)

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	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	1,175	1,224	841	636	621	614	610
Indirect Purchases	1,638	1,682	1,389	1,239	1,201	1,187	1,180
Total:	2,813	2,907	2,230	1,875	1,821	1,801	1,790

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**320 Services to buildings and dwellings**

(Millions of 2012 dollars)

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	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	1,436	1,474	1,033	778	764	763	759
Indirect Purchases	4,545	4,594	3,842	3,420	3,289	3,222	3,187
Total:	5,981	6,068	4,875	4,199	4,053	3,985	3,946

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*Note: Numbers may not add due to rounding*

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### 321 Other support services

(Millions of 2012 dollars)

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	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	1,260	1,360	1,030	885	881	900	924
Indirect Purchases	2,138	2,220	1,842	1,648	1,599	1,578	1,566
Total:	3,399	3,580	2,872	2,533	2,480	2,478	2,490

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### 322 Employment services

(Millions of 2012 dollars)

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	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	295	308	207	153	150	147	145
Indirect Purchases	9,746	9,850	8,046	7,097	6,882	6,781	6,719
Total:	10,041	10,157	8,254	7,250	7,031	6,928	6,865

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### 323 Travel arrangement and reservation services

(Millions of 2012 dollars)

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	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	32	33	21	15	14	14	14
Indirect Purchases	1,186	1,176	960	851	823	814	808
Total:	1,218	1,209	981	866	837	828	822

Note: Numbers may not add due to rounding

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**324 Waste management and remediation services**

(Millions of 2012 dollars)

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	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	4,293	4,445	2,770	1,853	1,787	1,728	1,684
Indirect Purchases	2,462	2,464	1,912	1,617	1,552	1,527	1,514
Total:	6,755	6,909	4,682	3,470	3,339	3,255	3,198

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**325 Elementary and secondary schools**

(Millions of 2012 dollars)

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	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	36	42	37	37	36	36	37
Indirect Purchases	5	6	5	4	5	5	5
Total:	42	48	42	42	40	41	41

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**326 Junior colleges, colleges, universities, and professional schools**

(Millions of 2012 dollars)

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	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	3,069	3,256	2,632	2,327	2,172	2,075	2,007
Indirect Purchases	130	138	113	100	98	97	97
Total:	3,199	3,394	2,745	2,427	2,269	2,172	2,104

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*Note: Numbers may not add due to rounding*

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**327 Other educational services**

(Millions of 2012 dollars)

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	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	3,209	3,341	2,389	1,885	1,857	1,836	1,822
Indirect Purchases	85	89	71	61	60	59	59
Total:	3,294	3,430	2,460	1,946	1,917	1,895	1,881

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**328 Offices of physicians, dentists, and other health practitioners**

(Millions of 2012 dollars)

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	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	13,189	15,112	12,915	12,492	12,038	12,207	12,292
Indirect Purchases	8	12	11	11	11	13	18
Total:	13,197	15,124	12,926	12,503	12,049	12,220	12,310

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**329 Medical and diagnostic labs and outpatient and other ambulatory care services**

(Millions of 2012 dollars)

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	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	1,936	2,159	1,743	1,599	1,545	1,558	1,563
Indirect Purchases	378	430	363	347	335	339	342
Total:	2,314	2,589	2,106	1,946	1,880	1,897	1,905

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*Note: Numbers may not add due to rounding*

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**330 Home health care services**

(Millions of 2012 dollars)

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	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	173	201	177	176	169	172	173
Indirect Purchases	0	0	0	0	0	0	0
Total:	173	201	177	176	169	172	174

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**331 Hospitals**

(Millions of 2012 dollars)

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	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	1,978	2,268	1,976	1,928	1,860	1,882	1,896
Indirect Purchases	5	6	5	5	5	5	6
Total:	1,982	2,274	1,981	1,932	1,864	1,887	1,902

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**332 Nursing and residential care facilities**

(Millions of 2012 dollars)

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	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	305	355	313	312	300	305	307
Indirect Purchases	1	1	1	1	1	1	1
Total:	306	356	315	313	301	306	309

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*Note: Numbers may not add due to rounding*

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**333 Social assistance, except child day care services**

(Millions of 2012 dollars)

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	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	436	462	337	277	264	254	247
Indirect Purchases	7	9	7	6	6	6	6
Total:	444	470	344	283	270	261	254

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**334 Child day care services**

(Millions of 2012 dollars)

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	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	1	1	2	1	1	1	0
Indirect Purchases	7	8	6	6	6	6	6
Total:	9	10	8	7	6	6	6

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**335 Performing arts**

(Millions of 2012 dollars)

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	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	19	20	14	11	11	10	10
Indirect Purchases	1,324	1,356	1,103	964	932	920	913
Total:	1,344	1,376	1,117	975	943	930	923

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*Note: Numbers may not add due to rounding*

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**336 Museums, historical sites, zoos, and parks**

(Millions of 2012 dollars)

