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## Production: results for August 2016

**Table A – Key growth rates in the volume of manufacturing production**

	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16
Year-on-year % change, unadjusted	-2,1	3,3	4,2	4,7	-0,3	2,2
Month-on-month % change, seasonally adjusted	-0,6	0,6	1,3	0,7	-1,9	-1,0
3-month % change, seasonally adjusted <sup>1</sup>	0,2	1,2	1,1	2,0	1,3	0,1

<sup>1</sup> Percentage change between the previous 3 months and the 3 months ending in the month indicated.

Manufacturing production increased by 2,2% in August 2016 compared with August 2015. This increase was mainly due to higher production in the following divisions:

- petroleum, chemical products, rubber and plastic products (4,9% and contributing 1,2 percentage points);
- food and beverages (3,1% and contributing 0,8 of a percentage point); and
- motor vehicles, parts and accessories and other transport equipment (8,5% and contributing 0,6 of a percentage point) – see Tables 5 and 6.

Seasonally adjusted manufacturing production decreased by 1,0% in August 2016 compared with July 2016. This followed month-on-month changes of -1,9% in July 2016 and 0,7% in June 2016 – see Table A.

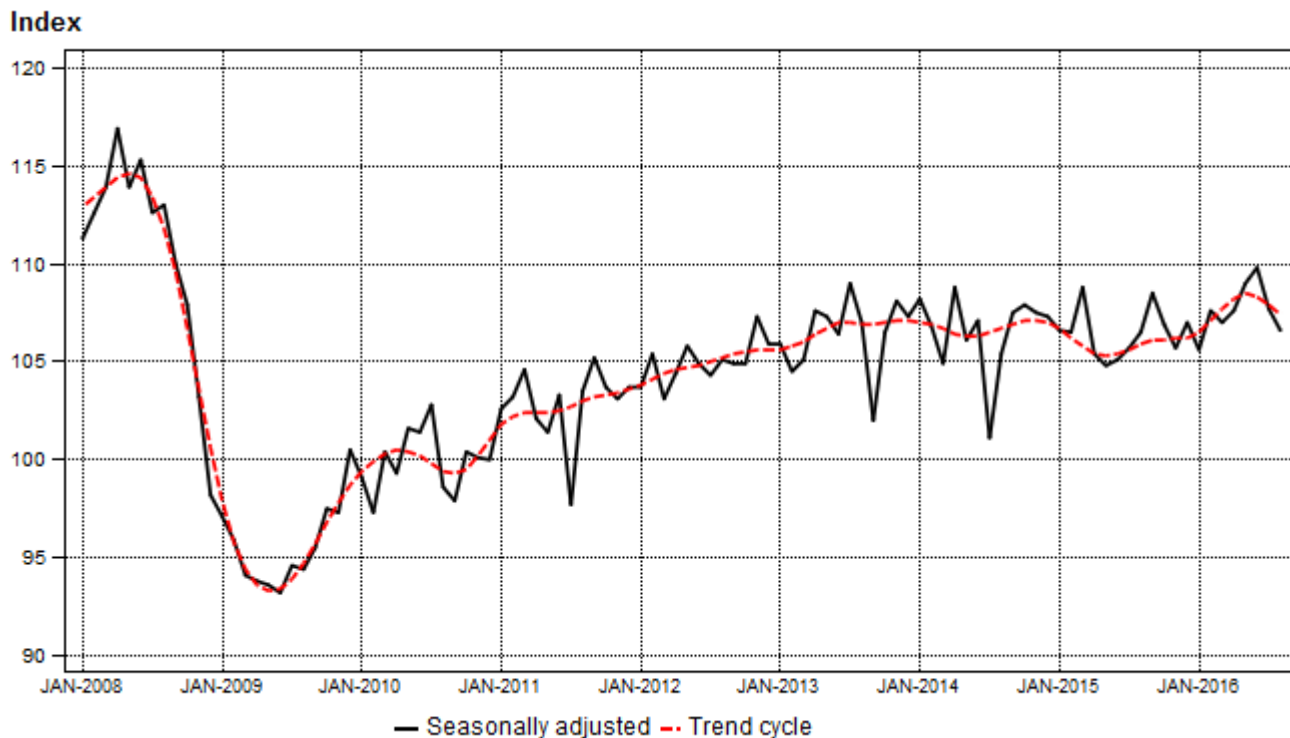
Seasonally adjusted manufacturing production increased by 0,1% in the three months ended August 2016 compared with the previous three months. Five of the ten manufacturing divisions reported positive growth rates over this period.

The main contributor to the 0,1% increase was the petroleum, chemical products, rubber and plastic products division (1,6% and contributing 0,4 of a percentage point).

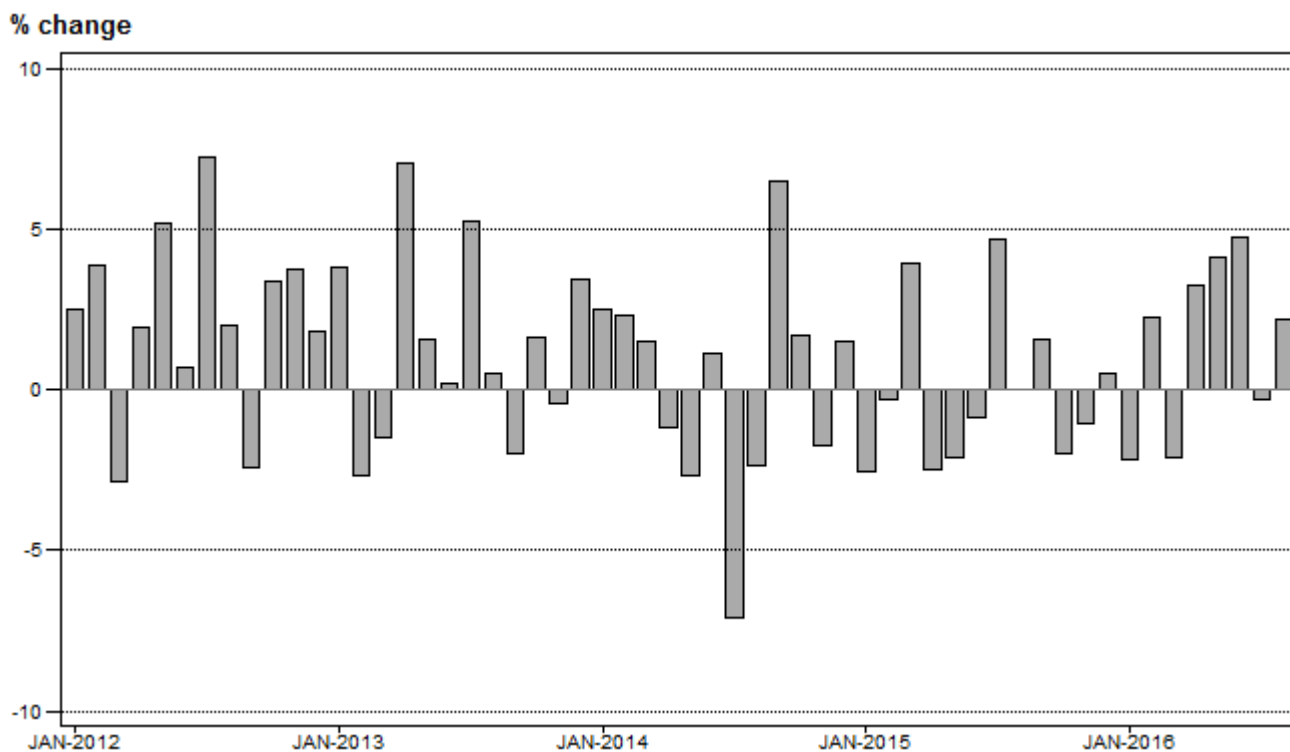
**Table B – Seasonally adjusted manufacturing production for the latest three months by division and major group (Base: 2010=100)**

Manufacturing division and major group	Weight (2013)	Mar – May 2016	Jun – Aug 2016	% change between Mar – May 2016 and Jun – Aug 2016	Contribution (% points) to the total % change
<b>Food and beverages</b>	<b>24,53</b>	<b>113,6</b>	<b>113,8</b>	<b>0,2</b>	<b>0,0</b>
Meat, fish, fruit, etc.	5,99	118,7	119,9	1,0	0,1
Dairy products	1,81	117,4	114,3	-2,6	-0,1
Grain mill products	2,61	105,8	103,3	-2,4	-0,1
Other food products	7,78	104,4	106,4	1,9	0,1
Beverages	6,34	122,3	121,2	-0,9	-0,1
<b>Textiles, clothing, leather and footwear</b>	<b>3,34</b>	<b>94,8</b>	<b>95,7</b>	<b>0,9</b>	<b>0,0</b>
Textiles	0,89	88,1	85,9	-2,5	0,0
Other textile products	0,36	94,5	92,1	-2,5	0,0
Knitted, crocheted articles	0,09	53,1	51,9	-2,3	0,0
Wearing apparel	1,13	93,1	99,6	7,0	0,1
Leather and leather products	0,50	114,4	110,6	-3,3	0,0
Footwear	0,37	99,6	101,8	2,2	0,0
<b>Wood and wood products, paper, publishing and printing</b>	<b>12,62</b>	<b>107,8</b>	<b>106,9</b>	<b>-0,8</b>	<b>-0,1</b>
Sawmilling and planing of wood	1,81	139,8	133,7	-4,4	-0,1
Products of wood	2,47	107,1	104,9	-2,1	-0,1
Paper and paper products	4,96	105,5	104,1	-1,3	-0,1
Publishing	1,55	96,5	102,9	6,6	0,1
Printing, recorded media	1,83	92,9	94,2	1,4	0,0
<b>Petroleum, chemical products, rubber and plastic products</b>	<b>23,58</b>	<b>112,3</b>	<b>114,1</b>	<b>1,6</b>	<b>0,4</b>
Coke, petroleum products and nuclear fuel	9,01	109,7	107,3	-2,2	-0,2
Basic chemicals	4,08	115,6	123,6	6,9	0,3
Other chemical products	6,21	122,7	126,6	3,2	0,2
Rubber products	1,35	101,5	103,6	2,1	0,0
Plastic products	2,93	98,7	100,1	1,4	0,0
<b>Glass and non-metallic mineral products</b>	<b>4,15</b>	<b>97,1</b>	<b>96,0</b>	<b>-1,1</b>	<b>0,0</b>
Glass and glass products	0,83	101,5	93,2	-8,2	-0,1
Non-metallic mineral products	3,32	96,0	96,6	0,6	0,0
<b>Basic iron and steel, non-ferrous metal products, metal products and machinery</b>	<b>18,77</b>	<b>98,1</b>	<b>96,9</b>	<b>-1,2</b>	<b>-0,2</b>
Basic iron and steel products	3,27	92,5	89,0	-3,8	-0,1
Non-ferrous metal products	3,11	93,7	94,0	0,3	0,0
Structural metal products	1,83	77,4	75,2	-2,8	0,0
Other fabricated metal products	3,92	122,1	120,4	-1,4	-0,1
General purpose machinery	2,37	77,0	78,9	2,5	0,0
Special purpose machinery	3,44	107,3	104,9	-2,2	-0,1
Household appliances	0,83	91,3	93,8	2,7	0,0
<b>Electrical machinery</b>	<b>1,67</b>	<b>109,8</b>	<b>101,7</b>	<b>-7,4</b>	<b>-0,1</b>
<b>Radio, television and communication apparatus and professional equipment</b>	<b>1,55</b>	<b>134,6</b>	<b>143,2</b>	<b>6,4</b>	<b>0,1</b>
Radio, television and communication	0,90	154,3	165,5	7,3	0,1
Professional equipment	0,65	107,4	112,4	4,7	0,0
<b>Motor vehicles, parts and accessories and other transport equipment</b>	<b>6,85</b>	<b>114,6</b>	<b>113,7</b>	<b>-0,8</b>	<b>-0,1</b>
Motor vehicles	2,47	144,3	134,9	-6,5	-0,2
Bodies for motor vehicles, trailers and semi-	0,44	109,6	114,1	4,1	0,0
Parts and accessories	2,78	96,3	100,2	4,0	0,1
Other transport equipment	1,16	97,2	101,0	3,9	0,0
<b>Furniture and other manufacturing</b>	<b>2,94</b>	<b>86,5</b>	<b>89,3</b>	<b>3,2</b>	<b>0,1</b>
Furniture	1,06	96,0	101,3	5,5	0,1
Other manufacturing groups	1,88	81,1	82,6	1,8	0,0
<b>Total</b>	<b>100</b>	<b>107,9</b>	<b>108,0</b>	<b>0,1</b>	<b>0,1</b>

