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Manufacturing: Production and sales
(Preliminary)

July 2017

The results published today are based on a new sample. This is an annual procedure which typically affects the level of sales. To avoid breaks in time series and to minimise revisions to historical growth rates, historical sales levels were revised (i.e. they were linked to the estimates based on the new sample).

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Production: results for July 2017

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

	Feb-17	Mar-17	Apr-17	May-17	Jun-17	Jul-17
Year-on-year % change, unadjusted	-3,7	0,3	-4,5	-1,0	-2,2	-1,4
Month-on-month % change, seasonally adjusted	-1,9	0,1	1,8	-0,6	-0,3	1,5
3-month % change, seasonally adjusted ¹	-0,4	-1,1	-1,3	-0,3	0,7	0,9

¹ Percentage change between the previous 3 months and the 3 months ending in the month indicated.

Manufacturing production decreased by 1,4% in July 2017 compared with July 2016. The largest contributions were made by the following divisions:

- petroleum, chemical products, rubber and plastic products (-7,2% and contributing -1,8 percentage points); and
- basic iron and steel, non-ferrous metal products, metal products and machinery (6,3% and contributing 1,1 percentage points) – see Tables 5 and 6.

Seasonally adjusted manufacturing production increased by 1,5% in July 2017 compared with June 2017. This followed month-on-month changes of -0,3% in June 2017 and -0,6% in May 2017 – see Table A.

Seasonally adjusted manufacturing production increased by 0,9% in the three months ended July 2017 compared with the previous three months. Seven of the ten manufacturing divisions reported positive growth rates over this period.

The largest contributions to the 0,9% increase were made by the following divisions:

- food and beverages (1,6% and contributing 0,4 of a percentage point);
- furniture and 'other' manufacturing (10,9% and contributing 0,3 of a percentage point); and
- basic iron and steel, non-ferrous metal products, metal products and machinery (1,8% and contributing 0,3 of a percentage point) – see Table B.

Table B – Seasonally adjusted manufacturing production for the latest three months by division and major group (Base: 2015=100)

Manufacturing division and major group	Weights	Feb – Apr 2017	May – Jul 2017	% change between Feb – Apr 2017 and May – Jul 2017	Contribution (% points) to the total % change
Food and beverages	25,15	100,1	101,7	1,6	0,4
Meat, fish, fruit, etc.	6,39	98,9	98,8	-0,1	0,0
Dairy products	1,89	98,7	100,5	1,8	0,0
Grain mill products	2,86	94,5	95,1	0,6	0,0
Other food products	7,62	101,8	105,1	3,2	0,3
Beverages	6,39	102,3	103,8	1,5	0,1
Textiles, clothing, leather and footwear	3,28	93,9	95,4	1,6	0,0
Textiles	0,83	102,1	110,8	8,5	0,1
Other textile products	0,41	96,0	98,2	2,3	0,0
Knitted, crocheted articles	0,09	93,8	95,2	1,5	0,0
Wearing apparel	1,10	89,1	89,8	0,8	0,0
Leather and leather products	0,49	88,6	82,2	-7,2	0,0
Footwear	0,36	94,2	92,1	-2,2	0,0
Wood and wood products, paper, publishing and printing	11,62	101,1	100,0	-1,1	-0,1
Sawmilling and planing of wood	1,71	109,8	111,4	1,5	0,0
Products of wood	2,37	100,1	101,1	1,0	0,0
Paper and paper products	4,33	100,6	98,5	-2,1	-0,1
Publishing	1,49	95,6	92,8	-2,9	0,0
Printing, recorded media	1,72	99,7	97,0	-2,7	0,0
Petroleum, chemical products, rubber and plastic products	24,01	97,4	97,0	-0,4	-0,1
Coke, petroleum products and nuclear fuel	9,29	94,4	89,4	-5,3	-0,5
Basic chemicals	4,36	99,2	101,0	1,8	0,1
Other chemical products	6,16	101,1	104,0	2,9	0,2
Rubber products	1,34	101,5	101,1	-0,4	0,0
Plastic products	2,86	93,9	99,0	5,4	0,1
Glass and non-metallic mineral products	3,90	95,3	96,4	1,2	0,0
Glass and glass products	0,74	98,1	100,9	2,9	0,0
Non-metallic mineral products	3,16	94,7	95,3	0,6	0,0
Basic iron and steel, non-ferrous metal products, metal products and machinery	18,72	100,9	102,7	1,8	0,3
Basic iron and steel products	3,44	110,9	108,1	-2,5	-0,1
Non-ferrous metal products	2,73	105,3	108,9	3,4	0,1
Structural metal products	1,86	90,8	94,7	4,3	0,1
Other fabricated metal products	3,86	100,3	102,9	2,6	0,1
General purpose machinery	2,51	97,3	95,9	-1,4	0,0
Special purpose machinery	3,51	99,2	105,1	5,9	0,2
Household appliances	0,81	87,6	86,0	-1,8	0,0
Electrical machinery	1,65	90,7	91,2	0,6	0,0
Radio, television and communication apparatus and professional equipment	1,61	110,4	107,8	-2,4	0,0
Radio, television and communication	0,93	112,5	113,8	1,2	0,0
Professional equipment	0,68	107,6	99,6	-7,4	-0,1
Motor vehicles, parts and accessories and other transport equipment	6,86	99,0	100,0	1,0	0,1
Motor vehicles	2,43	95,1	100,6	5,8	0,1
Bodies for motor vehicles, trailers and semi-	0,46	103,4	99,8	-3,5	0,0
Parts and accessories	2,76	103,4	102,5	-0,9	0,0
Other transport equipment	1,21	94,8	93,5	-1,4	0,0
Furniture and other manufacturing	3,20	90,7	100,6	10,9	0,3
Furniture	1,09	98,5	91,3	-7,3	-0,1
Other manufacturing groups	2,11	86,7	105,3	21,5	0,4
Total	100	99,0	99,9	0,9	0,9

Figure 1 – Volume of manufacturing production (Base: 2015=100)