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	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	7	7	5	3	3	3	3
Indirect Purchases	0	0	0	0	0	0	0
Total:	7	8	5	4	3	3	3

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**337 Spectator sports**

(Millions of 2012 dollars)

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	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	4	4	3	2	2	2	2
Indirect Purchases	599	620	501	437	423	418	415
Total:	603	624	504	439	425	420	417

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**338 Amusements, gambling, & recreation activities**

(Millions of 2012 dollars)

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	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	16	16	12	9	8	8	8
Indirect Purchases	311	324	266	236	226	224	222
Total:	327	340	277	244	235	232	230

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*Note: Numbers may not add due to rounding*

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**339 Hotels and other accommodations**

(Millions of 2012 dollars)

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	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	5,917	5,637	4,386	3,720	3,673	3,635	3,605
Indirect Purchases	2,842	2,983	2,449	2,179	2,110	2,090	2,074
Total:	8,759	8,620	6,835	5,898	5,783	5,726	5,679

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**340 Food services and drinking places**

(Millions of 2012 dollars)

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	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	4,489	4,430	3,386	2,833	2,784	2,761	2,742
Indirect Purchases	6,432	6,640	5,456	4,829	4,663	4,597	4,556
Total:	10,920	11,071	8,842	7,663	7,447	7,358	7,298

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**341 Automotive repair, maintenance and car washes**

(Millions of 2012 dollars)

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	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	1,016	835	569	350	331	314	330
Indirect Purchases	2,161	2,163	1,757	1,529	1,464	1,438	1,425
Total:	3,177	2,998	2,325	1,879	1,795	1,751	1,755

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*Note: Numbers may not add due to rounding*

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**342 Electronic and precision equipment repair and maintenance**

(Millions of 2012 dollars)

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	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	2,376	2,594	2,148	1,972	1,977	1,945	1,923
Indirect Purchases	1,147	1,174	970	856	824	808	800
Total:	3,524	3,768	3,118	2,829	2,801	2,753	2,723

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**343 Commercial and industrial machinery and equipment repair and maintenance**

(Millions of 2012 dollars)

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	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	1,528	1,654	1,330	1,124	1,012	1,017	1,037
Indirect Purchases	1,951	1,989	1,626	1,420	1,358	1,332	1,320
Total:	3,479	3,643	2,956	2,544	2,370	2,349	2,357

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**344 Personal and household goods repair and maintenance**

(Millions of 2012 dollars)

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	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	30	33	27	24	23	23	23
Indirect Purchases	967	974	773	660	636	624	618
Total:	997	1,006	800	684	659	647	641

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*Note: Numbers may not add due to rounding*

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**345 Personal care services**

(Millions of 2012 dollars)

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	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	7	7	4	2	2	2	2
Indirect Purchases	2	3	2	2	2	2	2
Total:	9	10	6	4	4	4	4

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**346 Death care services**

(Millions of 2012 dollars)

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	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	2	3	2	1	1	1	1
Indirect Purchases	1	1	1	1	1	1	1
Total:	3	3	2	2	2	2	2

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**347 Dry-cleaning and laundry services**

(Millions of 2012 dollars)

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	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	131	134	91	67	65	64	64
Indirect Purchases	369	376	308	279	261	261	260
Total:	500	511	398	346	326	325	324

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*Note: Numbers may not add due to rounding*

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**348 Other personal services**

(Millions of 2012 dollars)

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	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	50	52	39	32	32	32	32
Indirect Purchases	356	371	308	271	262	257	254
Total:	406	422	347	303	294	289	286

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**349 Religious, grantmaking, civic & professional organizations**

(Millions of 2012 dollars)

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	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	68	70	52	42	41	41	40
Indirect Purchases	1,503	1,543	1,281	1,134	1,088	1,068	1,058
Total:	1,571	1,614	1,332	1,176	1,129	1,109	1,098

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**351 Postal service**

(Millions of 2012 dollars)

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	2010	2011	2012	2013	2014	2015	2016
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	2,819	2,832	2,295	1,893	1,852	1,830	1,821
Indirect Purchases	3,221	3,055	2,437	2,110	2,060	2,035	2,022
Total:	6,040	5,887	4,733	4,002	3,912	3,865	3,842

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*Note: Numbers may not add due to rounding*

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**352 Other federal government enterprises**

(Millions of 2012 dollars)

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	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Indirect Purchases	86	86	71	62	59	59	58
Total:	86	86	71	62	59	59	58

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**353 Other state and local government enterprises**

(Millions of 2012 dollars)

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	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Indirect Purchases	542	552	450	393	378	372	369
Total:	542	552	450	393	378	372	369

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**354 General Federal defense government services**

(Millions of 2012 dollars)

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	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
<b>SUMMARY OF DEFENSE PURCHASES</b>							
Direct Purchases	169,280	167,814	168,740	179,921	185,702	186,919	186,137
Indirect Purchases	78	114	132	136	152	184	256
Total:	169,359	167,928	168,872	180,057	185,853	187,104	186,392

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*Note: Numbers may not add due to rounding*