

# Statistical release

# Land transport survey (Preliminary)

January 2013

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Statistics South Africa 2 P7162

#### Contents

| Freight transportation: results for January 2013  | 3  |
|---|----|
| Table A – Year-on-year percentage change in freight transportation (income at current prices)   | 3  |
| Table B – Freight transportation income at current prices for the latest three months by type of commodity.   | 3  |
| Figure 1 – Freight transportation: year-on-year percentage change in payload  | 4  |
| Passenger transportation: results for January 2013  | 4  |
| Table C – Year-on-year percentage change in passenger transportation (income at current prices)   | 4  |
| Figure 2 – Passenger transportation: year-on-year percentage change in passenger journeys   | 4  |
| Tables  | 5  |
| Table 1 – Freight transportation (income at current prices)   | 5  |
| Table 2 – Year-on-year percentage change in freight transportation (income at current prices)   | 5  |
| Table 3 – Freight transportation income at current prices by type of commodity (R million)  | 6  |
| Table 4 – Year-on-year percentage change in freight transportation income at current prices by type of commodity  | 6  |
| Table 5 – Contribution of each type of commodity to the year-on-year percentage change in freight transportation income at current prices (percentage points) | 6  |
| Table 6 – Passenger transportation (income at current prices)   | 7  |
| Table 7 – Year-on-year percentage change in passenger transportation (income at current prices)   | 7  |
| Annexure A – Comparison between the old and new layouts   | 8  |
| Survey information  | 10 |
| Technical notes   | 11 |
| Glossary  | 12 |
| Technical enquiries   | 12 |
| Conoral information   | 12 |

Statistics South Africa 3 P7162

#### Please note the new layout of this statistical release – see Annexure A.

#### Freight transportation: results for January 2013

Table A – Year-on-year percentage change in freight transportation (income at current prices)

|                 | Aug-12 | Sep-12 | Oct-12 | Nov-12 | Dec-12 | Jan-13 |
|-----------------|--------|--------|--------|--------|--------|--------|
| Freight payload | -1,3   | -6,8   | -4,6   | 4,1    | -0,5   | 2,2    |
| Freight income  | 4,7    | -0,4   | 2,3    | 10,2   | 4,2    | 8,1    |

The volume of goods transported (payload) increased by 2,2% in January 2013 compared with January 2012. The corresponding income increased by 8,1% over the same period.

Table B – Freight transportation income at current prices for the latest three months by type of commodity

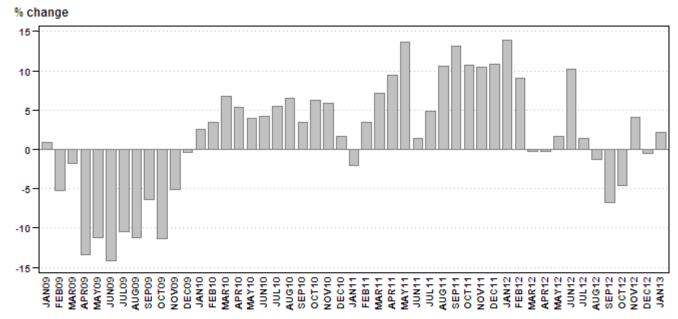
| Type of commodity  | Nov 2011 –<br>Jan 2012<br>(R million) | Weight | Nov 2012 –<br>Jan 2013<br>(R million) | % change between Nov 2011 – Jan 2012 and Nov 2012 – Jan 2013 | Contribution<br>(% points) to<br>the total %<br>change |
|--|---------------------------------------|--------|---------------------------------------|--|--|
| Agriculture and forestry primary products                              | 1 647                                 | 7,2    | 1 537                                 | -6,7   | -0,5   |
| Primary mining and quarrying products                                  | 7 268                                 | 31,9   | 7 986                                 | 9,9  | 3,2  |
| Manufactured food, beverages and tobacco products                      | 3 366                                 | 14,8   | 3 722                                 | 10,6   | 1,6  |
| Textiles, clothing and leather goods                                   | 298                                   | 1,3    | 381                                   | 27,9   | 0,4  |
| Chemicals, coke, petroleum, rubber, plastic and other mineral products | 1 917                                 | 8,4    | 1 979                                 | 3,2  | 0,3  |
| Basic metals and fabricated metal products                             | 1 297                                 | 5,7    | 1 232                                 | -5,0   | -0,3   |
| Non-metallic products  | 856                                   | 3,8    | 825                                   | -3,6   | -0,1   |
| Electrical machinery, transport machinery and equipment                | 534                                   | 2,3    | 615                                   | 15,2   | 0,3  |
| Motor vehicles, parts and accessories                                  | 613                                   | 2,7    | 666                                   | 8,6  | 0,2  |
| Paper and paper products   | 417                                   | 1,8    | 400                                   | -4,1   | -0,1   |
| Commercial products  | 710                                   | 3,1    | 673                                   | -5,2   | -0,2   |
| Used household and office products                                     | 204                                   | 0,9    | 231                                   | 13,2   | 0,1  |
| Containers   | 1 073                                 | 4,7    | 1 285                                 | 19,8   | 0,9  |
| Parcels  | 416                                   | 1,8    | 484                                   | 16,3   | 0,3  |
| Other freight  | 2 148                                 | 9,4    | 2 477                                 | 15,3   | 1,4  |
| Total income   | 22 762                                | 100,0  | 24 490                                | 7,6  | 7,6  |