**Figure 1 – Volume of manufacturing production (Base: 2010=100)**



**Figure 2 – Volume of manufacturing production (Base: 2010=100): year-on-year percentage change**



**Sales: results for August 2016****Table C – Key growth rates in manufacturing sales at current prices**

	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16
Year-on-year % change, unadjusted	1,5	8,9	9,5	8,6	4,9	9,8
Month-on-month % change, seasonally adjusted	0,2	0,5	3,4	0,0	-0,5	0,4
3-month % change, seasonally adjusted <sup>1</sup>	2,1	2,9	3,3	3,7	3,7	2,2

<sup>1</sup> Percentage change between the previous 3 months and the 3 months ending in the month indicated.

Seasonally adjusted manufacturing sales increased by 0,4% in August 2016 compared with July 2016. This followed month-on-month changes of -0,5% in July 2016 and 0,0% in June 2016 – see Table C.

**Table D – Seasonally adjusted manufacturing sales at current prices for the latest three months by division**

Manufacturing division	Mar – May 2016 (R million)	Jun – Aug 2016 (R million)	% change between Mar – May 2016 and Jun – Aug 2016	Contribution (% points) to the total % change
Food and beverages	119 455	124 004	3,8	0,9
Textiles, clothing, leather and footwear	13 577	13 891	2,3	0,1
Wood and wood products, paper, publishing and printing	37 694	38 566	2,3	0,2
Petroleum, chemical products, rubber and plastic products	105 457	110 165	4,5	0,9
Glass and non-metallic mineral products	14 275	14 166	-0,8	0,0
Basic iron and steel, non-ferrous metal products, metal products and machinery	103 271	103 297	0,0	0,0
Electrical machinery	15 382	14 572	-5,3	-0,2
Radio, television and communication apparatus and professional equipment	6 431	6 800	5,7	0,1
Motor vehicles, parts and accessories and other transport equipment	66 918	68 940	3,0	0,4
Furniture and other manufacturing	17 254	16 360	-5,2	-0,2
<b>Total</b>	<b>499 714</b>	<b>510 761</b>	<b>2,2</b>	<b>2,2</b>

**PJ Lehohla**  
**Statistician-General**

## Tables

**Table 1 – Index of the volume of manufacturing production (Base: 2010=100)**

Month	2010	2011	2012	2013	2014	2015	2016 <sup>1</sup>
Jan	84,5	86,7	88,9	92,3	94,6	92,2	90,2
Feb	92,2	98,4	102,2	99,5	101,8	101,5	103,8
Mar	103,8	109,3	106,2	104,6	106,2	110,4	108,1
Apr	93,4	93,4	95,2	101,9	100,7	98,2	101,4
May	100,6	101,6	106,9	108,6	105,7	103,5	107,8
Jun	102,9	104,2	104,9	105,1	106,3	105,4	110,4
Jul	105,3	98,9	106,1	111,7	103,8	108,7	108,4
Aug	101,6	107,8	110,0	110,6	108,0	108,0	110,4
Sep	102,2	110,4	107,7	105,6	112,5	114,3	
Oct	110,3	112,9	116,7	118,6	120,6	118,2	
Nov	112,2	116,6	121,0	120,5	118,4	117,2	
Dec	91,0	93,5	95,2	98,5	100,0	100,5	
<b>Total</b>	<b>100,0</b>	<b>102,8</b>	<b>105,1</b>	<b>106,5</b>	<b>106,6</b>	<b>106,5</b>	

<sup>1</sup> The latest three months are preliminary.

**Table 2 – Year-on-year percentage change in the volume of manufacturing production**

Month	2011	2012	2013	2014	2015	2016	2016 year-to-date
Jan	2,6	2,5	3,8	2,5	-2,5	-2,2	-2,2
Feb	6,7	3,9	-2,6	2,3	-0,3	2,3	0,2
Mar	5,3	-2,8	-1,5	1,5	4,0	-2,1	-0,7
Apr	0,0	1,9	7,0	-1,2	-2,5	3,3	0,3
May	1,0	5,2	1,6	-2,7	-2,1	4,2	1,1
Jun	1,3	0,7	0,2	1,1	-0,8	4,7	1,7
Jul	-6,1	7,3	5,3	-7,1	4,7	-0,3	1,4
Aug	6,1	2,0	0,5	-2,4	0,0	2,2	1,5
Sep	8,0	-2,4	-1,9	6,5	1,6		
Oct	2,4	3,4	1,6	1,7	-2,0		
Nov	3,9	3,8	-0,4	-1,7	-1,0		
Dec	2,7	1,8	3,5	1,5	0,5		
<b>Total</b>	<b>2,8</b>	<b>2,2</b>	<b>1,3</b>	<b>0,1</b>	<b>-0,1</b>		

**Table 3 – Seasonally adjusted volume of manufacturing production**

Month	Index (Base: 2010=100)				Month-on-month % change			
	2013	2014	2015	2016	2013	2014	2015	2016
Jan	105,9	108,2	106,6	105,6	0,0	0,8	-0,7	-1,3
Feb	104,5	106,8	106,5	107,6	-1,3	-1,3	-0,1	1,9
Mar	105,1	104,9	108,8	107,0	0,6	-1,8	2,2	-0,6
Apr	107,6	108,8	105,4	107,6	2,4	3,7	-3,1	0,6
May	107,3	106,1	104,8	109,0	-0,3	-2,5	-0,6	1,3
Jun	106,4	107,1	105,1	109,8	-0,8	0,9	0,3	0,7
Jul	109,0	101,1	105,7	107,7	2,4	-5,6	0,6	-1,9
Aug	107,0	105,4	106,5	106,6	-1,8	4,3	0,8	-1,0
Sep	102,0	107,5	108,5		-4,7	2,0	1,9	
Oct	106,5	107,9	106,9		4,4	0,4	-1,5	
Nov	108,1	107,5	105,7		1,5	-0,4	-1,1	
Dec	107,3	107,3	107,0		-0,7	-0,2	1,2	

