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## Advance Report on Durable Goods Manufacturers' Shipments, Inventories and Orders January 2013

### New Orders

New orders for manufactured durable goods in January decreased \$11.8 billion or 5.2 percent to \$217.0 billion, the U.S. Census Bureau announced today. This decrease, down following four consecutive monthly increases, followed a 3.7 percent December increase. Excluding transportation, new orders increased 1.9 percent. Excluding defense, new orders decreased 0.4 percent.

Transportation equipment, down three of the last four months, drove the decrease, \$14.7 billion or 19.8 percent to \$59.7 billion. This was led by defense aircraft and parts, which decreased \$5.1 billion.

### Shipments

Shipments of manufactured durable goods in January, down following four consecutive monthly increases, decreased \$2.7 billion or 1.2 percent to \$226.1 billion. This followed a 0.5 percent December increase.

Transportation equipment, down following two consecutive monthly increases, had the largest decrease, \$1.6 billion or 2.3 percent to \$64.7 billion. This followed a 0.8 percent December increase.

### Unfilled Orders

Unfilled orders for manufactured durable goods in January, down following four consecutive monthly increases, decreased \$2.1 billion or 0.2 percent to \$989.2 billion. This decrease followed a 0.8 percent December increase.

Transportation equipment, also down following four

consecutive monthly increases, drove the decrease, \$5.0 billion or 0.9 percent to \$582.8 billion.

### Inventories

Inventories of manufactured durable goods in January, up fifteen of the last sixteen months, increased \$0.7 billion or 0.2 percent to \$374.8 billion. This increase followed a 0.1 percent December decrease.

Transportation equipment, up thirty consecutive months, drove the increase, \$1.1 billion or 0.9 percent to \$115.8 billion.

### Capital Goods

Nondefense new orders for capital goods in January decreased \$0.1 billion or 0.1 percent to \$72.2 billion. Shipments decreased \$1.2 billion or 1.7 percent to \$70.5 billion. Unfilled orders increased \$1.6 billion or 0.3 percent to \$586.2 billion. Inventories increased \$1.5 billion or 0.9 percent to \$174.1 billion.

Defense new orders for capital goods in January decreased \$11.3 billion or 69.5 percent to \$4.9 billion. Shipments decreased \$1.0 billion or 11.6 percent to \$8.0 billion. Unfilled orders decreased \$3.1 billion or 1.8 percent to \$168.1 billion. Inventories increased \$0.1 billion or 0.2 percent to \$21.5 billion.

### Revised December Data

Revised seasonally adjusted December figures for all manufacturing industries were: new orders, \$483.4 billion (revised from \$484.8 billion); shipments, \$483.4 billion (revised from \$484.9 billion); unfilled orders, \$991.3 billion (revised from \$991.7 billion); and total inventories, \$614.9 billion (revised from \$615.5 billion).

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Figures in text are adjusted for seasonality, but not for inflation. Figures on new and unfilled orders exclude data for semiconductor manufacturing. For data, call (301) 763-4673 or go to <<http://www.census.gov/m3>>.

Revised and more detailed estimates, plus nondurable goods data, will be published on March 6, 2013, at 10:00 a.m. EST. The advance report on durable goods for February is scheduled for release on March 26, 2013, at 8:30 a.m. EDT. See back page for survey description. To receive the latest updates on the Nation's key economic indicators, download the America's Economy app for Apple and Android smartphones and tablets.