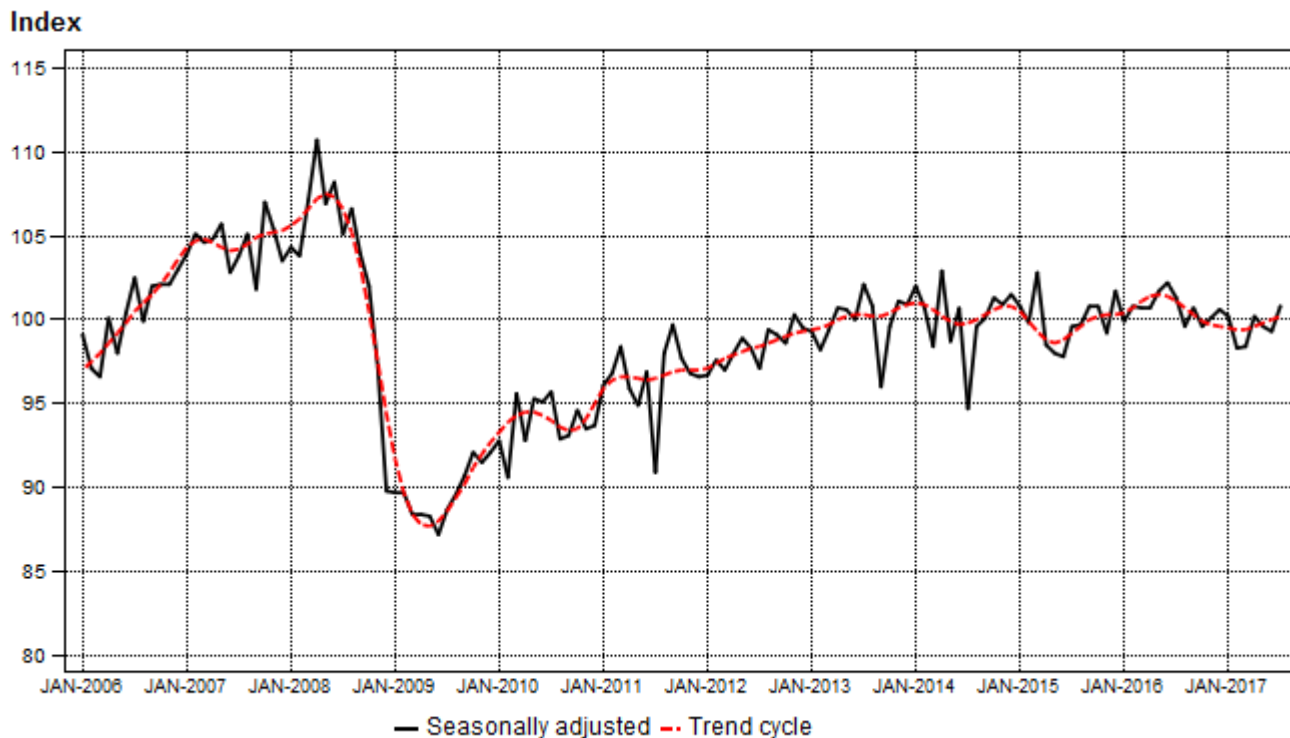
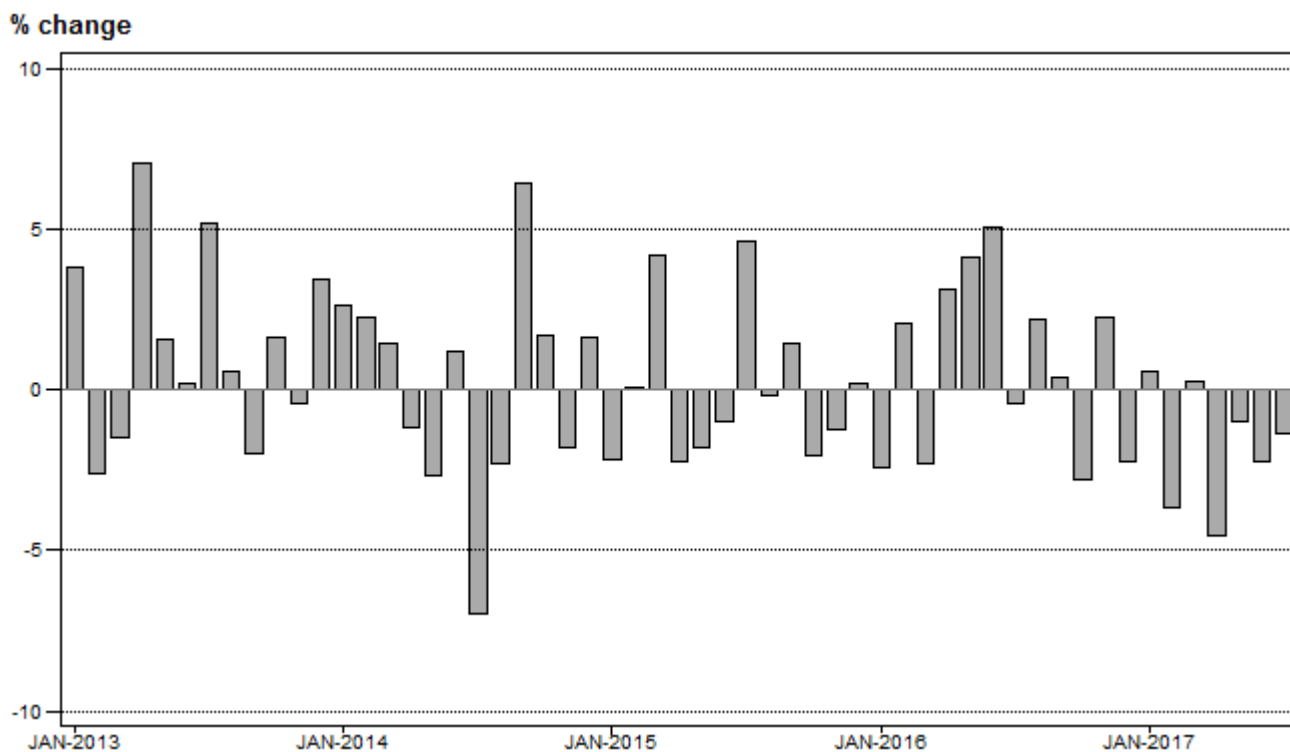


Figure 2 – Volume of manufacturing production (Base: 2015=100): year-on-year percentage change



Sales: results for July 2017**Table C – Key growth rates in manufacturing sales at current prices**

	Feb-17	Mar-17	Apr-17	May-17	Jun-17	Jul-17
Year-on-year % change, unadjusted	1,5	7,7	-1,4	3,5	3,2	2,2
Month-on-month % change, seasonally adjusted	-1,5	0,7	1,0	1,4	-0,2	0,3
3-month % change, seasonally adjusted ¹	0,2	0,7	-0,1	1,4	1,8	2,3

¹ Percentage change between the previous 3 months and the 3 months ending in the month indicated.

Seasonally adjusted manufacturing sales increased by 0,3% in July 2017 compared with June 2017. This followed month-on-month changes of -0,2% in June 2017 and 1,4% in May 2017 – see Table C.

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

Manufacturing division	Feb – Apr 2017 (R million)	May – Jul 2017 (R million)	% change between Feb – Apr 2017 and May – Jul 2017	Contribution (% points) to the total % change
Food and beverages	126 969	128 522	1,2	0,3
Textiles, clothing, leather and footwear	13 880	14 056	1,3	0,0
Wood and wood products, paper, publishing and printing	38 885	39 471	1,5	0,1
Petroleum, chemical products, rubber and plastic products	109 524	111 394	1,7	0,4
Glass and non-metallic mineral products	15 375	16 100	4,7	0,1
Basic iron and steel, non-ferrous metal products, metal products and machinery	111 920	111 971	0,0	0,0
Electrical machinery	13 487	13 987	3,7	0,1
Radio, television and communication apparatus and professional equipment	7 206	6 860	-4,8	-0,1
Motor vehicles, parts and accessories and other transport equipment	67 228	71 918	7,0	0,9
Furniture and other manufacturing	18 062	20 120	11,4	0,4
Total	522 536	534 398	2,3	2,3

PJ Lehohla
Statistician-General

Note: Changes to the monthly current indicator survey and the impact on the statistical series

Business register and samples

Today Statistics South Africa (Stats SA) publishes results for the monthly survey of manufacturing production and sales from a new sample drawn in April 2017, which replaces the previous sample that was drawn in April 2016. The sample was drawn from a business register of enterprises with an annual turnover of at least R1 913 350 and that are required to register with the South African Revenue Service (SARS) for value added tax.