**Table 4 – Index of the volume of manufacturing production by division and major group (Base: 2010=100)**

Manufacturing division and major group	Weight (2013)	Mar-16	Apr-16	May-16	<sup>1</sup> Jun-16	<sup>1</sup> Jul-16	<sup>1</sup> Aug-16
<b>Food and beverages</b>	<b>24,53</b>	<b>109,5</b>	<b>105,3</b>	<b>111,8</b>	<b>113,0</b>	<b>110,5</b>	<b>118,2</b>
Meat, fish, fruit, etc.	5,99	123,0	114,1	123,0	121,4	116,4	122,0
Dairy products	1,81	123,0	111,9	103,0	101,5	108,9	112,3
Grain mill products	2,61	108,3	100,5	108,0	109,3	103,0	105,4
Other food products	7,78	91,2	100,8	106,7	115,8	113,9	124,2
Beverages	6,34	116,0	102,6	111,6	106,6	104,3	114,3
<b>Textiles, clothing, leather and footwear</b>	<b>3,34</b>	<b>96,1</b>	<b>95,5</b>	<b>96,0</b>	<b>95,1</b>	<b>97,7</b>	<b>96,5</b>
Textiles	0,89	95,6	89,0	90,9	88,1	86,4	87,2
Other textile products	0,36	89,5	98,9	99,1	93,5	98,4	89,1
Knitted, crocheted articles	0,09	57,6	58,4	58,1	51,5	56,1	45,7
Wearing apparel	1,13	91,3	90,3	93,8	93,4	108,1	100,8
Leather and leather products	0,50	113,8	120,8	116,5	125,4	91,1	108,6
Footwear	0,37	103,5	98,2	93,1	88,3	111,1	108,9
<b>Wood and wood products, paper, publishing and printing</b>	<b>12,62</b>	<b>110,2</b>	<b>96,2</b>	<b>106,1</b>	<b>109,4</b>	<b>107,9</b>	<b>107,8</b>
Sawmilling and planing of wood	1,81	141,2	136,0	151,6	139,4	141,6	131,9
Products of wood	2,47	110,8	100,9	106,3	109,4	107,7	108,2
Paper and paper products	4,96	113,3	93,1	100,1	109,8	101,2	102,0
Publishing	1,55	89,1	79,1	89,1	96,4	100,9	109,5
Printing, recorded media	1,83	88,1	73,3	91,4	89,5	98,7	97,4
<b>Petroleum, chemical products, rubber and plastic products</b>	<b>23,58</b>	<b>112,2</b>	<b>105,1</b>	<b>111,5</b>	<b>115,2</b>	<b>114,1</b>	<b>113,8</b>
Coke, petroleum products and nuclear fuel	9,01	113,1	107,1	105,6	105,9	110,9	103,0
Basic chemicals	4,08	111,6	101,2	120,3	132,5	118,4	122,9
Other chemical products	6,21	120,2	111,7	122,3	127,9	122,8	130,4
Rubber products	1,35	101,3	100,9	114,3	106,8	108,6	101,8
Plastic products	2,93	98,3	92,6	93,3	96,6	101,8	104,6
<b>Glass and non-metallic mineral products</b>	<b>4,15</b>	<b>92,7</b>	<b>95,1</b>	<b>101,7</b>	<b>103,9</b>	<b>101,5</b>	<b>101,6</b>
Glass and glass products	0,83	86,9	88,2	100,2	100,6	89,1	100,6
Non-metallic mineral products	3,32	94,1	96,8	102,1	104,7	104,6	101,9
<b>Basic iron and steel, non-ferrous metal products, metal products and machinery</b>	<b>18,77</b>	<b>104,9</b>	<b>95,3</b>	<b>99,9</b>	<b>102,0</b>	<b>98,9</b>	<b>97,6</b>
Basic iron and steel products	3,27	94,7	96,3	107,0	97,3	86,7	78,2
Non-ferrous metal products	3,11	98,8	93,5	95,2	96,7	93,6	96,9
Structural metal products	1,83	79,1	70,0	79,1	81,5	74,4	75,4
Other fabricated metal products	3,92	126,1	114,4	124,5	125,0	124,7	128,3
General purpose machinery	2,37	79,1	72,6	76,3	86,8	78,1	83,1
Special purpose machinery	3,44	128,7	104,6	97,2	107,6	115,3	103,4
Household appliances	0,83	99,8	88,9	96,7	97,6	90,8	97,1
<b>Electrical machinery</b>	<b>1,67</b>	<b>125,3</b>	<b>104,7</b>	<b>105,9</b>	<b>113,6</b>	<b>107,4</b>	<b>102,0</b>
<b>Radio, television and communication apparatus and professional equipment</b>	<b>1,55</b>	<b>134,3</b>	<b>115,4</b>	<b>124,3</b>	<b>146,8</b>	<b>139,6</b>	<b>147,1</b>
Radio, television and communication apparatus	0,90	142,8	125,9	139,1	169,9	164,0	171,2
Professional equipment	0,65	122,6	100,8	103,9	114,8	105,9	113,8
<b>Motor vehicles, parts and accessories and other transport equipment</b>	<b>6,85</b>	<b>114,0</b>	<b>113,5</b>	<b>119,1</b>	<b>120,6</b>	<b>116,7</b>	<b>121,8</b>
Motor vehicles	2,47	136,1	145,0	151,2	136,4	143,8	152,2
Bodies for motor vehicles, trailers and semi-trailers	0,44	106,2	109,9	117,0	119,4	119,4	124,3
Parts and accessories	2,78	96,1	98,8	103,6	100,2	106,5	105,7
Other transport equipment	1,16	113,1	83,5	89,1	136,5	82,4	95,0
<b>Furniture and other manufacturing</b>	<b>2,94</b>	<b>71,6</b>	<b>78,4</b>	<b>90,9</b>	<b>89,1</b>	<b>93,4</b>	<b>99,2</b>
Furniture	1,06	82,8	89,6	98,2	97,6	106,6	111,7
Other manufacturing groups	1,88	65,2	72,2	86,8	84,3	86,0	92,2
<b>Total</b>	<b>100</b>	<b>108,1</b>	<b>101,4</b>	<b>107,8</b>	<b>110,4</b>	<b>108,4</b>	<b>110,4</b>

<sup>1</sup> The latest three months are preliminary.



**Table 5 – Year-on-year percentage change in the volume of manufacturing production by division and major group (Base: 2010=100)**

Manufacturing division and major group	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16
<b>Food and beverages</b>	<b>-1,3</b>	<b>0,5</b>	<b>3,4</b>	<b>1,8</b>	<b>-2,4</b>	<b>3,1</b>
Meat, fish, fruit, etc.	-4,1	-1,4	5,2	2,0	-0,3	0,6
Dairy products	11,0	2,6	-1,6	-7,5	-6,1	3,9
Grain mill products	-0,6	2,6	5,7	0,5	-5,0	-3,1
Other food products	-3,2	-0,7	-3,4	1,7	-4,9	5,2
Beverages	0,3	2,3	11,2	5,4	1,6	5,3
<b>Textiles, clothing, leather and footwear</b>	<b>-9,5</b>	<b>0,4</b>	<b>-4,3</b>	<b>3,0</b>	<b>-2,6</b>	<b>-1,6</b>
Textiles	-1,8	4,2	-2,6	6,0	-0,5	3,9
Other textile products	-5,7	14,7	1,5	0,9	0,6	0,5
Knitted, crocheted articles	-4,3	8,6	-7,2	-2,1	-5,4	-12,1
Wearing apparel	-17,5	-7,1	-2,1	3,5	3,7	-3,4
Leather and leather products	-12,1	-0,8	-11,5	-3,2	-21,3	-10,1
Footwear	-1,1	4,1	-7,0	10,9	-0,9	5,8
<b>Wood and wood products, paper, publishing and printing</b>	<b>4,5</b>	<b>3,8</b>	<b>7,0</b>	<b>4,7</b>	<b>-0,6</b>	<b>0,9</b>
Sawmilling and planing of wood	4,5	15,0	14,8	3,2	0,9	6,6
Products of wood	1,7	1,3	4,5	0,5	-5,2	2,9
Paper and paper products	11,1	2,3	5,3	6,5	0,9	-6,9
Publishing	-5,2	-0,1	5,4	8,0	10,0	9,1
Printing, recorded media	-3,0	-1,2	5,2	5,8	-7,5	7,9
<b>Petroleum, chemical products, rubber and plastic products</b>	<b>2,0</b>	<b>8,5</b>	<b>9,0</b>	<b>15,3</b>	<b>8,2</b>	<b>4,9</b>
Coke, petroleum products and nuclear fuel	13,6	20,3	14,8	25,6	20,4	9,5
Basic chemicals	-5,3	0,5	4,0	19,5	-1,1	-0,7
Other chemical products	-0,7	6,9	11,1	12,0	5,8	7,1
Rubber products	-12,1	5,1	3,6	-2,7	-2,5	-4,4
Plastic products	-6,4	-7,9	-1,8	-1,3	0,1	0,3
<b>Glass and non-metallic mineral products</b>	<b>-4,6</b>	<b>0,7</b>	<b>-0,4</b>	<b>2,6</b>	<b>-4,8</b>	<b>0,7</b>
Glass and glass products	4,2	7,7	19,4	19,5	-13,3	2,7
Non-metallic mineral products	-6,5	-0,7	-4,2	-0,9	-2,7	0,3
<b>Basic iron and steel, non-ferrous metal products, metal products and machinery</b>	<b>-8,1</b>	<b>-1,9</b>	<b>0,9</b>	<b>-0,5</b>	<b>-5,0</b>	<b>-2,2</b>
Basic iron and steel products	-6,7	0,2	21,6	20,3	-1,1	2,4
Non-ferrous metal products	-3,8	-7,3	-1,4	-2,8	-5,3	3,2
Structural metal products	-12,5	-4,1	-5,0	-1,7	-16,5	-10,7
Other fabricated metal products	-5,8	1,1	8,9	1,7	-0,6	6,5
General purpose machinery	-7,4	-6,8	-10,7	1,5	-9,7	-9,6
Special purpose machinery	-9,6	4,7	-11,3	-11,4	-2,1	-9,9
Household appliances	-23,2	-16,6	-10,9	-16,2	-20,1	-11,7
<b>Electrical machinery</b>	<b>8,4</b>	<b>16,5</b>	<b>2,4</b>	<b>-3,1</b>	<b>-13,7</b>	<b>-12,5</b>
<b>Radio, television and communication apparatus and professional equipment</b>	<b>3,8</b>	<b>10,5</b>	<b>2,3</b>	<b>11,9</b>	<b>8,4</b>	<b>1,2</b>
Radio, television and communication apparatus	10,3	13,0	11,1	18,0	8,0	-3,8
Professional equipment	-5,2	6,4	-10,8	1,1	9,3	13,2
<b>Motor vehicles, parts and accessories and other transport equipment</b>	<b>-6,4</b>	<b>10,2</b>	<b>3,1</b>	<b>2,4</b>	<b>-4,1</b>	<b>8,5</b>
Motor vehicles	-6,0	15,7	2,3	-6,3	-7,0	7,4
Bodies for motor vehicles, trailers and semi-trailers	-17,4	-8,9	2,7	-5,2	-9,9	5,3
Parts and accessories	-5,2	9,1	6,4	8,2	3,2	16,0
Other transport equipment	-5,2	6,0	-2,1	17,3	-10,5	-3,4
<b>Furniture and other manufacturing</b>	<b>-20,9</b>	<b>-4,0</b>	<b>-0,1</b>	<b>-6,7</b>	<b>2,9</b>	<b>7,1</b>
Furniture	-17,4	-8,9	-3,9	-11,7	-7,1	4,9
Other manufacturing groups	-23,3	-0,1	2,5	-3,3	11,0	8,7
<b>Total</b>	<b>-2,1</b>	<b>3,3</b>	<b>4,2</b>	<b>4,7</b>	<b>-0,3</b>	<b>2,2</b>

**Table 6 – Contribution of each division and major group to the year-on-year percentage change in the volume of manufacturing production (percentage points)**