Income from freight transportation increased by 7,6% in the three months ended January 2013 compared with the three months ended January 2012. The main contributors to this increase were:

- primary mining and quarrying products (9,9% and contributing 3,2 percentage points);
- manufactured food, beverages and tobacco products (10,6% and contributing 1,6 percentage points); and
- 'other' freight (15,3% and contributing 1,4 percentage points) see Table B.

Statistics South Africa 4 P7162

Figure 1 – Freight transportation: year-on-year percentage change in payload



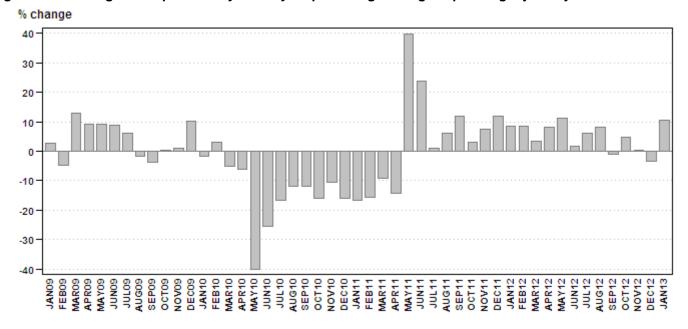
#### Passenger transportation: results for January 2013

Table C – Year-on-year percentage change in passenger transportation (income at current prices)

|                    | Aug-12 | Sep-12 | Oct-12 | Nov-12 | Dec-12 | Jan-13 |
|--------------------|--------|--------|--------|--------|--------|--------|
| Passenger journeys | 8,3    | -0,9   | 4,8    | 0,3    | -3,5   | 10,7   |
| Passenger income   | 13,5   | 12,9   | 17,7   | 15,5   | 14,2   | 17,4   |

The number of passenger journeys increased by 10,7% in January 2013 compared with January 2012. The corresponding income increased by 17,4% over the same period.

Figure 2 – Passenger transportation: year-on-year percentage change in passenger journeys



PJ Lehohla Statistician-General

#### **Tables**

Table 1 – Freight transportation (income at current prices)

