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# Statistical release

## P3041.2

# Manufacturing: Production and sales (Preliminary)

February 2014

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**This is the first statistical release presenting production indices with 2011 weights as obtained from the 2011 national accounts value added weights. Previously, the weights were based on the 2010 national accounts value added weights.**

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## Contents

|   |           |
|---|-----------|
| <b>Key figures for February 2014</b> .....  | <b>2</b>  |
| Table A – Manufacturing production and sales .....  | 2         |
| Table B – Contribution of manufacturing divisions and major groups to the total three-monthly seasonally adjusted manufacturing production .....                                    | 3         |
| Figure 1 – Index of the physical volume of manufacturing production: 2006 – 2014 .....  | 4         |
| Table C – Contribution of manufacturing divisions and major groups to the three-monthly total seasonally adjusted sales of the manufacturing industry at current prices .....       | 5         |
| Figure 2 – Total estimated sales of the manufacturing industry at current prices: 2006 – 2014 .....   | 6         |
| <b>Note: Construction of a new index of physical volume of manufacturing production by changing the weights from 2010 to 2011</b> .....   | <b>7</b>  |
| Table D – Comparison of manufacturing production indices based on 2010 and 2011 weights .....   | 7         |
| Figure 3 – Comparison of the total manufacturing production index based on 2010 and 2011 weights .....  | 8         |
| <b>Detailed results</b> .....   | <b>9</b>  |
| Table 1 – Total index of the physical volume of manufacturing production: 2008 – 2014 .....   | 9         |
| Table 2 – Annual percentage change in the total index of the physical volume of manufacturing production: 2008 – 2014 .....   | 9         |
| Table 3 – Seasonally adjusted index of the total physical volume of manufacturing production: 2008 – 2014 .....   | 9         |
| Table 4a – Indices of the physical volume of manufacturing production according to manufacturing divisions and major groups .....   | 10        |
| Table 4b – Indices of the physical volume of manufacturing production according to manufacturing divisions and major groups (concluded) .....                                       | 11        |
| Table 5 – Total estimated sales of the manufacturing industry at current prices (R'000): 2008 – 2014 .....  | 12        |
| Table 6 – Annual percentage change in the total estimated value of sales of the manufacturing industry: 2008 – 2014 .....   | 12        |
| Table 7 – Total seasonally adjusted sales of the manufacturing industry at current prices (R'000): 2008 – 2014 .....  | 12        |
| Table 8a – Estimated sales of the manufacturing industry at current prices according to manufacturing divisions and major groups (R'000) .....                                      | 13        |
| Table 8b – Estimated sales of the manufacturing industry at current prices according to manufacturing divisions and major groups (R'000) (concluded) .....                          | 14        |
| Table 9 – Annual percentage change in the three-monthly physical volume of manufacturing production and estimated sales according to manufacturing divisions and major groups ..... | 15        |
| <b>Explanatory notes</b> .....  | <b>16</b> |
| <b>Glossary</b> .....   | <b>20</b> |
| <b>Table E – Weights according to manufacturing divisions and major groups</b> .....  | <b>22</b> |
| <b>General information</b> .....  | <b>23</b> |

## Key figures for February 2014

**Table A – Manufacturing production and sales**

| Estimates  | February 2014 | % change between February 2013 and February 2014 | % change between December 2012 to February 2013 and December 2013 to February 2014 | % change between January to February 2013 and January to February 2014 |
|--|---------------|--|--|--|
| Physical volume of manufacturing production index (base: 2010=100) | 102,1         | 1,4  | 2,2  | 1,8  |
| Total estimated sales of manufactured products (R million)         | 143 486       | 10,9   | 11,9   | 11,1   |

| Seasonally adjusted estimates                                      | February 2014 | % change between January and February 2014 | % change between September to November 2013 and December 2013 to February 2014 |
|--|---------------|--|--|
| Physical volume of manufacturing production index (base: 2010=100) | 106,6         | -1,9                                       | 2,3  |
| Total value of sales of manufactured products (R million)          | 148 172       | -0,6                                       | 6,9  |

***Manufacturing production increased by 1,4% in February 2014 compared with February 2013.***

The 1,4% year-on-year increase in manufacturing production in February 2014 was mainly due to higher production in the following divisions:

- petroleum, chemical products, rubber and plastic products (4,4% and contributing 1,0 percentage point);
- food and beverages (3,4% and contributing 0,8 of a percentage point); and
- basic iron and steel, non-ferrous metal products, metal products and machinery (1,3% and contributing 0,3 of a percentage point) (see Table 4b).

***Seasonally adjusted manufacturing production increased by 2,3% in the three months ended February 2014 compared with the previous three months. Six of the ten manufacturing divisions reported positive growth rates over this period.***

The largest positive contributions to the increase of 2,3% were made by the following divisions:

- motor vehicles, parts and accessories and other transport equipment (22,4% and contributing 1,7 percentage points);
- petroleum, chemical products, rubber and plastic products (3,2% and contributing 0,7 of a percentage point); and
- food and beverages (2,3% and contributing 0,6 of a percentage point) (see Table B).

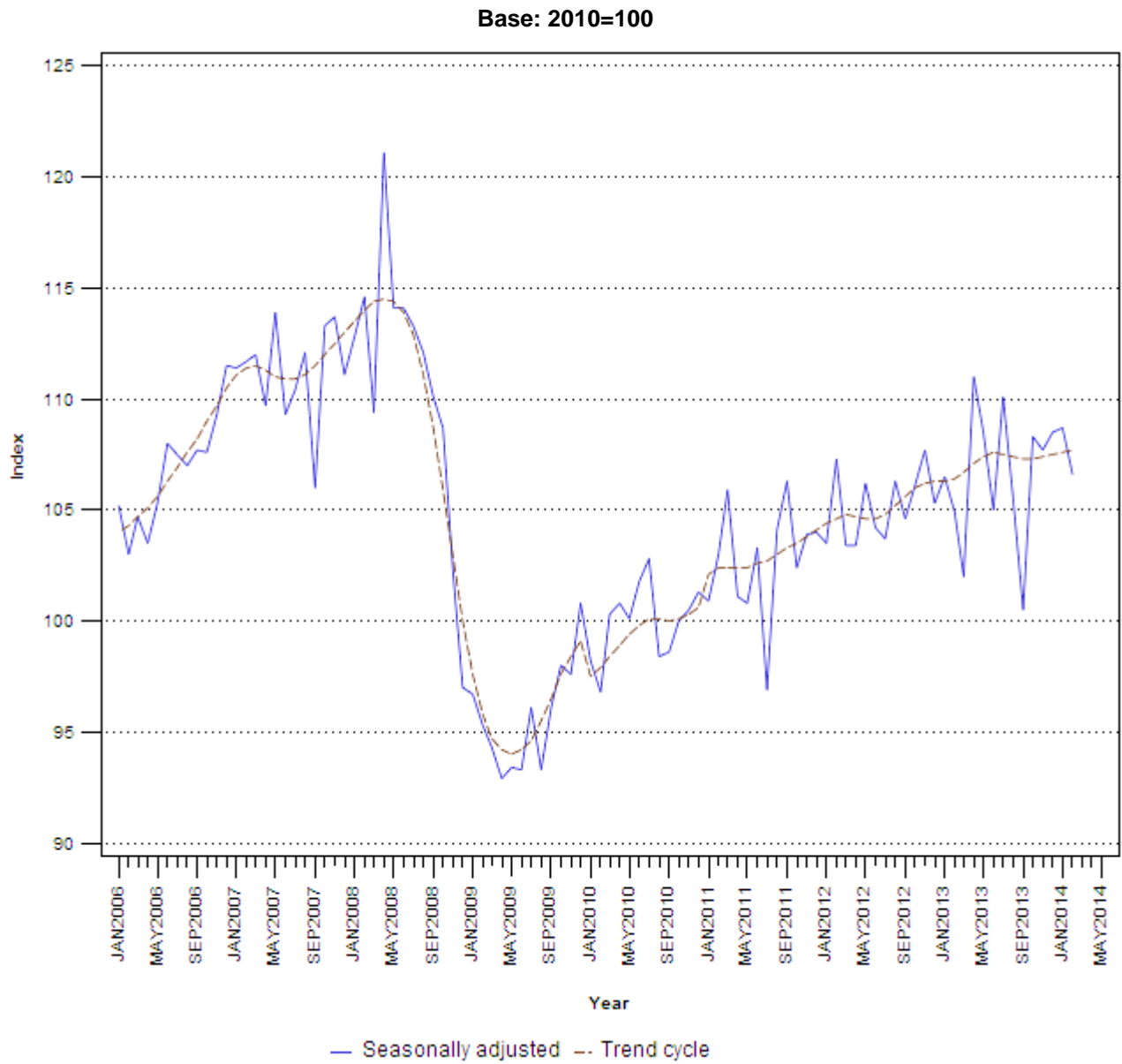
**Table B – Contribution of manufacturing divisions and major groups to the total three-monthly seasonally adjusted manufacturing production**

Base: 2010=100

| Manufacturing divisions and major groups  | Weights 2011 | Average seasonally adjusted production index for September to November 2013 | Average seasonally adjusted production index for December 2013 to February 2014 | Quarterly % change of December 2013 to February 2014 compared with the preceding three months | Contribution (% points) to the seasonally adjusted quarterly % change in total manufacturing production<br>1/ |
|---|--------------|---|---|---|---|
| <b>Food and beverages</b>   | <b>23,8</b>  | <b>108,1</b>  | <b>110,6</b>  | <b>2,3</b>  | <b>0,6</b>  |
| -Meat, fish, fruit, etc.  | 5,2          | 111,8   | 115,6   | 3,4   | 0,2   |
| -Dairy products   | 2,3          | 103,0   | 107,6   | 4,5   | 0,1   |
| -Grain mill products  | 2,8          | 106,9   | 109,1   | 2,1   | 0,1   |
| -Other food products  | 7,1          | 105,0   | 107,4   | 2,3   | 0,2   |
| -Beverages  | 6,4          | 111,1   | 111,8   | 0,6   | 0,0   |
| <b>Textiles, clothing, leather and footwear</b>                                       | <b>2,9</b>   | <b>94,8</b>   | <b>95,2</b>   | <b>0,4</b>  | <b>0,0</b>  |
| -Textiles   | 1,2          | 85,2  | 85,3  | 0,1   | 0,0   |
| -Wearing apparel  | 1,1          | 97,0  | 97,2  | 0,2   | 0,0   |
| -Leather and leather products   | 0,2          | 130,1   | 129,9   | -0,2  | 0,0   |
| -Footwear   | 0,4          | 101,2   | 103,8   | 2,6   | 0,0   |
| <b>Wood and wood products, paper, publishing and printing</b>                         | <b>9,5</b>   | <b>104,3</b>  | <b>100,2</b>  | <b>-3,9</b>   | <b>-0,4</b>   |
| -Wood and products of wood  | 2,6          | 103,1   | 99,0  | -4,0  | -0,1  |
| -Paper and paper products   | 3,3          | 100,4   | 100,5   | 0,1   | 0,0   |
| -Publishing and printing  | 3,6          | 108,7   | 100,8   | -7,3  | -0,3  |
| <b>Petroleum, chemical products, rubber and plastic products</b>                      | <b>22,5</b>  | <b>109,3</b>  | <b>112,8</b>  | <b>3,2</b>  | <b>0,7</b>  |
| -Coke, petroleum products and nuclear fuel  | 6,3          | 111,6   | 110,5   | -1,0  | -0,1  |
| -Basic chemicals  | 4,8          | 101,5   | 116,7   | 15,0  | 0,7   |
| -Other chemical products  | 7,1          | 115,0   | 112,9   | -1,8  | -0,1  |
| -Rubber products  | 1,2          | 105,4   | 115,0   | 9,1   | 0,1   |
| -Plastic products   | 3,1          | 105,2   | 110,8   | 5,3   | 0,2   |
| <b>Glass and non-metallic mineral products</b>  | <b>4,4</b>   | <b>104,6</b>  | <b>101,5</b>  | <b>-3,0</b>   | <b>-0,1</b>   |
| -Glass and glass products   | 0,9          | 98,3  | 97,3  | -1,0  | 0,0   |
| -Non-metallic mineral products  | 3,5          | 106,2   | 102,5   | -3,5  | -0,1  |
| <b>Basic iron and steel, non-ferrous metal products, metal products and machinery</b> | <b>20,4</b>  | <b>105,2</b>  | <b>103,6</b>  | <b>-1,5</b>   | <b>-0,3</b>   |
| -Basic iron and steel products  | 4,7          | 96,4  | 93,9  | -2,6  | -0,1  |
| -Basic precious, non-ferrous metal products   | 3,5          | 105,8   | 105,6   | -0,2  | 0,0   |
| -Fabricated metal products  | 6,1          | 112,2   | 110,2   | -1,8  | -0,1  |
| -Machinery and equipment  | 6,1          | 104,8   | 103,4   | -1,3  | -0,1  |
| <b>Electrical machinery</b>   | <b>2,4</b>   | <b>106,2</b>  | <b>103,8</b>  | <b>-2,3</b>   | <b>-0,1</b>   |
| <b>Radio, television and communication apparatus and professional equipment</b>       | <b>1,4</b>   | <b>131,7</b>  | <b>132,3</b>  | <b>0,5</b>  | <b>0,0</b>  |
| -Radio, television and communication apparatus  | 0,9          | 148,3   | 146,8   | -1,0  | 0,0   |
| -Professional equipment   | 0,5          | 106,1   | 110,0   | 3,7   | 0,0   |
| <b>Motor vehicles, parts and accessories and other transport equipment</b>            | <b>8,6</b>   | <b>94,7</b>   | <b>115,9</b>  | <b>22,4</b>   | <b>1,7</b>  |
| -Motor vehicles   | 3,9          | 105,5   | 137,5   | 30,3  | 1,2   |
| -Bodies for motor vehicles, trailers and semi-trailers                                | 0,5          | 113,9   | 104,9   | -7,9  | 0,0   |
| -Parts and accessories  | 3,0          | 78,1  | 93,6  | 19,8  | 0,4   |
| -Other transport equipment  | 1,2          | 93,1  | 107,2   | 15,1  | 0,2   |
| <b>Furniture and other manufacturing division</b>                                     | <b>4,1</b>   | <b>94,8</b>   | <b>98,4</b>   | <b>3,8</b>  | <b>0,1</b>  |
| -Furniture  | 1,1          | 115,4   | 107,2   | -7,1  | -0,1  |
| -Other manufacturing groups   | 3,0          | 87,7  | 95,3  | 8,7   | 0,2   |
| <b>Total</b>  | <b>100,0</b> | <b>105,5</b>  | <b>107,9</b>  | <b>2,3</b>  | <b>2,3</b>  |