Manufacturing division and major group	Weight (2013)	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16
<b>Food and beverages</b>	<b>24,53</b>	<b>-0,3</b>	<b>0,1</b>	<b>0,9</b>	<b>0,5</b>	<b>-0,6</b>	<b>0,8</b>
Meat, fish, fruit, etc.	5,99	-0,3	-0,1	0,4	0,1	0,0	0,0
Dairy products	1,81	0,2	0,1	0,0	-0,1	-0,1	0,1
Grain mill products	2,61	0,0	0,1	0,1	0,0	-0,1	-0,1
Other food products	7,78	-0,2	-0,1	-0,3	0,1	-0,4	0,4
Beverages	6,34	0,0	0,1	0,7	0,3	0,1	0,3
<b>Textiles, clothing, leather and footwear</b>	<b>3,34</b>	<b>-0,3</b>	<b>0,0</b>	<b>-0,1</b>	<b>0,1</b>	<b>-0,1</b>	<b>0,0</b>
Textiles	0,89	0,0	0,0	0,0	0,0	0,0	0,0
Other textile products	0,36	0,0	0,0	0,0	0,0	0,0	0,0
Knitted, crocheted articles	0,09	0,0	0,0	0,0	0,0	0,0	0,0
Wearing apparel	1,13	-0,2	-0,1	0,0	0,0	0,0	0,0
Leather and leather products	0,50	-0,1	0,0	-0,1	0,0	-0,1	-0,1
Footwear	0,37	0,0	0,0	0,0	0,0	0,0	0,0
<b>Wood and wood products, paper, publishing and printing</b>	<b>12,62</b>	<b>0,5</b>	<b>0,4</b>	<b>0,8</b>	<b>0,6</b>	<b>-0,1</b>	<b>0,1</b>
Sawmilling and planing of wood	1,81	0,1	0,3	0,3	0,1	0,0	0,1
Products of wood	2,47	0,0	0,0	0,1	0,0	-0,1	0,1
Paper and paper products	4,96	0,5	0,1	0,2	0,3	0,0	-0,3
Publishing	1,55	-0,1	0,0	0,1	0,1	0,1	0,1
Printing, recorded media	1,83	0,0	0,0	0,1	0,1	-0,1	0,1
<b>Petroleum, chemical products, rubber and plastic products</b>	<b>23,58</b>	<b>0,5</b>	<b>2,0</b>	<b>2,1</b>	<b>3,4</b>	<b>1,9</b>	<b>1,2</b>
Coke, petroleum products and nuclear fuel	9,01	1,1	1,7	1,2	1,8	1,6	0,7
Basic chemicals	4,08	-0,2	0,0	0,2	0,8	0,0	0,0
Other chemical products	6,21	-0,1	0,5	0,7	0,8	0,4	0,5
Rubber products	1,35	-0,2	0,1	0,1	0,0	0,0	-0,1
Plastic products	2,93	-0,2	-0,2	0,0	0,0	0,0	0,0
<b>Glass and non-metallic mineral products</b>	<b>4,15</b>	<b>-0,2</b>	<b>0,0</b>	<b>0,0</b>	<b>0,1</b>	<b>-0,2</b>	<b>0,0</b>
Glass and glass products	0,83	0,0	0,1	0,1	0,1	-0,1	0,0
Non-metallic mineral products	3,32	-0,2	0,0	-0,1	0,0	-0,1	0,0
<b>Basic iron and steel, non-ferrous metal products, metal products and machinery</b>	<b>18,77</b>	<b>-1,6</b>	<b>-0,3</b>	<b>0,2</b>	<b>-0,1</b>	<b>-0,9</b>	<b>-0,4</b>
Basic iron and steel products	3,27	-0,2	0,0	0,6	0,5	0,0	0,1
Non-ferrous metal products	3,11	-0,1	-0,2	0,0	-0,1	-0,1	0,1
Structural metal products	1,83	-0,2	-0,1	-0,1	0,0	-0,2	-0,2
Other fabricated metal products	3,92	-0,3	0,1	0,4	0,1	0,0	0,3
General purpose machinery	2,37	-0,1	-0,1	-0,2	0,0	-0,2	-0,2
Special purpose machinery	3,44	-0,4	0,2	-0,4	-0,5	-0,1	-0,4
Household appliances	0,83	-0,2	-0,1	-0,1	-0,1	-0,2	-0,1
<b>Electrical machinery</b>	<b>1,67</b>	<b>0,1</b>	<b>0,3</b>	<b>0,0</b>	<b>-0,1</b>	<b>-0,3</b>	<b>-0,2</b>
<b>Radio, television and communication apparatus and professional equipment</b>	<b>1,55</b>	<b>0,1</b>	<b>0,2</b>	<b>0,0</b>	<b>0,2</b>	<b>0,2</b>	<b>0,0</b>
Radio, television and communication apparatus	0,90	0,1	0,1	0,1	0,2	0,1	-0,1
Professional equipment	0,65	0,0	0,0	-0,1	0,0	0,1	0,1
<b>Motor vehicles, parts and accessories and other transport equipment</b>	<b>6,85</b>	<b>-0,5</b>	<b>0,7</b>	<b>0,2</b>	<b>0,2</b>	<b>-0,3</b>	<b>0,6</b>
Motor vehicles	2,47	-0,2	0,5	0,1	-0,2	-0,2	0,2
Bodies for motor vehicles, trailers and semi-trailers	0,44	-0,1	0,0	0,0	0,0	-0,1	0,0
Parts and accessories	2,78	-0,1	0,2	0,2	0,2	0,1	0,4
Other transport equipment	1,16	-0,1	0,1	0,0	0,2	-0,1	0,0
<b>Furniture and other manufacturing</b>	<b>2,94</b>	<b>-0,5</b>	<b>-0,1</b>	<b>0,0</b>	<b>-0,2</b>	<b>0,1</b>	<b>0,2</b>
Furniture	1,06	-0,2	-0,1	0,0	-0,1	-0,1	0,1
Other manufacturing groups	1,88	-0,3	0,0	0,0	-0,1	0,1	0,1
<b>Total</b>	<b>100</b>	<b>-2,1</b>	<b>3,3</b>	<b>4,2</b>	<b>4,7</b>	<b>-0,3</b>	<b>2,2</b>

**Table 7 – Seasonally adjusted index of the volume of manufacturing production by division and major group (Base: 2010=100)**

Manufacturing division and major group	Weight (2013)	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Month-on-month % change
<b>Food and beverages</b>	<b>24,53</b>	<b>114,6</b>	<b>114,9</b>	<b>113,8</b>	<b>113,9</b>	<b>113,6</b>	<b>-0,3</b>
Meat, fish, fruit, etc.	5,99	117,2	121,8	120,8	120,0	118,8	-1,0
Dairy products	1,81	116,0	113,7	113,4	114,5	115,0	0,4
Grain mill products	2,61	105,1	106,3	104,6	103,5	101,7	-1,7
Other food products	7,78	106,4	104,7	105,7	105,4	108,2	2,7
Beverages	6,34	125,9	124,9	120,9	122,8	119,8	-2,4
<b>Textiles, clothing, leather and footwear</b>	<b>3,34</b>	<b>94,8</b>	<b>95,6</b>	<b>96,8</b>	<b>95,5</b>	<b>94,9</b>	<b>-0,6</b>
Textiles	0,89	87,0	86,6	85,0	86,6	86,1	-0,6
Other textile products	0,36	96,3	95,1	93,5	93,4	89,4	-4,3
Knitted, crocheted articles	0,09	53,2	52,0	52,7	52,9	50,1	-5,3
Wearing apparel	1,13	90,4	96,8	98,5	103,4	96,8	-6,4
Leather and leather products	0,50	121,2	114,3	120,4	98,2	113,2	15,3
Footwear	0,37	100,1	98,9	101,9	101,5	102,0	0,5
<b>Wood and wood products, paper, publishing and printing</b>	<b>12,62</b>	<b>103,9</b>	<b>108,9</b>	<b>108,9</b>	<b>106,0</b>	<b>105,8</b>	<b>-0,2</b>
Sawmilling and planing of wood	1,81	136,9	148,0	133,9	133,3	133,9	0,5
Products of wood	2,47	104,6	107,2	106,4	103,8	104,6	0,8
Paper and paper products	4,96	99,3	104,1	107,1	104,2	100,9	-3,2
Publishing	1,55	95,8	98,5	102,5	102,6	103,5	0,9
Printing, recorded media	1,83	89,6	94,6	98,1	89,5	94,9	6,0
<b>Petroleum, chemical products, rubber and plastic products</b>	<b>23,58</b>	<b>111,8</b>	<b>114,0</b>	<b>117,3</b>	<b>113,4</b>	<b>111,7</b>	<b>-1,5</b>
Coke, petroleum products and nuclear fuel	9,01	110,9	107,5	109,5	107,1	105,4	-1,6
Basic chemicals	4,08	113,4	120,1	135,5	117,3	118,1	0,7
Other chemical products	6,21	121,3	127,4	128,0	127,2	124,5	-2,1
Rubber products	1,35	100,6	108,3	103,3	103,8	103,6	-0,2
Plastic products	2,93	97,3	99,1	99,2	102,2	99,0	-3,1
<b>Glass and non-metallic mineral products</b>	<b>4,15</b>	<b>98,0</b>	<b>98,4</b>	<b>97,9</b>	<b>94,7</b>	<b>95,3</b>	<b>0,6</b>
Glass and glass products	0,83	97,8	107,8	101,7	84,6	93,4	10,4
Non-metallic mineral products	3,32	98,0	96,1	96,9	97,3	95,7	-1,6
<b>Basic iron and steel, non-ferrous metal products, metal products and machinery</b>	<b>18,77</b>	<b>98,0</b>	<b>98,2</b>	<b>99,1</b>	<b>97,0</b>	<b>94,6</b>	<b>-2,5</b>
Basic iron and steel products	3,27	92,2	94,8	95,8	90,1	81,1	-10,0
Non-ferrous metal products	3,11	94,3	93,6	96,6	92,8	92,6	-0,2
Structural metal products	1,83	75,1	78,0	78,1	74,1	73,3	-1,1
Other fabricated metal products	3,92	121,0	123,8	120,8	118,0	122,4	3,7
General purpose machinery	2,37	76,1	75,9	83,4	76,0	77,2	1,6
Special purpose machinery	3,44	109,4	103,5	103,2	110,8	100,8	-9,0
Household appliances	0,83	90,8	93,7	93,3	93,5	94,7	1,3
<b>Electrical machinery</b>	<b>1,67</b>	<b>111,6</b>	<b>105,4</b>	<b>104,9</b>	<b>102,4</b>	<b>97,8</b>	<b>-4,5</b>
<b>Radio, television and communication apparatus and professional equipment</b>	<b>1,55</b>	<b>129,9</b>	<b>136,8</b>	<b>149,2</b>	<b>141,9</b>	<b>138,5</b>	<b>-2,4</b>
Radio, television and communication apparatus	0,90	146,0	159,0	179,2	164,1	153,3	-6,6
Professional equipment	0,65	107,5	106,2	107,8	111,2	118,1	6,2
<b>Motor vehicles, parts and accessories and other transport equipment</b>	<b>6,85</b>	<b>117,1</b>	<b>115,2</b>	<b>116,4</b>	<b>113,2</b>	<b>111,6</b>	<b>-1,4</b>
Motor vehicles	2,47	151,6	145,5	134,1	134,4	136,3	1,4
Bodies for motor vehicles, trailers and semi-trailers	0,44	108,0	111,1	110,9	115,8	115,7	-0,1
Parts and accessories	2,78	95,0	97,8	100,9	102,3	97,3	-4,9
Other transport equipment	1,16	100,4	94,1	117,7	93,3	92,0	-1,4
<b>Furniture and other manufacturing</b>	<b>2,94</b>	<b>85,5</b>	<b>93,0</b>	<b>85,9</b>	<b>89,3</b>	<b>92,6</b>	<b>3,7</b>
Furniture	1,06	98,1	98,4	97,4	101,5	105,0	3,4
Other manufacturing groups	1,88	78,4	89,9	79,6	82,4	85,7	4,0
<b>Total</b>	<b>100</b>	<b>107,6</b>	<b>109,0</b>	<b>109,8</b>	<b>107,7</b>	<b>106,6</b>	<b>-1,0</b>

