FOR RELEASE AT 8:30 AM EDT, TUESDAY, OCTOBER 27, 2020

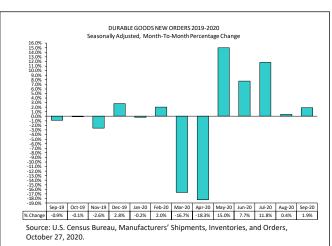
MONTHLY ADVANCE REPORT ON DURABLE GOODS MANUFACTURERS' SHIPMENTS, INVENTORIES AND ORDERS SEPTEMBER 2020

Release Number: CB 20-157 M3-1 (20)-09

Statement Regarding COVID-19 Impact: The Census Bureau continues to monitor response and data quality and has determined that estimates in this release meet publication standards. For more information, see < <u>M3 COVID-19 FAQs</u>>.

OCTOBER 27, 2020 — The U.S. Census Bureau announces the September advance report on durable goods manufacturers' shipments, inventories and orders:





New Orders

New orders for manufactured durable goods in September increased \$4.3 billion or 1.9 percent to \$237.1 billion, the U.S. Census Bureau announced today. This increase, up five consecutive months, followed a 0.4 percent August increase. Excluding transportation, new orders increased 0.8 percent. Excluding defense, new orders increased 3.4 percent. Transportation equipment, up four of the last five months, led the increase, \$3.0 billion or 4.1 percent to \$76.8 billion.

Data Inquiries

Economic Indicators Division, Shipments, Inventories, and Orders Branch (M3) 301-763-4832

eid.m3.qs@census.gov

Media Inquiries
Public Information Office
301-763-3030
pio@census.gov



Shipments

Shipments of manufactured durable goods in September, up four of the last five months, increased \$0.7 billion or 0.3 percent to \$245.0 billion. This followed a 0.3 percent August decrease. Transportation equipment, also up four of the last five months, led the increase, \$0.4 billion or 0.5 percent to \$82.0 billion.

Unfilled Orders

Unfilled orders for manufactured durable goods in September, down six of the last seven months, decreased \$2.6 billion or 0.2 percent to \$1,075.7 billion. This followed a 0.6 percent August decrease. Transportation equipment, down seven consecutive months, drove the decrease, \$5.2 billion or 0.7 percent to \$722.0 billion.

Inventories

Inventories of manufactured durable goods in September, up following three consecutive monthly decreases, increased \$1.6 billion or 0.4 percent to \$422.1 billion. This followed a 0.1 percent August decrease. Transportation equipment, up twenty-four of the last twenty-five months, led the increase, \$1.0 billion or 0.7 percent to \$147.9 billion.

Capital Goods

Nondefense new orders for capital goods in September increased \$6.6 billion or 10.4 percent to \$69.7 billion. Shipments increased less than \$0.1 billion or 0.1 percent to \$70.2 billion. Unfilled orders decreased \$0.4 billion or 0.1 percent to \$593.5 billion. Inventories increased \$0.7 billion or 0.4 percent to \$193.8 billion. Defense new orders for capital goods in September decreased \$3.0 billion or 22.3 percent to \$10.3 billion. Shipments decreased \$0.1 billion or 0.7 percent to \$12.1 billion. Unfilled orders decreased \$1.8 billion or 1.0 percent to \$179.5 billion. Inventories increased \$0.3 billion or 1.2 percent to \$21.5 billion.

Revised August Data

Revised seasonally adjusted August figures for all manufacturing industries were: new orders, \$469.6 billion (revised from \$470.1 billion); shipments, \$481.1 billion (revised from \$481.3 billion); unfilled orders, \$1,078.3 billion (revised from \$1,078.6 billion) and total inventories, \$686.7 billion (revised from \$686.6 billion).

Revised and more detailed estimates, plus nondurable goods data, will be published on November 3, 2020, at 10:00 a.m. EST. The Advance Report on durable goods for October is scheduled for release on November 25, 2020 at 8:30 a.m. EST. View the full schedule in the Economic Briefing Room:

Data Inquiries

Media Inquiries

Economic Indicators Division, Shipments, Inventories, and Orders Branch (M3) 301-763-4832

Public Information Office 301-763-3030

eid.m3.qs@census.gov

pio@census.gov



<https://www.census.gov/economic-indicators/>. The full text and tables of this release can be found at <www.census.gov/m3>.