|                   |       | R                     | ail                   | Ro                    | oad                   | To                    | otal                  |
|-------------------|-------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| Year and month 1/ |       | Payload<br>(000 tons) | Income<br>(R million) | Payload<br>(000 tons) | Income<br>(R million) | Payload<br>(000 tons) | Income<br>(R million) |
| 2012              | Jan   | 16 809                | 2 226                 | 36 752                | 4 819                 | 53 561                | 7 045                 |
|                   | Feb   | 17 673                | 2 421                 | 39 821                | 5 306                 | 57 494                | 7 727                 |
|                   | Mar   | 17 699                | 2 369                 | 39 493                | 5 223                 | 57 192                | 7 592                 |
|                   | Apr   | 17 220                | 2 394                 | 37 536                | 5 039                 | 54 756                | 7 434                 |
|                   | May   | 15 570                | 2 169                 | 41 777                | 5 359                 | 57 347                | 7 528                 |
|                   | Jun   | 17 953                | 2 456                 | 41 481                | 5 428                 | 59 434                | 7 884                 |
|                   | Jul   | 18 390                | 2 572                 | 40 327                | 5 359                 | 58 718                | 7 931                 |
|                   | Aug   | 17 016                | 2 648                 | 41 811                | 5 604                 | 58 827                | 8 252                 |
|                   | Sep   | 18 874                | 2 867                 | 39 026                | 5 220                 | 57 900                | 8 087                 |
|                   | Oct   | 16 455                | 2 473                 | 41 884                | 5 738                 | 58 339                | 8 212                 |
|                   | Nov   | 18 615                | 2 660                 | 46 612                | 6 480                 | 65 227                | 9 140                 |
|                   | Dec   | 17 142                | 2 539                 | 37 533                | 5 196                 | 54 675                | 7 735                 |
|                   | Total | 209 416               | 29 794                | 484 053               | 64 771                | 693 470               | 94 567                |
| 2013              | Jan   | 17 288                | 2 518                 | 37 457                | 5 097                 | 54 745                | 7 615                 |

<sup>1/</sup> Latest month is preliminary.

Table 2 – Year-on-year percentage change in freight transportation (income at current prices)

| Vaaran         | d manufib | Ra      | ail    | Ro      | ad     | То      | tal    |
|----------------|-----------|---------|--------|---------|--------|---------|--------|
| Year and month |           | Payload | Income | Payload | Income | Payload | Income |
| 2012           | Jan       | 18,8    | 35,6   | 11,8    | 13,8   | 13,9    | 19,9   |
|                | Feb       | 4,5     | 3,3    | 11,2    | 16,4   | 9,1     | 11,9   |
|                | Mar       | 10,4    | 23,9   | -4,4    | 0,5    | -0,3    | 6,8    |
|                | Apr       | 4,6     | 11,2   | -2,3    | 0,0    | -0,2    | 3,4    |
|                | May       | -5,7    | -1,9   | 4,7     | 4,8    | 1,7     | 2,8    |
|                | Jun       | 37,5    | 32,6   | 1,5     | 2,8    | 10,2    | 10,5   |
|                | Jul       | 14,3    | 22,7   | -3,5    | 0,3    | 1,4     | 6,6    |
|                | Aug       | 2,9     | 15,4   | -3,0    | 0,4    | -1,3    | 4,7    |
|                | Sep       | 3,0     | 18,9   | -10,9   | -8,6   | -6,8    | -0,4   |
|                | Oct       | -9,2    | 3,3    | -2,6    | 1,9    | -4,6    | 2,3    |
|                | Nov       | 3,3     | 9,0    | 4,3     | 10,7   | 4,1     | 10,2   |
|                | Dec       | -1,1    | 10,4   | -0,2    | 1,4    | -0,5    | 4,2    |
|                | Total     | 6,0     | 14,4   | 0,2     | 3,3    | 1,9     | 6,6    |
| 2013           | Jan       | 2,8     | 13,1   | 1,9     | 5,8    | 2,2     | 8,1    |

Table 3 – Freight transportation income at current prices by type of commodity (R million)