Owing to the evolving nature of business, the business register is maintained on a continuous basis. The maintenance process is aimed, amongst other things, at capturing changes related to new businesses, ceased businesses, merged businesses and classification changes. In addition, Stats SA undertakes quality improvement surveys related to the business register, the primary objective of which is to capture up-to-date information about the structures and activities of large and complex businesses. This process enables Stats SA to review classification codes for these businesses. These changes are an essential part of the statistical architecture.

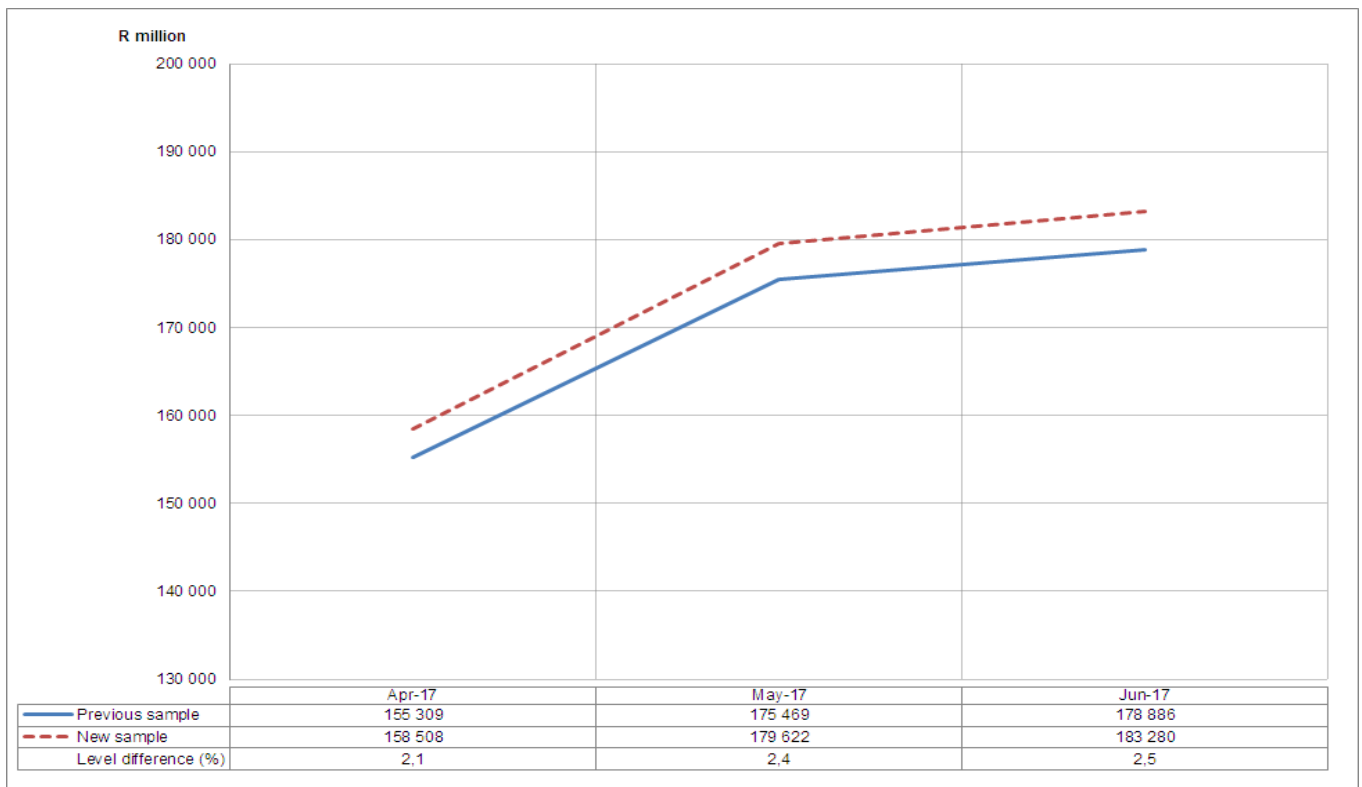
Comparison of total sales between the previous and new samples of the manufacturing industry

The reported level of total sales for the monthly survey of the manufacturing industry for the months April to June 2017 based on the new sample was 2,3% (R11 745 million) higher than the level of total sales recorded for the previous sample – see Table E and Figure A. The previous sample was drawn in April 2016 and was operational for the last half of 2016 and the first half of 2017.

Table E – Total sales for previous and new samples for the manufacturing industry – April to June 2017

Manufacturing industry	Previous sample (R million)	New sample (R million)	Difference	
			(R million)	(%)
	509 665	521 410	11 745	2,3

Figure A – Total value of sales of manufactured products: monthly levels of previous and new samples for April to June 2017



Comparison of sales between the previous and new samples by division

The differences in sales between the previous and new samples by manufacturing division are shown in Table F.

Table F – Manufacturing sales for previous and new samples by division: April to June 2017

Manufacturing division	Previous sample (R million)	New sample (R million)	Difference	
			(R million)	(%) ¹
Food and beverages	120 150	123 043	2 893	2,4
Textiles, clothing, leather and footwear	13 333	13 705	372	2,8
Wood and wood products, paper, publishing and printing	36 766	37 287	521	1,4
Petroleum, chemical products, rubber and plastic products	109 125	108 847	-278	-0,3
Glass and non-metallic mineral products	14 364	15 720	1 356	9,4
Basic iron and steel, non-ferrous metal products, metal products and machinery	111 754	114 036	2 282	2,0
Electrical machinery	13 429	13 445	16	0,1
Radio, television and communication apparatus and professional equipment	6 708	6 515	-193	-2,9
Motor vehicles, parts and accessories and other transport equipment	65 866	69 350	3 484	5,3
Furniture and other manufacturing	18 170	19 462	1 292	7,1
Total manufacturing	509 665	521 410	11 745	2,3

¹ The percentage difference is the new sample minus the previous sample, divided by the previous sample, multiplied by 100.

The largest percentage differences were in the following manufacturing divisions:

- glass and non-metallic mineral products (9,4% or R1 356 million higher in the new sample);
- furniture and 'other' manufacturing (7,1% or R1 292 million higher in the new sample); and
- motor vehicles, parts and accessories and other transport equipment (5,3% or R3 484 million higher in the new sample).

Backcasting

To avoid breaks in time series and to minimise revisions to historical growth rates, historical sales levels were revised (i.e. they were linked to the estimates based on the new sample).

Tables

Table 1 – Index of the volume of manufacturing production (Base: 2015=100)

Month	2011	2012	2013	2014	2015	2016	2017 ¹
Jan	81,4	83,4	86,6	88,9	87,0	84,9	85,4
Feb	92,3	95,9	93,4	95,5	95,6	97,6	94,0
Mar	102,6	99,7	98,2	99,6	103,8	101,4	101,7
Apr	87,7	89,3	95,6	94,5	92,4	95,3	91,0
May	95,3	100,3	101,9	99,2	97,4	101,4	100,4
Jun	97,8	98,4	98,6	99,8	98,8	103,8	101,5
Jul	92,8	99,6	104,8	97,5	102,0	101,6	100,2
Aug	101,2	103,2	103,8	101,4	101,2	103,4	
Sep	103,6	101,1	99,1	105,5	107,0	107,4	
Oct	106,0	109,5	111,3	113,2	110,9	107,8	
Nov	109,4	113,6	113,1	111,1	109,7	112,2	
Dec	87,7	89,3	92,4	93,9	94,1	92,0	
Total	96,5	98,6	99,9	100,0	100,0	100,7	

¹ The latest three months are preliminary.

