



The South Africa I know, the home I understand

Statistical release

P3041.2

Manufacturing: Production and sales (Preliminary)

January 2016

**Embargoed until:
10 March 2016
13:00**

Enquiries:

Nicolai Claassen
Tel. (012) 310 8007

Forthcoming issue:

February 2016

Expected release date

7 April 2016

Contents

Production: results for January 2016 **2**

Table A – Key growth rates in the volume of manufacturing production 2

Table B – Seasonally adjusted manufacturing production for the latest three months by division and major group (Base: 2010=100) 3

Figure 1 – Volume of manufacturing production (Base: 2010=100) 4

Figure 2 – Volume of manufacturing production (Base: 2010=100): year-on-year percentage change 4

Sales: results for January 2016 **5**

Table C – Key growth rates in manufacturing sales at current prices 5

Table D – Seasonally adjusted manufacturing sales at current prices for the latest three months by division 5

Tables **6**

Table 1 – Index of the volume of manufacturing production (Base: 2010=100) 6

Table 2 – Year-on-year percentage change in the volume of manufacturing production 6

Table 3 – Seasonally adjusted volume of manufacturing production 6

Table 4 – Index of the volume of manufacturing production by division and major group (Base: 2010=100) 7

Table 5 – Year-on-year percentage change in the volume of manufacturing production by division and major group (Base: 2010=100) 8

Table 6 – Contribution of each division and major group to the year-on-year percentage change in the volume of manufacturing production (percentage points) 9

Table 7 – Seasonally adjusted index of the volume of manufacturing production by division and major group (Base: 2010=100) 10

Table 8 – Manufacturing sales at current prices (R million) 11

Table 9 – Year-on-year percentage change in manufacturing sales at current prices 11

Table 10 – Seasonally adjusted manufacturing sales at current prices 11

Table 11 – Manufacturing sales at current prices by division and major group (R million) 12

Table 12 – Year-on-year percentage change in manufacturing sales at current prices by division and major group 13

Table 13 – Contribution of each division and major group to the year-on-year percentage change in manufacturing sales at current prices (percentage points) 14

Table 14 – Seasonally adjusted manufacturing sales at current prices by division and major group (R million) 15

Survey information **16**

Technical notes **17**

Table E – Weights by division and major group 19

Glossary **21**

Technical enquiries **21**

General information **22**

Production: results for January 2016

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

	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15	Jan-16
Year-on-year % change, unadjusted	-0,4	1,3	-2,3	-1,2	0,5	-2,5
Month-on-month % change, seasonally adjusted	0,3	2,4	-1,9	-1,2	1,9	-1,8
3-month % change, seasonally adjusted ¹	-0,4	1,3	1,6	0,8	-0,5	-1,1

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

Manufacturing production decreased by 2,5% in January 2016 compared with January 2015. The largest negative contributions were made by the following divisions:

- basic iron and steel, non-ferrous metal products, metal products and machinery (-10,2% and contributing -1,9 percentage points);
- motor vehicles, parts and accessories and other transport equipment (-11,6% and contributing -0,9 of a percentage point); and
- furniture and ‘other’ manufacturing (-19,3% and contributing -0,6 of a percentage point).

The largest positive contributions were made by the wood and wood products, paper, publishing and printing division (5,1% and contributing 0,6 of a percentage point) and the radio, television and communication apparatus and professional equipment division (37,1% and contributing 0,5 of a percentage point) – see Tables 5 and 6.

Seasonally adjusted manufacturing production decreased by 1,8% in January 2016 compared with December 2015. This followed month-on-month changes of 1,9% in December 2015 and -1,2% in November 2015 – see Table A.

Seasonally adjusted manufacturing production decreased by 1,1% in the three months ended January 2016 compared with the previous three months. Seven of the ten manufacturing divisions reported negative growth rates over this period.

The main negative contributors to the 1,1% decrease were the food and beverages division (-1,5% and contributing -0,4 of a percentage point) and the furniture and ‘other’ manufacturing division (-8,7% 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: 2010=100)

Manufacturing division and major group	Weight (2012)	Aug – Oct 2015	Nov 2015 – Jan 2016	% change between Aug – Oct 2015 and Nov 2015 – Jan 2016	Contribution (% points) to the total % change
Food and beverages	24,44	115,0	113,3	-1,5	-0,4
Meat, fish, fruit, etc.	5,39	121,7	122,5	0,7	0,0
Dairy products	1,78	117,4	117,1	-0,3	0,0
Grain mill products	2,86	104,1	106,1	1,9	0,1
Other food products	7,73	108,6	105,3	-3,0	-0,2
Beverages	6,68	120,9	117,3	-3,0	-0,2
Textiles, clothing, leather and footwear	3,17	96,4	95,7	-0,7	0,0
Textiles	0,74	85,0	84,6	-0,5	0,0
Other textile products	0,47	91,0	87,9	-3,4	0,0
Knitted, crocheted articles	0,10	55,3	52,3	-5,4	0,0
Wearing apparel	1,19	101,3	99,6	-1,7	0,0
Leather and leather products	0,28	123,9	118,8	-4,1	0,0
Footwear	0,39	99,7	107,9	8,2	0,0
Wood and wood products, paper, publishing and printing	12,65	104,2	104,5	0,3	0,0
Sawmilling and planing of wood	1,83	126,9	124,7	-1,7	0,0
Products of wood	2,55	102,0	103,2	1,2	0,0
Paper and paper products	4,89	106,5	107,6	1,0	0,1
Publishing	1,51	92,6	91,3	-1,4	0,0
Printing, recorded media	1,87	88,1	89,2	1,2	0,0
Petroleum, chemical products, rubber and plastic products	22,13	111,2	110,3	-0,8	-0,2
Coke, petroleum products and nuclear fuel	7,77	104,3	103,2	-1,1	-0,1
Basic chemicals	3,81	118,8	113,5	-4,5	-0,2
Other chemical products	6,49	119,6	120,5	0,8	0,1
Rubber products	1,00	108,8	104,6	-3,9	0,0
Plastic products	3,06	102,1	104,7	2,5	0,1
Glass and non-metallic mineral products	3,91	99,5	95,4	-4,1	-0,1
Glass and glass products	0,78	94,0	94,5	0,5	0,0
Non-metallic mineral products	3,13	100,9	95,6	-5,3	-0,2
Basic iron and steel, non-ferrous metal products, metal products and machinery	19,59	97,2	96,9	-0,3	-0,1
Basic iron and steel products	3,38	78,9	85,9	8,9	0,2
Non-ferrous metal products	3,18	91,4	92,2	0,9	0,0
Structural metal products	1,89	81,0	78,8	-2,7	0,0
Other fabricated metal products	4,40	117,0	116,1	-0,8	0,0
General purpose machinery	2,44	82,9	77,5	-6,5	-0,1
Special purpose machinery	3,44	112,3	108,7	-3,2	-0,1
Household appliances	0,86	106,7	106,1	-0,6	0,0
Electrical machinery	1,70	111,9	116,3	3,9	0,1
Radio, television and communication apparatus and professional equipment	1,41	141,2	149,8	6,1	0,1
Radio, television and communication apparatus	0,90	161,9	172,6	6,6	0,1
Professional equipment	0,51	104,3	109,1	4,6	0,0
Motor vehicles, parts and accessories and other transport equipment	7,39	108,3	105,0	-3,0	-0,2
Motor vehicles	2,98	125,3	116,8	-6,8	-0,2
Bodies for motor vehicles, trailers and semi-trailers	0,43	114,4	114,9	0,4	0,0
Parts and accessories	2,77	91,2	92,4	1,3	0,0
Other transport equipment	1,21	103,5	101,1	-2,3	0,0
Furniture and other manufacturing	3,61	93,2	85,1	-8,7	-0,3
Furniture	1,08	106,8	104,0	-2,6	0,0
Other manufacturing groups	2,53	87,4	77,1	-11,8	-0,2
Total	100	107,2	106,0	-1,1	-1,1

