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# Statistical release

**P0142.7**

## Export and Import Unit Value Indices

**November 2015**

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## Key findings for November 2015

### Exports

The UVI for exported commodities shows an annual rate of change of -1,8% in November 2015. From October 2015 to November 2015 the UVI for exported commodities increased by 0,4%.

The main contributors to the annual rate of -1,8% were ores and minerals (-12,8% year-on-year and contributing -2,3 percentage points) and other transportable goods<sup>1</sup> (-4,0% year-on-year and contributing -0,8 of a percentage point) (see Figure 4.2).

The main contributors to the monthly increase of 0,4% were metal products, machinery and equipment (0,7% month-on-month and contributing 0,3 of a percentage point) and agriculture (3,3% month-on-month and contributing 0,2 of a percentage point) (see Figure 4.1).

### Imports

The UVI for imported commodities shows an annual rate of change of -3,8% in November 2015. From October 2015 to November 2015 the UVI for imported commodities increased by 0,2%.

The main contributors to the annual rate of -3,8% were crude petroleum (-35,8% year-on-year and contributing -6,4 percentage points) and other transportable goods<sup>1</sup> (-4,5% year-on-year and contributing -1,2 percentage points) (see Figure 5.2).

The main contributor to the monthly increase of 0,2 % was metal products, machinery and equipment (0,6% month-on-month and contributing 0,3 of a percentage point) (see Figure 5.1).

### Note

The XMUVIs will be reweighted with effect from the January 2016 statistical release, to be published on 31 March 2016. Some methodological changes will also be implemented. A detailed note is available on the Stats SA website [http://www.statssa.gov.za/?page\\_id=2528](http://www.statssa.gov.za/?page_id=2528)

<sup>1</sup> Refers to the category "Other transportable goods, except metal products, machinery and equipment" in Tables 1 and 2 (which also excludes the preceding categories in the tables, namely agriculture, ores and minerals and beverages in the case of exports; and crude petroleum, food products and clothing and footwear in the case of imports).

## Key figures and analytical series

**Table A - Key figures**

Product	Weight	Index (2012=100)			Percentage change	
		Nov 2014	Oct 2015	Nov 2015	Nov 2015 vs. Oct 2015	Nov 2015 vs. Nov 2014
Exports	100,00	118,1	115,5	116,0	0,4	-1,8
Imports	100,00	129,0	123,8	124,1	0,2	-3,8

**Table B - Analytical series**

Product	Weight	Index (2012=100)			Percentage change	
		Nov 2014	Oct 2015	Nov 2015	Nov 2015 vs. Oct 2015	Nov 2015 vs. Nov 2014
Exports excluding gold	93,51	119,6	118,2	118,7	0,4	-0,8
Exports excluding ores and minerals	78,56	123,2	122,8	124,0	1,0	0,6
Exports excluding basic metals	75,36	118,0	118,2	118,1	-0,1	0,1
Imports excluding crude petroleum	80,90	130,6	133,7	134,5	0,6	3,0

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

## Main index numbers and rates of change (%)

Table C - Exports

Base: 2012=100

Year and type	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Average	
2013	Index	103,0	105,1	108,5	110,6	109,6	111,3	111,4	113,9	113,9	114,2	113,3	114,3	110,8
	Rate m/m	2,4	2,0	3,2	1,9	-0,9	1,6	0,1	2,2	0,0	0,3	-0,8	0,9	..
	Rate y/y	1,8	4,7	7,3	10,8	9,4	10,6	10,5	15,2	16,0	16,1	13,5	13,6	10,8
2014	Index	115,4	116,4	118,4	117,8	116,6	116,2	116,8	118,7	118,6	120,0	118,1	116,4	117,5
	Rate m/m	1,0	0,9	1,7	-0,5	-1,0	-0,3	0,5	1,6	-0,1	1,2	-1,6	-1,4	..
	Rate y/y	12,0	10,8	9,1	6,5	6,4	4,4	4,8	4,2	4,1	5,1	4,2	1,8	6,0
2015	Index	116,1	116,0	113,1	110,9	110,2	110,8	112,1	113,2	114,9	115,5	116,0	..	..
	Rate m/m	-0,3	-0,1	-2,5	-1,9	-0,6	0,5	1,2	1,0	1,5	0,5	0,4	..	..
	Rate y/y	0,6	-0,3	-4,5	-5,9	-5,5	-4,6	-4,0	-4,6	-3,1	-3,8	-1,8	..	..