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

Month	2012	2013	2014	2015	2016	2017	2017 year-to-date
Jan	2,5	3,8	2,7	-2,1	-2,4	0,6	0,6
Feb	3,9	-2,6	2,2	0,1	2,1	-3,7	-1,7
Mar	-2,8	-1,5	1,4	4,2	-2,3	0,3	-1,0
Apr	1,8	7,1	-1,2	-2,2	3,1	-4,5	-1,9
May	5,2	1,6	-2,6	-1,8	4,1	-1,0	-1,7
Jun	0,6	0,2	1,2	-1,0	5,1	-2,2	-1,8
Jul	7,3	5,2	-7,0	4,6	-0,4	-1,4	-1,7
Aug	2,0	0,6	-2,3	-0,2	2,2		
Sep	-2,4	-2,0	6,5	1,4	0,4		
Oct	3,3	1,6	1,7	-2,0	-2,8		
Nov	3,8	-0,4	-1,8	-1,3	2,3		
Dec	1,8	3,5	1,6	0,2	-2,2		
Total	2,2	1,3	0,1	0,0	0,7		

Table 3 – Seasonally adjusted volume of manufacturing production

Month	Index (Base: 2015=100)				Month-on-month % change			
	2014	2015	2016	2017	2014	2015	2016	2017
Jan	102,0	100,8	99,9	100,2	1,1	-0,7	-1,8	-0,4
Feb	100,7	99,8	100,8	98,3	-1,3	-1,0	0,9	-1,9
Mar	98,4	102,8	100,7	98,4	-2,3	3,0	-0,1	0,1
Apr	102,9	98,5	100,7	100,2	4,6	-4,2	0,0	1,8
May	98,7	98,0	101,7	99,6	-4,1	-0,5	1,0	-0,6
Jun	100,7	97,8	102,2	99,3	2,0	-0,2	0,5	-0,3
Jul	94,7	99,6	101,3	100,8	-6,0	1,8	-0,9	1,5
Aug	99,6	99,7	99,6		5,2	0,1	-1,7	
Sep	100,1	100,8	100,7		0,5	1,1	1,1	
Oct	101,3	100,8	99,6		1,2	0,0	-1,1	
Nov	100,9	99,2	100,1		-0,4	-1,6	0,5	
Dec	101,5	101,7	100,6		0,6	2,5	0,5	

Table 4 – Index of the volume of manufacturing production by division and major group (Base: 2015=100)

Manufacturing division and major group	Weights	Feb-17	Mar-17	Apr-17	¹ May-17	¹ Jun-17	¹ Jul-17
Food and beverages	25,15	88,5	96,3	94,6	101,3	101,8	98,6
Meat, fish, fruit, etc.	6,39	92,9	101,3	93,8	101,3	100,1	95,4
Dairy products	1,89	88,3	102,4	93,4	93,6	91,9	93,3
Grain mill products	2,86	83,7	99,4	86,2	97,5	96,8	96,6
Other food products	7,62	88,5	85,1	99,1	110,3	116,7	109,7
Beverages	6,39	86,4	101,3	94,3	94,5	90,8	91,1
Textiles, clothing, leather and footwear	3,28	95,2	102,0	88,7	97,9	91,2	97,7
Textiles	0,83	107,8	117,3	97,6	118,2	109,0	112,4
Other textile products	0,41	96,9	104,2	90,2	104,4	101,5	98,0
Knitted, crocheted articles	0,09	96,6	102,7	93,0	103,1	89,7	109,5
Wearing apparel	1,10	86,7	97,6	79,1	88,7	78,2	100,3
Leather and leather products	0,49	89,5	86,9	94,6	88,6	88,4	67,4
Footwear	0,36	97,3	97,9	87,2	83,6	82,2	94,0
Wood and wood products, paper, publishing and printing	11,62	97,2	103,7	89,0	98,6	101,2	99,3
Sawmilling and planing of wood	1,71	106,4	120,3	104,1	114,9	111,7	121,8
Products of wood	2,37	97,1	102,4	92,8	96,8	108,0	102,1
Paper and paper products	4,33	95,8	106,7	87,7	97,2	101,4	92,7
Publishing	1,49	91,3	89,0	78,7	90,6	90,6	89,1
Printing, recorded media	1,72	96,7	94,2	81,1	95,7	90,1	98,5
Petroleum, chemical products, rubber and plastic products	24,01	92,6	98,9	91,7	95,1	96,4	98,6
Coke, petroleum products and nuclear fuel	9,29	90,7	96,7	95,9	83,8	83,5	100,8
Basic chemicals	4,36	88,6	92,3	91,4	105,6	100,9	95,2
Other chemical products	6,16	95,6	104,7	90,3	102,9	109,0	96,5
Rubber products	1,34	107,4	116,0	86,8	108,3	108,5	99,8
Plastic products	2,86	91,2	95,4	83,7	92,7	98,2	100,3
Glass and non-metallic mineral products	3,90	81,7	103,2	84,9	102,0	103,4	101,5
Glass and glass products	0,74	84,5	93,5	88,5	94,8	100,5	103,4
Non-metallic mineral products	3,16	81,1	105,5	84,1	103,7	104,1	101,0
Basic iron and steel, non-ferrous metal products, metal products and machinery	18,72	100,1	111,0	94,1	106,0	105,3	104,3
Basic iron and steel products	3,44	110,1	120,5	115,2	122,2	102,0	107,9
Non-ferrous metal products	2,73	100,3	111,4	104,6	105,2	110,6	114,6
Structural metal products	1,86	95,5	97,2	78,3	92,3	108,9	92,2
Other fabricated metal products	3,86	101,3	108,1	88,6	109,1	107,0	105,8
General purpose machinery	2,51	97,1	99,7	86,8	100,4	99,4	94,4
Special purpose machinery	3,51	96,5	123,5	87,1	102,6	109,1	108,8
Household appliances	0,81	87,9	94,9	84,7	88,5	86,7	86,6
Electrical machinery	1,65	92,6	102,9	77,6	93,2	99,0	93,7
Radio, television and communication apparatus and professional equipment	1,61	101,7	111,5	103,7	104,1	99,9	108,0
Radio, television and communication apparatus	0,93	101,3	110,9	95,8	103,5	104,4	114,6
Professional equipment	0,68	102,3	112,2	114,4	105,0	93,8	99,1
Motor vehicles, parts and accessories and other transport equipment	6,86	98,6	110,0	84,6	104,6	112,4	101,6
Motor vehicles	2,43	95,8	101,9	78,1	106,5	111,6	108,5
Bodies for motor vehicles, trailers and semi-trailers	0,46	107,3	110,7	92,4	109,4	108,1	102,7
Parts and accessories	2,76	104,8	110,8	95,0	113,1	107,8	106,2
Other transport equipment	1,21	86,6	124,2	71,1	79,8	126,1	77,0
Furniture and other manufacturing	3,20	100,0	79,4	71,8	101,6	102,3	102,4
Furniture	1,09	93,0	91,9	83,1	94,7	89,1	93,2
Other manufacturing groups	2,11	103,6	73,0	66,0	105,1	109,0	107,1
Total	100	94,0	101,7	91,0	100,4	101,5	100,2

¹ 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: 2015=100)

