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Freight transportation: results for December 2017

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

	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17
Freight payload	9,3	7,7	4,8	11,4	8,0	4,6
Freight income	13,8	9,5	9,9	14,2	11,9	4,7

The volume of goods transported (payload) increased by 9,3% in 2017 compared with 2016. The corresponding income increased by 12,3% over the same period – see Table 2.

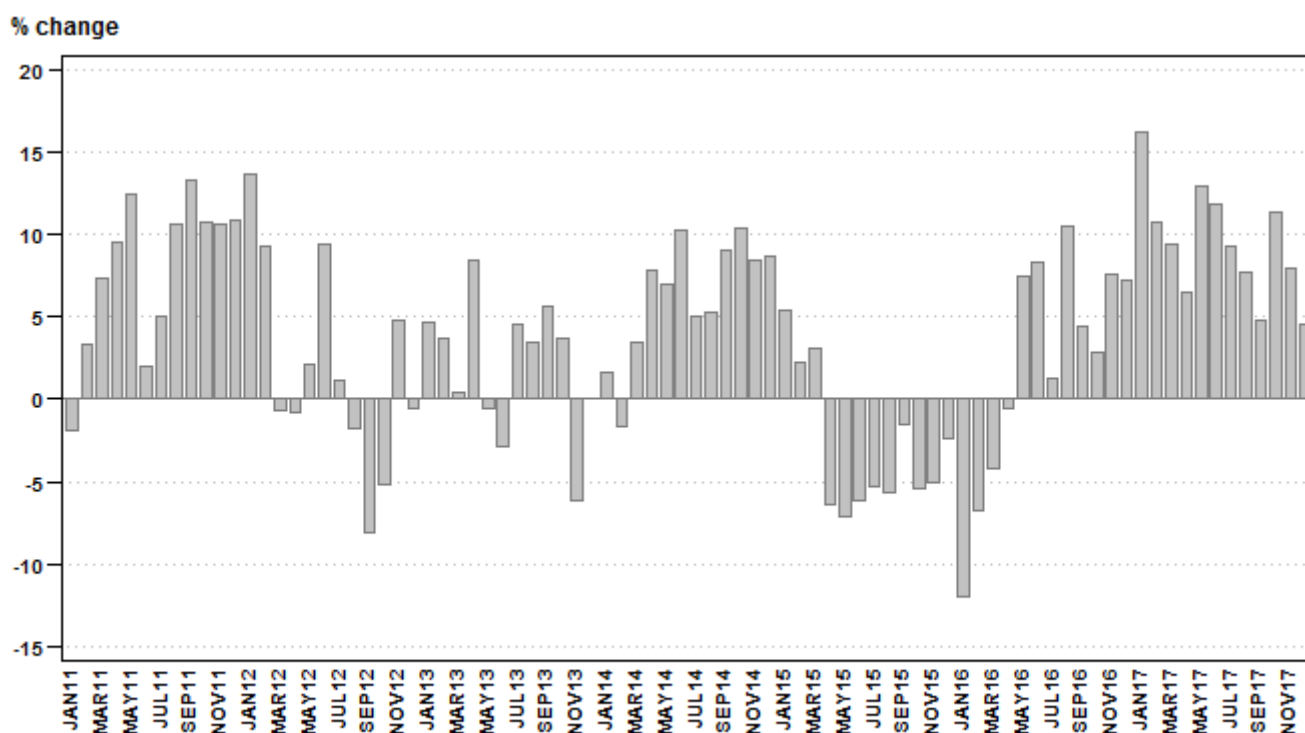
In December 2017 the volume of goods transported (payload) increased by 4,6% year-on-year. The corresponding income increased by 4,7% over the same period.