Table 1. Durable Goods Manufacturers' Shipments and New Orders <sup>1</sup>

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

Item	Seasonally Adjusted						Not Seasonally Adjusted					
	Monthly			Percent Change			Monthly			Year to Date		
	Jan 2013 <sup>2</sup>	Dec 2012 <sup>1</sup>	Nov 2012	Dec - Jan <sup>2</sup>	Nov - Dec <sup>1</sup>	Oct - Nov	Jan 2013 <sup>2</sup>	Dec 2012 <sup>1</sup>	Jan 2012	2013	2012	Percent Change 2013/2012
<b>DURABLE GOODS</b>												
<b>Total:</b>												
Shipments.....	226,060	228,715	227,497	-1.2	0.5	1.8	206,326	222,575	198,918	206,326	198,918	3.7
New Orders <sup>4</sup> .....	216,981	228,766	220,556	-5.2	3.7	0.6	204,366	239,308	205,318	204,366	205,318	-0.5
<b>Excluding transportation:</b>												
Shipments.....	161,363	162,467	161,788	-0.7	0.4	1.6	149,219	156,398	144,925	149,219	144,925	3.0
New Orders <sup>4</sup> .....	157,292	154,375	152,879	1.9	1.0	1.2	150,271	149,755	144,983	150,271	144,983	3.6
<b>Excluding defense:</b>												
Shipments.....	215,723	217,339	216,496	-0.7	0.4	1.8	197,922	209,789	189,977	197,922	189,977	4.2
New Orders <sup>4</sup> .....	209,655	210,497	209,495	-0.4	0.5	0.5	196,680	215,249	195,828	196,680	195,828	0.4
<b>Manufacturing with unfilled orders:</b>												
Shipments.....	157,737	160,955	160,541	-2.0	0.3	1.7	142,758	159,306	140,498	142,758	140,498	1.6
New Orders.....	155,611	168,420	160,981	-7.6	4.6	-0.1	148,417	182,436	154,453	148,417	154,453	-3.9
<b>Primary metals:</b>												
Shipments.....	28,884	29,898	29,374	-3.4	1.8	4.6	28,378	25,688	28,015	28,378	28,015	1.3
New Orders.....	28,033	29,077	28,650	-3.6	1.5	0.0	28,927	25,640	29,201	28,927	29,201	-0.9
<b>Fabricated metal products:</b>												
Shipments.....	27,687	27,303	27,387	1.4	-0.3	0.4	26,124	24,656	25,707	26,124	25,707	1.6
New Orders.....	29,389	29,084	27,875	1.0	4.3	2.6	28,782	26,122	26,421	28,782	26,421	8.9
<b>Machinery:</b>												
Shipments.....	33,254	33,220	33,645	0.1	-1.3	3.2	29,663	33,839	26,842	29,663	26,842	10.5
New Orders.....	35,323	31,120	31,694	13.5	-1.8	2.3	34,025	30,924	30,871	34,025	30,871	10.2
<b>Computers and electronic products<sup>4</sup>:</b>												
Shipments.....	27,127	28,106	27,795	-3.5	1.1	-0.5	24,685	30,830	25,909	24,685	25,909	-4.7
New Orders.....	20,207	21,343	20,848	-5.3	2.4	0.8	17,608	26,657	19,346	17,608	19,346	-9.0
<b>Computers and related products:</b>												
Shipments.....	2,335	2,755	2,424	-15.2	13.7	2.3	1,665	4,010	2,327	1,665	2,327	-28.4