| Type of commodity  | Aug-12 | Sep-12 | Oct-12 | Nov-12 | Dec-12 | Jan-13 1/ |
|--|--------|--------|--------|--------|--------|-----------|
| Agriculture and forestry primary products                              | 592    | 519    | 553    | 608    | 455    | 474       |
| Primary mining and quarrying products                                  | 2 714  | 2 897  | 2 578  | 2 816  | 2 602  | 2 568     |
| Manufactured food, beverages and tobacco products                      | 1 149  | 1 030  | 1 138  | 1 421  | 1 195  | 1 106     |
| Textiles, clothing and leather products                                | 80     | 77     | 83     | 148    | 121    | 112       |
| Chemicals, coke, petroleum, rubber, plastic and other mineral products | 621    | 620    | 678    | 729    | 625    | 625       |
| Basic metals and fabricated metal products                             | 446    | 466    | 445    | 460    | 352    | 420       |
| Non-metallic products  | 308    | 279    | 299    | 324    | 265    | 236       |
| Electrical machinery, transport machinery and equipment                | 223    | 209    | 230    | 252    | 184    | 179       |
| Motor vehicles, parts and accessories                                  | 204    | 207    | 259    | 264    | 198    | 204       |
| Paper and paper products   | 144    | 127    | 142    | 160    | 125    | 115       |
| Commercial products  | 227    | 206    | 267    | 285    | 201    | 187       |
| Used household and office products                                     | 66     | 61     | 66     | 74     | 78     | 79        |
| Containers   | 429    | 396    | 428    | 462    | 397    | 426       |
| Parcels  | 172    | 170    | 187    | 196    | 151    | 137       |
| Other freight  | 875    | 822    | 860    | 943    | 787    | 747       |
| Total  | 8 252  | 8 087  | 8 212  | 9 140  | 7 735  | 7 615     |

<sup>1/</sup> Preliminary.

Table 4 – Year-on-year percentage change in freight transportation income at current prices by type of commodity

| Type of commodity  | Aug-12 | Sep-12 | Oct-12 | Nov-12 | Dec-12 | Jan-13 |
|--|--------|--------|--------|--------|--------|--------|
| Agriculture and forestry primary products                              | -9,6   | -16,8  | -9,8   | -4,7   | -13,5  | -1,9   |
| Primary mining and quarrying products                                  | 8,9    | 10,4   | -0,1   | 8,4    | 11,9   | 9,5    |
| Manufactured food, beverages and tobacco products                      | 7,9    | -10,0  | 10,0   | 25,0   | -6,3   | 15,9   |
| Textiles, clothing and leather products                                | -19,2  | -23,8  | -21,0  | 27,6   | 24,7   | 31,8   |
| Chemicals, coke, petroleum, rubber, plastic and other mineral products | -1,1   | -0,2   | 7,3    | 5,3    | 3,8    | 0,3    |
| Basic metals and fabricated metal products                             | -2,0   | 8,1    | -2,6   | 1,1    | -11,6  | -5,4   |
| Non-metallic products  | 3,4    | -10,0  | -4,2   | -5,0   | -1,9   | -3,7   |
| Electrical machinery, transport machinery and equipment                | 16,8   | 4,5    | 0,9    | 18,3   | 6,4    | 20,9   |
| Motor vehicles, parts and accessories                                  | -1,9   | -5,5   | 17,7   | 17,9   | 0,5    | 6,3    |
| Paper and paper products   | 4,3    | -8,6   | -4,7   | 4,6    | -7,4   | -10,9  |
| Commercial products  | -8,8   | -17,3  | -0,4   | -0,3   | -9,0   | -7,9   |
| Used household and office products                                     | 15,8   | 17,3   | 3,1    | 10,4   | 1,3    | 31,7   |
| Containers   | 4,6    | -4,6   | 4,6    | 15,8   | 20,3   | 23,8   |
| Parcels  | 17,0   | 15,6   | 35,5   | 21,7   | 11,9   | 14,2   |
| Other freight  | 11,3   | -2,6   | 5,5    | 16,0   | 18,5   | 11,3   |
| Total  | 4,7    | -0,4   | 2,3    | 10,2   | 4,2    | 8,1    |

Table 5 – Contribution of each type of commodity to the year-on-year percentage change in freight transportation income at current prices (percentage points)