1/ The contribution (percentage points) of a major group or division to the total seasonally adjusted manufacturing production is calculated by multiplying the difference in the index of the major group or division by the weight of the major group or division and then dividing by the previous period total manufacturing index. Figures have been rounded off.

Figure 1 – Index of the physical volume of manufacturing production: 2006 – 2014



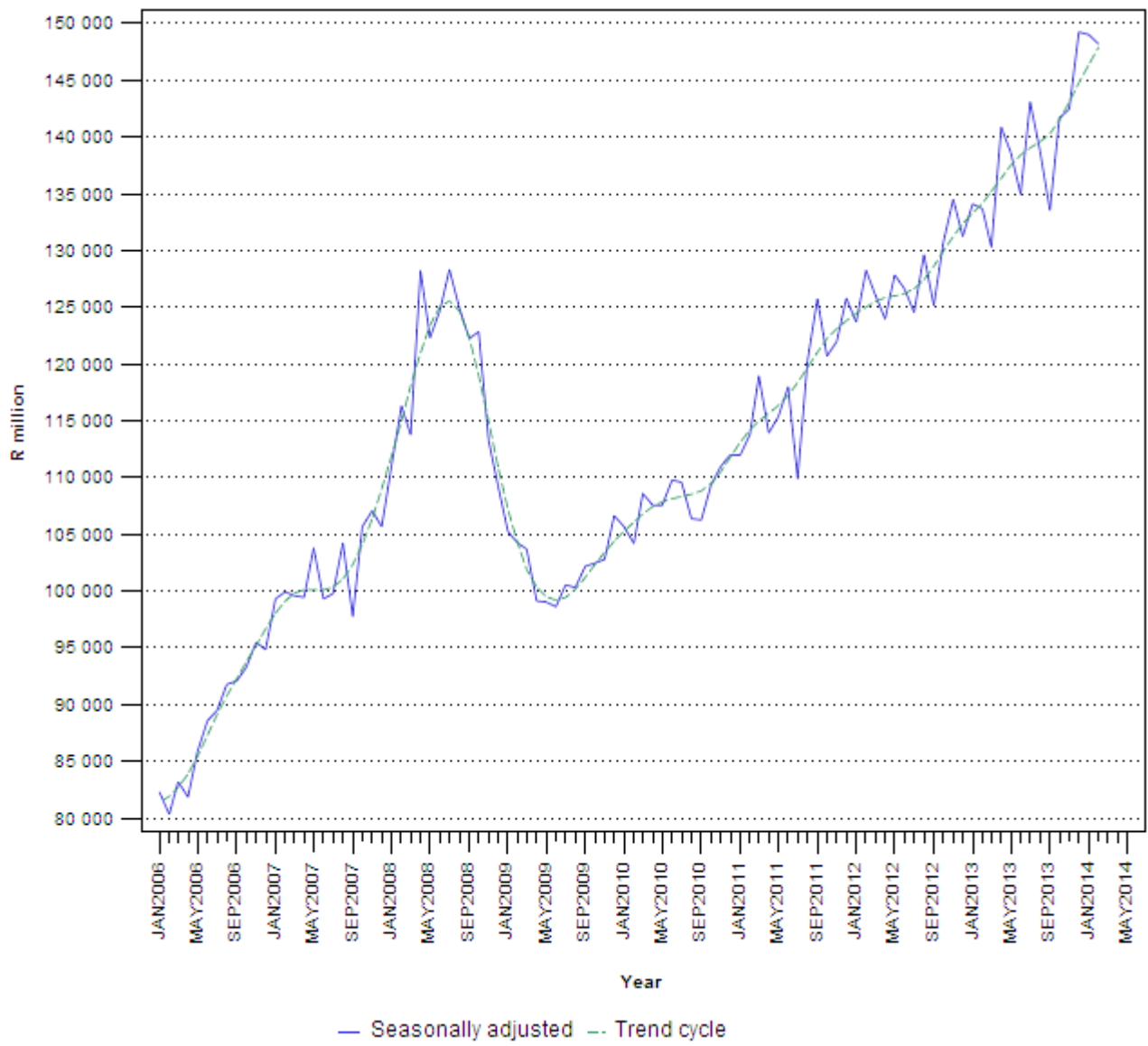
**Seasonally adjusted sales of manufactured products (at current prices) increased by 6,9% (R28 749 million) in the three months ended February 2014 compared with the previous three months.**

The manufacturing divisions that were mainly responsible for the increase in total manufacturing sales were motor vehicles, parts and accessories and other transport equipment (27,8% or R12 085 million) and petroleum, chemical products, rubber and plastic products (8,7% or R9 356 million) (see Table C).

**Table C – Contribution of manufacturing divisions and major groups to the three-monthly total seasonally adjusted sales of the manufacturing industry at current prices**

| Manufacturing divisions and major groups  | Seasonally adjusted sales<br>September<br>to<br>November 2013 | Seasonally adjusted sales<br>December 2013<br>to<br>February 2014 | % change between<br>September to<br>November 2013<br>and<br>December 2013 to<br>February 2014 | Difference in<br>seasonally adjusted<br>sales of<br>manufacturing<br>divisions between<br>September to<br>November 2013<br>and<br>December 2013 to<br>February 2014 |
|---|---|---|---|---|
|   | R'000   | R'000   | %   | R'000   |
| <b>Food and beverages</b>   | <b>88 958 019</b>   | <b>93 053 280</b>   | <b>4,6</b>  | <b>4 095 261</b>  |
| -Food and food products   | 64 468 855  | 68 208 901  | 5,8   | 3 740 046   |
| -Beverages  | 24 489 164  | 24 844 382  | 1,5   | 355 218   |
| <b>Textiles, clothing, leather and footwear</b>                                       | <b>10 894 866</b>   | <b>11 342 558</b>   | <b>4,1</b>  | <b>447 692</b>  |
| -Textiles   | 4 003 822   | 4 237 139   | 5,8   | 233 317   |
| -Wearing apparel  | 4 272 233   | 4 343 107   | 1,7   | 70 874  |
| -Leather and leather products   | 1 670 692   | 1 818 386   | 8,8   | 147 694   |
| -Footwear   | 948 119   | 943 927   | -0,4  | -4 192  |
| <b>Wood and wood products, paper, publishing and printing</b>                         | <b>31 631 274</b>   | <b>31 072 196</b>   | <b>-1,8</b>   | <b>-559 078</b>   |
| -Wood and products of wood  | 6 445 450   | 6 350 171   | -1,5  | -95 279   |
| -Paper and paper products   | 14 389 200  | 14 723 763  | 2,3   | 334 563   |
| -Publishing and printing  | 10 796 623  | 9 998 261   | -7,4  | -798 362  |
| <b>Petroleum, chemical products, rubber and plastic products</b>                      | <b>107 437 820</b>  | <b>116 793 690</b>  | <b>8,7</b>  | <b>9 355 870</b>  |
| -Coke, petroleum products and nuclear fuel  | 46 831 830  | 51 743 818  | 10,5  | 4 911 988   |
| -Basic chemicals  | 21 518 671  | 24 835 048  | 15,4  | 3 316 377   |
| -Other chemical products  | 22 764 347  | 22 568 403  | -0,9  | -195 944  |
| -Rubber products  | 3 723 386   | 4 247 288   | 14,1  | 523 902   |
| -Plastic products   | 12 599 586  | 13 399 134  | 6,3   | 799 548   |
| <b>Glass and non-metallic mineral products</b>  | <b>12 868 847</b>   | <b>12 677 226</b>   | <b>-1,5</b>   | <b>-191 621</b>   |
| -Glass and glass products   | 2 187 134   | 2 127 583   | -2,7  | -59 551   |
| -Non-metallic mineral products  | 10 681 713  | 10 549 642  | -1,2  | -132 071  |
| <b>Basic iron and steel, non-ferrous metal products, metal products and machinery</b> | <b>91 449 676</b>   | <b>94 522 816</b>   | <b>3,4</b>  | <b>3 073 140</b>  |
| -Basic iron and steel products  | 26 320 202  | 28 207 626  | 7,2   | 1 887 424   |
| -Basic precious, non-ferrous metal products   | 18 572 465  | 19 934 031  | 7,3   | 1 361 566   |
| -Fabricated metal products  | 23 949 303  | 23 760 697  | -0,8  | -188 606  |
| -Machinery and equipment  | 22 607 707  | 22 620 462  | 0,1   | 12 755  |
| <b>Electrical machinery</b>   | <b>12 114 422</b>   | <b>12 276 358</b>   | <b>1,3</b>  | <b>161 936</b>  |
| <b>Radio, television and communication apparatus and professional equipment</b>       | <b>5 067 907</b>  | <b>5 250 722</b>  | <b>3,6</b>  | <b>182 815</b>  |
| -Radio, television and communication apparatus  | 2 595 717   | 2 776 410   | 7,0   | 180 693   |
| -Professional equipment   | 2 472 190   | 2 474 312   | 0,1   | 2 122   |
| <b>Motor vehicles, parts and accessories and other transport equipment</b>            | <b>43 518 315</b>   | <b>55 603 035</b>   | <b>27,8</b>   | <b>12 084 720</b>   |
| -Motor vehicles, trailers, parts and accessories                                      | 38 952 571  | 50 085 351  | 28,6  | 11 132 780  |
| -Other transport equipment  | 4 565 744   | 5 517 682   | 20,8  | 951 938   |
| <b>Furniture and other manufacturing division</b>                                     | <b>13 727 443</b>   | <b>13 825 901</b>   | <b>0,7</b>  | <b>98 458</b>   |
| -Furniture  | 3 502 098   | 3 332 975   | -4,8  | -169 123  |
| -Other manufacturing groups   | 10 225 343  | 10 492 926  | 2,6   | 267 583   |
| <b>Total</b>  | <b>417 668 585</b>  | <b>446 417 783</b>  | <b>6,9</b>  | <b>28 749 198</b>   |

**Figure 2 – Total estimated sales of the manufacturing industry at current prices: 2006 – 2014**



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**Statistician-General**

**Note: Construction of a new index of physical volume of manufacturing production by changing the weights from 2010 to 2011**

**Introduction**

Statistics South Africa (Stats SA) conducts a monthly survey of the manufacturing industry covering manufacturing enterprises. This statistical release contains monthly indices of the physical volume of manufacturing production and monthly sales of manufactured products. In accordance with international best practice and considerations of quality improvement, new weights are introduced annually. The results of the manufacturing production indices published today contain changes related to reweighting.

**Reweighting**

In 2013, Stats SA published the national accounts value added weights for 2011. It is on the basis of these weights that new value added weights were calculated for each major group in manufacturing. Previously, the weights were calculated from the national accounts value added weights for 2010. The new and old weights are shown in Table D below and in more detail in Table E on page 22. The new weights have been applied to the manufacturing production indices starting from January 2011. In mid-2015, the manufacturing indices will be reweighted based on the 2012 national accounts value added weights starting from January 2012.