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

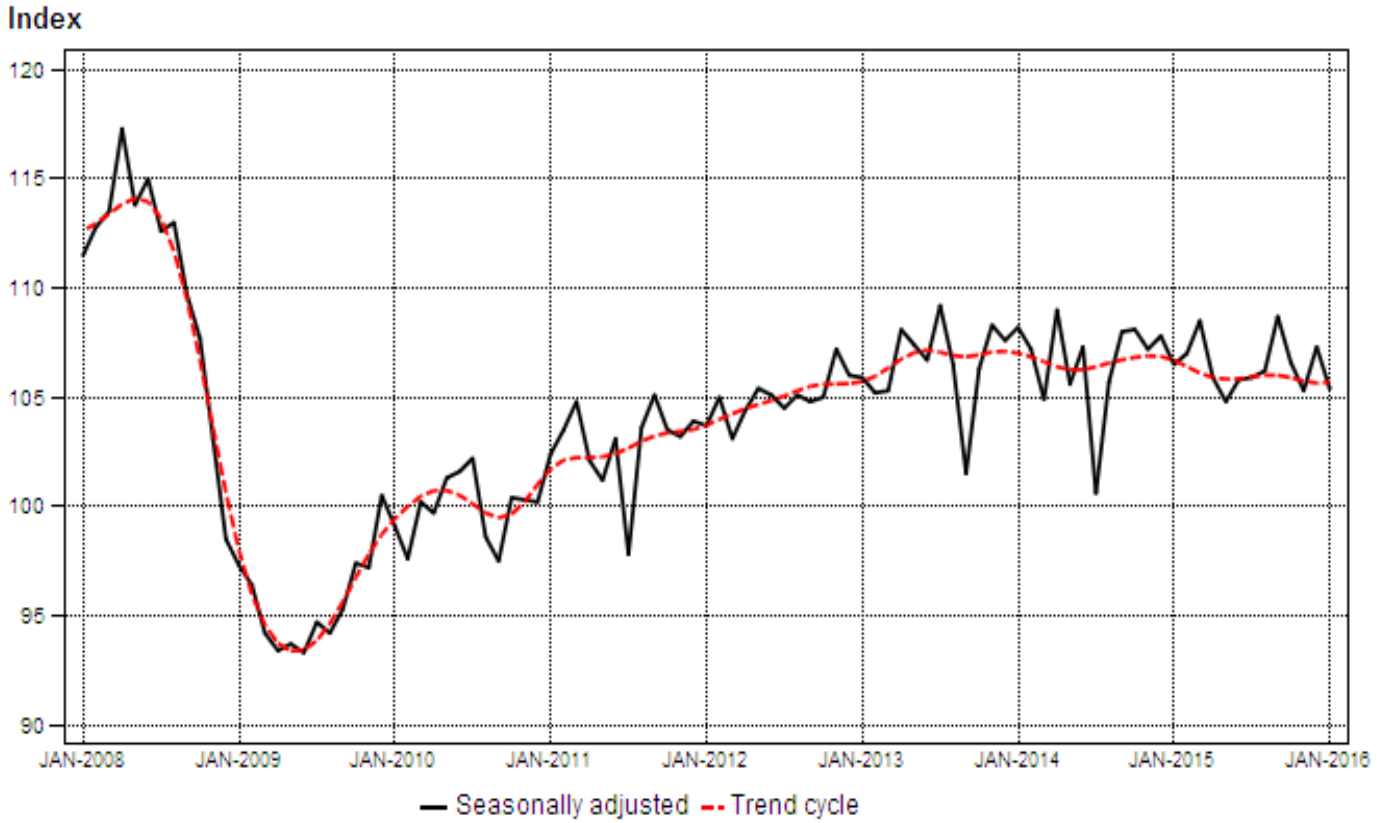
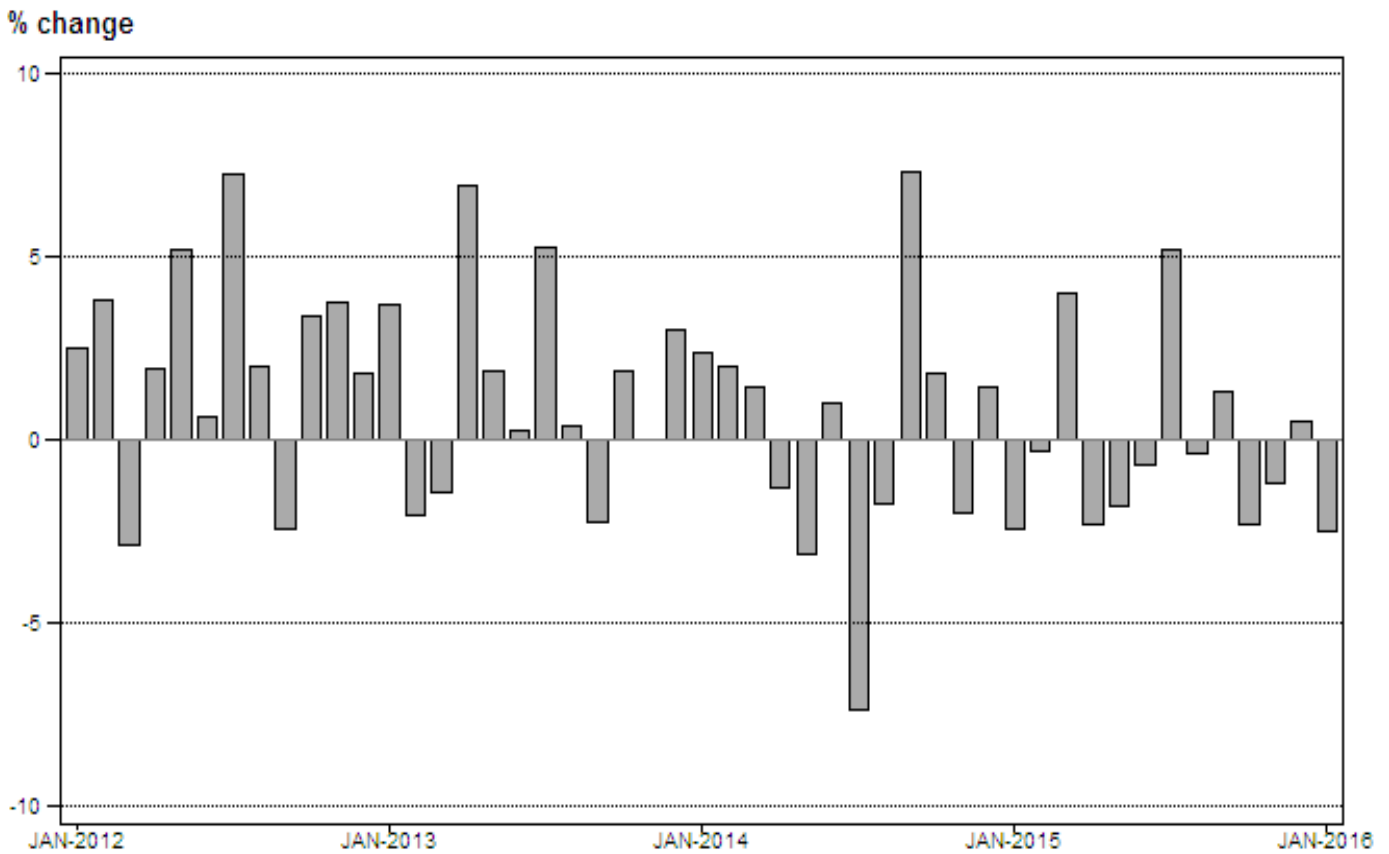