EXPLANATORY NOTES

Figures in text are adjusted for seasonality, but not for inflation. Figures on new and unfilled orders exclude data for semiconductor manufacturing.

"Virtually unchanged" indicates that the change is less than 0.05 percent for a percent increase or decrease.

Description of the survey

This report is compiled from results of the U.S. Census Bureau's Manufacturers' Shipments, Inventories, and Orders (M3) survey, which is a voluntary survey authorized by Title 13 of the United States Code. This survey provides statistics on a calendar-month basis for manufacturers' value of shipments, new orders (net of cancellations), end-of-month order backlog (unfilled orders), end-ofmonth total inventory (at current cost or market value), and inventories by stage of fabrication (materials and supplies, work-in-process, and finished goods). Data published from the M3 survey are based on a panel of approximately 5,000 reporting units that represent approximately 3,100 companies and provide an indication of month-to-month change for the Manufacturing Sector. These reporting units may be divisions of diversified large companies, large homogenous companies, or single-unit manufacturers in 92 industry categories, which are combined into 65 publication levels due to the small monthly panel size. The survey methodology assumes that the month-to-month changes of the total operations of the reporting units in the M3 panel effectively represent the month-tomonth movements of all establishments that make up the category. The companies for which shipments data are currently reported or imputed in the M3 survey represent approximately 60 percent of the total value of shipments for manufacturing establishments in the 2017 Economic Census, and these companies include roughly 61 percent of the manufacturing companies with \$500 million or more in shipments in the 2017 Economic Census. The companies for which shipments data are currently reported in the M3 survey represent approximately 51 percent of the total value of shipments for manufacturing establishments in the 2017 Economic Census. Statistics based on the M3 panel differ from the results that would be obtained from a complete enumeration of all manufacturing companies. The M3 panel is not based on a probability sample; therefore, the sampling errors that are normally provided with sample surveys cannot be measured. Nonsampling errors are attributable to many sources. The use of company or divisional reports to estimate the monthly

Data Inquiries

Media Inquiries

Economic Indicators Division, Shipments, Inventories, and Orders Branch (M3) 301-763-4832

Public Information Office 301-763-3030

eid.m3.qs@census.gov

pio@census.gov



change for establishments is one source of nonsampling error. The use of primarily large companies to represent the month-to-month movement of all companies is another potential source. Any corrections will be published in the full report. Corrections received after the full report will be released in the next month's advance report. Any revisions made later than two months will be reflected in the annual benchmark publication. Additional survey documentation can be found on our web site: www.census.gov/manufacturing/m3/how-the-data-are-collected/index.html>.

2021 Release Dates for the M3 Survey

Survey month	Advance Report (8:30 a.m. release time)	Full Report (10:00 a.m. release time)			
Nov-20	Thu 12/24/2020	Wed 1/6/2021			
Dec-20	Wed 1/27/2021	Thu 2/4/2021			
Jan-21	Thu 2/25/2021	Thu 3/4/2021			
Feb-21	Wed 3/24/2021	Mon 4/5/2021			
Mar-21	Mon 4/26/2021	Tue 5/4/2021			
Apr-21	Thu 5/27/2021	Fri 6/4/2021			
May-21	Thu 6/24/2021	Fri 7/2/2021			
Jun-21	Tue 7/27/2021	Tue 8/3/2021			
Jul-21	Wed 8/25/2021	Thu 9/2/2021			
Aug-21	Mon 9/27/2021	Mon 10/4/2021			
Sep-21	Wed 10/27/2021	Wed 11/3/2021			
Oct-21	Wed 11/24/2021	Fri 12/3/2021			
Nov-21	Thu 12/23/2021	Not available at this time			

https://www.whitehouse.gov/wp-content/uploads/2020/09/pfei schedule release dates 2021.pdf

Data Inquiries

Economic Indicators Division, Shipments, Inventories, and Orders Branch (M3) 301-763-4832

eid.m3.qs@census.gov

Media Inquiries
Public Information Office
301-763-3030
pio@census.gov



RESOURCES

API

The Census Bureau's application programming interface (API) lets developers create custom apps to reach new users and makes key demographic, socio-economic and housing statistics more accessible than ever before.

<www.census.gov/developers/>

FRED Mobile App



Receive the latest updates on the nation's key economic indicators by downloading the FRED App < https://fred.stlouisfed.org/fred-mobile/ for both Apple and Android devices. FRED, the signature database of the Federal Reserve Bank of St.