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

Type of commodity	Oct – Dec 2016 (R million)	Weight	Oct – Dec 2017 (R million)	% change between Oct – Dec 2016 and Oct – Dec 2017	Contribution (% points) to the total % change
Agriculture and forestry primary products	2 663	7,4	3 022	13,5	1,0
Primary mining and quarrying products	12 715	35,2	14 084	10,8	3,8
Manufactured food, beverages and tobacco products	5 291	14,7	6 139	16,0	2,4
Textiles, clothing and leather goods	660	1,8	644	-2,4	0,0
Chemicals, coke, petroleum, rubber, plastic and other mineral products	2 944	8,2	3 539	20,2	1,7
Basic metals and fabricated metal products	1 308	3,6	1 510	15,4	0,6
Non-metallic products	832	2,3	843	1,3	0,0
Electrical machinery, transport machinery and equipment	546	1,5	542	-0,7	0,0
Motor vehicles, parts and accessories	550	1,5	713	29,6	0,4
Paper and paper products	539	1,5	584	8,3	0,1
Commercial products	652	1,8	713	9,4	0,2
Used household and office products	1 032	2,9	821	-20,4	-0,6
Containers	1 701	4,7	1 752	3,0	0,1
Parcels	632	1,8	771	22,0	0,4
Other freight	4 040	11,2	4 148	2,7	0,3
Total income	36 104	100,0	39 829	10,3	10,3

Income from freight transportation increased by 10,3% in the fourth quarter of 2017 compared with the fourth quarter of 2016. The main contributors to this increase were:

- primary mining and quarrying products (10,8% and contributing 3,8 percentage points);
- manufactured food, beverages and tobacco products (16,0% and contributing 2,4 percentage points);
- chemicals, coke, petroleum, rubber, plastic and other mineral products (20,2% and contributing 1,7 percentage points); and
- agriculture and forestry primary products (13,5% and contributing 1,0 percentage point) – see Table B.

Figure 1 – Freight transportation: year-on-year percentage change in payload**Table C – Seasonally adjusted payload for the latest three months by type of transport**

Payload	Jul – Sep 2017 (000 tons)	Weight	Oct – Dec 2017 (000 tons)	% change between Jul – Sep 2017 and Oct – Dec 2017	Contribution (% points) to the total % change
Rail	56 897	24,8	57 088	0,3	0,1
Road	172 448	75,2	175 524	1,8	1,3
Total	229 345	100,0	232 611	1,4	1,4

Seasonally adjusted payload increased by 1,4% in the fourth quarter of 2017 compared with the previous quarter. Road freight increased by 1,8% (contributing 1,3 percentage points) while rail freight increased by 0,3% (contributing 0,1 of a percentage point) – see Table C.

Passenger transportation: results for December 2017

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

	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17
Passenger journeys	-12,1	-4,2	-14,7	-10,7	-11,7	-7,2
Passenger income	1,1	0,0	-6,9	1,1	-0,6	-1,1

The number of passenger journeys decreased by 8,8% in 2017 compared with 2016. The corresponding income decreased by 0,5% over the same period – see Table 9. In December 2017 the number of passenger journeys decreased by 7,2% year-on-year. The corresponding income decreased by 1,1% over the same period.