Figure 2 – Volume of manufacturing production (Base: 2010=100): year-on-year percentage change



Sales: results for January 2016

Table C – Key growth rates in manufacturing sales at current prices

	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15	Jan-16
Year-on-year % change, unadjusted	0,0	2,6	-1,5	1,8	1,9	3,4
Month-on-month % change, seasonally adjusted	-0,4	2,3	-0,1	-1,5	-0,1	1,4
3-month % change, seasonally adjusted ¹	0,8	1,9	1,5	1,7	0,2	-0,5

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

Seasonally adjusted manufacturing sales increased by 1,4% in January 2016 compared with December 2015. This followed month-on-month changes of -0,1% in December 2015 and -1,5% in November 2015 – see Table C.

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

Manufacturing division	Aug – Oct 2015 (R million)	Nov 2015 – Jan 2016 (R million)	% change between Aug – Oct 2015 and Nov 2015 – Jan 2016	Contribution (% points) to the total % change
Food and beverages	108 239	110 642	2,2	0,5
Textiles, clothing, leather and footwear	12 982	12 991	0,1	0,0
Wood and wood products, paper, publishing and printing	36 383	37 015	1,7	0,1
Petroleum, chemical products, rubber and plastic products	109 482	107 255	-2,0	-0,5
Glass and non-metallic mineral products	13 873	13 866	-0,1	0,0
Basic iron and steel, non-ferrous metal products, metal products and machinery	95 993	95 008	-1,0	-0,2
Electrical machinery	14 704	15 363	4,5	0,1
Radio, television and communication apparatus and professional equipment	5 265	5 752	9,2	0,1
Motor vehicles, parts and accessories and other transport equipment	62 138	58 842	-5,3	-0,7
Furniture and other manufacturing	14 931	14 930	0,0	0,0
Total	473 990	471 663	-0,5	-0,5

**PJ Lehohla
Statistician-General**

Tables

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

Month	2010	2011	2012	2013	2014	2015 ¹	2016 ¹
Jan	84,5	86,7	88,9	92,2	94,4	92,1	89,8
Feb	92,2	98,4	102,2	100,1	102,1	101,8	
Mar	103,8	109,3	106,2	104,7	106,2	110,5	
Apr	93,4	93,4	95,2	101,8	100,5	98,2	
May	100,6	101,6	106,9	108,9	105,5	103,6	
Jun	102,9	104,2	104,9	105,2	106,3	105,6	
Jul	105,3	98,9	106,1	111,7	103,5	108,9	
Aug	101,6	107,8	110,0	110,4	108,5	108,1	
Sep	102,2	110,4	107,7	105,3	113,0	114,5	
Oct	110,3	112,9	116,7	118,9	121,1	118,3	
Nov	112,2	116,6	121,0	121,0	118,6	117,2	
Dec	91,0	93,5	95,2	98,1	99,5	100,0	
Total	100,0	102,8	105,1	106,5	106,6	106,6	

¹ 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	3,7	2,4	-2,4	-2,5	-2,5
Feb	6,7	3,9	-2,1	2,0	-0,3		
Mar	5,3	-2,8	-1,4	1,4	4,0		
Apr	0,0	1,9	6,9	-1,3	-2,3		
May	1,0	5,2	1,9	-3,1	-1,8		
Jun	1,3	0,7	0,3	1,0	-0,7		
Jul	-6,1	7,3	5,3	-7,3	5,2		
Aug	6,1	2,0	0,4	-1,7	-0,4		
Sep	8,0	-2,4	-2,2	7,3	1,3		
Oct	2,4	3,4	1,9	1,9	-2,3		
Nov	3,9	3,8	0,0	-2,0	-1,2		
Dec	2,7	1,8	3,0	1,4	0,5		
Total	2,8	2,2	1,3	0,1	0,0		

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	106,5	105,4	-0,1	0,6	-1,2	-1,8
Feb	105,2	107,2	107,0		-0,7	-0,9	0,5	
Mar	105,3	104,9	108,5		0,1	-2,1	1,4	
Apr	108,1	109,0	105,9		2,7	3,9	-2,4	
May	107,4	105,6	104,8		-0,6	-3,1	-1,0	
Jun	106,7	107,3	105,8		-0,7	1,6	1,0	
Jul	109,2	100,6	105,9		2,3	-6,2	0,1	
Aug	106,5	105,7	106,2		-2,5	5,1	0,3	
Sep	101,5	108,0	108,7		-4,7	2,2	2,4	
Oct	106,3	108,1	106,6		4,7	0,1	-1,9	
Nov	108,3	107,2	105,3		1,9	-0,8	-1,2	
Dec	107,6	107,8	107,3		-0,6	0,6	1,9	