Louis, now incorporates the Census Bureau's 13 economic indicators.

###

Data Inquiries

Economic Indicators Division, Shipments, Inventories, and Orders Branch (M3) 301-763-4832

eid.m3.qs@census.gov



Media Inquiries
Public Information Office
301-763-3030
pio@census.gov

Table 1. Durable Goods Manufacturers' Shipments and New Orders ¹

		84	Seasonally				Not Seasonally A					
Item	Monthly		Percent Change		!	Monthly			Year to Date Percent			
	Sep 2020 ²	Aug 2020 ^r	Jul 2020	Aug - Sep ²	Jul - Aug ^r	Jun - Jul	Sep 2020 ²	Aug 2020 ^r	Sep 2019	2020	2019	Change 2020/2019
DURABLE GOODS												
Total:	244.052	244 254	244 976	0.2	-0.3	7.6	250.005	240 217	256 901	2 000 675	2 240 407	-7.5
Shipments New Orders ⁴	244,953 237,057	244,254 232,744	244,876 231,914	0.3 1.9	0.4	11.8	259,085 248,332	249,317 232,752	256,891 249,437		2,249,497 2,184,973	
							_ :0,00_		5, .5.	2,00 :,020	_, ;,; ;	
Excluding transportation: Shipments	163,000	162,742	161,779	0.2	0.6	3.1	172,369	166,102	168,838	1,436,071	1,468,854	-2.2
New Orders ⁴	160,281	158,966	157,435	0.8	1.0	3.3	167,790	159,155	161,947	1,398,671	1,429,905	
Excluding defense:												
Shipments	231,217	230,391	230,910	0.4	-0.2	8.0	243,903	235,710	241,720	1,956,956	2,125,202	
New Orders ⁴	225,630	218,241	216,266	3.4	0.9	10.5	234,335	220,493	230,125	1,840,121	2,060,034	-10.7
Manufacturing with unfilled orders:												
Shipments New Orders	163,037 160,450	163,440 156,966	162,074 154,253	-0.2 2.2	0.8 1.8	4.0 9.7	172,309 167,520	166,003 154,901	178,549 176,162			
	100,430	130,300	134,233	2.2	1.0	5.7	107,320	134,901	170,102	1,373,247	1,541,527	-10.0
Primary metals: Shipments	18,259	18,348	18,119	-0.5	1.3	1.3	18,547	18,625	19,550	167,204	183,697	-9.0
New Orders	19,259	18,525	18,189	4.0	1.8	1.6	18,978	18,511	18,869		183,115	-9.0
Fabricated metal products:												
Shipments New Orders	30,050 30,830	30,033 30,472	30,187 30,491	0.1 1.2	-0.5 -0.1	3.5 3.8	31,463 31,620	31,336 31,239	32,756 31,397		287,470 289,528	
	30,630	30,472	30,491	1.2	-0.1	5.0	31,020	31,239	31,397	273,033	209,320	-5.5
Machinery: Shipments	30,705	31,045	30,548	-1.1	1.6	2.4	31,528	30,691	32,084	274,691	290,881	-5.6
New Orders	31,244	31,336	30,761	-0.3	1.9	2.8	31,624	30,426	31,655		289,793	
Computers and electronic products ⁴ :												
Shipments	30,274	29,917	29,778	1.2	0.5	4.1	34,008	30,316	31,440	258,774	251,488	
New Orders	25,016	24,864	24,577	0.6	1.2	2.9	28,583	24,022	27,229	215,626	210,732	2.3
Computers and related products:												
Shipments New Orders	1,779 1,800	1,875 1,857	1,860 1,849	-5.1 -3.1	0.8 0.4	9.3 11.3	2,012 2,033	1,886 1,868	2,070 2,108	-	14,793 14,748	
Communications equipment:	_,,,,,	_,,	_,;				_,,,,,	_,,,,,	_,	_5,5_5	_ ',' '	
Shipments	4,247	4,154	4,072	2.2	2.0	8.2	5,215	3,798	4,469	34,468	31,619	9.0
New Orders	4,254	4,197	4,086	1.4	2.7	10.3	5,203	3,752	4,502	34,378	31,733	8.3
Electrical equipment, appliances,												
and components: Shipments	10,472	10,595	10,602	-1.2	-0.1	2.9	11,347	10,934	11,793	95,539	98,477	-3.0
New Orders	10,659	10,879	10,840	-2.0	0.4	5.1	11,414	10,934	11,557		99,388	
Transportation equipment:												
Shipments New Orders	81,953 76,776	81,512	83,097	0.5	-1.9	17.7 35.3	86,716	83,215	88,053 87,400	·	780,643	
	76,776	73,778	74,479	4.1	-0.9	35.3	80,542	73,597	87,490	566,157	755,068	-25.0
Motor vehicles and parts: Shipments	62,301	61,298	64,152	1.6	-4.4	23.7	64,991	63,554	60,709	458,053	546,650	-16.2
New Orders	62,353	•	64,040	1.5	-4.1	21.7	65,150	63,778	60,544	,	545,016	
Nondefense aircraft and parts ⁵ :												
Shipments	4,978	5,271	3,947	-5.6	33.5	-5.6	5,734	4,933	11,306			
New Orders	1,799	-3,248	-5,970	(NA)	(NA)	(NA)	570	-3,820	7,123	-26,764	79,411	-133.7
Defense aircraft and parts: Shipments	3,745	4,095	4,275	-8.5	-4.2	8.0	4,229	4,074	4,965	36,158	41,566	-13.0
New Orders	2,143	3,979	4,616	-46.1	-13.8	75.2	2,701	2,994	7,285	-		
All other durable goods:												
Shipments	43,240	42,804	42,545	1.0	0.6	3.5	45,476	44,200	41,215	367,981	356,841	3.1
New Orders	43,273	42,890	42,577	0.9	0.7	3.7	45,571	44,019	41,240	368,576	357,349	3.1
Capital goods ³ :												
Shipments New Orders	82,251 80,046	82,293 76,434	80,146 72,596	-0.1 4.7	2.7 5.3	2.2 14.4	88,979 85,115	81,166 72,406	90,426 86,587	722,799 654,858	768,904 747,611	-6.0 -12.4
	80,040	70,434	72,330	4./	5.5	14.4	65,115	72,400	80,367	054,050	747,011	-12.4
Nondefense capital goods: Shipments	70,172	70,123	67,900	0.1	3.3	2.5	75,735	69,236	77,344	614,414	661,016	-7.1
New Orders	69,742	63,165	58,475	10.4	8.0	11.0	72,581	60,942	70,766	-	639,471	-15.3
Excluding aircraft:												
Shipments	67,493	67,261	66,255	0.3	1.5	3.0	72,386	66,556	69,732	585,153	594,665	-1.6
New Orders	68,715	68,016	66,585	1.0	2.1	2.6	73,154	66,053	69,098	591,390	594,571	-0.5
Defense capital goods:												
Shipments New Orders	12,079 10,304		12,246 14,121	-0.7 -22.3	-0.6 -6.0	0.6 30.8	13,244 12,534	11,930 11,464	13,082 15,821	•	107,888 108,140	
14C44 OLUCIS	10,304	13,203	14,141	-22.3	-0.0	30.0	12,334	11,404	13,021	113,304	100,140	5.0