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

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	Weights	Feb-17	Mar-17	Apr-17	May-17	Jun-17	Jul-17
Food and beverages	25,15	-1,0	-0,1	0,4	0,6	0,4	0,3
Meat, fish, fruit, etc.	6,39	0,3	-0,1	-0,1	-0,1	-0,1	0,0
Dairy products	1,89	-0,2	-0,1	-0,1	0,1	0,1	0,0
Grain mill products	2,86	-0,3	-0,1	-0,3	-0,2	-0,2	-0,1
Other food products	7,62	-0,1	-0,1	0,3	0,7	0,6	0,2
Beverages	6,39	-0,6	0,2	0,5	0,0	0,1	0,2
Textiles, clothing, leather and footwear	3,28	-0,2	0,1	-0,3	0,0	-0,2	-0,1
Textiles	0,83	0,0	0,0	-0,1	0,1	0,0	0,1
Other textile products	0,41	0,0	0,0	-0,1	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	1,10	-0,1	0,1	-0,1	-0,1	-0,2	-0,1
Leather and leather products	0,49	0,0	0,0	0,0	0,0	-0,1	0,0
Footwear	0,36	0,0	0,0	0,0	0,0	0,0	-0,1
Wood and wood products, paper, publishing and printing	11,62	-0,3	-0,2	-0,4	-0,4	-0,4	-0,4
Sawmilling and planing of wood	1,71	0,0	0,2	0,0	-0,1	0,0	0,1
Products of wood	2,37	-0,2	-0,1	-0,1	-0,1	0,1	0,0
Paper and paper products	4,33	0,0	-0,2	-0,1	0,0	-0,2	-0,3
Publishing	1,49	0,0	-0,1	-0,1	-0,1	-0,2	-0,1
Printing, recorded media	1,72	-0,1	0,0	0,0	-0,1	-0,1	-0,2
Petroleum, chemical products, rubber and plastic products	24,01	-1,7	-1,4	-1,6	-2,1	-2,5	-1,8
Coke, petroleum products and nuclear fuel	9,29	-0,7	-1,6	-1,2	-2,0	-2,0	-1,0
Basic chemicals	4,36	-0,3	-0,2	0,1	0,0	-0,6	-0,3
Other chemical products	6,16	-0,4	0,2	-0,3	-0,1	0,0	-0,5
Rubber products	1,34	0,2	0,2	-0,1	0,0	0,1	-0,1
Plastic products	2,86	-0,4	0,0	-0,2	0,0	0,1	0,0
Glass and non-metallic mineral products	3,90	-0,4	0,3	-0,5	-0,1	-0,1	-0,1
Glass and glass products	0,74	-0,1	0,0	0,0	-0,1	-0,1	0,1
Non-metallic mineral products	3,16	-0,3	0,3	-0,4	0,0	0,0	-0,1
Basic iron and steel, non-ferrous metal products, metal products and machinery	18,72	0,1	1,2	-0,2	1,1	0,5	1,1
Basic iron and steel products	3,44	0,2	0,4	0,2	0,0	-0,3	0,3
Non-ferrous metal products	2,73	-0,1	0,2	0,2	0,1	0,2	0,4
Structural metal products	1,86	-0,2	0,0	-0,2	-0,1	0,2	0,0
Other fabricated metal products	3,86	-0,2	0,1	-0,3	0,2	0,1	0,0
General purpose machinery	2,51	0,3	0,1	0,0	0,2	-0,1	0,0
Special purpose machinery	3,51	0,1	0,4	-0,2	0,6	0,5	0,3
Household appliances	0,81	0,0	0,0	0,0	0,0	0,0	0,0
Electrical machinery	1,65	-0,1	-0,2	-0,3	-0,1	-0,1	-0,1
Radio, television and communication apparatus and professional equipment	1,61	0,0	0,1	0,3	0,1	-0,2	0,0
Radio, television and communication apparatus	0,93	0,0	0,1	0,1	0,1	-0,1	0,0
Professional equipment	0,68	0,0	0,0	0,1	0,0	-0,1	0,0
Motor vehicles, parts and accessories and other transport equipment	6,86	0,0	0,4	-1,3	-0,2	0,1	-0,3
Motor vehicles	2,43	0,1	0,0	-0,8	-0,2	0,2	0,0
Bodies for motor vehicles, trailers and semi-trailers	0,46	0,0	0,1	0,0	0,0	0,0	0,0
Parts and accessories	2,76	-0,1	0,2	-0,3	0,0	0,0	-0,2
Other transport equipment	1,21	0,0	0,1	-0,1	-0,1	-0,1	-0,1
Furniture and other manufacturing	3,20	-0,1	0,0	-0,5	0,0	0,1	0,0
Furniture	1,09	0,1	0,2	0,0	0,0	0,0	-0,1
Other manufacturing groups	2,11	-0,2	-0,1	-0,5	0,0	0,2	0,1
Total	100	-3,7	0,3	-4,5	-1,0	-2,2	-1,4

Table 7 – Seasonally adjusted index of the volume of manufacturing production by division and major group (Base: 2015=100)

Manufacturing division and major group	Weights	Mar-17	Apr-17	May-17	Jun-17	Jul-17	Month-on-month % change
Food and beverages	25,15	97,9	102,9	101,2	101,8	102,0	0,2
Meat, fish, fruit, etc.	6,39	96,0	99,7	98,7	98,9	98,7	-0,2
Dairy products	1,89	98,8	99,6	101,4	99,8	100,2	0,4
Grain mill products	2,86	94,2	95,3	94,8	94,1	96,4	2,4
Other food products	7,62	96,3	105,1	104,8	106,4	104,2	-2,1
Beverages	6,39	102,9	107,9	102,2	103,4	105,9	2,4
Textiles, clothing, leather and footwear	3,28	95,0	94,0	96,4	92,6	97,2	5,0
Textiles	0,83	104,6	104,0	110,7	105,0	116,7	11,1
Other textile products	0,41	96,7	97,7	99,4	97,6	97,5	-0,1
Knitted, crocheted articles	0,09	93,8	90,8	93,2	92,9	99,6	7,2
Wearing apparel	1,10	91,8	86,7	91,9	85,3	92,2	8,1
Leather and leather products	0,49	86,4	91,6	85,4	82,7	78,4	-5,2
Footwear	0,36	92,7	93,1	89,7	94,3	92,4	-2,0
Wood and wood products, paper, publishing and printing	11,62	100,3	101,0	101,1	99,7	99,1	-0,6
Sawmilling and planing of wood	1,71	111,1	111,0	111,6	106,6	115,9	8,7
Products of wood	2,37	99,1	101,0	98,5	102,8	102,1	-0,7
Paper and paper products	4,33	100,3	99,1	101,0	98,4	96,0	-2,4
Publishing	1,49	93,7	93,5	96,0	93,1	89,3	-4,1
Printing, recorded media	1,72	96,8	102,2	98,9	97,4	94,6	-2,9
Petroleum, chemical products, rubber and plastic products	24,01	97,9	99,6	95,5	95,5	100,1	4,8
Coke, petroleum products and nuclear fuel	9,29	96,7	95,9	83,8	83,5	100,8	20,7
Basic chemicals	4,36	97,7	102,4	104,7	101,4	97,0	-4,3
Other chemical products	6,16	101,3	104,8	105,0	105,3	101,8	-3,3
Rubber products	1,34	100,3	102,7	101,1	104,0	98,1	-5,7
Plastic products	2,86	93,7	94,5	96,6	100,3	100,0	-0,3
Glass and non-metallic mineral products	3,90	100,5	93,8	96,5	96,7	96,0	-0,7
Glass and glass products	0,74	102,9	99,5	101,9	100,6	100,1	-0,5
Non-metallic mineral products	3,16	99,9	92,5	95,2	95,8	95,0	-0,8
Basic iron and steel, non-ferrous metal products, metal products and machinery	18,72	101,6	100,2	102,3	101,9	103,8	1,9
Basic iron and steel products	3,44	113,4	109,9	109,0	101,6	113,8	12,0
Non-ferrous metal products	2,73	105,0	106,3	103,2	109,8	113,8	3,6
Structural metal products	1,86	90,8	91,5	91,7	99,3	93,2	-6,1
Other fabricated metal products	3,86	101,8	98,7	103,5	102,4	102,7	0,3
General purpose machinery	2,51	95,9	95,4	97,9	96,2	93,5	-2,8
Special purpose machinery	3,51	100,4	97,8	106,3	104,6	104,4	-0,2
Household appliances	0,81	85,7	90,2	86,5	85,0	86,6	1,9
Electrical machinery	1,65	89,2	87,8	92,5	89,8	91,3	1,7
Radio, television and communication apparatus and professional equipment	1,61	110,0	117,9	112,1	101,7	109,5	7,7
Radio, television and communication apparatus	0,93	116,8	116,5	116,7	111,2	113,5	2,1
Professional equipment	0,68	100,8	119,7	105,9	88,8	104,0	17,1
Motor vehicles, parts and accessories and other transport equipment	6,86	96,9	99,8	98,4	102,5	99,2	-3,2
Motor vehicles	2,43	91,5	96,3	98,1	102,7	100,9	-1,8
Bodies for motor vehicles, trailers and semi-trailers	0,46	101,0	102,8	100,9	98,8	99,6	0,8
Parts and accessories	2,76	100,2	105,7	101,6	104,5	101,4	-3,0
Other transport equipment	1,21	98,6	92,2	90,7	99,1	90,6	-8,6
Furniture and other manufacturing	3,20	83,0	91,9	103,2	99,7	98,9	-0,8
Furniture	1,09	100,4	94,6	94,7	90,1	89,2	-1,0
Other manufacturing groups	2,11	74,0	90,6	107,6	104,5	103,8	-0,7
Total	100	98,4	100,2	99,6	99,3	100,8	1,5