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

Manufacturing division and major group	Weight (2012)	Aug-15	Sep-15	Oct-15	¹ Nov-15	¹ Dec-15	¹ Jan-16
Food and beverages	24,44	114,4	123,4	126,3	120,2	131,9	94,2
Meat, fish, fruit, etc.	5,39	121,3	124,3	126,9	132,4	133,1	99,8
Dairy products	1,78	108,1	122,7	134,6	123,5	135,9	112,1
Grain mill products	2,86	108,8	106,8	105,1	109,9	109,5	97,2
Other food products	7,73	118,1	119,9	124,9	100,6	106,1	76,3
Beverages	6,68	108,5	134,1	134,2	136,7	169,5	104,2
Textiles, clothing, leather and footwear	3,17	97,0	102,8	112,6	112,8	72,7	72,4
Textiles	0,74	83,9	90,7	91,2	95,4	55,3	68,3
Other textile products	0,47	88,7	91,0	110,9	103,7	64,4	69,8
Knitted, crocheted articles	0,10	52,0	53,9	62,9	60,5	33,3	42,1
Wearing apparel	1,19	104,4	108,6	121,2	125,4	82,7	66,3
Leather and leather products	0,28	120,8	126,0	126,4	124,9	106,3	110,3
Footwear	0,39	102,9	117,4	131,3	122,2	71,3	82,3
Wood and wood products, paper, publishing and printing	12,65	106,8	115,4	113,6	117,9	95,3	92,0
Sawmilling and planing of wood	1,83	123,7	135,2	137,0	130,3	106,0	107,8
Products of wood	2,55	105,1	112,0	116,9	116,5	80,2	86,5
Paper and paper products	4,89	109,6	121,1	108,2	113,4	105,0	101,8
Publishing	1,51	100,4	103,0	108,1	113,9	97,5	75,0
Printing, recorded media	1,87	90,3	95,9	104,7	122,8	78,5	72,2
Petroleum, chemical products, rubber and plastic products	22,13	109,3	113,6	123,3	120,9	106,7	102,3
Coke, petroleum products and nuclear fuel	7,77	94,1	100,6	114,6	109,9	109,6	107,3
Basic chemicals	3,81	123,8	118,6	129,9	128,6	111,0	106,5
Other chemical products	6,49	121,8	131,0	131,6	128,9	115,8	102,5
Rubber products	1,00	106,5	104,4	120,5	113,5	69,8	90,5
Plastic products	3,06	104,3	106,8	120,4	124,9	86,9	88,1
Glass and non-metallic mineral products	3,91	100,9	110,9	111,6	111,2	72,1	76,9
Glass and glass products	0,78	98,0	106,4	109,5	112,2	88,0	83,1
Non-metallic mineral products	3,13	101,6	112,0	112,1	111,0	68,1	75,3
Basic iron and steel, non-ferrous metal products, metal products and machinery	19,59	100,1	103,8	104,4	104,4	82,0	80,3
Basic iron and steel products	3,38	76,4	80,4	81,3	80,5	80,2	85,4
Non-ferrous metal products	3,18	93,9	93,2	98,0	92,0	81,8	89,8
Structural metal products	1,89	84,4	84,7	90,0	87,0	62,5	63,3
Other fabricated metal products	4,40	120,5	131,0	131,4	132,8	83,9	92,6
General purpose machinery	2,44	91,9	85,9	88,7	89,2	69,2	59,3
Special purpose machinery	3,44	114,8	122,9	114,9	120,0	101,4	74,4
Household appliances	0,86	110,0	113,6	114,6	118,7	82,7	83,9
Electrical machinery	1,70	116,8	123,4	116,2	129,5	91,7	88,1
Radio, television and communication apparatus and professional equipment	1,41	150,1	154,8	162,4	178,9	144,1	111,2
Radio, television and communication apparatus	0,90	177,9	181,6	186,9	213,9	168,2	125,2
Professional equipment	0,51	100,5	107,0	118,8	116,5	101,1	86,2
Motor vehicles, parts and accessories and other transport equipment	7,39	114,3	116,6	124,0	126,3	64,7	84,3
Motor vehicles	2,98	141,7	133,8	147,4	153,2	56,5	88,5
Bodies for motor vehicles, trailers and semi-trailers	0,43	118,0	115,5	135,3	137,9	66,8	86,1
Parts and accessories	2,77	91,1	97,6	102,6	105,9	51,9	81,4
Other transport equipment	1,21	98,3	118,1	111,2	102,5	113,1	80,0
Furniture and other manufacturing	3,61	91,6	104,0	109,4	104,3	70,4	61,0
Furniture	1,08	106,5	118,0	137,9	140,2	90,0	62,6
Other manufacturing groups	2,53	85,2	97,9	97,2	88,9	62,0	60,4
Total	100	108,1	114,5	118,3	117,2	100,0	89,8

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: 2010=100)

Manufacturing division and major group	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15	Jan-16
Food and beverages	3,8	3,4	3,7	1,8	4,5	-1,3
Meat, fish, fruit, etc.	6,2	1,6	5,5	9,3	2,9	1,8
Dairy products	4,8	6,9	8,5	5,6	8,4	-5,5
Grain mill products	2,5	-0,7	-3,6	2,0	5,9	2,7
Other food products	4,3	-1,3	6,4	-10,3	1,0	4,7
Beverages	1,1	10,9	1,0	7,3	7,2	-8,4
Textiles, clothing, leather and footwear	-0,7	-1,6	-4,8	-4,0	-4,6	2,0
Textiles	13,2	-1,0	-5,5	-1,3	-1,3	6,9
Other textile products	-11,0	-7,7	-3,6	-8,0	-14,2	-11,9
Knitted, crocheted articles	8,8	-2,0	2,1	-9,8	-8,8	5,8
Wearing apparel	-1,4	1,7	-3,9	-2,6	-3,4	0,8
Leather and leather products	13,9	3,4	-2,8	-8,2	-8,6	2,7
Footwear	-15,0	-8,8	-9,4	-3,9	3,5	14,0
Wood and wood products, paper, publishing and printing	4,5	1,8	-4,1	-2,1	-2,2	5,1
Sawmilling and planing of wood	10,3	17,5	2,8	3,9	14,6	-1,0
Products of wood	0,2	-4,6	-3,8	-1,9	9,6	5,5
Paper and paper products	12,6	9,6	-1,4	-1,7	-5,1	14,0
Publishing	-3,4	-11,3	-13,5	-8,9	-12,3	-2,6
Printing, recorded media	-10,0	-14,4	-10,4	-3,2	-12,1	-7,0
Petroleum, chemical products, rubber and plastic products	3,3	6,2	1,7	-0,7	2,3	-0,3
Coke, petroleum products and nuclear fuel	8,7	15,6	9,8	1,1	-2,8	-4,1
Basic chemicals	4,7	1,9	-1,7	-6,3	-1,2	4,9
Other chemical products	1,6	6,5	-2,9	0,2	10,8	-0,2
Rubber products	8,1	-2,1	0,1	-4,6	3,9	-0,1
Plastic products	-6,8	-5,0	0,2	2,3	3,3	5,0
Glass and non-metallic mineral products	-1,7	6,2	-4,6	2,3	-1,1	2,3
Glass and glass products	0,7	14,0	0,7	7,4	0,9	4,8
Non-metallic mineral products	-2,2	4,6	-5,9	1,1	-1,7	1,5
Basic iron and steel, non-ferrous metal products, metal products and machinery	-8,9	-4,5	-9,8	-7,1	-6,1	-10,2
Basic iron and steel products	-22,8	-15,2	-18,8	-17,9	-7,2	-19,1
Non-ferrous metal products	-13,6	-8,1	-11,2	-8,6	-9,1	-4,7
Structural metal products	1,0	5,2	-7,4	-6,5	0,5	3,8
Other fabricated metal products	-7,5	-5,9	-6,2	-2,7	-7,6	-3,0
General purpose machinery	-3,6	-6,3	-14,4	-6,8	-11,4	-11,6
Special purpose machinery	-4,1	3,4	-4,8	-3,1	-1,4	-14,0
Household appliances	-2,8	10,2	-11,1	-11,3	0,9	-27,0
Electrical machinery	7,1	9,3	2,1	13,3	12,1	11,7
Radio, television and communication apparatus and professional equipment	-6,4	2,4	-5,4	1,8	14,2	37,1
Radio, television and communication apparatus	-10,2	4,7	-9,1	1,1	16,6	46,6
Professional equipment	7,7	-3,9	6,6	4,2	7,8	17,6
Motor vehicles, parts and accessories and other transport equipment	-4,2	-7,5	-6,5	4,0	-5,8	-11,6
Motor vehicles	-6,5	-16,7	-12,6	-0,2	-18,4	-25,6
Bodies for motor vehicles, trailers and semi-trailers	6,3	-5,0	-4,1	11,2	2,6	8,7
Parts and accessories	-4,0	-0,9	-0,1	7,7	-1,7	0,5
Other transport equipment	-0,1	12,2	1,9	7,7	7,7	4,7
Furniture and other manufacturing	-9,7	0,4	-10,3	-10,2	-3,8	-19,3
Furniture	-8,3	-4,2	-3,8	0,8	-3,9	-13,4
Other manufacturing groups	-10,3	2,8	-13,8	-16,4	-3,7	-21,7
Total	-0,4	1,3	-2,3	-1,2	0,5	-2,5