New Orders.....	2,300	2,721	2,557	-15.5	6.4	5.5	1,630	3,976	2,286	1,630	2,286	-28.7
<b>Communications equipment:</b>												
Shipments.....	3,189	3,131	3,089	1.9	1.4	-6.1	2,550	3,959	2,485	2,550	2,485	2.6
New Orders.....	3,605	3,916	3,657	-7.9	7.1	4.8	2,996	5,088	2,649	2,996	2,649	13.1
<b>Electrical equipment, appliances, and components:</b>												
Shipments.....	10,065	10,017	9,998	0.5	0.2	1.5	9,106	9,564	8,868	9,106	8,868	2.7
New Orders.....	10,038	9,904	10,231	1.4	-3.2	2.7	9,734	9,161	9,621	9,734	9,621	1.2
<b>Transportation equipment:</b>												
Shipments.....	64,697	66,248	65,709	-2.3	0.8	2.4	57,107	66,177	53,993	57,107	53,993	5.8
New Orders.....	59,689	74,391	67,677	-19.8	9.9	-0.7	54,095	89,553	60,335	54,095	60,335	-10.3
<b>Motor vehicles and parts:</b>												
Shipments.....	44,125	44,298	44,239	-0.4	0.1	3.4	41,516	39,550	37,797	41,516	37,797	9.8
New Orders.....	44,080	44,092	44,015	0.0	0.2	3.1	41,617	39,690	37,782	41,617	37,782	10.2
<b>Nondefense aircraft and parts:</b>												
Shipments.....	10,080	10,664	10,529	-5.5	1.3	0.5	7,268	14,091	7,156	7,268	7,156	1.6
New Orders.....	8,158	12,361	12,770	-34.0	-3.2	-12.8	5,045	27,445	13,392	5,045	13,392	-62.3
<b>Defense aircraft and parts:</b>												
Shipments.....	4,247	4,917	4,744	-13.6	3.6	4.8	3,260	5,839	3,857	3,260	3,857	-15.5
New Orders.....	2,903	8,020	5,060	-63.8	58.5	-10.7	3,427	10,438	4,308	3,427	4,308	-20.5
<b>All other durable goods:</b>												
Shipments.....	34,346	33,923	33,589	1.2	1.0	0.2	31,263	31,821	29,584	31,263	29,584	5.7
New Orders.....	34,302	33,847	33,581	1.3	0.8	0.0	31,195	31,251	29,523	31,195	29,523	5.7
<b>Capital goods<sup>3</sup>:</b>												
Shipments.....	78,512	80,741	79,945	-2.8	1.0	1.7	67,836	88,184	66,643	67,836	66,643	1.8
New Orders.....	77,095	88,458	79,047	-12.8	11.9	-1.7	70,905	109,335	79,307	70,905	79,307	-10.6
<b>Nondefense capital goods:</b>												
Shipments.....	70,513	71,696	71,416	-1.7	0.4	1.6	61,251	78,347	59,674	61,251	59,674	2.6
New Orders.....	72,154	72,253	71,229	-0.1	1.4	-2.2	65,609	88,664	71,947	65,609	71,947	-8.8
<b>Excluding aircraft:</b>												
Shipments.....	63,862	64,476	64,459	-1.0	0.0	2.2	57,015	68,246	55,439	57,015	55,439	2.8
New Orders.....	67,678	63,665	63,846	6.3	-0.3	3.3	64,258	66,584	61,141	64,258	61,141	5.1
<b>Defense capital goods:</b>												
Shipments.....	7,999	9,045	8,529	-11.6	6.0	2.3	6,585	9,837	6,969	6,585	6,969	-5.5
New Orders.....	4,941	16,205	7,818	-69.5	107.3	2.8	5,296	20,671	7,360	5,296	7,360	-28.0