The impact of the implementation of reweighting on the index of manufacturing production is illustrated in Table D and Figure 3.

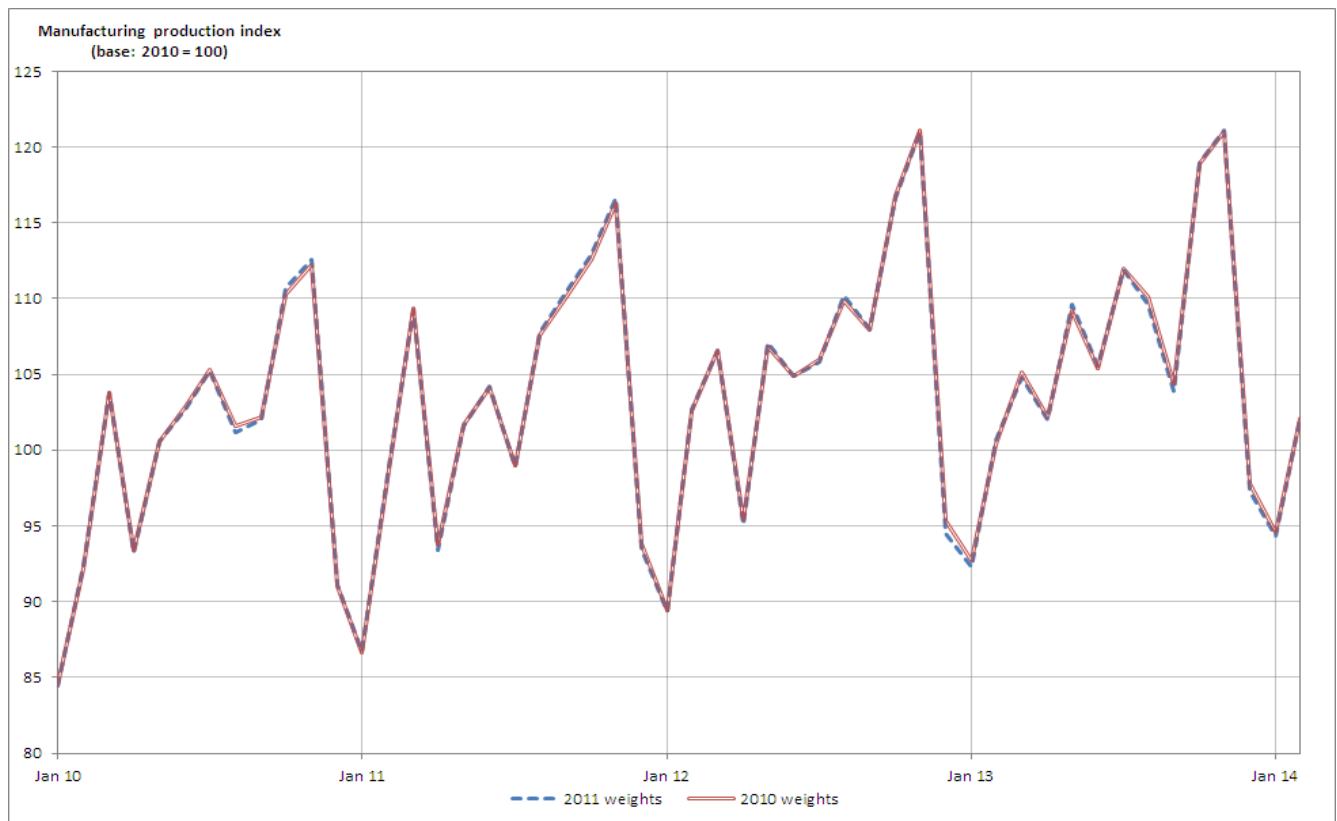
**Table D – Comparison of manufacturing production indices based on 2010 and 2011 weights**

| Manufacturing divisions  | Weights 2010 | Weights 2011 | Year to date year-on-year % change for 2014 |                                    | Difference in results (percentage points) |
|--|--------------|--------------|---|------------------------------------|---|
|  |              |              | Using 2010 weights (percentage) 1/          | Using 2011 weights (percentage) 1/ |   |
| Food and beverages   | 22,1         | 23,8         | 3,8   | 4,1                                | 0,3                                       |
| Textiles, clothing, leather and footwear                                 | 3,5          | 2,9          | 2,1   | 1,8                                | -0,3                                      |
| Wood and wood products, paper, publishing and printing                   | 9,3          | 9,5          | -5,5  | -5,4                               | 0,1                                       |
| Petroleum, chemical products, rubber and plastic products                | 25,1         | 22,5         | 3,6   | 3,0                                | -0,6                                      |
| Glass and non-metallic mineral products                                  | 4,9          | 4,4          | -2,2  | -2,4                               | -0,2                                      |
| Basic iron and steel, non-ferrous metal and metal products and machinery | 20,3         | 20,4         | 1,7   | 1,6                                | -0,1                                      |
| Electrical machinery   | 2,4          | 2,4          | 4,9   | 5,6                                | 0,7                                       |
| Radio, television and communication apparatus and professional equipment | 1,3          | 1,4          | 5,3   | 5,4                                | 0,1                                       |
| Motor vehicles, parts and accessories and other transport equipment      | 7,9          | 8,6          | 0,3   | 0,5                                | 0,2                                       |
| Furniture and other manufacturing division                               | 3,2          | 4,1          | 2,6   | 2,5                                | -0,1                                      |
| <b>Total manufacturing</b>   | <b>100,0</b> | <b>100,0</b> | <b>1,9</b>                                  | <b>1,8</b>                         | <b>-0,1</b>                               |

1/ Up to February 2014



**Figure 3 – Comparison of the total manufacturing production index based on 2010 and 2011 weights**



Note: The series with 2011 weights is shown for 2010 for comparison purposes only.

## Detailed results

**Table 1 – Total index of the physical volume of manufacturing production: 2008 – 2014**

**Base: 2010=100**

| Month | 2008         | 2009        | 2010         | *2011        | *2012        | *2013        | 2014     |
|-------|--------------|-------------|--------------|--------------|--------------|--------------|----------|
| Jan   | 97,1         | 82,7        | 84,5         | 86,7         | 89,3         | 92,3         | 1/ 94,3  |
| Feb   | 109,4        | 91,1        | 92,2         | 98,4         | 102,7        | 100,7        | 1/ 102,1 |
| Mar   | 113,1        | 97,6        | 103,8        | 109,3        | 106,6        | 104,8        |          |
| Apr   | 112,8        | 86,6        | 93,4         | 93,4         | 95,1         | 102,0        |          |
| May   | 115,4        | 94,2        | 100,6        | 101,6        | 107,1        | 109,6        |          |
| Jun   | 115,7        | 94,5        | 102,9        | 104,2        | 104,9        | 105,6        |          |
| Jul   | 116,0        | 98,2        | 105,3        | 98,9         | 105,8        | 111,9        |          |
| Aug   | 115,8        | 96,3        | 101,6        | 107,8        | 110,2        | 109,6        |          |
| Sep   | 114,4        | 99,9        | 102,2        | 110,4        | 108,0        | 103,9        |          |
| Oct   | 120,8        | 108,4       | 110,3        | 112,9        | 116,6        | 119,0        |          |
| Nov   | 113,7        | 107,9       | 112,2        | 116,6        | 121,0        | 121,1        |          |
| Dec   | 86,3         | 89,2        | 91,0         | 93,5         | 94,5         | 1/ 97,3      |          |
| Year  | <b>110,9</b> | <b>95,6</b> | <b>100,0</b> | <b>102,8</b> | <b>105,2</b> | <b>106,5</b> |          |

1/ Preliminary.

\* Revised due to reweighting. See note on page 7.

**Table 2 – Annual percentage change in the total index of the physical volume of manufacturing production: 2008 – 2014** 2/

| Month | 2008        | 2009         | 2010       | 2011       | 2012       | 2013       | 2014 |
|-------|-------------|--------------|------------|------------|------------|------------|------|
| Jan   | 0,7         | -14,8        | 2,2        | 2,6        | 3,0        | 3,4        | 2,2  |
| Feb   | 2,5         | -16,7        | 1,2        | 6,7        | 4,4        | -1,9       | 1,4  |
| Mar   | -2,2        | -13,7        | 6,4        | 5,3        | -2,5       | -1,7       |      |
| Apr   | 9,9         | -23,2        | 7,9        | 0,0        | 1,8        | 7,3        |      |
| May   | 0,3         | -18,4        | 6,8        | 1,0        | 5,4        | 2,3        |      |
| Jun   | 4,5         | -18,3        | 8,9        | 1,3        | 0,7        | 0,7        |      |
| Jul   | 2,6         | -15,3        | 7,2        | -6,1       | 7,0        | 5,8        |      |
| Aug   | -0,3        | -16,8        | 5,5        | 6,1        | 2,2        | -0,5       |      |
| Sep   | 3,9         | -12,7        | 2,3        | 8,0        | -2,2       | -3,8       |      |
| Oct   | -4,1        | -10,3        | 1,8        | 2,4        | 3,3        | 2,1        |      |
| Nov   | -9,7        | -5,1         | 4,0        | 3,9        | 3,8        | 0,1        |      |
| Dec   | -11,2       | 3,4          | 2,0        | 2,7        | 1,1        | 3,0        |      |
| Year  | <b>-0,4</b> | <b>-13,8</b> | <b>4,6</b> | <b>2,8</b> | <b>2,3</b> | <b>1,2</b> |      |

2/ The annual percentage change is the change in the index of the physical volume of manufacturing production of the relevant month of the current year compared with the corresponding month of the previous year expressed as a percentage.

**Table 3 – Seasonally adjusted index of the total physical volume of manufacturing production: 2008 – 2014**

**Base: 2010=100**

| Month | 2008  | 2009  | 2010  | 2011  | 2012  | 2013  | 2014  |
|-------|-------|-------|-------|-------|-------|-------|-------|
| Jan   | 112,8 | 96,7  | 98,2  | 100,9 | 103,5 | 106,5 | 108,7 |
| Feb   | 114,6 | 95,3  | 96,8  | 103,0 | 107,3 | 104,9 | 106,6 |
| Mar   | 109,4 | 94,3  | 100,3 | 105,9 | 103,4 | 102,0 |       |
| Apr   | 121,1 | 92,9  | 100,8 | 101,1 | 103,4 | 111,0 |       |
| May   | 114,1 | 93,4  | 100,1 | 100,8 | 106,2 | 108,5 |       |
| Jun   | 114,1 | 93,3  | 101,8 | 103,3 | 104,2 | 105,0 |       |
| Jul   | 113,3 | 96,1  | 102,8 | 96,9  | 103,7 | 110,1 |       |
| Aug   | 112,1 | 93,3  | 98,4  | 104,1 | 106,3 | 105,5 |       |
| Sep   | 110,1 | 96,1  | 98,6  | 106,3 | 104,6 | 100,5 |       |
| Oct   | 108,7 | 98,0  | 100,0 | 102,4 | 106,1 | 108,3 |       |
| Nov   | 102,2 | 97,6  | 100,5 | 103,9 | 107,7 | 107,7 |       |
| Dec   | 97,0  | 100,8 | 101,3 | 104,0 | 105,3 | 108,5 |       |

**Table 4a – Indices of the physical volume of manufacturing production according to manufacturing divisions and major groups**