 $[\]ensuremath{^{\text{r}}}$ Revised data due to late receipts and concurrent seasonal adjustment.

¹ Estimates of shipments and new orders are for the duration of the period, while estimates of unfilled orders and total inventories are for the end of the period. Not seasonally adjusted estimates of shipments and new orders include adjusted data for non-calendar reporters. Seasonally adjusted estimates include concurrent adjustments for holiday and trading-day differences, where appropriate, as well as seasonal variation, based on the results of the latest annual review of the model parameters. Estimates are not adjusted for price changes.

²Based on advance sample. Estimates of manufacturers' shipments, inventories, and orders are subject to survey error and revision. One major component of survey error is nonsampling error, which includes errors of coverage, response and nonreporting. Since the survey panel is not a probability sample, estimates of sampling error cannot be calculated. For further details on survey design, methodology, and data limitations, see http://www.census.gov/manufacturing/m3.

³ The Capital Goods Industries include Nondefense: small arms and ordnance; farm machinery and equipment; construction machinery; mining, oil, and gas field machinery; industrial machinery; vending, laundry, and other machinery; photographic equipment; metalworking machinery; turbines and generators; other power transmission equipment; pumps and compressors; material handling equipment; all other machinery; electronic computers; computer storage devices; other computer peripheral equipment; communications equipment; search and navigation equipment; electromedical, measuring, and control instruments; electrical equipment; other electrical equipment, appliances, and components; heavy duty trucks; aircraft; railroad rolling stock; ships and boats; office and institutional furniture; and medical equipment and supplies. Defense Capital Goods include: small arms and ordnance, communications equipment, aircraft; missiles, space vehicles, and parts, ships and boats, and search and navigation equipment.

⁴ Estimates and percent changes of shipments and inventories for the semiconductor industry are included in computers and electronic products, and all other applicable aggregate totals. Estimates and percent changes for new orders and unfilled orders exclude semiconductor industry data.

⁵ (NA) - New Orders month-to-month percent change is not provided for Nondefense aircraft and parts because the denominator has a negative value.

Table 2. Durable Goods Manufacturers' Unfilled Orders and Total Inventories ¹

[Estimates are shown in millions of dollars and are based on data from the Manufacturers' Shipments, Inventories, and Orders Survey.]

	Seasonally Adjusted							Not Seasonally Adjusted				
ltem	Monthly			F	Percent Change	9		Percent				
	Sep 2020 ²	Aug 2020 ^r	Jul 2020	Aug - Sep ²	Jul - Aug ^r	Jun - Jul	Sep 2020 ²	Aug 2020 ^r	Sep 2019	Change 2020/ 2019		
DURABLE GOODS												
Total:												
Unfilled Orders ⁴ Total Inventories	1,075,748 422,070	1,078,335 420,478	1,084,809 420,990		-0.6 -0.1	-0.7 -0.8	1,070,072 422,188	1,074,861 423,576	1,142,639 419,563			
Excluding transportation:	252 750	251 160	240.000	0.7	0.4	0.2	251 502	250 117	247.069	1.0		