| · · · · · · · · · · · · · · · · · · ·                                  | <b>\</b> 1 | • .    | •      |        |        |        |
|--|------------|--------|--------|--------|--------|--------|
| Type of commodity  | Aug-12     | Sep-12 | Oct-12 | Nov-12 | Dec-12 | Jan-13 |
| Agriculture and forestry primary products                              | -0,8       | -1,3   | -0,7   | -0,4   | -1,0   | -0,1   |
| Primary mining and quarrying products                                  | 2,8        | 3,3    | 0,0    | 2,6    | 3,7    | 3,2    |
| Manufactured food, beverages and tobacco products                      | 1,1        | -1,4   | 1,3    | 3,4    | -1,1   | 2,2    |
| Textiles, clothing and leather products                                | -0,2       | -0,3   | -0,3   | 0,4    | 0,3    | 0,4    |
| Chemicals, coke, petroleum, rubber, plastic and other mineral products | -0,1       | 0,0    | 0,6    | 0,4    | 0,3    | 0,0    |
| Basic metals and fabricated metal products                             | -0,1       | 0,4    | -0,1   | 0,1    | -0,6   | -0,3   |
| Non-metallic products  | 0,1        | -0,4   | -0,2   | -0,2   | -0,1   | -0,1   |
| Electrical machinery, transport machinery and equipment                | 0,4        | 0,1    | 0,0    | 0,5    | 0,1    | 0,4    |
| Motor vehicles, parts and accessories                                  | -0,1       | -0,1   | 0,5    | 0,5    | 0,0    | 0,2    |
| Paper and paper products   | 0,1        | -0,1   | -0,1   | 0,1    | -0,1   | -0,2   |
| Commercial products  | -0,3       | -0,5   | 0,0    | 0,0    | -0,3   | -0,2   |
| Used household and office products                                     | 0,1        | 0,1    | 0,0    | 0,1    | 0,0    | 0,3    |
| Containers   | 0,2        | -0,2   | 0,2    | 0,8    | 0,9    | 1,2    |
| Parcels  | 0,3        | 0,3    | 0,6    | 0,4    | 0,2    | 0,2    |
| Other freight  | 1,1        | -0,3   | 0,6    | 1,6    | 1,7    | 1,1    |
| Total  | 4,7        | -0,4   | 2,3    | 10,2   | 4,2    | 8,1    |

Table 6 – Passenger transportation (income at current prices)

|        |             | Ra                          | il                    | Roa                         | ad                    | Tot                         | al                    |
|--------|-------------|-----------------------------|-----------------------|-----------------------------|-----------------------|-----------------------------|-----------------------|
| Year a | nd month 1/ | Passenger<br>journeys (000) | Income<br>(R million) | Passenger<br>journeys (000) | Income<br>(R million) | Passenger<br>journeys (000) | Income<br>(R million) |
| 2012   | Jan         | 37 269                      | 153                   | 23 907                      | 549                   | 61 176                      | 702                   |
|        | Feb         | 46 136                      | 166                   | 25 411                      | 541                   | 71 547                      | 707                   |
|        | Mar         | 49 324                      | 174                   | 27 564                      | 584                   | 76 888                      | 758                   |
|        | Apr         | 42 367                      | 182                   | 24 597                      | 593                   | 66 964                      | 775                   |
|        | May         | 47 835                      | 193                   | 27 737                      | 594                   | 75 572                      | 787                   |
|        | Jun         | 45 351                      | 184                   | 26 163                      | 583                   | 71 514                      | 767                   |
|        | Jul         | 44 891                      | 188                   | 26 075                      | 609                   | 70 966                      | 797                   |
|        | Aug         | 49 483                      | 201                   | 26 264                      | 590                   | 75 747                      | 791                   |
|        | Sep         | 47 658                      | 198                   | 27 641                      | 659                   | 75 299                      | 857                   |
|        | Oct         | 48 603                      | 211                   | 27 967                      | 633                   | 76 570                      | 844                   |
|        | Nov         | 47 821                      | 208                   | 26 830                      | 621                   | 74 651                      | 829                   |
|        | Dec         | 33 910                      | 169                   | 23 457                      | 641                   | 57 367                      | 810                   |
|        | Total       | 540 648                     | 2 227                 | 313 613                     | 7 197                 | 854 261                     | 9 424                 |
| 2013   | Jan         | 42 148                      | 204                   | 25 591                      | 620                   | 67 739                      | 824                   |

<sup>1/</sup> Latest month is preliminary.