**Table 8 – Manufacturing sales at current prices (R million)**

Month	2010	2011	2012	2013	2014	2015	2016 <sup>1</sup>
Jan	91 479	97 411	108 491	117 959	131 761	131 002	134 925
Feb	103 635	113 324	127 563	133 672	148 322	145 423	157 533
Mar	117 362	127 991	135 237	139 554	153 523	163 845	166 251
Apr	103 535	109 650	119 115	135 261	145 555	144 372	157 266
May	111 173	119 270	132 208	143 182	150 221	155 084	169 757
Jun	115 608	123 962	132 709	141 053	158 110	159 864	173 552
Jul	114 832	114 767	129 532	148 320	147 886	160 520	168 312
Aug	112 499	126 866	136 533	146 049	158 442	158 603	174 134
Sep	115 236	135 195	133 921	142 416	164 928	169 078	
Oct	123 733	135 976	146 705	158 674	177 895	175 325	
Nov	128 820	141 655	155 603	164 565	173 109	176 362	
Dec	106 438	119 470	125 295	142 129	150 084	153 063	
<b>Total</b>	<b>1 344 350</b>	<b>1 465 537</b>	<b>1 582 912</b>	<b>1 712 834</b>	<b>1 859 836</b>	<b>1 892 541</b>	

<sup>1</sup> The latest three months are preliminary.

**Table 9 – Year-on-year percentage change in manufacturing sales at current prices**

Month	2011	2012	2013	2014	2015	2016	2016 year-to-date
Jan	6,5	11,4	8,7	11,7	-0,6	3,0	3,0
Feb	9,3	12,6	4,8	11,0	-2,0	8,3	5,8
Mar	9,1	5,7	3,2	10,0	6,7	1,5	4,2
Apr	5,9	8,6	13,6	7,6	-0,8	8,9	5,4
May	7,3	10,8	8,3	4,9	3,2	9,5	6,2
Jun	7,2	7,1	6,3	12,1	1,1	8,6	6,6
Jul	-0,1	12,9	14,5	-0,3	8,5	4,9	6,4
Aug	12,8	7,6	7,0	8,5	0,1	9,8	6,8
Sep	17,3	-0,9	6,3	15,8	2,5		
Oct	9,9	7,9	8,2	12,1	-1,4		
Nov	10,0	9,8	5,8	5,2	1,9		
Dec	12,2	4,9	13,4	5,6	2,0		
<b>Total</b>	<b>9,0</b>	<b>8,0</b>	<b>8,2</b>	<b>8,6</b>	<b>1,8</b>		

**Table 10 – Seasonally adjusted manufacturing sales at current prices**

Month	R million				Month-on-month % change			
	2013	2014	2015	2016	2013	2014	2015	2016
Jan	137 656	152 567	154 150	160 405	1,4	0,9	-2,4	0,7
Feb	139 356	155 068	152 126	163 787	1,2	1,6	-1,3	2,1
Mar	139 810	149 954	158 980	164 081	0,3	-3,3	4,5	0,2
Apr	140 646	156 163	154 735	164 982	0,6	4,1	-2,7	0,5
May	141 750	150 429	156 641	170 651	0,8	-3,7	1,2	3,4
Jun	141 189	156 561	157 117	170 596	-0,4	4,1	0,3	0,0
Jul	147 083	146 764	158 566	169 782	4,2	-6,3	0,9	-0,5
Aug	143 627	157 298	158 408	170 383	-2,3	7,2	-0,1	0,4
Sep	137 282	157 484	160 981		-4,4	0,1	1,6	
Oct	143 716	160 457	159 798		4,7	1,9	-0,7	
Nov	147 986	157 954	159 136		3,0	-1,6	-0,4	
Dec	151 277	157 916	159 362		2,2	0,0	0,1	

**Table 11 – Manufacturing sales at current prices by division and major group (R million)**

Manufacturing division and major group	Mar-16	Apr-16	May-16	<sup>1</sup> Jun-16	<sup>1</sup> Jul-16	<sup>1</sup> Aug-16
<b>Food and beverages</b>	<b>39 845</b>	<b>36 923</b>	<b>39 055</b>	<b>40 177</b>	<b>39 499</b>	<b>41 286</b>
Meat, fish, fruit, etc.	11 671	10 482	11 282	11 448	11 407	11 689
Dairy products	3 467	3 197	3 186	3 189	3 250	3 422
Grain mill products	6 856	6 328	7 048	7 069	6 787	6 971
Other food products	7 073	8 188	8 128	8 779	9 177	8 804
Beverages	10 778	8 729	9 411	9 692	8 879	10 399
<b>Textiles, clothing, leather and footwear</b>	<b>4 567</b>	<b>4 545</b>	<b>4 661</b>	<b>4 546</b>	<b>4 702</b>	<b>4 706</b>
Textiles	756	693	736	671	680	693
Other textile products	1 097	1 219	1 236	1 166	1 217	1 130
Knitted, crocheted articles	215	217	225	195	209	177
Wearing apparel	1 457	1 381	1 489	1 453	1 670	1 642
Leather and leather products	593	598	583	634	479	608
Footwear	448	437	391	429	447	456
<b>Wood and wood products, paper, publishing and printing</b>	<b>12 804</b>	<b>11 034</b>	<b>12 096</b>	<b>13 183</b>	<b>12 774</b>	<b>12 973</b>
Sawmilling and planing of wood	724	774	784	676	783	740
Products of wood	1 795	1 655	1 645	1 727	1 649	1 700
Paper and paper products	6 310	5 216	5 633	6 470	5 771	5 805
Publishing	1 596	1 432	1 648	1 835	1 845	2 055
Printing, recorded media	2 379	1 957	2 386	2 474	2 727	2 673
<b>Petroleum, chemical products, rubber and plastic products</b>	<b>34 263</b>	<b>32 894</b>	<b>36 119</b>	<b>36 369</b>	<b>36 390</b>	<b>38 184</b>
Coke, petroleum products and nuclear fuel	10 506	10 516	12 168	11 675	11 905	11 787
Basic chemicals	7 137	6 838	7 220	7 673	7 389	8 296
Other chemical products	10 140	9 208	10 218	10 392	10 111	11 036
Rubber products	1 426	1 426	1 475	1 518	1 476	1 492
Plastic products	5 054	4 906	5 039	5 110	5 508	5 572
<b>Glass and non-metallic mineral products</b>	<b>4 531</b>	<b>4 555</b>	<b>4 935</b>	<b>4 936</b>	<b>4 918</b>	<b>5 111</b>
Glass and glass products	719	719	876	869	837	945
Non-metallic mineral products	3 812	3 837	4 060	4 067	4 081	4 166
<b>Basic iron and steel, non-ferrous metal products, metal products and machinery</b>	<b>34 842</b>	<b>33 389</b>	<b>36 041</b>	<b>37 048</b>	<b>34 019</b>	<b>35 234</b>
Basic iron and steel products	8 875	9 296	10 192	10 590	8 570	8 738
Non-ferrous metal products	8 088	8 192	8 909	8 857	8 073	8 738
Structural metal products	2 791	2 559	2 782	2 890	2 757	2 824
Other fabricated metal products	5 966	5 591	6 102	6 120	6 246	6 451
General purpose machinery	3 017	2 842	2 991	3 452	2 981	3 288
Special purpose machinery	5 040	3 974	4 046	4 077	4 460	4 204
Household appliances	1 064	936	1 019	1 061	932	991
<b>Electrical machinery</b>	<b>6 061</b>	<b>4 706</b>	<b>4 721</b>	<b>5 368</b>	<b>5 022</b>	<b>4 959</b>
<b>Radio, television and communication apparatus and professional equipment</b>	<b>2 117</b>	<b>1 813</b>	<b>2 047</b>	<b>2 358</b>	<b>2 296</b>	<b>2 320</b>
Radio, television and communication apparatus	1 173	1 006	1 165	1 403	1 412	1 374
Professional equipment	944	807	882	954	884	946
<b>Motor vehicles, parts and accessories and other transport equipment</b>	<b>22 175</b>	<b>22 190</b>	<b>23 471</b>	<b>23 925</b>	<b>23 081</b>	<b>23 728</b>
Motor vehicles	11 938	12 147	13 003	12 697	13 195	13 204
Bodies for motor vehicles, trailers and semi-trailers	889	939	998	1 015	1 056	1 048
Parts and accessories	7 059	7 271	7 774	7 404	7 197	7 508
Other transport equipment	2 289	1 832	1 695	2 809	1 633	1 968
<b>Furniture and other manufacturing</b>	<b>5 046</b>	<b>5 216</b>	<b>6 611</b>	<b>5 643</b>	<b>5 611</b>	<b>5 633</b>
Furniture	1 022	1 127	1 214	1 235	1 308	1 391
Other manufacturing groups	4 024	4 089	5 397	4 408	4 304	4 242
<b>Total</b>	<b>166 251</b>	<b>157 266</b>	<b>169 757</b>	<b>173 552</b>	<b>168 312</b>	<b>174 134</b>

<sup>1</sup> The latest three months are preliminary.