Table D - Imports

Base: 2012=100

Year and type	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Average	
2013	Index	105,2	106,9	108,2	108,9	108,8	109,2	110,7	113,4	115,9	119,1	123,5	125,7	113,0
	Rate m/m	1,2	1,6	1,2	0,6	-0,1	0,4	1,4	2,4	2,2	2,8	3,7	1,8	..
	Rate y/y	6,4	8,1	9,6	10,3	10,1	10,3	11,5	13,4	15,3	17,8	21,1	20,9	13,0
2014	Index	127,3	128,9	130,6	131,6	132,5	132,7	132,0	130,7	130,4	130,0	129,0	127,9	130,3
	Rate m/m	1,3	1,3	1,3	0,8	0,7	0,2	-0,5	-1,0	-0,2	-0,3	-0,8	-0,9	..
	Rate y/y	21,0	20,6	20,7	20,8	21,8	21,5	19,2	15,3	12,5	9,2	4,5	1,8	15,3
2015	Index	126,2	123,8	121,7	120,9	120,4	120,7	121,8	122,4	122,7	123,8	124,1	..	..
	Rate m/m	-1,3	-1,9	-1,7	-0,7	-0,4	0,2	0,9	0,5	0,2	0,9	0,2	..	..
	Rate y/y	-0,9	-4,0	-6,8	-8,1	-9,1	-9,0	-7,7	-6,4	-5,9	-4,8	-3,8	..	..

Figure 1 - Export and import unit value indices

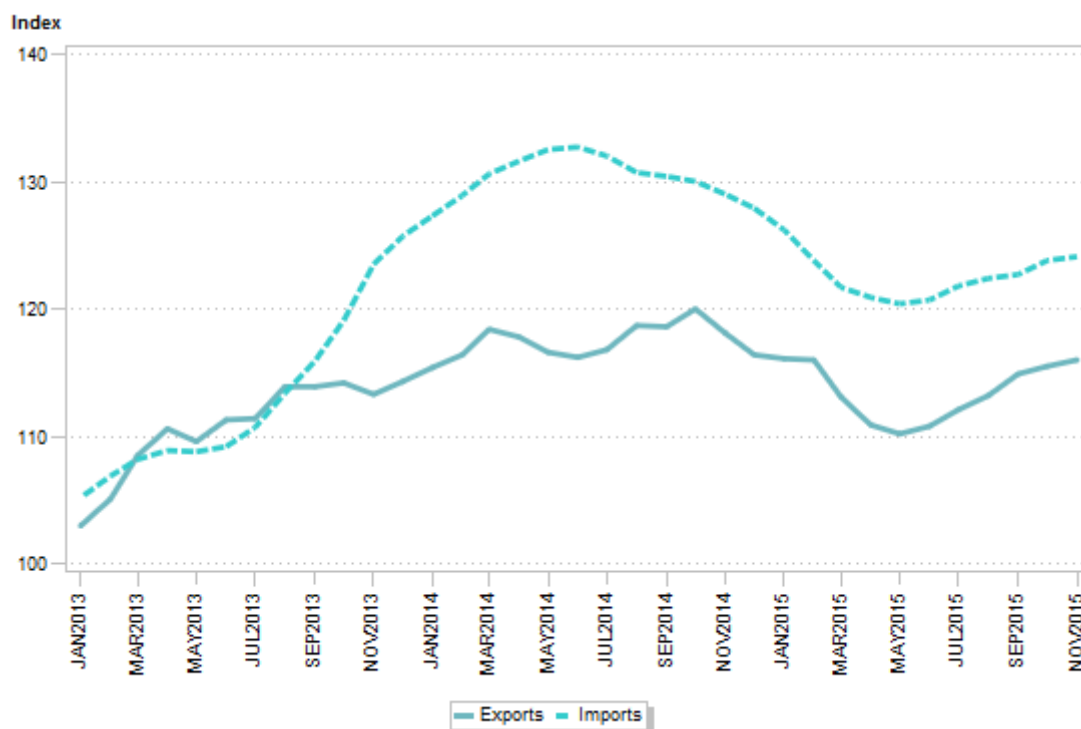


Figure 2 - Export UVI rates of change (%)