**Base: 2010=100**

| Manufacturing divisions and major groups  | Weights 2011 | Average for 2013 | Actual indices |                 |                  | Seasonally adjusted indices |              |               |
|---|--------------|------------------|----------------|-----------------|------------------|-----------------------------|--------------|---------------|
|   |              |                  | February 2013  | 1/ January 2014 | 1/ February 2014 | February 2013               | January 2014 | February 2014 |
| <b>Food and beverages</b>   | <b>23,8</b>  | <b>108,0</b>     | <b>95,5</b>    | <b>98,0</b>     | <b>98,7</b>      | <b>105,8</b>                | <b>113,2</b> | <b>109,6</b>  |
| -Meat, fish, fruit, etc.  | 5,2          | 109,5            | 96,2           | 97,3            | 107,3            | 104,3                       | 117,4        | 116,5         |
| -Dairy products   | 2,3          | 106,0            | 98,6           | 110,1           | 97,2             | 105,4                       | 112,7        | 104,0         |
| -Grain mill products  | 2,8          | 107,5            | 95,8           | 101,9           | 96,3             | 106,4                       | 109,5        | 107,3         |
| -Other food products  | 7,1          | 105,0            | 81,3           | 83,5            | 86,5             | 101,5                       | 111,1        | 108,0         |
| -Beverages  | 6,4          | 111,0            | 109,5          | 108,6           | 106,8            | 111,7                       | 113,9        | 109,0         |
| <b>Textiles, clothing, leather and footwear</b>                                       | <b>2,9</b>   | <b>95,2</b>      | <b>99,0</b>    | <b>72,1</b>     | <b>98,5</b>      | <b>96,5</b>                 | <b>97,9</b>  | <b>95,8</b>   |
| -Textiles   | 0,8          | 82,8             | 94,7           | 67,6            | 90,2             | 83,9                        | 84,2         | 79,8          |
| -Other textile products   | 0,4          | 95,1             | 100,6          | 72,7            | 102,4            | 94,3                        | 94,0         | 96,0          |
| -Knitted, crocheted articles  | 0,1          | 65,9             | 78,0           | 43,0            | 66,0             | 69,1                        | 60,5         | 58,0          |
| -Wearing apparel  | 1,0          | 100,9            | 102,6          | 72,6            | 100,5            | 106,1                       | 104,6        | 103,6         |
| -Leather and leather products   | 0,2          | 120,3            | 112,2          | 117,0           | 126,1            | 105,1                       | 134,8        | 118,2         |
| -Footwear   | 0,4          | 101,5            | 96,2           | 65,2            | 101,0            | 102,3                       | 104,0        | 106,3         |
| <b>Wood and wood products, paper, publishing and printing</b>                         | <b>9,5</b>   | <b>103,6</b>     | <b>101,2</b>   | <b>87,6</b>     | <b>96,4</b>      | <b>104,0</b>                | <b>97,5</b>  | <b>99,5</b>   |
| -Sawmilling and planing of wood   | 0,8          | 108,4            | 100,9          | 94,6            | 114,3            | 101,5                       | 110,1        | 115,2         |
| -Products of wood   | 1,8          | 98,7             | 95,4           | 80,6            | 92,8             | 101,7                       | 96,3         | 99,1          |
| -Paper and paper products   | 3,3          | 100,0            | 91,6           | 91,1            | 94,9             | 97,0                        | 100,7        | 100,6         |
| -Publishing   | 1,4          | 116,5            | 102,6          | 90,9            | 96,4             | 105,2                       | 97,2         | 99,2          |
| -Printing, recorded media   | 2,2          | 102,6            | 119,7          | 83,4            | 94,9             | 116,3                       | 89,3         | 92,3          |
| <b>Petroleum, chemical products, rubber and plastic products</b>                      | <b>22,5</b>  | <b>108,6</b>     | <b>101,1</b>   | <b>102,4</b>    | <b>105,5</b>     | <b>105,9</b>                | <b>113,2</b> | <b>111,1</b>  |
| -Coke, petroleum products and nuclear fuel  | 6,3          | 101,9            | 75,8           | 109,9           | 95,2             | 86,0                        | 110,2        | 107,8         |
| -Basic chemicals  | 4,8          | 108,7            | 101,3          | 105,6           | 107,8            | 107,6                       | 113,4        | 114,8         |
| -Other chemical products  | 7,1          | 114,5            | 115,5          | 97,3            | 110,0            | 117,2                       | 115,8        | 111,5         |
| -Rubber products  | 1,2          | 113,0            | 128,8          | 105,7           | 123,5            | 118,8                       | 118,0        | 113,8         |
| -Plastic products   | 3,1          | 107,4            | 108,8          | 92,2            | 105,8            | 113,4                       | 111,6        | 110,3         |
| <b>Glass and non-metallic mineral products</b>  | <b>4,4</b>   | <b>105,5</b>     | <b>94,5</b>    | <b>82,2</b>     | <b>93,6</b>      | <b>103,3</b>                | <b>102,2</b> | <b>102,3</b>  |
| -Glass and glass products   | 0,9          | 105,3            | 96,7           | 79,6            | 99,1             | 99,8                        | 90,3         | 102,3         |
| -Non-metallic mineral products  | 3,5          | 105,6            | 93,9           | 82,8            | 92,2             | 104,2                       | 105,2        | 102,3         |
| <b>Basic iron and steel, non-ferrous metal products, metal products and machinery</b> | <b>20,4</b>  | <b>105,3</b>     | <b>99,8</b>    | <b>89,6</b>     | <b>101,1</b>     | <b>101,6</b>                | <b>102,6</b> | <b>102,6</b>  |
| -Basic iron and steel products  | 4,7          | 94,8             | 76,9           | 94,1            | 91,3             | 78,5                        | 95,6         | 92,9          |
| -Non-ferrous metal products   | 3,5          | 108,4            | 101,8          | 106,6           | 103,9            | 105,6                       | 107,1        | 107,7         |
| -Structural metal products  | 2,2          | 88,8             | 98,1           | 72,2            | 89,9             | 92,2                        | 90,0         | 84,2          |
| -Other fabricated metal products  | 3,9          | 119,5            | 115,8          | 92,4            | 123,7            | 113,7                       | 113,6        | 121,2         |
| -General purpose machinery  | 2,4          | 100,4            | 102,0          | 69,9            | 87,0             | 109,4                       | 85,9         | 93,2          |
| -Special purpose machinery  | 3,0          | 114,4            | 108,8          | 83,5            | 100,5            | 115,1                       | 112,0        | 106,0         |
| -Household appliances   | 0,7          | 113,6            | 116,1          | 110,9           | 117,2            | 116,0                       | 126,6        | 117,1         |
| <b>Electrical machinery</b>   | <b>2,4</b>   | <b>104,8</b>     | <b>101,4</b>   | <b>80,5</b>     | <b>105,2</b>     | <b>102,6</b>                | <b>106,5</b> | <b>106,6</b>  |
| <b>Radio, television and communication apparatus and professional equipment</b>       | <b>1,4</b>   | <b>127,1</b>     | <b>128,4</b>   | <b>116,4</b>    | <b>120,7</b>     | <b>119,0</b>                | <b>141,9</b> | <b>112,5</b>  |
| -Radio, television and communication apparatus  | 0,9          | 141,2            | 146,7          | 140,1           | 132,5            | 128,9                       | 165,0        | 116,2         |
| -Professional equipment   | 0,5          | 105,2            | 100,1          | 79,7            | 102,5            | 103,7                       | 106,3        | 106,8         |
| <b>Motor vehicles, parts and accessories and other transport equipment</b>            | <b>8,6</b>   | <b>109,4</b>     | <b>113,7</b>   | <b>99,8</b>     | <b>112,4</b>     | <b>114,5</b>                | <b>117,5</b> | <b>113,0</b>  |
| -Motor vehicles   | 3,9          | 124,6            | 132,8          | 116,5           | 132,5            | 133,0                       | 141,2        | 132,7         |
| -Bodies for motor vehicles, trailers and semi-trailers                                | 0,5          | 111,2            | 101,1          | 76,2            | 100,4            | 102,7                       | 108,2        | 102,0         |
| -Parts and accessories  | 3,0          | 94,8             | 100,7          | 87,0            | 97,2             | 99,2                        | 95,5         | 95,1          |
| -Other transport equipment  | 1,2          | 96,8             | 91,1           | 88,6            | 91,4             | 98,8                        | 100,8        | 99,7          |
| <b>Furniture and other manufacturing division</b>                                     | <b>4,1</b>   | <b>94,8</b>      | <b>102,9</b>   | <b>84,6</b>     | <b>104,1</b>     | <b>97,4</b>                 | <b>99,9</b>  | <b>98,3</b>   |
| -Furniture  | 1,1          | 110,6            | 103,1          | 71,9            | 102,6            | 108,5                       | 107,1        | 107,9         |
| -Other manufacturing groups   | 3,0          | 89,3             | 102,8          | 89,0            | 104,6            | 93,5                        | 97,4         | 94,9          |
| <b>Total</b>  | <b>100,0</b> | <b>106,5</b>     | <b>100,7</b>   | <b>94,3</b>     | <b>102,1</b>     | <b>104,9</b>                | <b>108,7</b> | <b>106,6</b>  |

1/ Preliminary.

**Table 4b – Indices of the physical volume of manufacturing production according to manufacturing divisions and major groups (concluded)**

**Base: 2010=100**

| Manufacturing divisions and major groups  | Weights 2011 | Average for 2013 | Actual indices |                  |  | Seasonally adjusted indices |               |  |
|---|--------------|------------------|----------------|------------------|--|-----------------------------|---------------|--|
|   |              |                  | February 2013  | 1/ February 2014 | % change between February 2013 and February 2014 | January 2014                | February 2014 | % change between January and February 2014 |
| <b>Food and beverages</b>   | <b>23,8</b>  | <b>108,0</b>     | <b>95,5</b>    | <b>98,7</b>      | <b>3,4</b>                                       | <b>113,2</b>                | <b>109,6</b>  | <b>-3,2</b>                                |
| -Meat, fish, fruit, etc.  | 5,2          | 109,5            | 96,2           | 107,3            | 11,5   | 117,4                       | 116,5         | -0,8                                       |
| -Dairy products   | 2,3          | 106,0            | 98,6           | 97,2             | -1,4   | 112,7                       | 104,0         | -7,7                                       |
| -Grain mill products  | 2,8          | 107,5            | 95,8           | 96,3             | 0,5  | 109,5                       | 107,3         | -2,0                                       |
| -Other food products  | 7,1          | 105,0            | 81,3           | 86,5             | 6,4  | 111,1                       | 108,0         | -2,8                                       |
| -Beverages  | 6,4          | 111,0            | 109,5          | 106,8            | -2,5   | 113,9                       | 109,0         | -4,3                                       |
| <b>Textiles, clothing, leather and footwear</b>                                       | <b>2,9</b>   | <b>95,2</b>      | <b>99,0</b>    | <b>98,5</b>      | <b>-0,5</b>                                      | <b>97,9</b>                 | <b>95,8</b>   | <b>-2,1</b>                                |
| -Textiles   | 0,8          | 82,8             | 94,7           | 90,2             | -4,8   | 84,2                        | 79,8          | -5,2                                       |
| -Other textile products   | 0,4          | 95,1             | 100,6          | 102,4            | 1,8  | 94,0                        | 96,0          | 2,1  |
| -Knitted, crocheted articles  | 0,1          | 65,9             | 78,0           | 66,0             | -15,4  | 60,5                        | 58,0          | -4,1                                       |
| -Wearing apparel  | 1,0          | 100,9            | 102,6          | 100,5            | -2,0   | 104,6                       | 103,6         | -1,0                                       |
| -Leather and leather products   | 0,2          | 120,3            | 112,2          | 126,1            | 12,4   | 134,8                       | 118,2         | -12,3                                      |
| -Footwear   | 0,4          | 101,5            | 96,2           | 101,0            | 5,0  | 104,0                       | 106,3         | 2,2  |
| <b>Wood and wood products, paper, publishing and printing</b>                         | <b>9,5</b>   | <b>103,6</b>     | <b>101,2</b>   | <b>96,4</b>      | <b>-4,7</b>                                      | <b>97,5</b>                 | <b>99,5</b>   | <b>2,1</b>                                 |
| -Sawmilling and planing of wood   | 0,8          | 108,4            | 100,9          | 114,3            | 13,3   | 110,1                       | 115,2         | 4,6  |
| -Products of wood   | 1,8          | 98,7             | 95,4           | 92,8             | -2,7   | 96,3                        | 99,1          | 2,9  |
| -Paper and paper products   | 3,3          | 100,0            | 91,6           | 94,9             | 3,6  | 100,7                       | 100,6         | -0,1                                       |
| -Publishing   | 1,4          | 116,5            | 102,6          | 96,4             | -6,0   | 97,2                        | 99,2          | 2,1  |
| -Printing, recorded media   | 2,2          | 102,6            | 119,7          | 94,9             | -20,7  | 89,3                        | 92,3          | 3,4  |
| <b>Petroleum, chemical products, rubber and plastic products</b>                      | <b>22,5</b>  | <b>108,6</b>     | <b>101,1</b>   | <b>105,5</b>     | <b>4,4</b>                                       | <b>113,2</b>                | <b>111,1</b>  | <b>-1,9</b>                                |
| -Coke, petroleum products and nuclear fuel  | 6,3          | 101,9            | 75,8           | 95,2             | 25,6   | 110,2                       | 107,8         | -2,2                                       |
| -Basic chemicals  | 4,8          | 108,7            | 101,3          | 107,8            | 6,4  | 113,4                       | 114,8         | 1,2  |
| -Other chemical products  | 7,1          | 114,5            | 115,5          | 110,0            | -4,8   | 115,8                       | 111,5         | -3,7                                       |
| -Rubber products  | 1,2          | 113,0            | 128,8          | 123,5            | -4,1   | 118,0                       | 113,8         | -3,6                                       |
| -Plastic products   | 3,1          | 107,4            | 108,8          | 105,8            | -2,8   | 111,6                       | 110,3         | -1,2                                       |
| <b>Glass and non-metallic mineral products</b>  | <b>4,4</b>   | <b>105,5</b>     | <b>94,5</b>    | <b>93,6</b>      | <b>-1,0</b>                                      | <b>102,2</b>                | <b>102,3</b>  | <b>0,1</b>                                 |
| -Glass and glass products   | 0,9          | 105,3            | 96,7           | 99,1             | 2,5  | 90,3                        | 102,3         | 13,3                                       |
| -Non-metallic mineral products  | 3,5          | 105,6            | 93,9           | 92,2             | -1,8   | 105,2                       | 102,3         | -2,8                                       |
| <b>Basic iron and steel, non-ferrous metal products, metal products and machinery</b> | <b>20,4</b>  | <b>105,3</b>     | <b>99,8</b>    | <b>101,1</b>     | <b>1,3</b>                                       | <b>102,6</b>                | <b>102,6</b>  | <b>0,0</b>                                 |
| -Basic iron and steel products  | 4,7          | 94,8             | 76,9           | 91,3             | 18,7   | 95,6                        | 92,9          | -2,8                                       |
| -Non-ferrous metal products   | 3,5          | 108,4            | 101,8          | 103,9            | 2,1  | 107,1                       | 107,7         | 0,6  |
| -Structural metal products  | 2,2          | 88,8             | 98,1           | 89,9             | -8,4   | 90,0                        | 84,2          | -6,4                                       |
| -Other fabricated metal products  | 3,9          | 119,5            | 115,8          | 123,7            | 6,8  | 113,6                       | 121,2         | 6,7  |
| -General purpose machinery  | 2,4          | 100,4            | 102,0          | 87,0             | -14,7  | 85,9                        | 93,2          | 8,5  |
| -Special purpose machinery  | 3,0          | 114,4            | 108,8          | 100,5            | -7,6   | 112,0                       | 106,0         | -5,4                                       |
| -Household appliances   | 0,7          | 113,6            | 116,1          | 117,2            | 0,9  | 126,6                       | 117,1         | -7,5                                       |
| <b>Electrical machinery</b>   | <b>2,4</b>   | <b>104,8</b>     | <b>101,4</b>   | <b>105,2</b>     | <b>3,7</b>                                       | <b>106,5</b>                | <b>106,6</b>  | <b>0,1</b>                                 |
| <b>Radio, television and communication apparatus and professional equipment</b>       | <b>1,4</b>   | <b>127,1</b>     | <b>128,4</b>   | <b>120,7</b>     | <b>-6,0</b>                                      | <b>141,9</b>                | <b>112,5</b>  | <b>-20,7</b>                               |
| -Radio, television and communication apparatus  | 0,9          | 141,2            | 146,7          | 132,5            | -9,7   | 165,0                       | 116,2         | -29,6                                      |
| -Professional equipment   | 0,5          | 105,2            | 100,1          | 102,5            | 2,4  | 106,3                       | 106,8         | 0,5  |
| <b>Motor vehicles, parts and accessories and other transport equipment</b>            | <b>8,6</b>   | <b>109,4</b>     | <b>113,7</b>   | <b>112,4</b>     | <b>-1,1</b>                                      | <b>117,5</b>                | <b>113,0</b>  | <b>-3,8</b>                                |
| -Motor vehicles   | 3,9          | 124,6            | 132,8          | 132,5            | -0,2   | 141,2                       | 132,7         | -6,0                                       |
| -Bodies for motor vehicles, trailers and semi-trailers                                | 0,5          | 111,2            | 101,1          | 100,4            | -0,7   | 108,2                       | 102,0         | -5,7                                       |
| -Parts and accessories  | 3,0          | 94,8             | 100,7          | 97,2             | -3,5   | 95,5                        | 95,1          | -0,4                                       |
| -Other transport equipment  | 1,2          | 96,8             | 91,1           | 91,4             | 0,3  | 100,8                       | 99,7          | -1,1                                       |
| <b>Furniture and other manufacturing division</b>                                     | <b>4,1</b>   | <b>94,8</b>      | <b>102,9</b>   | <b>104,1</b>     | <b>1,2</b>                                       | <b>99,9</b>                 | <b>98,3</b>   | <b>-1,6</b>                                |
| -Furniture  | 1,1          | 110,6            | 103,1          | 102,6            | -0,5   | 107,1                       | 107,9         | 0,7  |
| -Other manufacturing groups   | 3,0          | 89,3             | 102,8          | 104,6            | 1,8  | 97,4                        | 94,9          | -2,6                                       |
| <b>Total</b>  | <b>100,0</b> | <b>106,5</b>     | <b>100,7</b>   | <b>102,1</b>     | <b>1,4</b>                                       | <b>108,7</b>                | <b>106,6</b>  | <b>-1,9</b>                                |