**Table 12 – Year-on-year percentage change in manufacturing sales at current prices by division and major group**

Manufacturing division and major group	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16
<b>Food and beverages</b>	<b>11,9</b>	<b>10,8</b>	<b>14,8</b>	<b>15,1</b>	<b>10,1</b>	<b>13,0</b>
Meat, fish, fruit, etc.	10,4	11,7	15,8	13,7	10,7	11,7
Dairy products	9,3	6,9	4,2	4,4	0,4	10,4
Grain mill products	17,0	19,5	25,5	19,5	10,6	16,3
Other food products	11,1	11,4	13,8	21,0	22,1	17,9
Beverages	11,7	5,2	11,3	12,4	2,4	9,4
<b>Textiles, clothing, leather and footwear</b>	<b>-1,3</b>	<b>4,9</b>	<b>5,1</b>	<b>6,9</b>	<b>4,0</b>	<b>5,2</b>
Textiles	9,9	10,4	14,8	7,2	10,9	13,8
Other textile products	-4,7	12,5	4,7	4,6	1,8	3,5
Knitted, crocheted articles	9,7	8,0	8,2	10,8	2,0	-6,3
Wearing apparel	-6,8	-5,8	4,2	14,0	10,8	7,6
Leather and leather products	1,7	3,8	-3,0	-0,8	-16,7	-3,0
Footwear	0,9	15,6	4,8	2,1	4,7	5,8
<b>Wood and wood products, paper, publishing and printing</b>	<b>5,6</b>	<b>5,9</b>	<b>10,7</b>	<b>9,8</b>	<b>4,2</b>	<b>3,6</b>
Sawmilling and planing of wood	11,9	24,4	13,3	-2,6	6,1	19,0
Products of wood	5,9	7,3	5,4	2,3	-2,1	1,6
Paper and paper products	8,8	7,1	11,1	10,8	6,8	-4,3
Publishing	-2,3	1,2	11,5	16,1	12,8	15,5
Printing, recorded media	1,1	-0,8	11,9	12,4	-2,4	12,6
<b>Petroleum, chemical products, rubber and plastic products</b>	<b>-5,3</b>	<b>-3,6</b>	<b>-2,4</b>	<b>0,2</b>	<b>2,1</b>	<b>8,8</b>
Coke, petroleum products and nuclear fuel	-16,9	-19,5	-18,1	-15,6	-6,0	4,4
Basic chemicals	-2,4	1,3	-3,7	6,5	0,6	10,5
Other chemical products	4,7	11,6	17,0	13,6	10,5	12,9
Rubber products	-6,1	12,8	9,0	9,9	3,0	7,3
Plastic products	0,5	2,7	10,2	8,2	8,8	8,1
<b>Glass and non-metallic mineral products</b>	<b>-3,3</b>	<b>6,4</b>	<b>6,2</b>	<b>1,6</b>	<b>-1,7</b>	<b>4,5</b>
Glass and glass products	3,5	2,9	22,9	4,4	0,5	9,4
Non-metallic mineral products	-4,5	7,1	3,2	1,0	-2,1	3,4
<b>Basic iron and steel, non-ferrous metal products, metal products and machinery</b>	<b>-6,3</b>	<b>11,7</b>	<b>8,8</b>	<b>8,4</b>	<b>1,1</b>	<b>9,0</b>
Basic iron and steel products	-20,0	13,3	7,2	12,6	-5,2	-0,4
Non-ferrous metal products	8,9	22,2	25,8	23,9	10,5	27,9
Structural metal products	-13,0	3,5	-5,0	-1,9	-8,5	-3,9
Other fabricated metal products	-3,3	4,7	8,8	5,6	5,6	12,9
General purpose machinery	-1,9	4,0	-3,9	2,3	-2,3	6,6
Special purpose machinery	-0,4	10,2	1,6	-8,5	2,4	4,3
Household appliances	-7,4	11,3	11,7	-0,9	-3,4	5,4
<b>Electrical machinery</b>	<b>17,2</b>	<b>23,2</b>	<b>10,0</b>	<b>1,5</b>	<b>-7,0</b>	<b>-3,8</b>
<b>Radio, television and communication apparatus and professional equipment</b>	<b>5,2</b>	<b>13,9</b>	<b>13,8</b>	<b>21,0</b>	<b>15,7</b>	<b>6,7</b>
Radio, television and communication apparatus	7,3	19,8	23,3	26,9	16,1	-0,9
Professional equipment	2,7	7,2	3,2	13,3	15,1	19,9
<b>Motor vehicles, parts and accessories and other transport equipment</b>	<b>5,0</b>	<b>27,7</b>	<b>19,0</b>	<b>13,8</b>	<b>11,2</b>	<b>18,8</b>
Motor vehicles	4,7	34,8	19,1	9,9	17,1	21,3
Bodies for motor vehicles, trailers and semi-trailers	-11,7	-0,3	10,0	11,1	5,1	9,5
Parts and accessories	9,5	24,1	26,3	17,4	7,5	20,6
Other transport equipment	1,5	17,3	-3,0	25,2	-8,2	3,6
<b>Furniture and other manufacturing</b>	<b>-1,6</b>	<b>-0,2</b>	<b>29,7</b>	<b>10,7</b>	<b>3,1</b>	<b>3,3</b>
Furniture	-12,3	-2,3	-3,0	-2,9	-2,4	13,6
Other manufacturing groups	1,5	0,4	40,3	15,2	5,0	0,3
<b>Total</b>	<b>1,5</b>	<b>8,9</b>	<b>9,5</b>	<b>8,6</b>	<b>4,9</b>	<b>9,8</b>

**Table 13 – Contribution of each division and major group to the year-on-year percentage change in manufacturing sales at current prices (percentage points)**

Manufacturing division and major group	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16
<b>Food and beverages</b>	<b>2,6</b>	<b>2,5</b>	<b>3,2</b>	<b>3,3</b>	<b>2,3</b>	<b>3,0</b>
Meat, fish, fruit, etc.	0,7	0,8	1,0	0,9	0,7	0,8
Dairy products	0,2	0,1	0,1	0,1	0,0	0,2
Grain mill products	0,6	0,7	0,9	0,7	0,4	0,6
Other food products	0,4	0,6	0,6	1,0	1,0	0,8
Beverages	0,7	0,3	0,6	0,7	0,1	0,6
<b>Textiles, clothing, leather and footwear</b>	<b>0,0</b>	<b>0,1</b>	<b>0,1</b>	<b>0,2</b>	<b>0,1</b>	<b>0,1</b>
Textiles	0,0	0,0	0,1	0,0	0,0	0,1
Other textile products	0,0	0,1	0,0	0,0	0,0	0,0
Knitted, crocheted articles	0,0	0,0	0,0	0,0	0,0	0,0
Wearing apparel	-0,1	-0,1	0,0	0,1	0,1	0,1
Leather and leather products	0,0	0,0	0,0	0,0	-0,1	0,0
Footwear	0,0	0,0	0,0	0,0	0,0	0,0
<b>Wood and wood products, paper, publishing and printing</b>	<b>0,4</b>	<b>0,4</b>	<b>0,8</b>	<b>0,7</b>	<b>0,3</b>	<b>0,3</b>
Sawmilling and planing of wood	0,0	0,1	0,1	0,0	0,0	0,1
Products of wood	0,1	0,1	0,1	0,0	0,0	0,0
Paper and paper products	0,3	0,2	0,4	0,4	0,2	-0,2
Publishing	0,0	0,0	0,1	0,2	0,1	0,2
Printing, recorded media	0,0	0,0	0,2	0,2	0,0	0,2
<b>Petroleum, chemical products, rubber and plastic products</b>	<b>-1,2</b>	<b>-0,9</b>	<b>-0,6</b>	<b>0,0</b>	<b>0,5</b>	<b>1,9</b>
Coke, petroleum products and nuclear fuel	-1,3	-1,8	-1,7	-1,3	-0,5	0,3
Basic chemicals	-0,1	0,1	-0,2	0,3	0,0	0,5
Other chemical products	0,3	0,7	1,0	0,8	0,6	0,8
Rubber products	-0,1	0,1	0,1	0,1	0,0	0,1
Plastic products	0,0	0,1	0,3	0,2	0,3	0,3
<b>Glass and non-metallic mineral products</b>	<b>-0,1</b>	<b>0,2</b>	<b>0,2</b>	<b>0,0</b>	<b>-0,1</b>	<b>0,1</b>
Glass and glass products	0,0	0,0	0,1	0,0	0,0	0,1
Non-metallic mineral products	-0,1	0,2	0,1	0,0	-0,1	0,1
<b>Basic iron and steel, non-ferrous metal products, metal products and machinery</b>	<b>-1,4</b>	<b>2,4</b>	<b>1,9</b>	<b>1,8</b>	<b>0,2</b>	<b>1,8</b>
Basic iron and steel products	-1,4	0,8	0,4	0,7	-0,3	0,0
Non-ferrous metal products	0,4	1,0	1,2	1,1	0,5	1,2
Structural metal products	-0,3	0,1	-0,1	0,0	-0,2	-0,1
Other fabricated metal products	-0,1	0,2	0,3	0,2	0,2	0,5
General purpose machinery	0,0	0,1	-0,1	0,0	0,0	0,1
Special purpose machinery	0,0	0,3	0,0	-0,2	0,1	0,1
Household appliances	-0,1	0,1	0,1	0,0	0,0	0,0
<b>Electrical machinery</b>	<b>0,5</b>	<b>0,6</b>	<b>0,3</b>	<b>0,0</b>	<b>-0,2</b>	<b>-0,1</b>
<b>Radio, television and communication apparatus and professional equipment</b>	<b>0,1</b>	<b>0,2</b>	<b>0,2</b>	<b>0,3</b>	<b>0,2</b>	<b>0,1</b>
Radio, television and communication apparatus	0,0	0,1	0,1	0,2	0,1	0,0
Professional equipment	0,0	0,0	0,0	0,1	0,1	0,1
<b>Motor vehicles, parts and accessories and other transport equipment</b>	<b>0,6</b>	<b>3,3</b>	<b>2,4</b>	<b>1,8</b>	<b>1,4</b>	<b>2,4</b>
Motor vehicles	0,3	2,2	1,3	0,7	1,2	1,5
Bodies for motor vehicles, trailers and semi-trailers	-0,1	0,0	0,1	0,1	0,0	0,1
Parts and accessories	0,4	1,0	1,0	0,7	0,3	0,8
Other transport equipment	0,0	0,2	0,0	0,4	-0,1	0,0
<b>Furniture and other manufacturing</b>	<b>-0,1</b>	<b>0,0</b>	<b>1,0</b>	<b>0,3</b>	<b>0,1</b>	<b>0,1</b>
Furniture	-0,1	0,0	0,0	0,0	0,0	0,1
Other manufacturing groups	0,0	0,0	1,0	0,4	0,1	0,0
<b>Total</b>	<b>1,5</b>	<b>8,9</b>	<b>9,5</b>	<b>8,6</b>	<b>4,9</b>	<b>9,8</b>