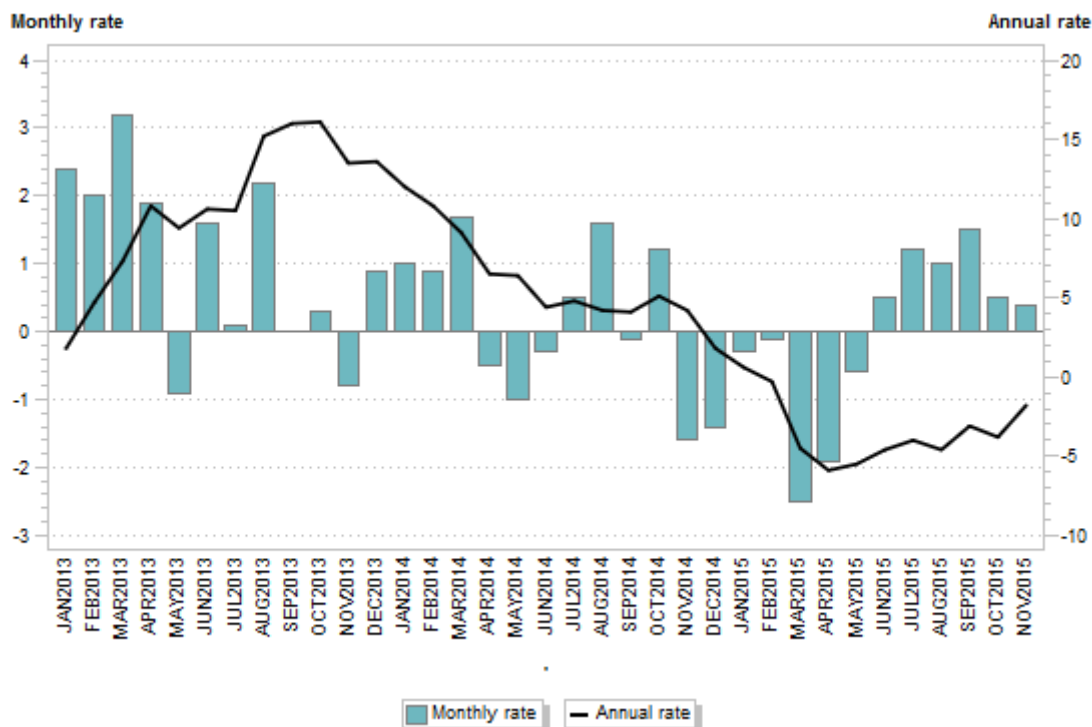
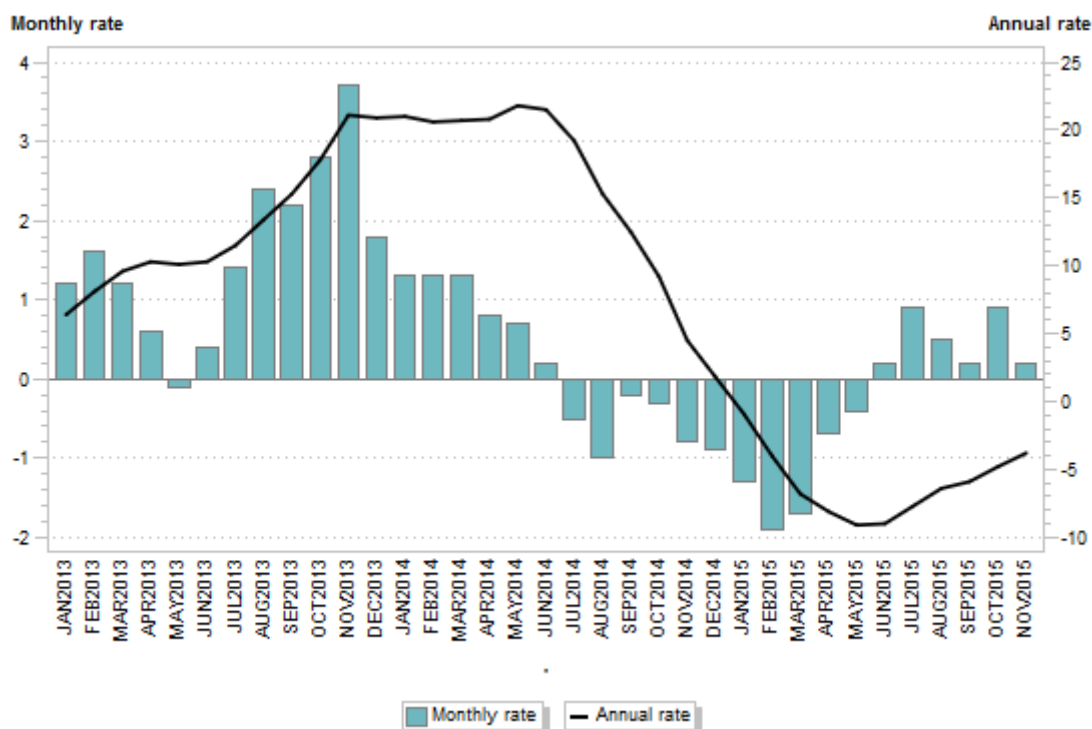