1/ Preliminary.

**Table 5 – Total estimated sales of the manufacturing industry at current prices (R'000): 2008 – 2014**

| Month       | 2008                 | 2009                 | 2010                 | 2011                 | 2012                 | 2013                 | 2014           |
|-------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------|
| Jan         | 93 280 502           | 87 916 275           | 88 548 858           | 94 246 456           | 105 443 384          | 114 667 597          | 1/ 127 712 965 |
| Feb         | 110 769 560          | 99 565 792           | 100 040 055          | 109 522 908          | 123 677 978          | 129 430 936          | 1/ 143 485 990 |
| Mar         | 117 621 056          | 107 737 720          | 113 278 092          | 123 964 153          | 130 984 336          | 135 367 021          |                |
| Apr         | 119 609 521          | 92 230 272           | 99 980 962           | 106 169 292          | 115 493 885          | 131 245 797          |                |
| May         | 122 938 629          | 98 715 959           | 107 436 033          | 115 621 248          | 128 068 083          | 138 886 360          |                |
| Jun         | 127 601 209          | 100 377 623          | 111 752 400          | 120 091 539          | 128 588 051          | 136 903 333          |                |
| Jul         | 131 369 593          | 102 048 423          | 110 963 260          | 110 987 187          | 125 462 845          | 143 961 443          |                |
| Aug         | 129 126 848          | 103 007 029          | 108 663 903          | 122 688 235          | 132 094 313          | 141 465 771          |                |
| Sep         | 128 633 004          | 107 188 812          | 111 184 472          | 130 818 755          | 129 532 600          | 137 779 801          |                |
| Oct         | 135 163 841          | 112 486 658          | 119 561 318          | 131 429 847          | 141 820 125          | 153 497 418          |                |
| Nov         | 125 995 637          | 114 583 579          | 124 219 561          | 136 700 911          | 150 484 487          | 159 357 328          |                |
| Dec         | 98 974 837           | 97 356 722           | 102 518 765          | 115 525 999          | 121 426 485          | 1/ 138 000 892       |                |
| <b>Year</b> | <b>1 441 084 237</b> | <b>1 223 214 864</b> | <b>1 298 147 679</b> | <b>1 417 766 530</b> | <b>1 533 076 572</b> | <b>1 660 563 697</b> |                |

1/ Preliminary.

**Table 6 – Annual percentage change in the total estimated value of sales of the manufacturing industry: 2008 – 2014** 2/

| Month       | 2008        | 2009         | 2010       | 2011       | 2012       | 2013       | 2014 |
|-------------|-------------|--------------|------------|------------|------------|------------|------|
| Jan         | 12,0        | -5,8         | 0,7        | 6,4        | 11,9       | 8,7        | 11,4 |
| Feb         | 16,1        | -10,1        | 0,5        | 9,5        | 12,9       | 4,7        | 10,9 |
| Mar         | 14,5        | -8,4         | 5,1        | 9,4        | 5,7        | 3,3        |      |
| Apr         | 28,8        | -22,9        | 8,4        | 6,2        | 8,8        | 13,6       |      |
| May         | 18,0        | -19,7        | 8,8        | 7,6        | 10,8       | 8,4        |      |
| Jun         | 26,1        | -21,3        | 11,3       | 7,5        | 7,1        | 6,5        |      |
| Jul         | 29,0        | -22,3        | 8,7        | 0,0        | 13,0       | 14,7       |      |
| Aug         | 19,9        | -20,2        | 5,5        | 12,9       | 7,7        | 7,1        |      |
| Sep         | 24,9        | -16,7        | 3,7        | 17,7       | -1,0       | 6,4        |      |
| Oct         | 16,2        | -16,8        | 6,3        | 9,9        | 7,9        | 8,2        |      |
| Nov         | 5,9         | -9,1         | 8,4        | 10,0       | 10,1       | 5,9        |      |
| Dec         | 4,7         | -1,6         | 5,3        | 12,7       | 5,1        | 13,6       |      |
| <b>Year</b> | <b>17,9</b> | <b>-15,1</b> | <b>6,1</b> | <b>9,2</b> | <b>8,1</b> | <b>8,3</b> |      |

2/ The annual percentage change is the change in the sales of the manufacturing industry of the relevant month of the current year compared with the sales of the corresponding month of the previous year expressed as a percentage.

**Table 7 – Total seasonally adjusted sales of the manufacturing industry at current prices (R'000): 2008 – 2014**

| Month | 2008        | 2009        | 2010        | 2011        | 2012        | 2013        | 2014        |
|-------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Jan   | 111 043 533 | 105 229 922 | 105 649 836 | 111 948 669 | 123 684 130 | 134 096 292 | 149 011 836 |
| Feb   | 116 286 885 | 104 212 555 | 104 195 757 | 113 792 965 | 128 243 777 | 133 667 539 | 148 172 120 |
| Mar   | 113 772 856 | 103 689 564 | 108 580 766 | 118 942 694 | 126 078 382 | 130 303 649 |             |
| Apr   | 128 205 635 | 99 129 577  | 107 551 838 | 113 929 705 | 123 956 607 | 140 849 885 |             |
| May   | 122 313 972 | 99 031 211  | 107 545 825 | 115 342 552 | 127 842 457 | 138 619 479 |             |
| Jun   | 124 704 543 | 98 615 089  | 109 771 644 | 117 981 337 | 126 607 994 | 134 957 948 |             |
| Jul   | 128 323 322 | 100 531 267 | 109 575 066 | 109 897 326 | 124 543 457 | 143 071 257 |             |
| Aug   | 124 945 290 | 100 308 100 | 106 365 525 | 120 294 419 | 129 616 551 | 138 755 379 |             |
| Sep   | 122 244 268 | 102 173 804 | 106 261 509 | 125 737 659 | 125 155 103 | 133 537 058 |             |
| Oct   | 122 829 477 | 102 454 191 | 109 279 103 | 120 685 134 | 130 712 758 | 141 693 215 |             |
| Nov   | 113 274 615 | 102 776 775 | 110 976 786 | 121 984 179 | 134 499 794 | 142 438 312 |             |
| Dec   | 109 232 075 | 106 642 342 | 111 984 658 | 125 787 935 | 131 244 426 | 149 233 827 |             |

**Table 8a – Estimated sales of the manufacturing industry at current prices according to manufacturing divisions and major groups (R'000)**