**Table 14 – Seasonally adjusted manufacturing sales at current prices by division and major group (R million)**

Manufacturing division and major group	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Month-on-month % change
<b>Food and beverages</b>	<b>39 658</b>	<b>40 501</b>	<b>41 483</b>	<b>41 444</b>	<b>41 077</b>	<b>-0,9</b>
Meat, fish, fruit, etc.	11 066	11 310	11 471	11 595	11 475	-1,0
Dairy products	3 289	3 340	3 406	3 360	3 477	3,5
Grain mill products	6 570	6 863	6 784	6 766	6 746	-0,3
Other food products	8 033	8 272	9 009	9 066	8 641	-4,7
Beverages	10 700	10 716	10 814	10 659	10 736	0,7
<b>Textiles, clothing, leather and footwear</b>	<b>4 444</b>	<b>4 631</b>	<b>4 620</b>	<b>4 642</b>	<b>4 629</b>	<b>-0,3</b>
Textiles	659	697	669	699	695	-0,6
Other textile products	1 164	1 191	1 168	1 164	1 131	-2,8
Knitted, crocheted articles	189	200	194	198	193	-2,5
Wearing apparel	1 399	1 529	1 550	1 619	1 571	-3,0
Leather and leather products	589	580	598	515	599	16,3
Footwear	445	434	441	447	440	-1,6
<b>Wood and wood products, paper, publishing and printing</b>	<b>12 244</b>	<b>12 688</b>	<b>13 033</b>	<b>12 825</b>	<b>12 708</b>	<b>-0,9</b>
Sawmilling and planing of wood	775	773	658	749	754	0,7
Products of wood	1 711	1 686	1 670	1 635	1 626	-0,6
Paper and paper products	5 711	5 854	6 130	6 016	5 740	-4,6
Publishing	1 685	1 805	1 910	1 880	1 976	5,1
Printing, recorded media	2 362	2 570	2 666	2 545	2 612	2,6
<b>Petroleum, chemical products, rubber and plastic products</b>	<b>34 326</b>	<b>36 191</b>	<b>35 936</b>	<b>36 788</b>	<b>37 441</b>	<b>1,8</b>
Coke, petroleum products and nuclear fuel	10 593	11 316	11 127	11 561	12 055	4,3
Basic chemicals	7 397	7 532	7 666	7 705	8 030	4,2
Other chemical products	9 727	10 575	10 391	10 476	10 589	1,1
Rubber products	1 427	1 458	1 471	1 436	1 468	2,2
Plastic products	5 182	5 310	5 281	5 609	5 299	-5,5
<b>Glass and non-metallic mineral products</b>	<b>4 746</b>	<b>4 895</b>	<b>4 721</b>	<b>4 678</b>	<b>4 767</b>	<b>1,9</b>
Glass and glass products	855	969	859	824	892	8,3
Non-metallic mineral products	3 891	3 926	3 862	3 854	3 875	0,5
<b>Basic iron and steel, non-ferrous metal products, metal products and machinery</b>	<b>34 380</b>	<b>35 067</b>	<b>35 106</b>	<b>33 842</b>	<b>34 349</b>	<b>1,5</b>
Basic iron and steel products	9 180	9 412	9 664	8 621	8 639	0,2
Non-ferrous metal products	8 480	8 756	8 606	8 142	8 744	7,4
Structural metal products	2 716	2 776	2 758	2 742	2 702	-1,5
Other fabricated metal products	5 720	6 002	5 924	5 974	6 033	1,0
General purpose machinery	3 014	2 987	3 144	2 997	3 165	5,6
Special purpose machinery	4 304	4 157	4 000	4 409	4 060	-7,9
Household appliances	965	977	1 010	960	1 007	4,9
<b>Electrical machinery</b>	<b>5 187</b>	<b>4 886</b>	<b>4 987</b>	<b>4 876</b>	<b>4 709</b>	<b>-3,4</b>
<b>Radio, television and communication apparatus and professional equipment</b>	<b>2 090</b>	<b>2 235</b>	<b>2 347</b>	<b>2 324</b>	<b>2 129</b>	<b>-8,4</b>
Radio, television and communication apparatus	1 239	1 369	1 441	1 410	1 183	-16,1
Professional equipment	851	866	906	914	946	3,5
<b>Motor vehicles, parts and accessories and other transport equipment</b>	<b>22 630</b>	<b>22 810</b>	<b>22 878</b>	<b>22 843</b>	<b>23 219</b>	<b>1,6</b>
Motor vehicles	12 548	12 652	12 383	12 664	13 082	3,3
Bodies for motor vehicles, trailers and semi-trailers	907	975	956	1 028	987	-4,0
Parts and accessories	7 070	7 418	7 129	7 279	7 261	-0,2
Other transport equipment	2 105	1 766	2 409	1 873	1 889	0,9
<b>Furniture and other manufacturing</b>	<b>5 277</b>	<b>6 747</b>	<b>5 483</b>	<b>5 520</b>	<b>5 357</b>	<b>-3,0</b>
Furniture	1 210	1 221	1 229	1 261	1 317	4,4
Other manufacturing groups	4 067	5 526	4 254	4 259	4 039	-5,2
<b>Total</b>	<b>164 982</b>	<b>170 651</b>	<b>170 596</b>	<b>169 782</b>	<b>170 383</b>	<b>0,4</b>



## Survey information

- Introduction**
- 1 Statistics South Africa (Stats SA) conducts a monthly survey of the manufacturing industry, covering manufacturing enterprises. This statistical release contains the results of a sample drawn from the business sampling frame (BSF), with enhanced coverage of South African businesses (see 4). The release contains monthly indices of the volume of manufacturing production and monthly value of sales of manufactured products by division and major group.
  - 2 In accordance with international practice, the indices are usually re-based every five years to a new base year. The current base period of the index is 2010. Both estimated and seasonally adjusted figures are presented.
  - 3 In order to improve timeliness, some information for the latest month had to be estimated due to late response. These estimates will be revised in future statistical releases as soon as information becomes available.
  - 4 Stats SA is continuously updating its BSF, based on units registered for value added tax (VAT) and income tax (IT) obtained from the South African Revenue Service (SARS).
- Purpose of the survey**
- 5 The results of the monthly manufacturing production and sales survey are used to calculate the volume of manufacturing production indices in order to estimate the gross domestic product (GDP) and its components, which in turn are used to develop and monitor government policy. These indices provide an indicator of the real level of manufacturing activity in the economy.
- Special Data Dissemination Standard of the IMF**
- 6 The data in this statistical release adhere to the Special Data Dissemination Standard (SDDS) of the International Monetary Fund (IMF), which sets out standards on coverage, periodicity and timeliness of data, access by the public, integrity, and quality of the disseminated data.
- Scope of the survey**
- 7 This survey covers manufacturing enterprises, i.e. those conducting activities in -
    - the manufacturing, processing, making or packing of products;
    - the slaughtering of animals, including poultry; and
    - installation, assembly, completion, repair and related work.
- Classification**
- 8 The 1993 edition of the *Standard Industrial Classification of all Economic Activities* (SIC), Fifth Edition, Report No. 09-90-02, was used to classify the statistical units in the survey. The SIC is based on the 1990 *International Standard Industrial Classification of all Economic Activities* (ISIC) with suitable adaptations for local conditions. Each enterprise is classified to an industry which reflects its predominant activity. Statistics in this publication are presented at SIC division (two digit) and major group (three digit) level.
- Collection rate**
- 9 The preliminary collection rate for the survey on manufacturing production and sales for August 2016 was 88,5%. The improved collection rate for July 2016 was 90,3%.
- Statistical unit**
- 10 The statistical unit for which information is compiled and published is an enterprise, defined as a legal unit or a combination of legal units that includes and directly controls all functions necessary to carry out its production activities. The statistical units are derived from and linked to the South African Revenue Service (SARS) administrative data.
- Revised figures**
- 11 Revised figures are mainly due to late submission of data to Stats SA, or respondents reporting revisions or corrections to their figures. Preliminary figures, as indicated in the relevant tables, are subject to change and when revised will not be indicated as such.

- Related publications** 12 Users may also wish to refer to *Stats in Brief* available from Stats SA.
- Rounding-off of figures** 13 Where necessary, the figures in the tables have been rounded off to the nearest digit shown. There may, therefore, be slight discrepancies between the sums of the constituent items and the totals shown.
- Historical data** 14 Historical manufacturing data are available on the Stats SA webpage. Click on the following link ([Time series data](#)) to access the data electronically.
- Past publications** 15 Past manufacturing releases are available on the Stats SA webpage. Click on the following link ([Past publications](#)) to access the releases electronically.

## Technical notes

- Survey methodology and design** 1 The survey is conducted monthly. Questionnaires are sent to a sample of 3 005 enterprises from a population of 45 966 manufacturing enterprises. Completed questionnaires are required to be returned to Stats SA within 10 days after the end of the reference month. Fax and telephone reminders are used to follow up on non-respondents.
- 2 A stratified random sample was drawn at the Standard Industrial Classification (SIC) three-digit level in April 2016 from Stats SA's business sampling frame (BSF). Strata were formed using a combination of the SIC and the measure of size classes for enterprises (see point 3 below).