Figure 3 - Import UVI rates of change (%)

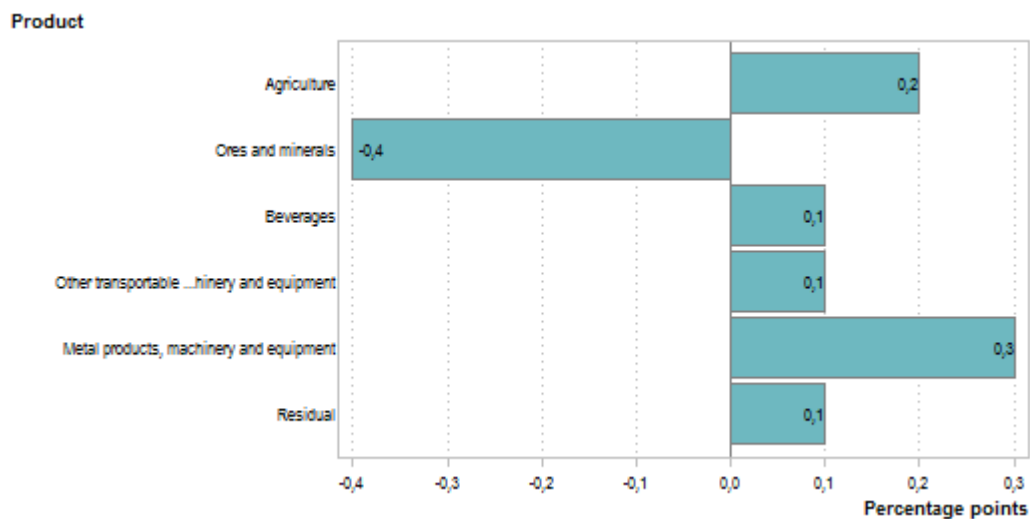


## Detailed index numbers and rates of change, and contributions

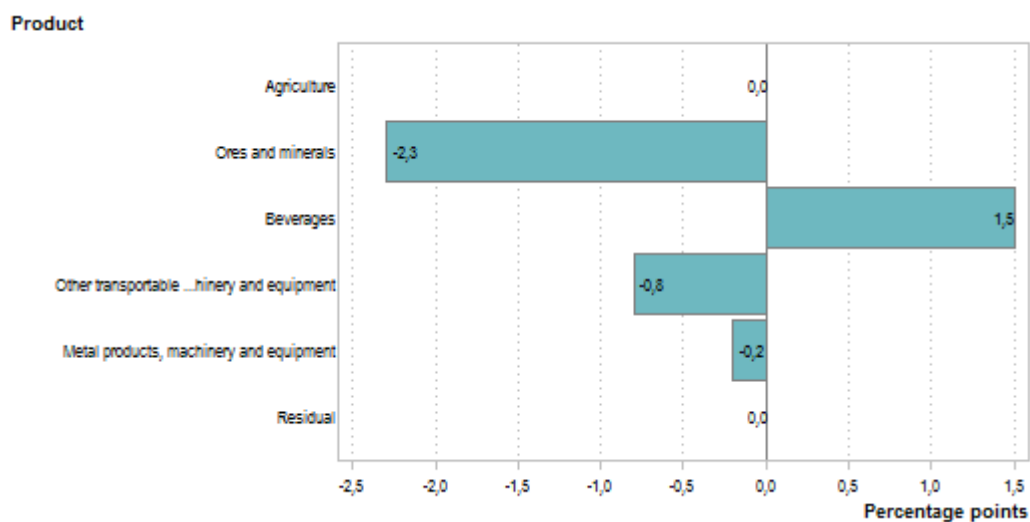
Table 1 - Exports

Product	Weight	Index (2012=100)			Percentage change	
		Nov 2014	Oct 2015	Nov 2015	Nov 2015 vs. Oct 2015	Nov 2015 vs. Nov 2014
<b>All items</b>	100,00	118,1	115,5	116,0	0,4	-1,8
<b>Agriculture</b>	5,26	155,4	150,3	155,2	3,3	-0,1
<b>Ores and minerals</b>	21,44	100,7	89,9	87,8	-2,3	-12,8
<b>Coal</b>	6,06	96,1	91,6	90,5	-1,2	-5,8
<b>Metal ores</b>	13,40	100,1	88,7	88,3	-0,5	-11,8
<b>Iron ores and concentrates</b>	7,97	96,4	82,4	82,9	0,6	-14,0
<b>Non-ferrous metal ores and concentrates</b>	5,43	106,3	98,2	96,4	-1,8	-9,3
<b>Other minerals</b>	1,98	127,5	97,2	80,4	-17,3	-36,9
<b>Beverages</b>	7,45	136,4	158,2	160,3	1,3	17,5
<b>Other transportable goods, except metal products, machinery and equipment</b>	19,43	122,5	116,9	117,6	0,6	-4,0
<b>Coke oven and refined petroleum products</b>	5,38	124,4	114,9	114,9	0,0	-7,6
<b>Basic chemicals</b>	6,32	122,7	110,6	109,4	-1,1	-10,8