Table 7 – Year-on-year percentage change in passenger transportation (income at current prices)

|                |       | Ra                 | il     | Roa                   | ad     | Tot                   | tal    |
|----------------|-------|--------------------|--------|-----------------------|--------|-----------------------|--------|
| Year and month |       | Passenger journeys | Income | Passenger<br>journeys | Income | Passenger<br>journeys | Income |
| 2012           | Jan   | 7,6                | 1,3    | 9,8                   | 13,0   | 8,4                   | 10,2   |
|                | Feb   | 13,5               | 15,3   | 0,4                   | 8,4    | 8,5                   | 10,0   |
|                | Mar   | 5,9                | 8,8    | -0,5                  | 0,3    | 3,5                   | 2,2    |
|                | Apr   | 6,3                | 24,7   | 11,2                  | 12,7   | 8,1                   | 15,3   |
|                | May   | 11,6               | 29,5   | 10,7                  | 11,4   | 11,2                  | 15,4   |
|                | Jun   | 0,8                | 16,5   | 3,2                   | 9,2    | 1,7                   | 10,8   |
|                | Jul   | 5,9                | 19,0   | 6,5                   | 12,4   | 6,1                   | 13,9   |
|                | Aug   | 11,0               | 24,1   | 3,6                   | 10,3   | 8,3                   | 13,5   |
|                | Sep   | -3,1               | 13,8   | 3,3                   | 12,6   | -0,9                  | 12,9   |
|                | Oct   | 0,3                | 22,0   | 13,7                  | 16,4   | 4,8                   | 17,7   |
|                | Nov   | -2,6               | 21,6   | 5,9                   | 13,5   | 0,3                   | 15,5   |
|                | Dec   | -8,3               | 11,9   | 4,4                   | 14,9   | -3,5                  | 14,2   |
|                | Total | 3,9                | 17,4   | 5,8                   | 11,2   | 4,6                   | 12,6   |
| 2013           | Jan   | 13,1               | 33,3   | 7,0                   | 12,9   | 10,7                  | 17,4   |

Statistics South Africa 8 P7162

#### Annexure A – Comparison between the old and new layouts

| Old layout   | New layout  |  |  |  |  |  |
|--|---|--|--|--|--|--|
| Summary tables, graphs and text:   |   |  |  |  |  |  |
| Table A (freight and passenger transportation)   | Table A (freight transportation)  |  |  |  |  |  |
| <ul> <li>Latest payload and income values (freight transportation)</li> <li>Latest number of passengers and income values (passenger transportation)</li> <li>Variety of growth rates (only the latest shown)</li> </ul> | <ul> <li>y/y % change</li> <li>Latest 6 months</li> <li>Note: For payload and income at current prices see new Table 1.</li> <li>Note: For passenger transportation see new Table C.</li> </ul> |  |  |  |  |  |
| Table B (freight transportation)  • Breakdown  | Table B (freight transportation)  • Breakdown   |  |  |  |  |  |
| <ul> <li>3-month totals (Rm)</li> <li>3m y/y % change and %-point contribution</li> </ul>  | <ul> <li>3-month totals (Rm)</li> <li>3m y/y % change and %-point contribution</li> </ul>   |  |  |  |  |  |
|  | Figure 1 (freight payload)  • y/y % change  |  |  |  |  |  |
| Table C (passenger transportation)   | Table C (passenger transportation)  |  |  |  |  |  |
| <ul><li>Breakdown</li><li>3-month totals (Rm)</li></ul>  | <ul><li>y/y % change</li><li>Latest 6 months</li></ul>  |  |  |  |  |  |
| 3m y/y % change and %-point contribution  Note: Old Table C discontinued.  | Note: For passenger journeys and income at current prices see new Table 6.  |  |  |  |  |  |
|  | Note: 'Passenger journeys' were previously (i.e. old layout) referred to as 'passengers'.   |  |  |  |  |  |
|  | Figure 2 (passenger journeys)   |  |  |  |  |  |
|  | y/y % change  |  |  |  |  |  |
| Detaile  | d tables:   |  |  |  |  |  |
| Table 1 (freight transportation)   | Table 1 (freight transportation)  |  |  |  |  |  |
| <ul><li>Payload</li><li>Income at current prices</li><li>Latest 36 months</li></ul>  | <ul> <li>Payload</li> <li>Income at current prices</li> <li>Latest 13 months</li> </ul>   |  |  |  |  |  |
| Table 2 (passenger transportation)   | Table 2 (freight transportation)  |  |  |  |  |  |
| <ul> <li>Number of passengers</li> <li>Income at current prices</li> <li>Latest 36 months</li> </ul>   | y/y % change in payload and income at current prices  |  |  |  |  |  |
| Note: See new Table 6.   | Note: New table.  |  |  |  |  |  |