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 (2012)	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15	Jan-16
Food and beverages	24,44	0,9	0,9	0,9	0,4	1,4	-0,3
Meat, fish, fruit, etc.	5,39	0,4	0,1	0,3	0,5	0,2	0,1
Dairy products	1,78	0,1	0,1	0,2	0,1	0,2	-0,1
Grain mill products	2,86	0,1	0,0	-0,1	0,1	0,2	0,1
Other food products	7,73	0,3	-0,1	0,5	-0,8	0,1	0,3
Beverages	6,68	0,1	0,8	0,1	0,5	0,8	-0,7
Textiles, clothing, leather and footwear	3,17	0,0	0,0	-0,1	-0,1	-0,1	0,0
Textiles	0,74	0,1	0,0	0,0	0,0	0,0	0,0
Other textile products	0,47	0,0	0,0	0,0	0,0	-0,1	0,0
Knitted, crocheted articles	0,10	0,0	0,0	0,0	0,0	0,0	0,0
Wearing apparel	1,19	0,0	0,0	0,0	0,0	0,0	0,0
Leather and leather products	0,28	0,0	0,0	0,0	0,0	0,0	0,0
Footwear	0,39	-0,1	0,0	0,0	0,0	0,0	0,0
Wood and wood products, paper, publishing and printing	12,65	0,5	0,2	-0,5	-0,3	-0,3	0,6
Sawmilling and planing of wood	1,83	0,2	0,3	0,1	0,1	0,2	0,0
Products of wood	2,55	0,0	-0,1	-0,1	0,0	0,2	0,1
Paper and paper products	4,89	0,6	0,5	-0,1	-0,1	-0,3	0,7
Publishing	1,51	0,0	-0,2	-0,2	-0,1	-0,2	0,0
Printing, recorded media	1,87	-0,2	-0,3	-0,2	-0,1	-0,2	-0,1
Petroleum, chemical products, rubber and plastic products	22,13	0,7	1,3	0,4	-0,2	0,5	-0,1
Coke, petroleum products and nuclear fuel	7,77	0,5	0,9	0,7	0,1	-0,2	-0,4
Basic chemicals	3,81	0,2	0,1	-0,1	-0,3	0,0	0,2
Other chemical products	6,49	0,1	0,5	-0,2	0,0	0,7	0,0
Rubber products	1,00	0,1	0,0	0,0	0,0	0,0	0,0
Plastic products	3,06	-0,2	-0,2	0,0	0,1	0,1	0,1
Glass and non-metallic mineral products	3,91	-0,1	0,2	-0,2	0,1	0,0	0,1
Glass and glass products	0,78	0,0	0,1	0,0	0,1	0,0	0,0
Non-metallic mineral products	3,13	-0,1	0,1	-0,2	0,0	0,0	0,0
Basic iron and steel, non-ferrous metal products, metal products and machinery	19,59	-1,8	-0,8	-1,8	-1,3	-1,0	-1,9
Basic iron and steel products	3,38	-0,7	-0,4	-0,5	-0,5	-0,2	-0,7
Non-ferrous metal products	3,18	-0,4	-0,2	-0,3	-0,2	-0,3	-0,2
Structural metal products	1,89	0,0	0,1	-0,1	-0,1	0,0	0,0
Other fabricated metal products	4,40	-0,4	-0,3	-0,3	-0,1	-0,3	-0,1
General purpose machinery	2,44	-0,1	-0,1	-0,3	-0,1	-0,2	-0,2
Special purpose machinery	3,44	-0,2	0,1	-0,2	-0,1	0,0	-0,5
Household appliances	0,86	0,0	0,1	-0,1	-0,1	0,0	-0,3
Electrical machinery	1,70	0,1	0,2	0,0	0,2	0,2	0,2
Radio, television and communication apparatus and professional equipment	1,41	-0,1	0,0	-0,1	0,0	0,3	0,5
Radio, television and communication apparatus	0,90	-0,2	0,1	-0,1	0,0	0,2	0,4
Professional equipment	0,51	0,0	0,0	0,0	0,0	0,0	0,1
Motor vehicles, parts and accessories and other transport equipment	7,39	-0,3	-0,6	-0,5	0,3	-0,3	-0,9
Motor vehicles	2,98	-0,3	-0,7	-0,5	0,0	-0,4	-1,0
Bodies for motor vehicles, trailers and semi-trailers	0,43	0,0	0,0	0,0	0,1	0,0	0,0
Parts and accessories	2,77	-0,1	0,0	0,0	0,2	0,0	0,0
Other transport equipment	1,21	0,0	0,1	0,0	0,1	0,1	0,0
Furniture and other manufacturing	3,61	-0,3	0,0	-0,4	-0,4	-0,1	-0,6
Furniture	1,08	-0,1	0,0	0,0	0,0	0,0	-0,1
Other manufacturing groups	2,53	-0,2	0,1	-0,3	-0,4	-0,1	-0,5
Total	100	-0,4	1,3	-2,3	-1,2	0,5	-2,5

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 (2012)	Sep-15	Oct-15	Nov-15	Dec-15	Jan-16	Month-on-month % change
Food and beverages	24,44	114,3	116,4	110,8	117,4	111,8	-4,8
Meat, fish, fruit, etc.	5,39	119,4	123,5	123,1	122,7	121,8	-0,7
Dairy products	1,78	117,5	120,1	117,3	122,4	111,5	-8,9
Grain mill products	2,86	103,2	102,9	103,2	108,6	106,4	-2,0
Other food products	7,73	105,3	111,9	96,2	113,4	106,2	-6,3
Beverages	6,68	124,5	120,7	119,2	120,3	112,5	-6,5
Textiles, clothing, leather and footwear	3,17	96,7	96,1	94,8	94,4	97,8	3,6
Textiles	0,74	86,3	82,2	85,5	81,8	86,4	5,6
Other textile products	0,47	88,4	95,2	86,9	86,2	90,7	5,2
Knitted, crocheted articles	0,10	53,9	55,0	51,6	50,0	55,4	10,8
Wearing apparel	1,19	102,4	101,3	100,2	99,5	99,1	-0,4
Leather and leather products	0,28	126,5	117,1	112,5	120,9	122,9	1,7
Footwear	0,39	98,5	102,4	102,9	104,1	116,7	12,1
Wood and wood products, paper, publishing and printing	12,65	105,9	102,6	103,1	103,7	106,8	3,0
Sawmilling and planing of wood	1,83	130,4	124,9	122,4	127,8	123,8	-3,1
Products of wood	2,55	104,3	100,8	101,2	102,6	105,8	3,1
Paper and paper products	4,89	108,6	104,1	103,8	105,2	113,9	8,3
Publishing	1,51	92,2	91,2	91,7	92,2	90,0	-2,4
Printing, recorded media	1,87	87,8	88,4	94,1	87,0	86,5	-0,6
Petroleum, chemical products, rubber and plastic products	22,13	112,8	111,8	110,2	111,3	109,5	-1,6
Coke, petroleum products and nuclear fuel	7,77	107,4	110,0	106,4	102,1	101,1	-1,0
Basic chemicals	3,81	118,8	115,8	113,6	112,3	114,7	2,1
Other chemical products	6,49	122,4	115,5	116,2	125,8	119,6	-4,9
Rubber products	1,00	103,4	110,1	105,3	106,0	102,4	-3,4
Plastic products	3,06	101,6	104,0	104,4	104,5	105,3	0,8
Glass and non-metallic mineral products	3,91	103,3	97,9	98,1	90,4	97,7	8,1
Glass and glass products	0,78	98,9	91,9	94,9	92,6	96,0	3,7
Non-metallic mineral products	3,13	104,4	99,4	98,9	89,9	98,1	9,1
Basic iron and steel, non-ferrous metal products, metal products and machinery	19,59	99,7	95,2	95,7	98,4	96,5	-1,9
Basic iron and steel products	3,38	80,7	78,6	81,3	92,3	84,2	-8,8
Non-ferrous metal products	3,18	93,7	90,7	92,2	91,6	92,9	1,4
Structural metal products	1,89	82,9	77,5	76,5	79,9	80,0	0,1
Other fabricated metal products	4,40	120,7	116,1	115,9	114,7	117,7	2,6
General purpose machinery	2,44	82,3	79,3	78,9	77,5	76,1	-1,8
Special purpose machinery	3,44	116,5	108,0	107,4	111,2	107,5	-3,3
Household appliances	0,86	108,9	103,1	104,8	112,6	101,0	-10,3
Electrical machinery	1,70	114,8	108,7	115,9	119,5	113,5	-5,0
Radio, television and communication apparatus and professional equipment	1,41	144,7	140,7	147,0	160,0	142,4	-11,0
Radio, television and communication apparatus	0,90	170,9	158,5	169,2	189,1	159,4	-15,7
Professional equipment	0,51	98,1	109,1	107,3	108,1	112,0	3,6
Motor vehicles, parts and accessories and other transport equipment	7,39	109,4	106,5	109,1	101,7	104,2	2,5
Motor vehicles	2,98	125,3	119,1	126,5	110,2	113,7	3,2
Bodies for motor vehicles, trailers and semi-trailers	0,43	113,5	113,7	115,3	104,8	124,6	18,9
Parts and accessories	2,77	90,6	94,1	93,7	89,8	93,7	4,3
Other transport equipment	1,21	112,0	101,5	99,2	106,7	97,3	-8,8
Furniture and other manufacturing	3,61	101,0	89,2	84,9	90,3	80,1	-11,3
Furniture	1,08	109,4	107,0	106,3	107,5	98,1	-8,7
Other manufacturing groups	2,53	97,4	81,6	75,8	83,0	72,5	-12,7
Total	100	108,7	106,6	105,3	107,3	105,4	-1,8