<b>Other chemical products</b>	3,71	127,9	132,1	137,1	3,8	7,2
<b>Rubber and plastic products</b>	1,71	121,4	139,4	141,6	1,6	16,6
<b>Waste and scrap</b>	2,31	115,3	107,8	107,9	0,1	-6,4
<b>Metal products, machinery and equipment</b>	46,42	118,2	117,0	117,8	0,7	-0,3
<b>Basic metals</b>	24,64	117,5	106,2	108,6	2,3	-7,6
<b>Basic iron and steel</b>	5,15	115,3	123,0	127,3	3,5	10,4
<b>Products of iron or steel</b>	2,63	113,8	101,6	100,4	-1,2	-11,8
<b>Basic precious metals and metals clad with precious metals</b>	14,00	114,9	98,2	98,9	0,7	-13,9
<b>Other semi-finished metal products</b>	2,86	141,9	125,0	135,2	8,2	-4,7
<b>Fabricated metal products</b>	1,78	114,0	124,7	121,5	-2,6	6,6
<b>General purpose machinery</b>	4,48	115,0	120,2	122,9	2,2	6,9
<b>Special-purpose machinery</b>	2,31	129,7	125,7	127,5	1,4	-1,7
<b>Transport equipment</b>	10,17	113,2	114,3	113,7	-0,5	0,4
<b>Motor vehicles</b>	9,35	111,7	110,7	110,7	0,0	-0,9
<b>Parts and accessories for motor vehicles and their engines</b>	0,82	127,9	152,9	144,9	-5,2	13,3
<b>Other machinery and equipment</b>	3,04	140,9	194,4	186,7	-4,0	32,5