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

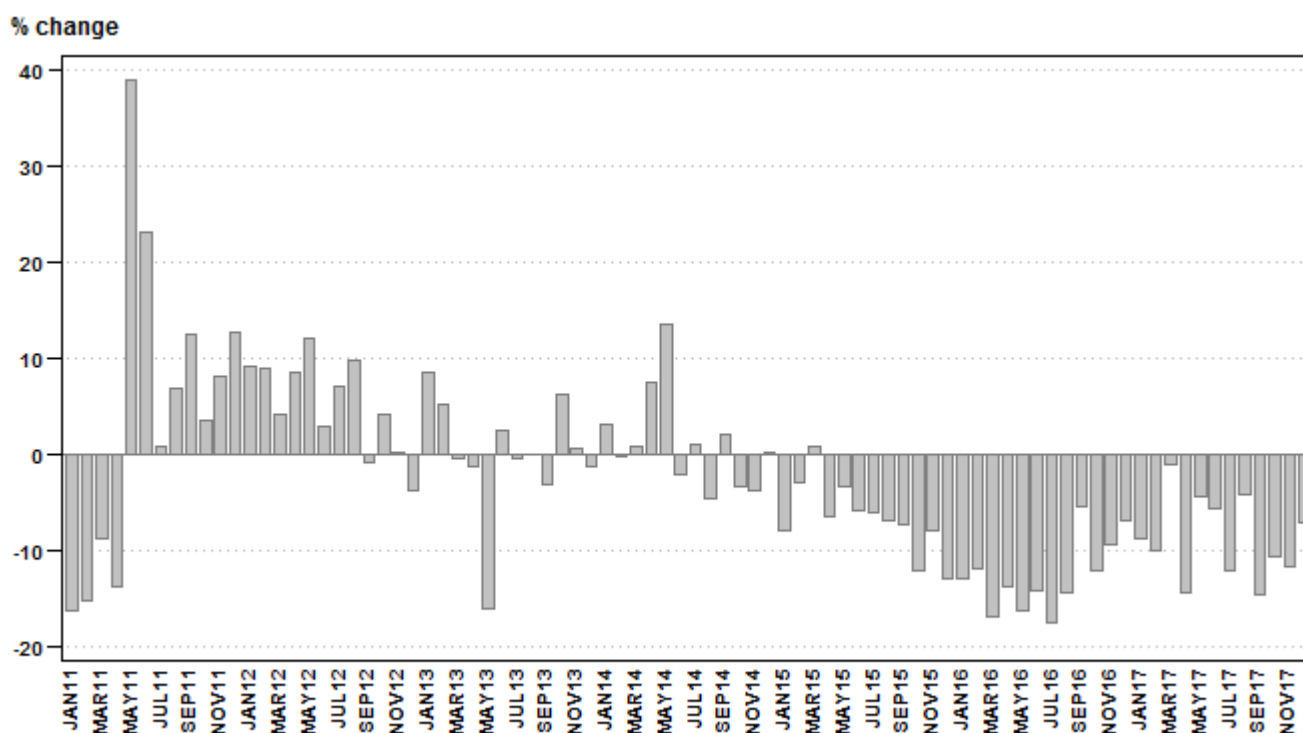


Table E – Seasonally adjusted passenger journeys for the latest three months by type of transport

Passenger journeys	Jul – Sep 2017 (000)	Weight	Oct – Dec 2017 (000)	% change between Jul – Sep 2017 and Oct – Dec 2017	Contribution (% points) to the total % change
Rail	73 742	47,4	70 547	-4,3	-2,0
Road	81 962	52,6	85 686	4,5	2,3
Total	155 704	100,0	156 232	0,3	0,3

Seasonally adjusted passenger journeys increased by 0,3% in the fourth quarter of 2017 compared with the previous quarter. Road passenger journeys increased by 4,5% (contributing 2,3 percentage points) while rail passenger journeys decreased by 4,3% (contributing -2,0 percentage points) – see Table E.

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Statistician-General

Tables

Table 1 – Freight transportation (income at current prices)

Year and month 1/		Rail		Road		Total	
		Payload (000 tons)	Income (R million)	Payload (000 tons)	Income (R million)	Payload (000 tons)	Income (R million)
2016	Jan	16 623	2 709	42 680	6 726	59 303	9 435
	Feb	18 399	3 111	44 344	7 024	62 743	10 135
	Mar	17 918	2 987	48 037	7 466	65 955	10 453
	Apr	18 071	3 130	48 668	7 744	66 739	10 874
	May	17 289	3 080	51 586	8 121	68 875	11 201
	Jun	18 876	3 293	53 962	8 511	72 838	11 804
	Jul	15 041	2 639	54 585	8 737	69 626	11 376
	Aug	19 877	3 418	55 126	8 752	75 003	12 170
	Sep	19 929	3 361	56 177	8 819	76 106	12 180
	Oct	17 462	3 190	55 106	8 692	72 568	11 882
	Nov	20 333	3 502	56 740	9 001	77 073	12 503
	Dec	19 599	3 415	50 132	8 304	69 731	11 719
	Total	219 417	37 835	617 143	97 897	836 560	135 732
2017	Jan	18 377	3 252	50 504	8 051	68 881	11 303
	Feb	19 715	3 476	49 760	7 975	69 475	11 451
	Mar	18 112	3 173	54 029	8 591	72 141	11 764
	Apr	19 274	3 498	51 834	8 313	71 109	11 810
	May	18 200	3 343	59 538	9 485	77 739	12 828
	Jun	19 636	3 739	61 896	10 018	81 532	13 757
	Jul	17 552	3 326	58 550	9 616	76 102	12 942
	Aug	20 655	3 799	60 125	9 529	80 779	13 328
	Sep	20 107	3 811	59 634	9 576	79 741	13 386
	Oct	19 172	3 606	61 637	9 963	80 809	13 569
	Nov	19 827	3 705	63 419	10 292	83 246	13 996
	Dec	19 216	3 535	53 734	8 728	72 950	12 264
	Total	229 843	42 263	684 660	110 137	914 504	152 398

1/ Figures for latest month are preliminary.