Statistics South Africa 9 P7162

| Old layout  | New layout   |  |  |
|---|--|--|--|
| Table 3 (freight transportation)  Breakdown  Latest 24 months (Rm)  | Table 3 (freight transportation)  Breakdown  Latest 6 months (Rm)  |  |  |
| Table 4 (freight transportation)  Payload and income values for latest 3 months and cumulative (year-to-date), and corresponding payload and income values year ago y/y % change  Note: Latest 3-month annual % changes – see new Table B. Cumulative (year-to-date) annual % changes discontinued. | <ul> <li>Table 4 (freight transportation)</li> <li>Breakdown</li> <li>y/y % change for individual months</li> <li>Latest 6 months</li> </ul> Note: New table.            |  |  |
| Table 5 (passenger transportation)  Number of passengers and income values for latest 3 months and cumulative (year-to-date), and corresponding number of passengers and income values year ago y/y % change  Note: Latest 3-month and cumulative (year-to-date) annual % changes discontinued.     | <ul> <li>Table 5 (freight transportation)</li> <li>Breakdown</li> <li>%-point contribution to y/y % change</li> <li>Latest 6 months</li> <li>Note: New table.</li> </ul> |  |  |
|   | <ul> <li>Table 6 (passenger transportation)</li> <li>Passenger journeys</li> <li>Income at current prices</li> <li>Latest 13 months</li> </ul> Note: See old Table 2.    |  |  |
|   | Table 7 (passenger transportation)  y/y % change in passenger journeys and income at current prices  Note: New table.  |  |  |

#### **Survey information**

1

#### Introduction

- Statistics South Africa (Stats SA) conducts a monthly survey of the land transportation industry, covering passenger and freight transportation by rail and road (see paragraph 4 below). This survey is based on a sample drawn from the 2012 business sampling frame (BSF) that contains businesses registered for value added tax (VAT) and income tax.
- 2 In order to improve timeliness, some information for the latest month had to be estimated due to late response. These estimates will be revised in future statistical releases as soon as information becomes available. Published land transportation income estimates exclude VAT.

### Purpose of the survey

The results of the monthly land transport survey are used to compile estimates of the gross domestic product (GDP) and its components, which are used in monitoring the state of the economy and formulation of economic policy. These statistics are also used in the analysis of comparative business and industry performance.

### Scope of the survey

- This survey covers enterprises involved in land transportation according to the following type of transportation:
  - railway transport (including passenger and freight transportation);
  - other scheduled passenger land transport urban, suburban and inter-urban bus and coach passenger lines and school buses;
  - other non-scheduled passenger land transport safaris and sightseeing bus tours, metered taxis and other passenger transport including renting of motor cars with drivers; and
  - freight transport by road.

#### **Exclusions**

- 5 Passenger transportation excludes:
  - minibus taxis;
  - Gautrain;
  - metropolitan buses (including the Bus Rapid Transport system BRT); and
  - rental of private cars/buses without drivers.

#### Freight transportation excludes:

- · renting of trucks without drivers; and
- in-house transportation.

#### Classification

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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. Statistics in this publication are presented at SIC division (two-digit) level. Each enterprise is classified to the industry which reflects its predominant activity.

#### **Collection rate**

7 The preliminary collection rate for the survey on land transportation for January 2013 was 83,6%. The improved collection rate for December 2012 was 89,4%.

#### Statistical unit

The statistical unit for which information is compiled and published is an enterprise, defined as a legal unit or a combination of legal units that includes and directly controls all functions necessary to carry out its income activities. The statistical units are derived from and linked to the South African Revenue Service (SARS) administrative data.