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

Month	2010	2011	2012	2013	2014	2015 ¹	2016 ¹
Jan	90 215	95 994	107 218	116 532	130 303	129 333	133 706
Feb	101 983	111 651	125 750	131 788	146 300	143 332	
Mar	115 516	126 331	133 374	137 740	151 487	161 661	
Apr	101 853	108 005	117 453	133 321	143 553	142 263	
May	109 489	117 657	130 302	141 196	148 043	153 030	
Jun	113 772	122 233	130 849	139 275	155 933	157 801	
Jul	113 046	113 051	127 702	146 362	145 849	158 167	
Aug	110 779	125 128	134 503	143 958	156 037	156 112	
Sep	113 369	133 135	131 890	140 221	162 333	166 634	
Oct	121 878	133 901	144 549	156 327	175 379	172 704	
Nov	126 703	139 235	153 267	162 140	170 409	173 476	
Dec	104 635	117 662	123 569	140 451	148 058	150 933	
Total	1 323 238	1 443 983	1 560 426	1 689 311	1 833 684	1 865 446	

¹ 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	6,4	11,7	8,7	11,8	-0,7	3,4	3,4
Feb	9,5	12,6	4,8	11,0	-2,0		
Mar	9,4	5,6	3,3	10,0	6,7		
Apr	6,0	8,7	13,5	7,7	-0,9		
May	7,5	10,7	8,4	4,8	3,4		
Jun	7,4	7,0	6,4	12,0	1,2		
Jul	0,0	13,0	14,6	-0,4	8,4		
Aug	13,0	7,5	7,0	8,4	0,0		
Sep	17,4	-0,9	6,3	15,8	2,6		
Oct	9,9	8,0	8,1	12,2	-1,5		
Nov	9,9	10,1	5,8	5,1	1,8		
Dec	12,4	5,0	13,7	5,4	1,9		
Total	9,1	8,1	8,3	8,5	1,7		

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	135 535	150 797	151 702	158 577	1,6	1,3	-2,4	1,4
Feb	137 409	152 563	149 769		1,4	1,2	-1,3	
Mar	137 207	147 248	156 204		-0,1	-3,5	4,3	
Apr	138 515	153 424	151 828		1,0	4,2	-2,8	
May	140 346	148 758	155 302		1,3	-3,0	2,3	
Jun	139 112	154 720	155 242		-0,9	4,0	0,0	
Jul	145 256	144 480	156 293		4,4	-6,6	0,7	
Aug	141 420	154 579	155 640		-2,6	7,0	-0,4	
Sep	135 864	155 794	159 270		-3,9	0,8	2,3	
Oct	142 749	160 177	159 080		5,1	2,8	-0,1	
Nov	145 658	155 074	156 642		2,0	-3,2	-1,5	
Dec	148 913	155 420	156 444		2,2	0,2	-0,1	

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

Manufacturing division and major group	Aug-15	Sep-15	Oct-15	¹ Nov-15	¹ Dec-15	¹ Jan-16
Food and beverages	35 218	37 693	38 312	39 764	44 775	32 244
Meat, fish, fruit, etc.	9 794	10 267	10 369	10 965	11 708	8 421
Dairy products	3 160	3 312	3 654	3 461	3 728	3 091
Grain mill products	5 781	5 802	5 830	6 137	6 189	5 646
Other food products	6 916	7 280	7 489	7 626	7 465	6 676
Beverages	9 567	11 032	10 970	11 574	15 685	8 409
Textiles, clothing, leather and footwear	4 294	4 475	5 062	5 082	3 492	3 239
Textiles	579	648	657	692	428	482
Other textile products	1 168	1 168	1 469	1 345	856	912
Knitted, crocheted articles	198	199	229	231	136	145
Wearing apparel	1 287	1 358	1 531	1 612	1 153	811
Leather and leather products	627	645	625	628	509	533
Footwear	436	458	552	574	410	355
Wood and wood products, paper, publishing and printing	12 361	13 631	13 231	13 993	11 704	10 617
Sawmilling and planing of wood	838	1 081	1 041	904	878	745
Products of wood	1 674	1 818	1 836	1 915	1 312	1 367
Paper and paper products	5 913	6 587	5 761	6 141	5 788	5 376
Publishing	1 718	1 773	1 929	2 048	1 713	1 356
Printing, recorded media	2 219	2 371	2 664	2 985	2 012	1 774
Petroleum, chemical products, rubber and plastic products	35 315	37 974	40 201	38 616	34 286	32 492
Coke, petroleum products and nuclear fuel	11 804	12 646	13 811	12 300	12 564	11 916
Basic chemicals	7 420	8 122	8 485	7 844	6 556	6 923
Other chemical products	9 361	10 164	10 006	10 401	9 429	7 951
Rubber products	1 391	1 391	1 562	1 539	1 025	1 101
Plastic products	5 339	5 650	6 336	6 532	4 712	4 602
Glass and non-metallic mineral products	4 837	5 123	5 303	5 380	3 420	3 523
Glass and glass products	809	887	972	1 037	724	633
Non-metallic mineral products	4 028	4 236	4 331	4 343	2 696	2 891
Basic iron and steel, non-ferrous metal products, metal products and machinery	31 819	33 755	34 462	34 066	26 905	26 879
Basic iron and steel products	8 727	9 372	9 226	8 677	6 404	8 128
Non-ferrous metal products	6 798	6 925	7 932	7 620	7 324	6 991
Structural metal products	2 942	3 029	3 060	3 021	2 254	2 097
Other fabricated metal products	5 407	5 837	5 903	5 882	3 737	4 117
General purpose machinery	2 880	2 896	2 935	3 022	2 435	1 967
Special purpose machinery	4 211	4 792	4 393	4 807	4 038	2 865
Household appliances	853	904	1 012	1 036	713	715
Electrical machinery	5 117	5 558	4 938	5 813	4 079	3 804
Radio, television and communication apparatus and professional equipment	1 823	1 923	1 970	2 347	1 835	1 439
Radio, television and communication apparatus	1 159	1 191	1 189	1 573	1 166	874
Professional equipment	664	733	781	774	669	566
Motor vehicles, parts and accessories and other transport equipment	20 403	21 329	23 413	22 938	15 332	16 029
Motor vehicles	10 829	11 148	12 859	12 414	8 527	7 866
Bodies for motor vehicles, trailers and semi-trailers	832	854	898	990	509	583
Parts and accessories	6 228	6 214	6 864	6 878	3 359	5 471
Other transport equipment	2 514	3 113	2 792	2 655	2 936	2 110
Furniture and other manufacturing	4 925	5 172	5 812	5 477	5 107	3 439
Furniture	1 136	1 277	1 531	1 530	1 031	695
Other manufacturing groups	3 789	3 895	4 281	3 946	4 076	2 744
Total	156 112	166 634	172 704	173 476	150 933	133 706