| Manufacturing divisions and major groups  | Year 2013            | Actual values      |                    |                    | Seasonally adjusted values |                    |                    |
|---|----------------------|--------------------|--------------------|--------------------|----------------------------|--------------------|--------------------|
|   |                      | February 2013      | 1/ January 2014    | 1/ February 2014   | February 2013              | January 2014       | February 2014      |
| <b>Food and beverages</b>   | <b>350 792 551</b>   | <b>26 411 715</b>  | <b>27 467 890</b>  | <b>29 189 978</b>  | <b>28 046 168</b>          | <b>31 062 765</b>  | <b>31 123 405</b>  |
| -Meat, fish, fruit, etc.  | 88 138 403           | 6 122 606          | 6 632 181          | 7 346 355          | 6 769 223                  | 8 028 743          | 8 143 256          |
| -Dairy products   | 30 206 448           | 2 307 125          | 2 616 055          | 2 419 187          | 2 450 776                  | 2 725 254          | 2 567 456          |
| -Grain mill products  | 60 530 218           | 4 476 403          | 4 982 636          | 4 826 096          | 4 944 784                  | 5 372 015          | 5 337 717          |
| -Other food products  | 75 018 987           | 5 409 363          | 5 729 828          | 6 464 237          | 5 894 862                  | 6 538 815          | 7 053 655          |
| -Beverages  | 96 898 495           | 8 096 218          | 7 507 190          | 8 134 103          | 7 986 524                  | 8 397 939          | 8 021 322          |
| <b>Textiles, clothing, leather and footwear</b>                                       | <b>43 395 079</b>    | <b>3 482 764</b>   | <b>2 818 786</b>   | <b>3 785 370</b>   | <b>3 510 830</b>           | <b>3 835 363</b>   | <b>3 803 754</b>   |
| -Textiles   | 5 746 856            | 486 741            | 423 222            | 553 574            | 449 670                    | 533 247            | 510 779            |
| -Other textile products   | 10 528 612           | 879 338            | 686 641            | 973 929            | 852 947                    | 907 938            | 944 188            |
| -Knitted, crocheted articles  | 1 750 286            | 152 791            | 106 161            | 149 003            | 143 018                    | 145 356            | 138 875            |
| -Wearing apparel  | 15 200 804           | 1 184 014          | 889 841            | 1 258 988          | 1 258 504                  | 1 351 141          | 1 338 349          |
| -Leather and leather products   | 6 350 030            | 488 365            | 520 049            | 575 277            | 479 682                    | 577 787            | 565 094            |
| -Footwear   | 3 818 491            | 291 515            | 192 872            | 274 599            | 327 009                    | 319 894            | 306 470            |
| <b>Wood and wood products, paper, publishing and printing</b>                         | <b>123 669 024</b>   | <b>9 662 162</b>   | <b>8 891 082</b>   | <b>9 898 636</b>   | <b>9 974 161</b>           | <b>10 106 307</b>  | <b>10 261 615</b>  |
| -Sawmilling and planing of wood   | 9 116 235            | 693 943            | 668 138            | 780 856            | 710 766                    | 794 481            | 802 010            |
| -Products of wood   | 16 089 689           | 1 268 735          | 1 107 223          | 1 280 464          | 1 334 928                  | 1 335 050          | 1 347 689          |
| -Paper and paper products   | 56 669 102           | 4 215 523          | 4 218 555          | 4 674 315          | 4 468 331                  | 4 865 765          | 4 954 793          |
| -Publishing   | 19 276 283           | 1 363 733          | 1 316 948          | 1 388 291          | 1 395 594                  | 1 417 447          | 1 427 933          |
| -Printing, recorded media   | 22 517 715           | 2 120 228          | 1 580 218          | 1 774 710          | 2 064 542                  | 1 693 564          | 1 729 190          |
| <b>Petroleum, chemical products, rubber and plastic products</b>                      | <b>420 195 429</b>   | <b>31 044 806</b>  | <b>35 359 148</b>  | <b>35 474 072</b>  | <b>33 684 096</b>          | <b>38 504 141</b>  | <b>38 491 160</b>  |
| -Coke, petroleum products and nuclear fuel  | 180 117 559          | 12 556 512         | 16 652 156         | 14 645 389         | 14 196 333                 | 16 307 275         | 16 466 724         |
| -Basic chemicals  | 85 217 409           | 6 070 538          | 7 310 885          | 7 996 232          | 6 633 638                  | 8 433 910          | 8 745 437          |
| -Other chemical products  | 89 191 428           | 7 041 907          | 6 429 545          | 7 036 366          | 7 357 572                  | 7 795 913          | 7 360 391          |
| -Rubber products  | 15 681 997           | 1 367 701          | 1 244 263          | 1 485 814          | 1 310 118                  | 1 448 163          | 1 424 112          |
| -Plastic products   | 49 987 036           | 4 008 148          | 3 722 299          | 4 310 271          | 4 186 435                  | 4 518 880          | 4 494 496          |
| <b>Glass and non-metallic mineral products</b>  | <b>51 552 109</b>    | <b>3 837 351</b>   | <b>3 338 752</b>   | <b>4 035 328</b>   | <b>4 042 096</b>           | <b>4 299 971</b>   | <b>4 254 016</b>   |
| -Glass and glass products   | 8 991 034            | 645 941            | 595 028            | 677 533            | 679 938                    | 716 095            | 714 343            |
| -Non-metallic mineral products  | 42 561 075           | 3 191 410          | 2 743 724          | 3 357 795          | 3 362 158                  | 3 583 876          | 3 539 673          |
| <b>Basic iron and steel, non-ferrous metal products, metal products and machinery</b> | <b>358 886 085</b>   | <b>28 587 958</b>  | <b>27 057 533</b>  | <b>31 487 762</b>  | <b>28 568 603</b>          | <b>32 069 703</b>  | <b>31 352 175</b>  |
| -Basic iron and steel products  | 103 491 851          | 8 830 836          | 9 438 091          | 9 374 763          | 8 427 683                  | 10 145 663         | 8 846 357          |
| -Non-ferrous metal products   | 72 703 638           | 5 004 842          | 5 751 824          | 6 689 315          | 5 189 788                  | 6 671 842          | 6 891 247          |
| -Structural metal products  | 31 067 330           | 2 872 943          | 2 118 691          | 2 741 853          | 2 725 714                  | 2 694 973          | 2 596 703          |
| -Other fabricated metal products  | 61 647 526           | 4 859 606          | 4 018 594          | 5 367 294          | 4 874 908                  | 5 099 578          | 5 370 765          |
| -General purpose machinery  | 32 921 383           | 2 563 502          | 2 019 968          | 2 549 752          | 2 791 032                  | 2 644 091          | 2 775 922          |
| -Special purpose machinery  | 45 845 173           | 3 515 929          | 2 874 225          | 3 780 939          | 3 623 476                  | 3 823 092          | 3 893 441          |
| -Household appliances   | 11 209 184           | 940 300            | 836 140            | 983 846            | 936 002                    | 990 463            | 977 740            |
| <b>Electrical machinery</b>   | <b>46 753 406</b>    | <b>3 783 336</b>   | <b>2 985 575</b>   | <b>4 364 889</b>   | <b>3 698 058</b>           | <b>4 035 369</b>   | <b>4 247 475</b>   |
| <b>Radio, television and communication apparatus and professional equipment</b>       | <b>18 881 967</b>    | <b>1 466 020</b>   | <b>1 388 194</b>   | <b>1 617 143</b>   | <b>1 421 865</b>           | <b>1 890 456</b>   | <b>1 571 523</b>   |
| -Radio, television and communication apparatus  | 9 539 664            | 784 378            | 780 206            | 848 048            | 716 405                    | 1 079 449          | 771 610            |
| -Professional equipment   | 9 342 303            | 681 642            | 607 988            | 769 095            | 705 460                    | 811 007            | 799 913            |
| <b>Motor vehicles, parts and accessories and other transport equipment</b>            | <b>192 473 218</b>   | <b>16 638 448</b>  | <b>14 806 789</b>  | <b>18 875 579</b>  | <b>16 302 859</b>          | <b>18 613 788</b>  | <b>18 421 976</b>  |
| -Motor vehicles   | 105 830 876          | 9 460 444          | 7 732 484          | 10 968 542         | 9 136 278                  | 10 594 776         | 10 540 295         |
| -Bodies for motor vehicles, trailers and semi-trailers                                | 7 822 319            | 613 299            | 446 127            | 602 274            | 621 946                    | 673 133            | 610 527            |
| -Parts and accessories  | 59 922 039           | 5 113 207          | 5 126 828          | 5 736 819          | 4 978 666                  | 5 639 725          | 5 572 148          |
| -Other transport equipment  | 18 897 984           | 1 451 498          | 1 501 350          | 1 567 944          | 1 565 970                  | 1 706 154          | 1 699 005          |
| <b>Furniture and other manufacturing division</b>                                     | <b>53 964 829</b>    | <b>4 516 376</b>   | <b>3 599 216</b>   | <b>4 757 233</b>   | <b>4 418 802</b>           | <b>4 593 973</b>   | <b>4 645 019</b>   |
| -Furniture  | 13 442 912           | 1 023 407          | 742 111            | 1 046 573          | 1 092 503                  | 1 115 856          | 1 116 839          |
| -Other manufacturing groups   | 40 521 917           | 3 492 969          | 2 857 105          | 3 710 660          | 3 326 299                  | 3 478 117          | 3 528 180          |
| <b>Total</b>  | <b>1 660 563 697</b> | <b>129 430 936</b> | <b>127 712 965</b> | <b>143 485 990</b> | <b>133 667 539</b>         | <b>149 011 836</b> | <b>148 172 120</b> |

1/ Preliminary.

**Table 8b – Estimated sales of the manufacturing industry at current prices according to manufacturing divisions and major groups (R'000) (concluded)**

| Manufacturing divisions and major groups  | Year 2013            | Actual values      |                    |  | Seasonally adjusted values |                    |  |
|---|----------------------|--------------------|--------------------|--|----------------------------|--------------------|--|
|   |                      | February 2013      | 1/ February 2014   | % change between February 2013 and February 2014 | January 2014               | February 2014      | % change between January and February 2014 |
| <b>Food and beverages</b>   | <b>350 792 551</b>   | <b>26 411 715</b>  | <b>29 189 978</b>  | <b>10,5</b>                                      | <b>31 062 765</b>          | <b>31 123 405</b>  | <b>0,2</b>                                 |
| -Meat, fish, fruit, etc.  | 88 138 403           | 6 122 606          | 7 346 355          | 20,0   | 8 028 743                  | 8 143 256          | 1,4  |
| -Dairy products   | 30 206 448           | 2 307 125          | 2 419 187          | 4,9  | 2 725 254                  | 2 567 456          | -5,8                                       |
| -Grain mill products  | 60 530 218           | 4 476 403          | 4 826 096          | 7,8  | 5 372 015                  | 5 337 717          | -0,6                                       |
| -Other food products  | 75 018 987           | 5 409 363          | 6 464 237          | 19,5   | 6 538 815                  | 7 053 655          | 7,9  |
| -Beverages  | 96 898 495           | 8 096 218          | 8 134 103          | 0,5  | 8 397 939                  | 8 021 322          | -4,5                                       |
| <b>Textiles, clothing, leather and footwear</b>                                       | <b>43 395 079</b>    | <b>3 482 764</b>   | <b>3 785 370</b>   | <b>8,7</b>                                       | <b>3 835 363</b>           | <b>3 803 754</b>   | <b>-0,8</b>                                |
| -Textiles   | 5 746 856            | 486 741            | 553 574            | 13,7   | 533 247                    | 510 779            | -4,2                                       |
| -Other textile products   | 10 528 612           | 879 338            | 973 929            | 10,8   | 907 938                    | 944 188            | 4,0  |
| -Knitted, crocheted articles  | 1 750 286            | 152 791            | 149 003            | -2,5   | 145 356                    | 138 875            | -4,5                                       |
| -Wearing apparel  | 15 200 804           | 1 184 014          | 1 258 988          | 6,3  | 1 351 141                  | 1 338 349          | -0,9                                       |
| -Leather and leather products   | 6 350 030            | 488 365            | 575 277            | 17,8   | 577 787                    | 565 094            | -2,2                                       |
| -Footwear   | 3 818 491            | 291 515            | 274 599            | -5,8   | 319 894                    | 306 470            | -4,2                                       |
| <b>Wood and wood products, paper, publishing and printing</b>                         | <b>123 669 024</b>   | <b>9 662 162</b>   | <b>9 898 636</b>   | <b>2,4</b>                                       | <b>10 106 307</b>          | <b>10 261 615</b>  | <b>1,5</b>                                 |
| -Sawmilling and planing of wood   | 9 116 235            | 693 943            | 780 856            | 12,5   | 794 481                    | 802 010            | 0,9  |
| -Products of wood   | 16 089 689           | 1 268 735          | 1 280 464          | 0,9  | 1 335 050                  | 1 347 689          | 0,9  |
| -Paper and paper products   | 56 669 102           | 4 215 523          | 4 674 315          | 10,9   | 4 865 765                  | 4 954 793          | 1,8  |
| -Publishing   | 19 276 283           | 1 363 733          | 1 388 291          | 1,8  | 1 417 447                  | 1 427 933          | 0,7  |
| -Printing, recorded media   | 22 517 715           | 2 120 228          | 1 774 710          | -16,3  | 1 693 564                  | 1 729 190          | 2,1  |
| <b>Petroleum, chemical products, rubber and plastic products</b>                      | <b>420 195 429</b>   | <b>31 044 806</b>  | <b>35 474 072</b>  | <b>14,3</b>                                      | <b>38 504 141</b>          | <b>38 491 160</b>  | <b>0,0</b>                                 |
| -Coke, petroleum products and nuclear fuel  | 180 117 559          | 12 556 512         | 14 645 389         | 16,6   | 16 307 275                 | 16 466 724         | 1,0  |
| -Basic chemicals  | 85 217 409           | 6 070 538          | 7 996 232          | 31,7   | 8 433 910                  | 8 745 437          | 3,7  |
| -Other chemical products  | 89 191 428           | 7 041 907          | 7 036 366          | -0,1   | 7 795 913                  | 7 360 391          | -5,6                                       |
| -Rubber products  | 15 681 997           | 1 367 701          | 1 485 814          | 8,6  | 1 448 163                  | 1 424 112          | -1,7                                       |
| -Plastic products   | 49 987 036           | 4 008 148          | 4 310 271          | 7,5  | 4 518 880                  | 4 494 496          | -0,5                                       |
| <b>Glass and non-metallic mineral products</b>  | <b>51 552 109</b>    | <b>3 837 351</b>   | <b>4 035 328</b>   | <b>5,2</b>                                       | <b>4 299 971</b>           | <b>4 254 016</b>   | <b>-1,1</b>                                |
| -Glass and glass products   | 8 991 034            | 645 941            | 677 533            | 4,9  | 716 095                    | 714 343            | -0,2                                       |
| -Non-metallic mineral products  | 42 561 075           | 3 191 410          | 3 357 795          | 5,2  | 3 583 876                  | 3 539 673          | -1,2                                       |
| <b>Basic iron and steel, non-ferrous metal products, metal products and machinery</b> | <b>358 886 085</b>   | <b>28 587 958</b>  | <b>31 487 762</b>  | <b>10,1</b>                                      | <b>32 069 703</b>          | <b>31 352 175</b>  | <b>-2,2</b>                                |
| -Basic iron and steel products  | 103 491 851          | 8 830 836          | 9 374 763          | 6,2  | 10 145 663                 | 8 846 357          | -12,8                                      |
| -Non-ferrous metal products   | 72 703 638           | 5 004 842          | 6 689 315          | 33,7   | 6 671 842                  | 6 891 247          | 3,3  |
| -Structural metal products  | 31 067 330           | 2 872 943          | 2 741 853          | -4,6   | 2 694 973                  | 2 596 703          | -3,6                                       |
| -Other fabricated metal products  | 61 647 526           | 4 859 606          | 5 367 294          | 10,4   | 5 099 578                  | 5 370 765          | 5,3  |
| -General purpose machinery  | 32 921 383           | 2 563 502          | 2 549 752          | -0,5   | 2 644 091                  | 2 775 922          | 5,0  |
| -Special purpose machinery  | 45 845 173           | 3 515 929          | 3 780 939          | 7,5  | 3 823 092                  | 3 893 441          | 1,8  |
| -Household appliances   | 11 209 184           | 940 300            | 983 846            | 4,6  | 990 463                    | 977 740            | -1,3                                       |
| <b>Electrical machinery</b>   | <b>46 753 406</b>    | <b>3 783 336</b>   | <b>4 364 889</b>   | <b>15,4</b>                                      | <b>4 035 369</b>           | <b>4 247 475</b>   | <b>5,3</b>                                 |
| <b>Radio, television and communication apparatus and professional equipment</b>       | <b>18 881 967</b>    | <b>1 466 020</b>   | <b>1 617 143</b>   | <b>10,3</b>                                      | <b>1 890 456</b>           | <b>1 571 523</b>   | <b>-16,9</b>                               |
| -Radio, television and communication apparatus  | 9 539 664            | 784 378            | 848 048            | 8,1  | 1 079 449                  | 771 610            | -28,5                                      |
| -Professional equipment   | 9 342 303            | 681 642            | 769 095            | 12,8   | 811 007                    | 799 913            | -1,4                                       |
| <b>Motor vehicles, parts and accessories and other transport equipment</b>            | <b>192 473 218</b>   | <b>16 638 448</b>  | <b>18 875 579</b>  | <b>13,4</b>                                      | <b>18 613 788</b>          | <b>18 421 976</b>  | <b>-1,0</b>                                |
| -Motor vehicles   | 105 830 876          | 9 460 444          | 10 968 542         | 15,9   | 10 594 776                 | 10 540 295         | -0,5                                       |
| -Bodies for motor vehicles, trailers and semi-trailers                                | 7 822 319            | 613 299            | 602 274            | -1,8   | 673 133                    | 610 527            | -9,3                                       |
| -Parts and accessories  | 59 922 039           | 5 113 207          | 5 736 819          | 12,2   | 5 639 725                  | 5 572 148          | -1,2                                       |
| -Other transport equipment  | 18 897 984           | 1 451 498          | 1 567 944          | 8,0  | 1 706 154                  | 1 699 005          | -0,4                                       |
| <b>Furniture and other manufacturing division</b>                                     | <b>53 964 829</b>    | <b>4 516 376</b>   | <b>4 757 233</b>   | <b>5,3</b>                                       | <b>4 593 973</b>           | <b>4 645 019</b>   | <b>1,1</b>                                 |
| -Furniture  | 13 442 912           | 1 023 407          | 1 046 573          | 2,3  | 1 115 856                  | 1 116 839          | 0,1  |
| -Other manufacturing groups   | 40 521 917           | 3 492 969          | 3 710 660          | 6,2  | 3 478 117                  | 3 528 180          | 1,4  |
| <b>Total</b>  | <b>1 660 563 697</b> | <b>129 430 936</b> | <b>143 485 990</b> | <b>10,9</b>                                      | <b>149 011 836</b>         | <b>148 172 120</b> | <b>-0,6</b>                                |