#### **Revised figures**

Revised figures are mainly due to late submission of data to Stats SA, or respondents reporting revisions or corrections to their figures. Preliminary figures, as indicated in the relevant tables, are subject to change and when revised will not be indicated as such.

### Related publications

- 10 Users may also wish to refer to the following publications available from Stats SA -
  - · Bulletin of Statistics issued quarterly; and
  - SA Statistics issued annually.

### Rounding-off of figures

Where figures have been rounded off, discrepancies may occur between sums of the component items and the totals.

#### Historical data

Historical land transport data are available on the Stats SA webpage. To access the data electronically, use the following link: http://www.statssa.gov.za/timeseriesdata/timeseriesdata.asp

#### Past publications

Past land transport releases are available on the Stats SA webpage. To access the releases electronically, use the following link: http://www.statssa.gov.za/publications/statspastfuture.asp?PPN=P7162&SCH=

#### **Technical notes**

#### Survey methodology and design

- The survey is conducted on a monthly basis. Questionnaires are sent to a sample of about 700 enterprises from a population of about 4 000 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 on non-respondents.
- A stratified random sample was drawn at the SIC four-digit level in April 2012 from Stats SA's business sampling frame (BSF). Strata were formed using a combination of Standard Industrial Classification and the measure of size classes for enterprises (see paragraph 3 below).

The Neyman optimal allocation formula given below was used to allocate samples to each stratum.

$$n_{h={}^{N_hS_h}\!/_{\sum N_hS_h}}$$

 $N_h$  and  $S_h$  are the stratum population size and the stratum variance respectively. Neyman allocation formula not only allocates sample sizes to each stratum but also calculates the relative precision for each stratum as well as the relative precision for all strata. The relative precision for these strata did not exceed 0,8%.

### Sample design and class limits

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The land transportation industry is divided into four size groups. All large enterprises (size group one) are completely enumerated. Simple random sampling is applied to medium sized (size group two) and to small (size group three and four) enterprises. The total value of income of the large enterprises (size group one) is added to the weighted totals of size groups two, three and four to reflect the total value of income.

#### Measure of size classes (Rand)

| Enterprise size | Size group | Lower limits | Upper limits |
|-----------------|------------|--------------|--------------|
| Very small      | 4          | 0            | 9 000 000    |
| Small           | 3          | 9 000 001    | 39 000 000   |
| Medium          | 2          | 39 000 001   | 78 000 000   |
| Large           | 1          | 78 000 001   |              |

### Sample weighting

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 division estimates. These procedures are in line with international best practice.

### Reliability of estimates

- 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 land transport industry in South Africa. Estimates are subject to sampling and non-sampling errors.
- 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.

## Year-on-year percentage change

7 The year-on-year percentage change in a variable for any given period is the change between that period and the corresponding period of the previous year, expressed as a percentage of the latter.

## Contribution (percentage points)

8 The contribution (percentage points) to the annual percentage change for any given period is calculated by multiplying the percentage change of each type of commodity/service by its corresponding weight, divided by 100. The weight is the percentage contribution of each type of commodity/service to total income in the corresponding period of the previous year.

#### **Glossary**

#### **Enterprise**

An enterprise is a legal entity or a combination of legal units that includes and directly controls all functions necessary to carry out its sales activities.

#### Industry

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

### Symbols and abbreviations

BSF Business sampling frame GDP Gross domestic product

ISIC International Standard Industrial Classification

SIC Standard Industrial Classification of all Economic Activities

SARS South African Revenue Service

Stats SA Statistics South Africa VAT Value added tax

#### **Technical enquiries**

**Ho Chun Cheung** Telephone number: (012) 310 6360

Email: hochunc@statssa.gov.za

**Keshnee Govender** Telephone number: (012) 310 8423

Email: keshneeg@statssa.gov.za

#### **General information**

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

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#### Advanced release calendar

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

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Stats SA also provides a subscription service.

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

#### **General enquiries**

User information services Telephone number: (012) 310 8600

Email address: info@statssa.gov.za

Orders/subscription services Telephone number: (012) 310 8358

Email address: magdaj@statssa.gov.za

Postal address Private Bag X44, Pretoria, 0001

Produced by Stats SA