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

Month	2011 *	2012 *	2013 *	2014 *	2015 *	2016 *	2017 ¹
Jan	99 651	110 851	120 410	134 525	133 730	137 841	148 118
Feb	115 892	130 318	136 580	151 473	148 643	160 942	163 412
Mar	131 030	138 289	142 666	156 916	167 548	169 986	183 141
Apr	112 158	121 813	138 227	148 760	147 565	160 803	158 508
May	122 027	135 205	146 358	153 484	158 509	173 551	179 622
Jun	126 954	135 655	144 271	161 528	163 515	177 603	183 280
Jul	117 444	132 495	151 553	151 058	164 049	171 324	175 041
Aug	130 032	139 669	149 163	161 892	162 095	177 560	
Sep	138 165	136 810	145 373	168 492	172 905	184 969	
Oct	139 095	149 849	162 067	181 689	179 213	184 382	
Nov	144 755	158 942	168 049	176 621	180 154	196 523	
Dec	121 978	127 874	145 135	153 198	156 484	163 764	
Total	1 499 181	1 617 770	1 749 852	1 899 636	1 934 410	2 059 248	

¹ The latest three months are preliminary.

* Revised, see note on page 6.

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

Month	2012	2013	2014	2015	2016	2017	2017 year-to-date
Jan	11,2	8,6	11,7	-0,6	3,1	7,5	7,5
Feb	12,4	4,8	10,9	-1,9	8,3	1,5	4,3
Mar	5,5	3,2	10,0	6,8	1,5	7,7	5,5
Apr	8,6	13,5	7,6	-0,8	9,0	-1,4	3,7
May	10,8	8,2	4,9	3,3	9,5	3,5	3,7
Jun	6,9	6,4	12,0	1,2	8,6	3,2	3,6
Jul	12,8	14,4	-0,3	8,6	4,4	2,2	3,4
Aug	7,4	6,8	8,5	0,1	9,5		
Sep	-1,0	6,3	15,9	2,6	7,0		
Oct	7,7	8,2	12,1	-1,4	2,9		
Nov	9,8	5,7	5,1	2,0	9,1		
Dec	4,8	13,5	5,6	2,1	4,7		
Total	7,9	8,2	8,6	1,8	6,5		

Table 10 – Seasonally adjusted manufacturing sales at current prices

Month	R million				Month-on-month % change			
	2014	2015	2016	2017	2014	2015	2016	2017
Jan	156 309	158 345	165 349	175 408	1,3	-1,5	1,4	1,6
Feb	158 675	156 043	168 349	172 802	1,5	-1,5	1,8	-1,5
Mar	153 399	162 584	168 199	174 025	-3,3	4,2	-0,1	0,7
Apr	159 958	158 742	168 864	175 709	4,3	-2,4	0,4	1,0
May	153 733	160 091	174 142	178 182	-3,9	0,8	3,1	1,4
Jun	159 367	159 442	173 723	177 820	3,7	-0,4	-0,2	-0,2
Jul	150 455	162 168	173 133	178 396	-5,6	1,7	-0,3	0,3
Aug	160 456	161 741	172 539		6,6	-0,3	-0,3	
Sep	160 079	163 904	173 796		-0,2	1,3	0,7	
Oct	163 801	163 769	171 255		2,3	-0,1	-1,5	
Nov	161 172	161 704	174 763		-1,6	-1,3	2,0	
Dec	160 731	163 014	172 628		-0,3	0,8	-1,2	