**Figure 4.1 - Contributions to the monthly percentage change in exports**



**Figure 4.2 - Contributions to the annual percentage change in exports**

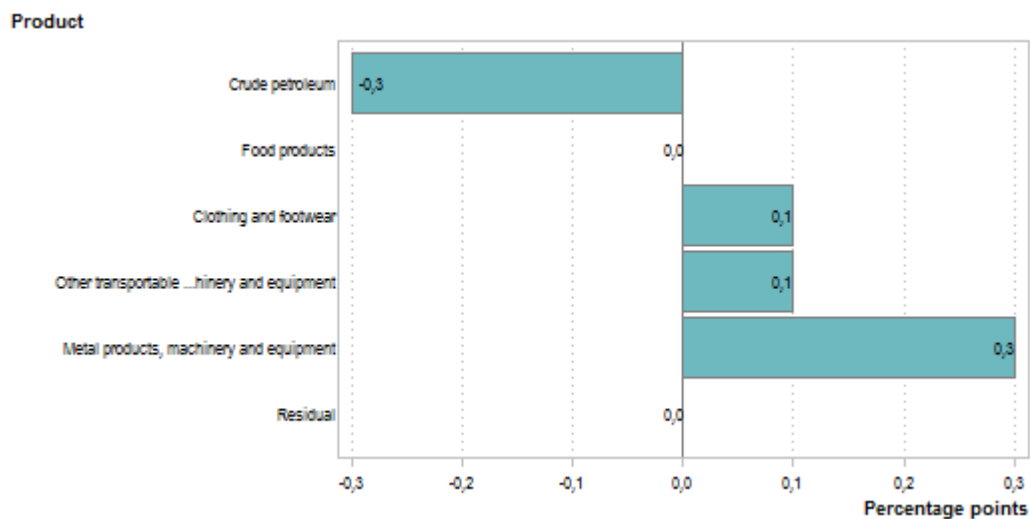




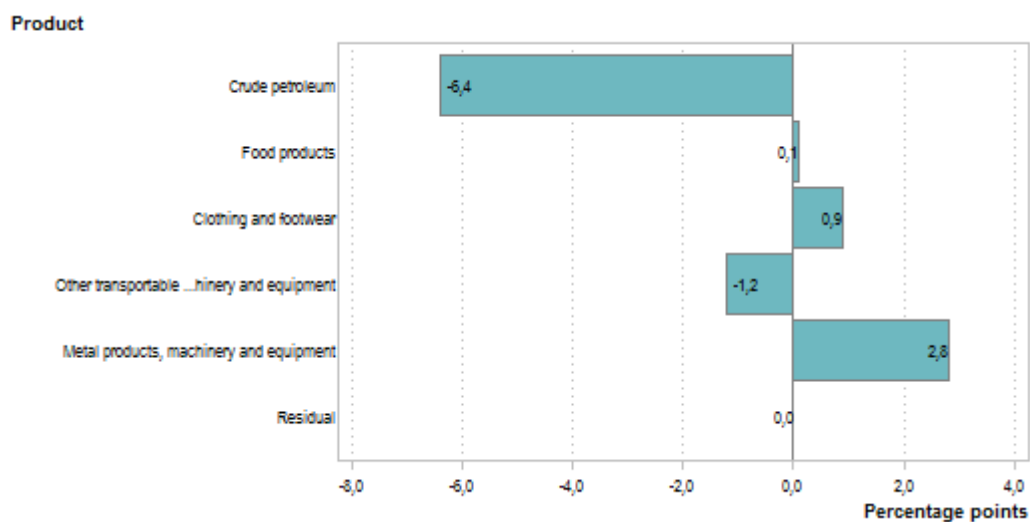
**Table 2 - Imports**

Product	Weight	Index (2012=100)			Percentage change	
		Nov 2014	Oct 2015	Nov 2015	Nov 2015 vs. Oct 2015	Nov 2015 vs. Nov 2014
All items	100,00	129,0	123,8	124,1	0,2	-3,8
Crude petroleum	19,10	121,0	79,8	77,7	-2,6	-35,8
Food products	6,93	106,4	108,0	107,9	-0,1	1,4
Fats and oils	3,46	98,3	97,8	96,2	-1,6	-2,1
Grain mill products	3,47	116,6	120,4	121,9	1,2	4,5
Clothing and footwear	4,47	117,4	139,2	142,2	2,2	21,1
Clothing	2,73	117,4	143,8	144,6	0,6	23,2
Footwear	1,74	117,5	131,7	138,4	5,1	17,8
Other transportable goods, except metal products, machinery and equipment	26,27	136,4	129,7	130,3	0,5	-4,5
Paper and paperboard	1,78	136,7	142,2	145,5	2,3	6,4
Coke oven and refined petroleum products	7,13	193,5	159,6	154,7	-3,1	-20,1
Basic chemicals	5,70	124,3	130,9	131,8	0,7	6,0
Pharmaceutical and other chemical products	6,34	118,9	122,0	123,9	1,6	4,2
Pharmaceutical products	3,48	115,6	122,6	125,6	2,4	8,7
Other chemical products	2,86	124,0	122,3	122,7	0,3	-1,0
Rubber and plastic products	3,20	117,7	122,0	123,0	0,8	4,5
Other transportable goods	2,12	90,8	83,2	95,2	14,4	4,8
Metal products, machinery and equipment	43,23	132,7	140,1	141,0	0,6	6,3
Basic metals	3,65	123,3	110,7	111,3	0,5	-9,7
Fabricated metal products, except machinery and equipment	1,96	139,4	154,3	153,9	-0,3	10,4
General purpose machinery	5,87	125,3	133,7	133,5	-0,1	6,5
Special purpose machinery	5,99	118,6	127,4	127,0	-0,3	7,1
Machinery for mining, quarrying and construction, and parts thereof	2,81	112,1	133,4	130,7	-2,0	16,6
Agricultural or forestry machinery and parts thereof	0,96	142,0	142,6	143,5	0,6	1,1
Other machinery and parts thereof	2,22	119,2	117,2	118,9	1,5	-0,3
Office, accounting and computing machinery	3,89	123,8	136,0	137,6	1,2	11,1
Electrical machinery and apparatus	4,28	128,6	143,6	146,8	2,2	14,2
Radio, television and communication equipment and apparatus	5,55	182,3	181,1	184,7	2,0	1,3
Medical appliances, precision and optical instruments, watches and clocks	2,83	124,8	136,5	137,3	0,6	10,0
Transport equipment	9,21	129,2	140,0	140,1	0,1	8,4
Vehicles	6,56	124,8	137,7	139,7	1,5	11,9
Bodies and parts of vehicles	1,68	132,6	128,8	131,5	2,1	-0,8
Other transport equipment	0,97	151,0	173,3	156,5	-9,7	3,6