<sup>1</sup> Revised data due to late receipts and concurrent seasonal adjustment.<sup>2</sup> 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.<sup>3</sup> 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>.<sup>4</sup> 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.

<sup>5</sup> Estimates of shipments for the semiconductor industry are no longer shown separately. 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.

Table 2. Durable Goods Manufacturers' Unfilled Orders and Total Inventories <sup>1</sup>

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

Item	Seasonally Adjusted						Not Seasonally Adjusted			
	Monthly			Percent Change			Monthly			Percent Change 2013/ 2012
	Jan 2013 <sup>2</sup>	Dec 2012 <sup>r</sup>	Nov 2012	Dec - Jan <sup>2</sup>	Nov - Dec <sup>r</sup>	Oct - Nov	Jan 2013 <sup>2</sup>	Dec 2012 <sup>r</sup>	Jan 2012	
<b><u>DURABLE GOODS</u></b>										
<b>Total:</b>										
Unfilled Orders <sup>4</sup> .....	989,185	991,311	983,846	-0.2	0.8	0.0	995,137	989,478	979,878	1.6
Total Inventories.....	374,783	374,065	374,554	0.2	-0.1	0.1	373,054	363,559	359,164	3.9
<b>Excluding transportation:</b>										
Unfilled Orders <sup>4</sup> .....	406,391	403,509	404,187	0.7	-0.2	-0.4	404,385	395,714	412,870	-2.1
Total Inventories.....	258,934	259,281	259,996	-0.1	-0.3	-0.2	257,893	252,472	253,914	1.6
<b>Excluding defense:</b>										
Unfilled Orders <sup>4</sup> .....	795,373	794,488	793,916	0.1	0.1	0.0	800,056	793,679	789,814	1.3
Total Inventories.....	348,532	347,811	348,249	0.2	-0.1	0.0	346,744	337,486	333,460	4.0
<b>Manufacturing with unfilled orders:</b>										
Unfilled Orders.....	989,185	991,311	983,846	-0.2	0.8	0.0	995,137	989,478	979,878	1.6
Total Inventories.....	304,488	303,699	303,825	0.3	0.0	0.2	302,884	294,718	290,485	4.3
<b>Primary metals:</b>										
Unfilled Orders.....	29,561	30,412	31,233	-2.8	-2.6	-2.3	30,473	29,924	37,188	-18.1
Total Inventories.....	34,713	34,777	34,575	-0.2	0.6	0.1	34,306	34,150	34,524	-0.6
<b>Fabricated metal products:</b>										
Unfilled Orders.....	86,724	85,022	83,241	2.0	2.1	0.6	84,881	82,223	78,085	8.7
Total Inventories.....	45,864	45,960	46,021	-0.2	-0.1	-0.4	45,725	45,073	45,362	0.8
<b>Machinery:</b>										
Unfilled Orders.....	124,050	121,981	124,081	1.7	-1.7	-1.5	123,590	119,228	138,491	-10.8
Total Inventories.....	65,303	66,034	66,503	-1.1	-0.7	-0.5	65,027	63,498	63,341	2.7
<b>Computers and electronic products<sup>4</sup>:</b>										
Unfilled Orders.....	137,856	137,823	137,172	0.0	0.5	0.3	137,784	137,242	131,104	5.1
Total Inventories.....	46,348	46,310	46,538	0.1	-0.5	0.1	46,193	45,045	45,405	1.7
<b>Computers and related products:</b>										
Unfilled Orders.....	1,306	1,341	1,375	-2.6	-2.5	10.7	1,306	1,341	1,115	17.1
Total Inventories.....	3,819	3,702	3,815	3.2	-3.0	-1.6	3,701	3,418	3,963	-6.6
<b>Communications equipment:</b>										
Unfilled Orders.....	35,494	35,078	34,293	1.2	2.3	1.7	35,398	34,952	31,125	13.7
Total Inventories.....	8,305	8,224	8,271	1.0	-0.6	-1.9	8,380	8,067	8,638	-3.0
<b>Electrical equipment, appliances, and components:</b>										
Unfilled Orders.....	20,962	20,989	21,102	-0.1	-0.5	1.1	20,980	20,352	21,481	-2.3
Total Inventories.....	15,697	15,511	15,660	1.2	-1.0	-0.5	15,662	14,895	15,424	1.5
<b>Transportation equipment:</b>										
Unfilled Orders.....	582,794	587,802	579,659	-0.9	1.4	0.3	590,752	593,764	567,008	4.2
Total Inventories.....	115,849	114,784	114,558	0.9	0.2	0.9	115,161	111,087	105,250	9.4
<b>Motor vehicles and parts:</b>										
Unfilled Orders.....	15,549	15,594	15,800	-0.3	-1.3	-1.4	15,935	15,834	17,103	-6.8
Total Inventories.....	25,386	25,607	25,658	-0.9	-0.2	0.4	25,471	24,792	24,974	2.0
<b>Nondefense Aircraft and parts:</b>										
Unfilled Orders.....	409,943	411,865	410,168	-0.5	0.4	0.5	415,995	418,218	391,993	6.1
Total Inventories.....	63,695	62,154	62,080	2.5	0.1	0.4	62,918	59,693	54,550	15.3
<b>Defense Aircraft and parts:</b>										
Unfilled Orders.....	64,922	66,266	63,163	-2.0	4.9	0.5	66,069	65,902	59,807	10.5
Total Inventories.....	13,814	13,816	13,629	0.0	1.4	3.4	13,728	13,659	13,024	5.4
<b>All other durable goods:</b>										
Unfilled Orders.....	7,238	7,282	7,358	-0.6	-1.0	-0.1	6,677	6,745	6,521	2.4
Total Inventories.....	51,009	50,689	50,699	0.6	0.0	0.1	50,980	49,811	49,858	2.3
<b>Capital goods<sup>3</sup>:</b>										
Unfilled Orders.....	754,304	755,721	748,004	-0.2	1.0	-0.1	759,438	756,369	742,110	2.3
Total Inventories.....	195,580	194,048	195,072	0.8	-0.5	0.4	194,119	187,388	182,394	6.4
<b>Nondefense capital goods:</b>										
Unfilled Orders.....	586,182	584,541	583,984	0.3	0.1	0.0	590,477	586,119	576,388	2.4
Total Inventories.....	174,079	172,597	173,578	0.9	-0.6	0.1	172,473	165,961	161,579	6.7
<b>Excluding aircraft:</b>										
Unfilled Orders.....	236,147	232,331	233,142	1.6	-0.3	-0.3	234,975	227,732	239,109	-1.7
Total Inventories.....	120,628	120,667	121,557	0.0	-0.7	-0.1	119,851	116,384	116,266	3.1
<b>Defense capital goods:</b>										
Unfilled Orders.....	168,122	171,180	164,020	-1.8	4.4	-0.4	168,961	170,250	165,722	2.0
Total Inventories.....	21,501	21,451	21,494	0.2	-0.2	2.9	21,646	21,427	20,815	4.0