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

Manufacturing division and major group	* Feb-17	* Mar-17	* Apr-17	¹ May-17	¹ Jun-17	¹ Jul-17
Food and beverages	38 245	42 298	39 811	41 035	42 198	40 337
Meat, fish, fruit, etc.	10 984	12 365	11 288	12 175	12 293	11 931
Dairy products	3 093	3 608	3 295	3 388	3 248	3 300
Grain mill products	5 683	6 635	5 641	6 242	6 077	5 905
Other food products	8 861	8 215	9 277	9 116	9 868	9 295
Beverages	9 624	11 475	10 310	10 115	10 711	9 906
Textiles, clothing, leather and footwear	4 409	5 006	4 333	4 750	4 622	4 772
Textiles	687	752	657	766	705	710
Other textile products	1 148	1 236	1 066	1 224	1 227	1 203
Knitted, crocheted articles	223	256	228	251	233	243
Wearing apparel	1 393	1 704	1 407	1 552	1 435	1 689
Leather and leather products	561	586	557	563	599	481
Footwear	398	472	417	394	423	446
Wood and wood products, paper, publishing and printing	12 426	13 428	11 047	13 006	13 234	12 777
Sawmilling and planing of wood	917	1 087	741	1 052	1 016	1 059
Products of wood	1 608	1 760	1 457	1 677	1 925	1 626
Paper and paper products	5 978	6 690	5 407	6 301	6 505	5 972
Publishing	1 515	1 460	1 381	1 509	1 486	1 552
Printing, recorded media	2 408	2 431	2 062	2 467	2 303	2 568
Petroleum, chemical products, rubber and plastic products	33 418	36 416	33 199	37 866	37 782	36 588
Coke, petroleum products and nuclear fuel	10 266	10 486	11 048	12 296	11 804	11 823
Basic chemicals	7 098	7 983	6 881	8 121	7 791	7 320
Other chemical products	9 495	11 124	9 420	10 690	11 214	10 670
Rubber products	1 492	1 572	1 226	1 478	1 531	1 407
Plastic products	5 066	5 249	4 624	5 281	5 443	5 369
Glass and non-metallic mineral products	4 462	5 564	4 548	5 613	5 560	5 650
Glass and glass products	682	768	681	915	887	947
Non-metallic mineral products	3 780	4 796	3 866	4 698	4 673	4 703
Basic iron and steel, non-ferrous metal products, metal products and machinery	35 614	40 867	35 594	39 302	39 140	36 979
Basic iron and steel products	10 287	12 054	11 724	11 435	11 195	10 076
Non-ferrous metal products	7 863	8 773	8 200	9 275	8 732	8 393
Structural metal products	3 048	3 058	2 371	2 883	3 251	2 913
Other fabricated metal products	5 916	6 577	5 527	6 682	6 645	6 420
General purpose machinery	3 140	3 362	2 898	3 442	3 320	3 102
Special purpose machinery	4 261	5 810	3 890	4 488	4 816	5 029
Household appliances	1 098	1 234	984	1 096	1 180	1 047
Electrical machinery	4 629	5 131	3 740	4 690	5 015	4 650
Radio, television and communication apparatus and professional equipment	2 133	2 423	2 238	2 167	2 111	2 248
Radio, television and communication apparatus	1 283	1 495	1 215	1 320	1 295	1 431
Professional equipment	850	927	1 022	846	816	817
Motor vehicles, parts and accessories and other transport equipment	21 914	26 064	18 485	24 062	26 803	24 607
Motor vehicles	11 702	13 920	9 787	13 252	14 829	14 122
Bodies for motor vehicles, trailers and semi-trailers	992	1 141	860	1 153	1 068	1 016
Parts and accessories	6 664	7 326	5 666	7 275	7 154	7 166
Other transport equipment	2 555	3 676	2 172	2 382	3 752	2 303
Furniture and other manufacturing	6 164	5 946	5 514	7 133	6 815	6 432
Furniture	1 256	1 317	1 157	1 339	1 298	1 353
Other manufacturing groups	4 908	4 629	4 356	5 794	5 517	5 078
Total	163 412	183 141	158 508	179 622	183 280	175 041

¹ The latest three months are preliminary.

* Revised, see note on page 6.

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

Manufacturing division and major group	Feb-17	Mar-17	Apr-17	May-17	Jun-17	Jul-17
Food and beverages	5,9	3,9	5,4	2,7	2,7	0,6
Meat, fish, fruit, etc.	10,8	3,4	5,1	5,3	4,8	2,0
Dairy products	-0,5	6,4	5,4	8,8	4,2	4,1
Grain mill products	-6,3	-4,9	-12,4	-13,0	-15,6	-14,7
Other food products	22,5	11,2	8,5	7,4	7,6	0,3
Beverages	-1,6	4,4	15,8	5,4	8,4	9,4
Textiles, clothing, leather and footwear	-3,2	6,8	-7,1	-0,7	-0,9	-1,5
Textiles	-2,4	0,9	-3,8	5,7	6,7	6,0
Other textile products	-1,7	11,5	-13,5	-2,1	4,2	-2,2
Knitted, crocheted articles	-1,3	5,3	-6,9	-1,2	5,9	3,4
Wearing apparel	-4,8	9,7	-4,5	-2,3	-7,4	-5,2
Leather and leather products	-6,8	2,1	-3,6	-0,2	-2,3	3,7
Footwear	1,8	2,2	-7,5	-2,5	-4,3	-3,9
Wood and wood products, paper, publishing and printing	1,4	4,0	-1,0	6,6	-0,1	0,6
Sawmilling and planing of wood	0,9	18,0	-24,8	5,4	18,1	2,8
Products of wood	-3,7	-2,4	-12,3	1,5	11,0	-1,5
Paper and paper products	4,9	4,1	1,8	9,8	-1,3	1,4
Publishing	-0,1	1,0	6,6	1,2	-10,5	5,4
Printing, recorded media	-2,2	5,1	8,4	6,4	-4,2	-3,1
Petroleum, chemical products, rubber and plastic products	0,9	6,4	1,0	4,9	4,0	0,8
Coke, petroleum products and nuclear fuel	13,1	-1,0	4,2	0,3	0,3	-1,5
Basic chemicals	-7,5	10,4	-0,7	11,0	0,2	-1,1
Other chemical products	-2,0	11,2	3,7	6,0	9,4	6,4
Rubber products	11,6	16,0	-9,5	5,5	6,1	0,1
Plastic products	-5,4	4,1	-5,5	5,1	6,8	-1,8
Glass and non-metallic mineral products	-8,6	12,2	-8,7	4,0	3,0	5,1
Glass and glass products	-11,5	1,1	-10,3	-1,1	-3,4	7,1
Non-metallic mineral products	-8,0	14,3	-8,5	5,1	4,4	4,7
Basic iron and steel, non-ferrous metal products, metal products and machinery	1,9	15,0	4,6	7,0	3,6	6,7
Basic iron and steel products	10,7	32,8	23,4	9,7	3,4	15,0
Non-ferrous metal products	-4,5	8,5	0,1	4,1	-1,4	4,0
Structural metal products	-0,1	7,8	-8,9	1,9	10,6	3,9
Other fabricated metal products	-0,3	10,1	-1,3	9,4	8,5	2,7
General purpose machinery	7,2	7,8	-1,4	11,2	-7,0	1,3
Special purpose machinery	-1,1	11,6	-5,2	7,4	14,4	9,2
Household appliances	-8,7	-0,2	-9,5	-7,4	-4,2	-3,2
Electrical machinery	-11,6	-15,5	-20,7	-1,8	-6,5	-7,7
Radio, television and communication apparatus and professional equipment	4,7	18,0	27,2	9,1	-7,8	0,2
Radio, television and communication apparatus	9,5	30,0	23,2	15,7	-5,8	2,2
Professional equipment	-1,7	2,5	32,4	0,2	-10,7	-3,3
Motor vehicles, parts and accessories and other transport equipment	-0,3	11,1	-20,7	-2,1	5,4	2,1
Motor vehicles	2,6	15,3	-20,3	0,8	15,5	5,9
Bodies for motor vehicles, trailers and semi-trailers	6,7	27,5	-9,1	14,7	4,4	-4,6
Parts and accessories	-6,4	-0,3	-25,2	-10,1	-7,2	-4,0
Other transport equipment	1,8	17,0	-13,6	2,4	-2,7	2,8
Furniture and other manufacturing	6,0	10,4	-0,8	0,7	13,3	7,8
Furniture	12,7	26,9	1,1	8,6	3,5	2,4
Other manufacturing groups	4,3	6,5	-1,3	-1,0	15,9	9,3
Total	1,5	7,7	-1,4	3,5	3,2	2,2