**Figure 5.1 - Contributions to the monthly percentage change in imports**



**Figure 5.2 - Contributions to the annual percentage change in imports**



## Explanatory notes

<b>Purpose and results</b>	The unit value index provides information on the trends in import and export unit values that are weighted with quantities of the current reference period. The calculation of unit value indices of commodities in exports and imports covers transactions reported by the South African Revenue Service. The results are used to compile export and import unit value indices, which are a measure of changes in export prices of locally produced commodities and changes in prices of imported commodities. Further information can be found in the XMUVI sources and methods document which can be accessed on this website: <a href="http://beta2.statssa.gov.za/?page_id=735&amp;id=3">http://beta2.statssa.gov.za/?page_id=735&amp;id=3</a> .
<b>Source</b>	South African Revenue Service (SARS).
<b>Gold</b>	The export unit value index for gold is calculated from net gold values and quantities obtained from the South African Reserve Bank (SARB) quarterly.  The index changes quarterly and is published in this publication with a one quarter lag (e.g. the September 2013 gold value and quantity will only be included in the December 2013 publication).

## Glossary

<b>Chain linking</b>	The construction of a continuous price series by multiplying together price indices that have been using different weights for different periods. The resulting index is referred to as a chained index (Practical Guide to producing Consumer Price Indices; 2009). Linking is intended to ensure that the individual indices on all levels show the correct development through time, but leads to non-additivity (IMF, 2005).
<b>Contributions</b>	The contribution (percentage points) of a sub-index to the percentage change in the total index for a given period is calculated by multiplying the difference (i.e. change) in the sub-index by its weight and then dividing by the previous period's total index. In the case of annual percentage changes, the contributions are approximations owing to annual changes in weights.
<b>Percentage change</b>	The percentage change in an index for any given period is the change between that period's index value and the previous period's index value expressed as a percentage of the latter.

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