1/ Preliminary.

**Table 9 – Annual percentage change in the three-monthly physical volume of manufacturing production and estimated sales according to manufacturing divisions and major groups**

| Manufacturing divisions and major groups  | Weights 2011 | Production indices (base: 2010=100) |                        |  | Value of sales (R'000) |                        |  |
|---|--------------|-------------------------------------|------------------------|--|------------------------|------------------------|--|
|   |              | Dec. 2012 to Feb. 2013              | Dec. 2013 to Feb. 2014 | % change between Dec. 2012 to Feb. 2013 and Dec. 2013 to Feb. 2014 | Dec. 2012 to Feb. 2013 | Dec. 2013 to Feb. 2014 | % change between Dec. 2012 to Feb. 2013 and Dec. 2013 to Feb. 2014 |
| <b>Food and beverages</b>   | <b>23,8</b>  | <b>100,0</b>                        | <b>104,7</b>           | <b>4,7</b>   | <b>84 036 281</b>      | <b>92 495 050</b>      | <b>10,1</b>  |
| -Meat, fish, fruit, etc.  | 5,2          | 96,8                                | 108,6                  | 12,2   | 19 236 686             | 22 635 317             | 17,7   |
| -Dairy products   | 2,3          | 105,0                               | 108,2                  | 3,0  | 7 191 199              | 7 833 672              | 8,9  |
| -Grain mill products  | 2,8          | 99,1                                | 102,5                  | 3,4  | 13 859 254             | 15 065 420             | 8,7  |
| -Other food products  | 7,1          | 82,0                                | 86,0                   | 4,9  | 16 972 095             | 18 924 126             | 11,5   |
| -Beverages  | 6,4          | 121,2                               | 121,9                  | 0,6  | 26 777 047             | 28 036 515             | 4,7  |
| <b>Textiles, clothing, leather and footwear</b>                                       | <b>2,9</b>   | <b>78,5</b>                         | <b>79,8</b>            | <b>1,7</b>   | <b>8 791 747</b>       | <b>9 605 523</b>       | <b>9,3</b>   |
| -Textiles   | 0,8          | 72,7                                | 70,1                   | -3,6   | 1 162 470              | 1 302 768              | 12,1   |
| -Other textile products   | 0,4          | 78,7                                | 82,1                   | 4,3  | 2 130 941              | 2 349 241              | 10,2   |
| -Knitted, crocheted articles  | 0,1          | 57,8                                | 51,4                   | -11,1  | 357 485                | 366 794                | 2,6  |
| -Wearing apparel  | 1,0          | 83,4                                | 82,4                   | -1,2   | 3 036 531              | 3 218 627              | 6,0  |
| -Leather and leather products   | 0,2          | 99,8                                | 120,2                  | 20,4   | 1 356 852              | 1 629 717              | 20,1   |
| -Footwear   | 0,4          | 73,6                                | 78,5                   | 6,7  | 747 468                | 738 376                | -1,2   |
| <b>Wood and wood products, paper, publishing and printing</b>                         | <b>9,5</b>   | <b>96,1</b>                         | <b>93,2</b>            | <b>-3,0</b>  | <b>27 633 806</b>      | <b>28 908 740</b>      | <b>4,6</b>   |
| -Sawmilling and planing of wood   | 0,8          | 90,1                                | 99,1                   | 10,0   | 1 817 218              | 2 187 894              | 20,4   |
| -Products of wood   | 1,8          | 87,2                                | 80,5                   | -7,7   | 3 414 894              | 3 354 745              | -1,8   |
| -Paper and paper products   | 3,3          | 92,8                                | 95,9                   | 3,3  | 12 657 256             | 13 834 650             | 9,3  |
| -Publishing   | 1,4          | 104,7                               | 100,0                  | -4,5   | 4 175 138              | 4 292 822              | 2,8  |
| -Printing, recorded media   | 2,2          | 104,8                               | 93,0                   | -11,3  | 5 569 300              | 5 238 629              | -5,9   |
| <b>Petroleum, chemical products, rubber and plastic products</b>                      | <b>22,5</b>  | <b>101,8</b>                        | <b>104,2</b>           | <b>2,4</b>   | <b>93 097 115</b>      | <b>106 803 176</b>     | <b>14,7</b>  |
| -Coke, petroleum products and nuclear fuel  | 6,3          | 100,3                               | 106,6                  | 6,3  | 40 919 357             | 48 472 852             | 18,5   |
| -Basic chemicals  | 4,8          | 102,8                               | 109,5                  | 6,5  | 18 171 056             | 22 455 713             | 23,6   |
| -Other chemical products  | 7,1          | 105,3                               | 102,4                  | -2,8   | 19 836 985             | 20 391 664             | 2,8  |
| -Rubber products  | 1,2          | 99,9                                | 100,7                  | 0,8  | 3 498 205              | 3 783 777              | 8,2  |
| -Plastic products   | 3,1          | 95,6                                | 96,5                   | 0,9  | 10 671 512             | 11 699 170             | 9,6  |
| <b>Glass and non-metallic mineral products</b>  | <b>4,4</b>   | <b>88,6</b>                         | <b>85,7</b>            | <b>-3,3</b>  | <b>10 156 630</b>      | <b>10 578 465</b>      | <b>4,2</b>   |
| -Glass and glass products   | 0,9          | 96,7                                | 90,7                   | -6,2   | 1 948 082              | 1 928 270              | -1,0   |
| -Non-metallic mineral products  | 3,5          | 86,5                                | 84,4                   | -2,4   | 8 208 548              | 8 650 195              | 5,4  |
| <b>Basic iron and steel, non-ferrous metal products, metal products and machinery</b> | <b>20,4</b>  | <b>91,2</b>                         | <b>92,9</b>            | <b>1,9</b>   | <b>75 846 249</b>      | <b>84 646 363</b>      | <b>11,6</b>  |
| -Basic iron and steel products  | 4,7          | 82,6                                | 88,6                   | 7,3  | 22 723 475             | 25 989 313             | 14,4   |
| -Non-ferrous metal products   | 3,5          | 100,5                               | 102,1                  | 1,6  | 15 432 405             | 18 560 767             | 20,3   |
| -Structural metal products  | 2,2          | 79,9                                | 77,0                   | -3,6   | 6 970 230              | 6 905 006              | -0,9   |
| -Other fabricated metal products  | 3,9          | 95,8                                | 103,8                  | 8,4  | 12 315 181             | 13 392 689             | 8,7  |
| -General purpose machinery  | 2,4          | 94,0                                | 80,1                   | -14,8  | 7 154 161              | 7 020 546              | -1,9   |
| -Special purpose machinery  | 3,0          | 92,6                                | 94,8                   | 2,4  | 8 915 936              | 10 235 836             | 14,8   |
| -Household appliances   | 0,7          | 98,6                                | 104,4                  | 5,9  | 2 334 861              | 2 542 206              | 8,9  |
| <b>Electrical machinery</b>   | <b>2,4</b>   | <b>83,0</b>                         | <b>86,5</b>            | <b>4,2</b>   | <b>8 989 860</b>       | <b>10 372 754</b>      | <b>15,4</b>  |
| <b>Radio, television and communication apparatus and professional equipment</b>       | <b>1,4</b>   | <b>109,5</b>                        | <b>120,9</b>           | <b>10,4</b>  | <b>3 894 923</b>       | <b>4 692 396</b>       | <b>20,5</b>  |
| -Radio, television and communication apparatus  | 0,9          | 121,9                               | 136,4                  | 11,9   | 1 930 732              | 2 471 381              | 28,0   |
| -Professional equipment   | 0,5          | 90,2                                | 96,8                   | 7,3  | 1 964 191              | 2 221 015              | 13,1   |
| <b>Motor vehicles, parts and accessories and other transport equipment</b>            | <b>8,6</b>   | <b>95,1</b>                         | <b>95,7</b>            | <b>0,6</b>   | <b>41 311 585</b>      | <b>48 550 415</b>      | <b>17,5</b>  |
| -Motor vehicles   | 3,9          | 105,9                               | 109,0                  | 2,9  | 22 868 514             | 27 777 138             | 21,5   |
| -Bodies for motor vehicles, trailers and semi-trailers                                | 0,5          | 81,8                                | 82,6                   | 1,0  | 1 430 717              | 1 498 057              | 4,7  |
| -Parts and accessories  | 3,0          | 87,6                                | 81,4                   | -7,1   | 12 968 053             | 14 385 254             | 10,9   |
| -Other transport equipment  | 1,2          | 85,1                                | 94,6                   | 11,2   | 4 044 301              | 4 889 966              | 20,9   |
| <b>Furniture and other manufacturing division</b>                                     | <b>4,1</b>   | <b>86,7</b>                         | <b>88,3</b>            | <b>1,8</b>   | <b>11 766 822</b>      | <b>12 546 965</b>      | <b>6,6</b>   |
| -Furniture  | 1,1          | 87,4                                | 87,3                   | -0,1   | 2 664 728              | 2 717 799              | 2,0  |
| -Other manufacturing groups   | 3,0          | 86,4                                | 88,6                   | 2,5  | 9 102 094              | 9 829 166              | 8,0  |
| <b>Total</b>  | <b>100,0</b> | <b>95,8</b>                         | <b>97,9</b>            | <b>2,2</b>   | <b>365 525 018</b>     | <b>409 199 847</b>     | <b>11,9</b>  |