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

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

Manufacturing division and major group	Mar-17	Apr-17	May-17	Jun-17	Jul-17	Month-on-month % change
Food and beverages	41 873	43 174	42 421	43 065	43 036	-0,1
Meat, fish, fruit, etc.	11 693	12 117	12 126	12 241	12 249	0,1
Dairy products	3 472	3 434	3 501	3 447	3 414	-1,0
Grain mill products	6 191	6 128	6 022	5 932	5 943	0,2
Other food products	9 104	9 460	9 476	9 628	9 574	-0,6
Beverages	11 413	12 036	11 296	11 818	11 856	0,3
Textiles, clothing, leather and footwear	4 658	4 571	4 668	4 632	4 756	2,7
Textiles	667	697	708	698	744	6,6
Other textile products	1 154	1 123	1 160	1 165	1 196	2,7
Knitted, crocheted articles	217	222	222	226	232	2,7
Wearing apparel	1 617	1 487	1 584	1 553	1 600	3,0
Leather and leather products	546	583	548	556	534	-4,0
Footwear	456	460	446	434	449	3,5
Wood and wood products, paper, publishing and printing	12 827	13 039	13 406	13 009	13 056	0,4
Sawmilling and planing of wood	989	835	1 014	987	988	0,1
Products of wood	1 652	1 621	1 710	1 808	1 691	-6,5
Paper and paper products	6 208	6 266	6 483	6 199	6 263	1,0
Publishing	1 550	1 612	1 604	1 571	1 582	0,7
Printing, recorded media	2 428	2 706	2 596	2 444	2 533	3,6
Petroleum, chemical products, rubber and plastic products	36 077	36 765	37 145	37 051	37 198	0,4
Coke, petroleum products and nuclear fuel	11 115	11 303	11 280	11 260	11 356	0,9
Basic chemicals	7 895	7 991	8 091	7 832	7 767	-0,8
Other chemical products	10 480	10 810	10 890	10 952	11 197	2,2
Rubber products	1 367	1 394	1 449	1 451	1 406	-3,1
Plastic products	5 220	5 267	5 436	5 556	5 472	-1,5
Glass and non-metallic mineral products	5 352	5 145	5 407	5 251	5 442	3,6
Glass and glass products	895	818	988	886	934	5,4
Non-metallic mineral products	4 457	4 328	4 418	4 366	4 508	3,3
Basic iron and steel, non-ferrous metal products, metal products and machinery	37 494	38 272	37 739	36 955	37 277	0,9
Basic iron and steel products	11 222	11 983	10 603	10 367	10 429	0,6
Non-ferrous metal products	8 502	8 529	8 953	8 476	8 621	1,7
Structural metal products	2 787	2 810	2 846	2 986	2 936	-1,7
Other fabricated metal products	6 137	6 138	6 366	6 322	6 277	-0,7
General purpose machinery	3 242	3 188	3 414	3 043	3 134	3,0
Special purpose machinery	4 533	4 523	4 490	4 669	4 780	2,4
Household appliances	1 070	1 102	1 068	1 091	1 099	0,7
Electrical machinery	4 539	4 314	4 793	4 626	4 568	-1,3
Radio, television and communication apparatus and professional equipment	2 364	2 626	2 356	2 219	2 285	3,0
Radio, television and communication apparatus	1 518	1 517	1 518	1 432	1 438	0,4
Professional equipment	847	1 109	838	787	847	7,6
Motor vehicles, parts and accessories and other transport equipment	22 939	21 816	23 231	24 351	24 336	-0,1
Motor vehicles	12 565	11 730	12 769	13 675	13 677	0,0
Bodies for motor vehicles, trailers and semi-trailers	992	973	1 052	995	990	-0,5
Parts and accessories	6 453	6 432	6 710	6 711	6 868	2,3
Other transport equipment	2 930	2 681	2 701	2 971	2 800	-5,8
Furniture and other manufacturing	5 901	5 987	7 016	6 661	6 443	-3,3
Furniture	1 406	1 333	1 314	1 292	1 323	2,4
Other manufacturing groups	4 495	4 654	5 702	5 369	5 119	-4,7
Total	174 025	175 709	178 182	177 820	178 396	0,3

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 2015. 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 July 2017 was 81,1%. The collection rate for June 2017 for the new sample was 82,6%.
- 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 3 192 enterprises from a population of 47 438 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 2017 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	1 913 350	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 2015. 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.

Period	Source
1998 to 2000	1996 Census of manufacturing
2001 to 2004	2001 LSS
2005 to 2009	2005 LSS
2010 to 2017	National accounts

- 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 division and major group	Weights used for manufacturing indices by period		
	2013 (based on value added for 2013)	2014 (based on value added for 2013 – 2014)	2015 – 2017 (based on value added for 2013 – 2015)
Food and beverages	24,53	24,72	25,15
Meat, fish, fruit, etc.	5,99	6,26	6,39
Dairy products	1,81	1,84	1,89
Grain mill products	2,61	2,75	2,86
Other food products	7,78	7,61	7,62
Beverages	6,34	6,26	6,39
Textiles, clothing, leather and footwear	3,34	3,33	3,28
Textiles	0,89	0,86	0,83
Other textile products	0,36	0,40	0,41
Knitted, crocheted articles	0,09	0,09	0,09
Wearing apparel	1,13	1,12	1,10
Leather and leather products	0,50	0,50	0,49
Footwear	0,37	0,36	0,36
Wood and wood products, paper, publishing and printing	12,62	11,73	11,62
Sawmilling and planing of wood	1,81	1,70	1,71
Products of wood	2,47	2,29	2,37
Paper and paper products	4,96	4,44	4,33
Publishing	1,55	1,52	1,49
Printing, recorded media	1,83	1,78	1,72
Petroleum, chemical products, rubber and plastic products	23,58	24,04	24,01
Coke, petroleum products and nuclear fuel	9,01	9,34	9,29
Basic chemicals	4,08	4,26	4,36
Other chemical products	6,21	6,11	6,16
Rubber products	1,35	1,37	1,34
Plastic products	2,93	2,96	2,86
Glass and non-metallic mineral products	4,15	4,14	3,90
Glass and glass products	0,83	0,78	0,74
Non-metallic mineral products	3,32	3,36	3,16
Basic iron and steel, non-ferrous metal products, metal products and machinery	18,77	18,69	18,72
Basic iron and steel products	3,27	3,27	3,44
Non-ferrous metal products (including precious metals)	3,11	2,93	2,73
Structural metal products	1,83	1,83	1,86
Other fabricated metal products	3,92	3,86	3,86
General purpose machinery	2,37	2,46	2,51
Special purpose machinery	3,44	3,52	3,51
Household appliances	0,83	0,82	0,81
Electrical machinery	1,67	1,65	1,65
Radio, television and communication apparatus and professional equipment	1,55	1,63	1,61
Radio, television and communication apparatus	0,90	0,96	0,93
Professional equipment	0,65	0,67	0,68
Motor vehicles, parts and accessories and other transport equipment	6,85	6,91	6,86
Motor vehicles	2,47	2,44	2,43
Bodies for motor vehicles, trailers and semi-trailers	0,44	0,49	0,46
Parts and accessories	2,78	2,78	2,76
Other transport equipment	1,16	1,20	1,21
Furniture and other manufacturing	2,94	3,16	3,20
Furniture	1,06	1,07	1,09
Other manufacturing groups	1,88	2,09	2,11
Total	100	100	100

- 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 June 2017](#)
- 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 *Standard Industrial Classification of all Economic Activities (SIC)*, Fifth Edition, Report No. 09-90-02 of January 1993.

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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