The Neyman optimal allocation formula used to allocate samples to each stratum is given by a formula below:

$$n_h = \frac{N_h S_h}{\sum N_h S_h}$$

$N_h$  and  $S_h$  are the stratum population size and the stratum variance respectively.

- Class limits** 3 Each manufacturing major group is divided into four size groups. All large enterprises (size group one) are completely enumerated. Simple random sampling is applied to medium (size group two) and to small (size group three and four) enterprises. The total value of sales of manufactured products of large enterprises (size group one) in a major group is added to the weighted totals of size group two, three and four of that major group to reflect the total value of sales of the major group.

### Measure of size classes (Rand)

Enterprise size	Size group	Lower limits	Upper limits
Very small	4	1 878 106	15 000 000
Small	3	15 000 001	39 000 000
Medium	2	39 000 001	153 000 000
Large	1	153 000 001	

- Sample weighting** 4 For those strata not completely enumerated, the weights to produce estimates are the inverse ratio of the sampling fraction, modified to take account of non-response in the survey. Stratum estimates are calculated and then aggregated with the completely enumerated stratum to form major group and division estimates. These procedures are consistent with international best practice.

- Index of the volume of manufacturing production** 5 The index of the volume of manufacturing production, also known as a production index, is a statistical measure of the change in the volume of production. The production index of a major group is the ratio between the volume of production of a major group in a given period and the volume of production of the same major group in the base period. The current base period is 2010. The production in the

base period is set at 100.

**Calculation of production index**

- 6 The calculation of the monthly production indices is based on the value of sales of products and articles manufactured and change in monthly value of stocks of manufactured products, after the effect of price changes has been eliminated through deflation using appropriate indices of the production price index (PPI). For 38 of the 44 major groups in manufacturing, the value of production is calculated from the value of sales and stocks of manufactured products obtained from the monthly survey of manufacturing enterprises.
- 7 More direct indicators are used for the value of production of the following major groups:
  - tobacco;
  - coke and refined petroleum products;
  - basic iron and steel products;
  - basic precious and non-ferrous metal products;
  - motor vehicles; and
  - parts and accessories for motor vehicles.

The volume indices for these major groups are calculated on the basis of quantities. This method is used by the national statistical agencies of many other countries for petroleum products as the results are considered more satisfactory (mainly because these commodities are relatively homogeneous).

**Index weighting**

- 8 For indices, a weight is calculated for every major group according to the value added of the major group (i.e. output of a major group minus intermediate consumption) relative to the total value added of the manufacturing industry as a whole, based on the results of the most recent census of manufacturing, large sample survey (LSS) of the manufacturing industry or national accounts (NA) value added data. The production indices of all divisions are multiplied by the applicable weights and aggregated to produce the index for the total volume of manufacturing production. Weights between census/LSS/NA years are fixed. The table below reflects the period and the census/LSS/NA which were used as base year for the given period.

<b>Period</b>	<b>Source</b>
1998 to 2000	1996 Census of Manufacturing
2001 to 2004	2001 LSS
2005 to 2009	2005 LSS
2010 to 2016	NA

- 9 The weights reflect the importance of the major group/division to the total manufacturing industry. The weights change over time due to changes in the relative performance of industries, due to factors such as quality changes, changes in relative prices, and changes in customer preferences. New weights need to be calculated from time to time.

**Table G – Weights by division and major group**

Manufacturing divisions and major groups	Weights according to national accounts value added		
	2011	2012	2013 – 2016
<b>Food and beverages</b>	<b>23,82</b>	<b>24,44</b>	<b>24,53</b>
Meat, fish, fruit, etc.	5,19	5,39	5,99
Dairy products	2,30	1,78	1,81
Grain mill products	2,78	2,86	2,61
Other food products	7,12	7,73	7,78
Beverages	6,43	6,68	6,34
<b>Textiles, clothing, leather and footwear</b>	<b>2,92</b>	<b>3,17</b>	<b>3,34</b>
Textiles	0,84	0,74	0,89
Other textile products	0,39	0,47	0,36
Knitted, crocheted articles	0,08	0,10	0,09
Wearing apparel	0,99	1,19	1,13
Leather and leather products	0,19	0,28	0,50
Footwear	0,43	0,39	0,37
<b>Wood and wood products, paper, publishing and printing</b>	<b>9,46</b>	<b>12,65</b>	<b>12,62</b>
Sawmilling and planing of wood	0,82	1,83	1,81
Products of wood	1,76	2,55	2,47
Paper and paper products	3,26	4,89	4,96
Publishing	1,45	1,51	1,55
Printing, recorded media	2,17	1,87	1,83
<b>Petroleum, chemical products, rubber and plastic products</b>	<b>22,52</b>	<b>22,13</b>	<b>23,58</b>
Coke, petroleum products and nuclear fuel	6,32	7,77	9,01
Basic chemicals	4,85	3,81	4,08
Other chemical products	7,06	6,49	6,21
Rubber products	1,18	1,00	1,35
Plastic products	3,11	3,06	2,93
<b>Glass and non-metallic mineral products</b>	<b>4,42</b>	<b>3,91</b>	<b>4,15</b>
Glass and glass products	0,89	0,78	0,83
Non-metallic mineral products	3,53	3,13	3,32
<b>Basic iron and steel, non-ferrous metal products, metal products and machinery</b>	<b>20,40</b>	<b>19,59</b>	<b>18,77</b>
Basic iron and steel products	4,71	3,38	3,27
Non-ferrous metal products (including precious metals)	3,46	3,18	3,11
Structural metal products	2,21	1,89	1,83
Other fabricated metal products	3,89	4,40	3,92
General purpose machinery	2,44	2,44	2,37
Special purpose machinery	3,04	3,44	3,44
Household appliances	0,65	0,86	0,83
<b>Electrical machinery</b>	<b>2,37</b>	<b>1,70</b>	<b>1,67</b>
<b>Radio, television and communication apparatus and professional equipment</b>	<b>1,45</b>	<b>1,41</b>	<b>1,55</b>
Radio, television and communication apparatus	0,88	0,90	0,90
Professional equipment	0,57	0,51	0,65
<b>Motor vehicles, parts and accessories and other transport equipment</b>	<b>8,58</b>	<b>7,39</b>	<b>6,85</b>
Motor vehicles	3,84	2,98	2,47
Bodies for motor vehicles, trailers and semi-trailers	0,53	0,43	0,44
Parts and accessories	3,00	2,77	2,78
Other transport equipment	1,21	1,21	1,16
<b>Furniture and other manufacturing</b>	<b>4,06</b>	<b>3,61</b>	<b>2,94</b>
Furniture	1,05	1,08	1,06
Other manufacturing groups	3,01	2,53	1,88
<b>Total</b>	<b>100</b>	<b>100</b>	<b>100</b>

- Seasonal adjustment** 10 Seasonally adjusted estimates of all major groups are generated each month, using the X-12 Seasonal Adjustment Program developed by the US Bureau of the Census, 1968. Seasonal adjustment is a means of removing the estimated effects of normal seasonal variation from the series so that the effects of other influences on the series can be more clearly recognised. Seasonal adjustment does not aim to remove irregular or non-seasonal influences, which may be present in any particular month. Influences that are volatile or unsystematic can still make it difficult to interpret the movement of the series even after adjustment for seasonal variations. Therefore the month-to-month movements of seasonally adjusted estimates may not be reliable indicators of trend behaviour. The X-12-ARIMA procedure for manufacturing production and sales is described in more detail on the Stats SA website: [Click to Download Seasonal adjustment Manufacturing March 2016](#)
- Trend cycle** 11 The trend is the long-term pattern or movement of a time series. The X-12 Seasonal Adjustment Programme is used for smoothing seasonally adjusted estimates to estimates of the underlying trend.
- Reliability of estimates** 12 Data presented in this publication are based on information obtained from a sample and are, therefore, subject to sampling variability; that is, they may differ from the figures that would have been produced if the data had been obtained from all enterprises in the manufacturing industry in South Africa. Estimates are subject to sampling and non-sampling errors.
- 13 Inaccuracies may occur because of imperfections in reporting by enterprises and errors made in the collection and processing of the data. Inaccuracies of this kind are referred to as non-sampling errors. Every effort is made to minimise non-sampling errors by careful design of questionnaires, testing them in pilot studies, editing reported data and implementing efficient operating procedures. Fluctuations may occur in consecutive months as a result of seasonal and economic factors.
- Month-on-month percentage change** 14 The month-on-month percentage change in a variable for any given month is the change between that month and the previous month, expressed as a percentage of the latter.
- Year-on-year (annual) percentage change** 15 The year-on-year percentage change in a variable for any given period is the change between that period and the corresponding period of the previous year, expressed as a percentage of the latter.
- Index contribution (percentage points)** 16 The contribution (percentage points) of a major group or division to the total manufacturing production percentage change for a given period is calculated by multiplying the difference in the index of each major group or division by the weight of the major group or division and then dividing by the previous period total manufacturing index.
- Sales contribution (percentage points)** 17 The contribution (percentage points) of a division or major group to the percentage change in total manufacturing sales for a given period is calculated by multiplying the percentage change of each major group or division with its percentage contribution to the total sales of the previous period, divided by 100.

## Glossary

**Enterprise** The enterprise is a legal entity or a combination of legal units that includes and directly controls all functions necessary to carry out its production activities.

**Industry** An industry is made up of enterprises engaged in the same or similar kinds of economic activity. Industries are defined in the *System of National Accounts (SNA)* in the same way as in the *1993 Standard Industrial Classification of all Economic Activities*, Fifth Edition, Report No. 09-90-02 of January 1993 (SIC).

**Sales** Sales are the total value of sales and transfers-out of all own manufactured products/articles and the amounts received for installation, erection or assembly or other services rendered.

## Symbols and abbreviations

BSF	Business sampling frame
GDP	Gross domestic product
IMF	International Monetary Fund
ISIC	International Standard Industrial Classification
LSS	Large sample survey
NA	National accounts
PPI	Producer price index
Rm	R million
SIC	Standard Industrial Classification of all Economic Activities
SARS	South African Revenue Service
SDDS	Special Data Dissemination Standard
Stats SA	Statistics South Africa
VAT	Value added tax
*	Revised figures

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Stats SA publishes approximately 300 different statistical releases each year. It is not economically viable to produce them in more than one of South Africa's eleven official languages. Since the releases are used extensively, not only locally but also by international economic and social-scientific communities, Stats SA releases are published in English.

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