See footnotes at end of Table 1

## Survey Description

This report is compiled from results of the U.S. Census Bureau's Manufacturers' Shipments, Inventories, and Orders (M3) survey. This survey provides statistics on manufacturers' value of shipments, new orders (net of cancellations), end-of-month order backlog (unfilled orders), end-of-month total inventory (at current cost or market value), and inventories by stage of fabrication (materials and supplies, work-in-process, and finished goods). The M3 includes approximately 4,300 reporting units. Units may be divisions of diversified large companies, large homogenous companies, or single-unit manufacturers in 89 industry categories. Due to the small monthly sample, these 89 categories have been combined into 65 publication levels. The survey methodology assumes that the month-to-month changes of the total operations of those companies in the monthly survey effectively represent the month-to-month movements of all establishments that make up the category. The current coverage levels in the survey show that reported data in the monthly survey represent approximately 60 percent of the shipments estimates at the total manufacturing level. Data published represent manufacturing in a calendar month. The data collection is based on a voluntary survey authorized by Title 13 of the United States Code.

The data presented in this release are based on data obtained from a panel of 4,300 reporting units and provide an indication of the activity within the manufacturing sector. The results differ from what would be obtained from a complete enumeration of all manufacturing companies. In addition, a different panel of 4,300 companies would yield different results. The M3 panel is comprised of companies with \$500 million or more in shipments and a limited number of smaller companies. From a statistical perspective, the panel is not 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 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: <http://www.census.gov/m3>.

## Benchmark Notice

Revised historical data for Manufacturers' Shipments, Inventories, and Orders will be issued on May 17, 2013. These revisions reflect:

- benchmarking the shipments and inventories data to the 2011 Annual Survey of Manufactures (ASM) data, as well as revised ASM benchmarks for prior years;
- incorporating the unfilled orders to shipments ratios obtained from the 2010/2011 Manufacturers' Unfilled Orders Survey by applying these ratios to the respective ASM shipments data, as well as incorporating revised unfilled orders to shipments ratios for prior years;
- adjusting the new orders data to be consistent with the benchmarked shipments and unfilled orders data;
- correcting monthly data for late receipts, reclassifications of reported data, and revisions to previously reported data;
- migrating the data processing environment from a server having a Linux Red Hat 4 operating system that supports SAS<sup>®</sup> 9.1.3 to a server having a Linux Red Hat 5 operating system that supports SAS<sup>®</sup> 9.2; and
- updating the seasonally adjusted data, based on the results of benchmarking and the recent annual review of the seasonal adjustment models.

An accompanying press release will include the revised 2013 January through March data. Please call Jessica Young on (301) 763-4832 with any questions.