¹ 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	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15	Jan-16
Food and beverages	10,1	8,9	6,8	12,7	11,7	8,0
Meat, fish, fruit, etc.	12,0	8,7	10,0	17,3	11,4	11,5
Dairy products	12,4	8,5	8,3	9,0	7,4	-0,8
Grain mill products	6,3	5,5	5,8	14,7	15,2	18,7
Other food products	2,7	7,3	4,8	2,9	9,5	16,6
Beverages	15,9	12,3	5,2	15,6	12,8	-3,3
Textiles, clothing, leather and footwear	2,6	2,1	1,6	3,0	-2,0	6,0
Textiles	13,8	6,6	-4,6	5,8	6,7	7,6
Other textile products	-5,4	-3,7	3,9	0,6	-9,1	-1,3
Knitted, crocheted articles	3,1	-6,1	0,9	7,9	4,6	0,0
Wearing apparel	3,0	5,3	5,1	2,0	0,0	3,7
Leather and leather products	18,3	17,9	3,6	9,0	-7,6	8,1
Footwear	-6,8	-10,7	-7,1	0,0	6,2	34,0
Wood and wood products, paper, publishing and printing	10,1	7,2	2,2	3,5	3,7	11,8
Sawmilling and planing of wood	11,4	29,2	12,7	2,7	30,3	3,5
Products of wood	5,1	2,8	-0,5	4,8	12,8	9,9
Paper and paper products	17,9	14,5	6,3	7,1	3,9	22,2
Publishing	4,1	-3,9	-4,2	-2,2	-4,0	5,0
Printing, recorded media	0,2	-5,8	-2,8	0,1	-3,7	-3,7
Petroleum, chemical products, rubber and plastic products	-5,6	4,0	-8,0	-10,6	-4,7	3,0
Coke, petroleum products and nuclear fuel	-14,4	5,4	-14,3	-23,1	-17,7	-4,6
Basic chemicals	-8,1	-4,2	-14,9	-20,5	-11,2	5,7
Other chemical products	8,0	12,3	3,9	7,5	20,2	10,9
Rubber products	5,4	0,7	-0,6	-1,5	3,5	4,1
Plastic products	-3,9	0,6	-1,0	7,2	4,9	8,0
Glass and non-metallic mineral products	-0,5	0,1	-2,9	5,5	1,5	4,9
Glass and glass products	8,6	6,2	6,7	11,5	8,2	5,9
Non-metallic mineral products	-2,1	-1,1	-4,8	4,2	-0,1	4,8
Basic iron and steel, non-ferrous metal products, metal products and machinery	-7,1	-2,6	-5,7	-2,9	-5,8	-2,2
Basic iron and steel products	-19,5	-10,2	-12,1	-8,9	-20,8	-14,6
Non-ferrous metal products	-7,5	-8,8	2,5	-4,1	6,1	13,9
Structural metal products	7,2	15,2	-5,4	-1,0	7,7	5,9
Other fabricated metal products	0,9	-0,3	-2,1	0,1	-5,2	3,0
General purpose machinery	-8,3	-5,8	-14,0	-5,5	-10,6	-11,1
Special purpose machinery	6,1	13,2	-5,5	7,7	-4,5	-2,2
Household appliances	1,9	7,2	1,3	0,4	22,9	2,7
Electrical machinery	6,0	9,8	0,4	18,8	4,8	10,0
Radio, television and communication apparatus and professional equipment	-8,9	-2,1	-3,1	12,4	9,4	33,7
Radio, television and communication apparatus	-14,5	-3,2	-12,0	17,3	10,8	56,9
Professional equipment	2,8	0,0	14,7	3,5	6,7	9,1
Motor vehicles, parts and accessories and other transport equipment	1,9	-2,3	0,1	9,2	3,7	-2,2
Motor vehicles	1,4	-7,0	-0,9	7,8	9,8	-7,9
Bodies for motor vehicles, trailers and semi-trailers	8,3	-2,8	-7,7	13,8	-5,9	10,8
Parts and accessories	1,1	-1,7	0,7	5,5	-13,5	0,2
Other transport equipment	3,5	17,4	6,3	26,4	12,9	12,7
Furniture and other manufacturing	-6,6	-5,0	5,1	3,4	4,8	-5,4
Furniture	-2,8	6,5	3,1	7,4	-2,1	-8,7
Other manufacturing groups	-7,7	-8,2	5,9	1,9	6,7	-4,5
Total	0,0	2,6	-1,5	1,8	1,9	3,4