Unfilled Orders ⁴ Total Inventories	353,758 274,213	351,168 273,585	349,908 274,966		0.4 -0.5	0.2 -1.1	351,502 273,573	350,117 275,560	347,968 282,528	1.0 -3.2		
Excluding defense:												
Unfilled Orders ⁴ Total Inventories	856,494 396,351	856,772 394,993	863,886 395,698			-1.1 -0.8	852,236 396,455	•	ŕ	-8.9 0.5		
Manufacturing with unfilled orders:												
Unfilled Orders Total Inventories	1,075,748 345,213	1,078,335 343,356	1,084,809 343,741	-0.2 0.5		-0.7 -0.8	1,070,072 345,428	1,074,861 346,127	1,142,639 340,576			
Primary metals: Unfilled Orders Total Inventories	31,831 33,525	30,831 33,117	30,654 33,310		0.6 -0.6	0.2 -1.8	30,930 33,345	30,499 33,210		1.9 -6.1		
Fabricated metal products: Unfilled Orders Total Inventories	74,215 51,171	73,435 51,182	72,996 51,434	1.1 0.0	0.6 -0.5	0.4 -2.1	74,223 51,178	74,066 51,393	•	-1.0 -4.7		
Machinery:												
Unfilled Orders Total Inventories	98,067 69,116	97,528 68,982	97,237 69,488	0.6 0.2	0.3 -0.7	0.2 -1.3	97,317 69,493	97,221 69,743	95,974 72,657	1.4 -4.4		
Computers and electronic products ⁴ : Unfilled Orders	118,682	118,631	118,648	0.0	0.0	-0.1	118,371	117,832	117,770	0.5		
Total Inventories	43,628	43,610	43,976			-0.5	43,454	44,168	•			
Computers and related products: Unfilled Orders Total Inventories	1,856 3,907	1,835 3,877	1,853 3,855		-1.0 0.6	-0.6 -1.1	1,856 4,009	1,835 4,005	= -	-4.6 2.2		
Communications equipment: Unfilled Orders Total Inventories	25,616 5,333	25,609 5,263	25,566 5,246			0.1 0.9	25,499 5,274	25,511 5,400	25,552 5,132	-0.2 2.8		
Electrical equipment, appliances,		,	-,				-,	, , , ,	-, -			
and components: Unfilled Orders Total Inventories	22,330 19,678	22,143 19,696	21,859 19,746		1.3 -0.3	1.1 -0.2	22,103 19,369	22,036 19,899	•	6.7 -0.6		
Transportation equipment:		7,22	,			-	7,555	,,,,,	, ,			
Unfilled Orders Total Inventories	721,990 147,857	727,167 146,893	734,901 146,024	-0.7 0.7	-1.1 0.6	-1.2 -0.2	718,570 148,615	724,744 148,016	•	-9.6 8.5		
Motor vehicles and parts: Unfilled Orders Total Inventories	21,212 38,888	21,160 39,055	21,021 39,135	0.2 -0.4	0.7 -0.2	-0.5 -2.5	20,830 39,201	20,671 39,466	20,269 40,264	2.8 -2.6		
Nondefense Aircraft and parts:	30,000	33,033	33,233	0. .	0.1	2.0	33,231	33, 100	.0,20	2.0		
Unfilled Orders Total Inventories	481,300 79,247	484,479 78,381	492,998 77,726		-1.7 0.8	-2.0 1.0		484,946 78,660		-15.6 16.5		
Defense Aircraft and parts: Unfilled Orders Total Inventories	82,360 12,421	83,962 12,431	84,078 12,327		-0.1 0.8	0.4 -1.2	81,148 12,399	ŕ		1.0 2.6		
All other durable goods:												
Unfilled Orders Total Inventories	8,633 57,095	8,600 56,998	8,514 57,012		1.0 0.0	0.4 -0.4	8,558 56,734	8,463 57,147	8,179 57,354	4.6 -1.1		
Capital goods ³ : Unfilled Orders Total Inventories	772,976 215,352	775,181 214,356	781,040 213,905			-1.0 0.0	•	774,196 216,545	= -	-8.8 4.6		
Nondefense capital goods: Unfilled Orders Total Inventories	593,484 193,833	593,914 193,096	600,872 192,838		-1.2 0.1	-1.5 0.0	•	594,758 195,201	678,753 185,317	-12.8 4.8		
Excluding aircraft: Unfilled Orders Total Inventories	219,417 127,303	218,195 127,414	217,440 127,671	0.6 -0.1	0.3 -0.2	0.2 -0.6	218,371 127,435	217,603 129,089	•	2.4 -1.0		
Defense capital goods: Unfilled Orders Total Inventories	179,492 21,519	181,267 21,260	180,168 21,067	-1.0 1.2	0.6 0.9	1.1 -0.4	178,728 21,555		-	7.7 2.6		