## Explanatory notes

- 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 below). The release contains monthly indices of the physical volume of manufacturing production and monthly value of sales of manufactured products by divisions and major groups within manufacturing.
  - 2 In accordance with international practice, the indices are re-based every five years to a new base year. The 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 for respondents who have not reported by the cut-off date for production of results. These estimates will be revised in future statistical releases when their reported information becomes available.
  - 4 As indicated earlier, Stats SA is continuously upgrading its BR, 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 indices of the physical volume of manufacturing production. These indices provide an indicator of the real level of manufacturing activity in the economy. They are used in monitoring the state of the economy and formulation of economic policy. They are also important inputs to estimation of the gross domestic product (GDP).
- 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 February 2014 was 91,0%. Improved collection rate for January 2014 was 92,7%.
- Statistical unit**
- 10 The statistical unit for which information is compiled and published is the 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.

**Survey methodology and design**

- 11 The survey is conducted monthly. Questionnaires are sent to a sample of 3 000 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 non-respondents.
- 12 The value of sales of manufactured products is obtained monthly from the sample of 3 000 enterprises, which was drawn in April 2013 from a population then of 47 605 manufacturing enterprises. Each manufacturing major group is divided into four size groups. The sample is drawn at the SIC three-digit level. All large enterprises (size group one), are completely enumerated. Simple random sampling is applied for size group two (medium sized) enterprises, and for size groups three and four (small) 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 groups two, three and four of that major group to reflect the total value of sales of the major group.
- 13 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.
- 14 More direct indicators are used for the value of production of 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 physical 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).

**Weighting methodology**

- 15 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.
- 16 For indices, a weight is calculated for every major group according to the value added of the major group relative to the total value added of the manufacturing industry as a whole, based on the results of the most recent large sample survey of the manufacturing industry or national accounts value added weights. For the period 2001 to 2004, the weights are based on the 2001 large sample survey of the manufacturing industry (LSS), for the period 2005 to 2009, the weights are based on the 2005 LSS, for the period 2010 the weights are based on national accounts value added data for 2010 and for the period 2011 to 2014, the weights are based on national accounts value added data of 2011. Weights between LSS / national accounts years are fixed. The production indices of all divisions are multiplied by the applicable weights and aggregated to produce the index for the total physical volume of manufacturing production (see Table E for the fixed weights which were used for the three periods 2005 to 2009, 2010 and 2011 to 2014).

**Seasonal adjustment**

- 17 Seasonally adjusted estimates of all major groups are generated each month, using the X-11 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 a time 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. Currently, no adjustment is made for changes in the timing of Easter. Therefore the month-to-month movements of seasonally adjusted estimates may not be reliable indicators of trend behaviour.

- Trend cycle** 18 The trend is the long-term pattern or movement of a time series. The X-11 Seasonal Adjustment Programme is used for smoothing seasonally adjusted estimates to estimates of the underlying trend cycle.
- Reliability of estimates** 19 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.
- 20 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.
- Revised figures** 21 Revised figures are due to late submission of data to Stats SA, or respondents reporting revisions or corrections to their figures. Preliminary figures are indicated in the relevant tables. Data are edited at the enterprise level.
- Related publications** 22 Users may also wish to refer to the following publications available from Stats SA -
- *Bulletin of Statistics*, issued quarterly.
  - *SA Statistics*, issued annually.
- Rounding-off of figures** 23 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.
- Symbols and abbreviations** 24
- |          |   |
|----------|---|
| BR       | Business Register   |
| GDP      | Gross domestic product  |
| ISIC     | International Standard Industrial Classification              |
| LSS      | Large sample survey   |
| m        | Million   |
| SIC      | Standard Industrial Classification of all Economic Activities |
| SARS     | South African Revenue Service                                 |
| Stats SA | Statistics South Africa                                       |
| VAT      | Value added tax   |
| *        | Revised figures   |
- Changes in current issue** 25 This is the first statistical release presenting production indices with 2011 weights as obtained from the 2011 national accounts value added weights. Previously, the weights were based on the 2010 national accounts value added weights.

**Technical notes**

**26 Neyman optimal allocation**

Before drawing a sample in the survey the population of enterprises on the BSF was stratified. Strata were formed using a combination of Standard Industrial Classification variable and the measure of size variable for enterprises. 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: Manufacturing (Rand)

| Enterprise size | Lower limits | Upper limits |
|-----------------|--------------|--------------|
| Very small      | 0            | 15 000 000   |
| Small           | 15 000 001   | 39 000 000   |
| Medium          | 39 000 001   | 153 000 000  |
| Large           | 153 000 001  |              |

## Glossary

|   |  |
|---|--|
| <b>Enterprise</b>   | An 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.  |
| <b>Index of physical volume of manufacturing production</b> | The index of physical 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 base period is 2010. The production in the base period is set at 100.  |
| <b>Industry</b>   | An industry consists of a group of enterprises engaged in the same or similar kinds of economic activity. Industries are defined in the <i>System of National Accounts</i> (SNA) in the same way as in the 1993 <i>Standard Industrial Classification of all Economic Activities</i> , Fifth Edition, Report No. 09-90-02 of January 1993 (SIC).   |
| <b>Intermediate consumption</b>                             | Intermediate consumption includes - <ul style="list-style-type: none"><li>• purchases and transfers-in of materials;</li><li>• payments to other establishments for work done;</li><li>• other direct factory costs;</li><li>• rent and leasing paid;</li><li>• head office charges;</li><li>• royalties, copyright, trade names and patent rights paid;</li><li>• advertising;</li><li>• insurance premiums;</li><li>• services; and</li><li>• secretarial and administrative fees.</li></ul>   |
| <b>Output</b>   | Output is the aggregate value of goods manufactured and work done and includes - <ul style="list-style-type: none"><li>• sales and transfers-out of own manufactures, factory waste and stocks of factored goods;</li><li>• repairs;</li><li>• installation, erection and assembly;</li><li>• sundry trading revenue;</li><li>• sales of factored goods minus purchases of factored goods;</li><li>• rent and leasing received;</li><li>• royalties received;</li><li>• difference between opening value and closing value of work in progress, stocks of own manufactures and stocks of factored goods;</li><li>• head office charges; and</li><li>• other revenue.</li></ul> Output excludes excise and customs duty paid. |
| <b>Value added</b>  | Value added is the value of output less intermediate consumption. It represents the value added to the cost of the materials used in the process of production.  |
| <b>Sales</b>  | 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.   |
| <b>Turnover</b>   | Turnover refers to - <ul style="list-style-type: none"><li>• the value of sales and transfers out of all own manufactured products/articles;</li><li>• amounts received for work done; and</li><li>• amounts received for services rendered.</li></ul>   |

Turnover excludes -

- value added tax (VAT);
- export freight charges; and
- excise duty.

**Weight**

The weight of a major group of manufacturing in the overall index for manufacturing is the ratio of the value added of the major group (i.e. output of a major group minus intermediate consumption) to the total value added of the manufacturing industry. The weight reflects the importance of the major group in the total. 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 according to manufacturing divisions and major groups**

| <b>Manufacturing divisions and major groups</b>                                       | <b>Weights according to the 2005 LSS of the manufacturing industry 2005 - 2009</b> | <b>Weights according to 2010 national accounts value added 2010</b> | <b>Weights according to 2011 national accounts value added 2011 - 2014</b> |
|---|--|---|--|
| <b>Food and beverages</b>   | <b>15,4</b>  | <b>22,1</b>   | <b>23,8</b>  |
| Meat, fish, fruit, etc.   | 1,8  | 4,4   | 5,2  |
| Dairy products  | 0,8  | 2,2   | 2,3  |
| Grain mill products   | 0,8  | 2,7   | 2,8  |
| Other food products   | 5,2  | 6,4   | 7,1  |
| Beverages   | 6,8  | 6,4   | 6,4  |
| <b>Textiles, clothing, leather and footwear</b>                                       | <b>4,9</b>   | <b>3,5</b>  | <b>2,9</b>   |
| Textiles  | 0,7  | 0,7   | 0,8  |
| Other textile products  | 0,9  | 0,4   | 0,4  |
| Knitted, crocheted articles   | 0,2  | 0,1   | 0,1  |
| Wearing apparel   | 2,1  | 1,6   | 1,0  |
| Tanning, dressing of leather  | 0,6  | 0,2   | 0,2  |
| Footwear  | 0,4  | 0,5   | 0,4  |
| <b>Wood and wood products, paper, publishing and printing</b>                         | <b>10,2</b>  | <b>9,3</b>  | <b>9,5</b>   |
| Sawmilling and planing of wood  | 0,7  | 0,8   | 0,8  |
| Products of wood  | 1,3  | 1,7   | 1,8  |
| Paper and paper products  | 3,8  | 3,2   | 3,3  |
| Publishing  | 1,9  | 1,4   | 1,4  |
| Printing, recorded media  | 2,5  | 2,2   | 2,2  |
| <b>Petroleum, chemical products, rubber and plastic products</b>                      | <b>22,1</b>  | <b>25,1</b>   | <b>22,5</b>  |
| Petroleum products  | 8,5  | 8,0   | 6,3  |
| Basic chemicals   | 4,5  | 5,8   | 4,8  |
| Other chemical products   | 5,3  | 7,4   | 7,1  |
| Rubber products   | 1,0  | 1,2   | 1,2  |
| Plastic products  | 2,7  | 2,7   | 3,1  |
| <b>Glass and non-metallic mineral products</b>  | <b>4,8</b>   | <b>4,9</b>  | <b>4,4</b>   |
| Glass and glass products  | 1,0  | 0,8   | 0,9  |
| Non-metallic mineral products   | 3,8  | 4,1   | 3,5  |
| <b>Basic iron and steel, non-ferrous metal products, metal products and machinery</b> | <b>22,9</b>  | <b>20,3</b>   | <b>20,4</b>  |
| Basic iron and steel products   | 7,7  | 4,4   | 4,7  |
| Non-ferrous metal products  | 3,4  | 3,5   | 3,5  |
| Structural metal products   | 2,0  | 1,9   | 2,2  |
| Other fabricated metal products   | 3,8  | 3,8   | 3,9  |
| General purpose machinery   | 2,4  | 2,3   | 2,4  |
| Special purpose machinery   | 3,1  | 3,5   | 3,0  |
| Household appliances  | 0,6  | 0,9   | 0,7  |
| <b>Electrical machinery</b>   | <b>2,5</b>   | <b>2,4</b>  | <b>2,4</b>   |
| <b>Radio, television and communication apparatus and professional equipment</b>       | <b>1,1</b>   | <b>1,3</b>  | <b>1,4</b>   |
| Radio, television and communication apparatus   | 0,4  | 0,8   | 0,9  |
| Professional equipment  | 0,7  | 0,5   | 0,5  |
| <b>Motor vehicles, parts and accessories and other transport equipment</b>            | <b>10,9</b>  | <b>7,9</b>  | <b>8,6</b>   |
| Motor vehicles  | 4,9  | 3,2   | 3,9  |
| Bodies for motor vehicles, trailers and semi-trailers                                 | 0,5  | 0,6   | 0,5  |
| Parts and accessories   | 4,7  | 2,9   | 3,0  |
| Other transport equipment   | 0,9  | 1,2   | 1,2  |
| <b>Other manufacturing divisions</b>  | <b>5,2</b>   | <b>3,2</b>  | <b>4,1</b>   |
| Furniture   | 1,3  | 0,9   | 1,1  |
| Other manufacturing groups  | 3,9  | 2,3   | 3,0  |
| <b>Total</b>  | <b>100,0</b>   | <b>100,0</b>  | <b>100,0</b>   |

## 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.

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