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

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

Manufacturing division and major group	Sep-15	Oct-15	Nov-15	Dec-15	Jan-16	Month-on-month % change
Food and beverages	35 976	36 044	36 470	37 172	37 000	-0,5
Meat, fish, fruit, etc.	9 812	9 919	10 055	10 352	10 236	-1,1
Dairy products	3 265	3 314	3 323	3 354	3 212	-4,2
Grain mill products	5 694	5 772	5 922	6 081	6 139	1,0
Other food products	6 919	6 932	6 818	7 140	7 553	5,8
Beverages	10 286	10 107	10 353	10 245	9 861	-3,7
Textiles, clothing, leather and footwear	4 340	4 332	4 255	4 267	4 469	4,7
Textiles	615	581	612	623	624	0,2
Other textile products	1 168	1 250	1 165	1 112	1 205	8,4
Knitted, crocheted articles	209	204	204	196	202	3,1
Wearing apparel	1 287	1 287	1 268	1 291	1 262	-2,2
Leather and leather products	644	582	584	579	600	3,6
Footwear	417	428	422	467	576	23,3
Wood and wood products, paper, publishing and printing	12 267	12 066	12 131	12 274	12 610	2,7
Sawmilling and planing of wood	1 031	937	843	979	886	-9,5
Products of wood	1 659	1 604	1 633	1 657	1 714	3,4
Paper and paper products	5 750	5 679	5 684	5 754	6 261	8,8
Publishing	1 616	1 636	1 666	1 683	1 624	-3,5
Printing, recorded media	2 211	2 210	2 306	2 201	2 125	-3,5
Petroleum, chemical products, rubber and plastic products	37 107	37 170	35 061	35 902	36 292	1,1
Coke, petroleum products and nuclear fuel	13 395	14 164	12 412	12 139	11 996	-1,2
Basic chemicals	7 680	7 241	6 607	7 125	7 707	8,2
Other chemical products	9 324	8 970	9 174	9 801	9 633	-1,7
Rubber products	1 390	1 411	1 378	1 340	1 339	-0,1
Plastic products	5 318	5 384	5 490	5 497	5 616	2,2
Glass and non-metallic mineral products	4 613	4 590	4 667	4 488	4 711	5,0
Glass and glass products	765	794	807	776	772	-0,5
Non-metallic mineral products	3 849	3 796	3 860	3 712	3 940	6,1
Basic iron and steel, non-ferrous metal products, metal products and machinery	32 596	31 941	31 295	31 394	32 319	2,9
Basic iron and steel products	9 176	8 947	8 431	8 217	8 588	4,5
Non-ferrous metal products	6 816	7 482	7 106	7 534	7 716	2,4
Structural metal products	2 930	2 678	2 685	2 829	2 753	-2,7
Other fabricated metal products	5 369	5 260	5 209	4 955	5 465	10,3
General purpose machinery	2 735	2 532	2 674	2 675	2 649	-1,0
Special purpose machinery	4 667	4 150	4 273	4 248	4 240	-0,2
Household appliances	903	891	917	936	907	-3,1
Electrical machinery	5 180	4 640	5 156	5 101	5 106	0,1
Radio, television and communication apparatus and professional equipment	1 766	1 806	1 951	1 928	1 873	-2,9
Radio, television and communication apparatus	1 102	1 065	1 245	1 219	1 142	-6,3
Professional equipment	664	741	706	709	731	3,1
Motor vehicles, parts and accessories and other transport equipment	20 529	21 248	20 643	18 692	19 507	4,4
Motor vehicles	10 626	11 756	11 112	10 143	9 996	-1,4
Bodies for motor vehicles, trailers and semi-trailers	788	767	814	719	924	28,5
Parts and accessories	5 979	6 166	6 143	4 990	6 043	21,1
Other transport equipment	3 136	2 558	2 574	2 840	2 544	-10,4
Furniture and other manufacturing	4 896	5 243	5 013	5 226	4 691	-10,2
Furniture	1 203	1 183	1 164	1 174	1 110	-5,5
Other manufacturing groups	3 693	4 060	3 849	4 052	3 581	-11,6
Total	159 270	159 080	156 642	156 444	158 577	1,4

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 January 2016 was 90,1%. The improved collection rate for December 2015 was 92,3%.
- 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 the following publications available from Stats SA -

- *Bulletin of Statistics* issued quarterly; and
- *SA Statistics* issued annually.

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 3 027 enterprises from a population of 45 285 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 2015 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	1 882 214	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.

Period	Source
1998 to 2000	1996 Census of Manufacturing
2001 to 2004	2001 LSS
2005 to 2009	2005 LSS
2010 to 2015	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 E – Weights by division and major group

Manufacturing divisions and major groups	Weights according to national accounts value added		
	2010	2011	2012 – 2015
Food and beverages	22,08	23,82	24,44
Meat, fish, fruit, etc.	4,41	5,19	5,39
Dairy products	2,22	2,30	1,78
Grain mill products	2,71	2,78	2,86
Other food products	6,34	7,12	7,73
Beverages	6,40	6,43	6,68
Textiles, clothing, leather and footwear	3,45	2,92	3,17
Textiles	0,68	0,84	0,74
Other textile products	0,43	0,39	0,47
Knitted, crocheted articles	0,08	0,08	0,10
Wearing apparel	1,55	0,99	1,19
Leather and leather products	0,22	0,19	0,28
Footwear	0,49	0,43	0,39
Wood and wood products, paper, publishing and printing	9,30	9,46	12,65
Sawmilling and planing of wood	0,82	0,82	1,83
Products of wood	1,66	1,76	2,55
Paper and paper products	3,18	3,26	4,89
Publishing	1,45	1,45	1,51
Printing, recorded media	2,19	2,17	1,87
Petroleum, chemical products, rubber and plastic products	25,13	22,52	22,13
Coke, petroleum products and nuclear fuel	7,97	6,32	7,77
Basic chemicals	5,81	4,85	3,81
Other chemical products	7,39	7,06	6,49
Rubber products	1,19	1,18	1,00
Plastic products	2,77	3,11	3,06
Glass and non-metallic mineral products	4,91	4,42	3,91
Glass and glass products	0,80	0,89	0,78
Non-metallic mineral products	4,11	3,53	3,13
Basic iron and steel, non-ferrous metal products, metal products and machinery	20,30	20,40	19,59
Basic iron and steel products	4,42	4,71	3,38
Non-ferrous metal products (including precious metals)	3,44	3,46	3,18
Structural metal products	1,87	2,21	1,89
Other fabricated metal products	3,84	3,89	4,40
General purpose machinery	2,36	2,44	2,44
Special purpose machinery	3,48	3,04	3,44
Household appliances	0,89	0,65	0,86
Electrical machinery	2,44	2,37	1,70
Radio, television and communication apparatus and professional equipment	1,32	1,45	1,41
Radio, television and communication apparatus	0,77	0,88	0,90
Professional equipment	0,55	0,57	0,51
Motor vehicles, parts and accessories and other transport equipment	7,89	8,58	7,39
Motor vehicles	3,21	3,84	2,98
Bodies for motor vehicles, trailers and semi-trailers	0,64	0,53	0,43
Parts and accessories	2,88	3,00	2,77
Other transport equipment	1,16	1,21	1,21
Furniture and other manufacturing	3,18	4,06	3,61
Furniture	0,94	1,05	1,08
Other manufacturing groups	2,24	3,01	2,53
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 January 2015](#)
- 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

Technical enquiries

Nicolai Claassen Telephone number: (012) 310 8007
Email: nicolaic@statssa.gov.za

Gerda Bruwer Telephone number: (012) 310 8249
Email: gerdab@statssa.gov.za

General information

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.

Stats SA has copyright on this publication. Users may apply the information as they wish, provided that they acknowledge Stats SA as the source of the basic data wherever they process, apply, utilise, publish or distribute the data; and also that they specify that the relevant application and analysis (where applicable) result from their own processing of the data.

Advance release calendar

An advance release calendar is disseminated on www.statssa.gov.za

Stats SA products

A complete set of Stats SA publications is available at the Stats SA Library and the following libraries:

National Library of South Africa, Pretoria Division
National Library of South Africa, Cape Town Division
Natal Society Library, Pietermaritzburg
Library of Parliament, Cape Town
Bloemfontein Public Library
Johannesburg Public Library
Eastern Cape Library Services, King William's Town
Central Regional Library, Polokwane
Central Reference Library, Mbombela
Central Reference Collection, Kimberley
Central Reference Library, Mmabatho

Stats SA also provides a subscription service.

Electronic services

A large range of data is available via online services. For more details about our electronic data services, contact Stats SA's user information service at (012) 310 8600.

You can visit us on the Internet at: www.statssa.gov.za

General enquiries

User information services	Telephone number: (012) 310 8600 Email address: info@statssa.gov.za
Orders/subscription services	Telephone number: (012) 310 8044 Email: magdaj@statssa.gov.za
Postal address	Private Bag X44, Pretoria, 0001

Produced by Stats SA