 $[\]ensuremath{^{\mathrm{r}}}$ Revised data due to late receipts and concurrent seasonal adjustment.

¹Estimates of shipments and new orders are for the duration of the period, while estimates of unfilled orders and total inventories are for the end of the period. Not seasonally adjusted estimates of shipments and new orders include adjusted data for non-calendar reporters. Seasonally adjusted estimates include concurrent adjustments for holiday and trading-day differences, where appropriate, as well as seasonal variation, based on the results of the latest annual review of the model parameters. Estimates are not adjusted for price changes.

² Based on advance sample. Estimates of manufacturers' shipments, inventories, and orders are subject to survey error and revision. One major component of survey error is nonsampling error, which includes errors of coverage, response and nonreporting. Since the survey panel is not a probability sample, estimates of sampling error cannot be calculated. For further details on survey design, methodology, and data limitations, see http://www.census.gov/manufacturing/m3.

³ The Capital Goods Industries include Nondefense: small arms and ordnance; farm machinery and equipment; construction machinery; mining, oil, and gas field machinery; industrial machinery; vending, laundry, and other machinery; photographic equipment; metalworking machinery; turbines and generators; other power transmission equipment; pumps and compressors; material handling equipment; all other machinery; electronic computers; computer storage devices; other computer peripheral equipment; communications equipment; search and navigation equipment; electromedical, measuring, and control instruments; electrical equipment; other electrical equipment, appliances, and components; heavy duty trucks; aircraft; railroad rolling stock; ships and boats; office and institutional furniture; and medical equipment and supplies. Defense Capital Goods include: small arms and ordnance, communications equipment, aircraft; missiles, space vehicles, and parts, ships and boats, and search and navigation equipment.

⁴ Estimates and percent changes of shipments and inventories for the semiconductor industry are included in computers and electronic products, and all other applicable aggregate totals. Estimates and percent changes for new orders and unfilled orders exclude semiconductor industry data.