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

Year and month		Rail		Road		Total	
		Payload	Income	Payload	Income	Payload	Income
2016	Jan	-17,5	-14,7	-9,7	-6,8	-12,0	-9,2
	Feb	-5,6	-2,3	-7,1	-5,7	-6,7	-4,6
	Mar	-6,4	-1,9	-3,3	-2,1	-4,2	-2,1
	Apr	-4,8	0,2	1,2	4,2	-0,5	3,0
	May	5,8	9,0	8,1	6,0	7,5	6,8
	Jun	0,3	0,8	11,4	10,7	8,3	7,8
	Jul	-17,0	-14,8	7,9	10,5	1,3	3,4
	Aug	8,1	10,1	11,4	14,7	10,5	13,4
	Sep	1,1	0,1	5,6	9,8	4,4	6,9
	Oct	6,5	9,9	1,7	4,7	2,8	6,0
	Nov	3,7	8,8	9,0	9,9	7,6	9,6
	Dec	6,7	16,2	7,4	12,0	7,2	13,2
	Total	-1,8	1,6	3,7	5,8	2,2	4,6
2017	Jan	10,6	20,0	18,3	19,7	16,2	19,8
	Feb	7,2	11,7	12,2	13,5	10,7	13,0
	Mar	1,1	6,2	12,5	15,1	9,4	12,5
	Apr	6,7	11,8	6,5	7,3	6,5	8,6
	May	5,3	8,5	15,4	16,8	12,9	14,5
	Jun	4,0	13,5	14,7	17,7	11,9	16,5
	Jul	16,7	26,0	7,3	10,1	9,3	13,8
	Aug	3,9	11,1	9,1	8,9	7,7	9,5
	Sep	0,9	13,4	6,2	8,6	4,8	9,9
	Oct	9,8	13,0	11,9	14,6	11,4	14,2
	Nov	-2,5	5,8	11,8	14,3	8,0	11,9
	Dec	-2,0	3,5	7,2	5,1	4,6	4,7
	Total	4,8	11,7	10,9	12,5	9,3	12,3

Table 3 – Seasonally adjusted freight transportation (income at current prices)

Year and month		Rail		Road		Total	
		Payload (000 tons)	Income (R million)	Payload (000 tons)	Income (R million)	Payload (000 tons)	Income (R million)
2016	Jan	17 047	2 855	47 280	7 568	64 327	10 423
	Feb	18 218	3 091	47 731	7 563	65 948	10 654
	Mar	18 515	3 065	48 988	7 871	67 503	10 936
	Apr	18 194	3 195	49 251	7 731	67 445	10 926
	May	19 238	3 260	51 098	8 025	70 336	11 285
	Jun	18 535	3 186	52 833	8 283	71 369	11 469
	Jul	15 195	2 655	52 993	8 439	68 188	11 093
	Aug	19 353	3 255	52 801	8 458	72 154	11 713
	Sep	18 830	3 132	52 849	8 409	71 678	11 541
	Oct	17 386	3 308	53 728	8 421	71 114	11 729
	Nov	19 342	3 346	52 285	8 177	71 627	11 523
	Dec	19 532	3 497	54 029	8 737	73 562	12 233
2017	Jan	18 893	3 327	55 804	9 065	74 697	12 392
	Feb	19 516	3 452	53 640	8 611	73 156	12 063
	Mar	18 712	3 443	52 904	8 556	71 616	11 999
	Apr	19 404	3 470	55 785	8 982	75 189	12 451
	May	19 979	3 528	58 475	9 253	78 454	12 781
	Jun	19 329	3 585	59 403	9 600	78 732	13 185
	Jul	17 803	3 358	57 953	9 412	75 757	12 771
	Aug	20 068	3 601	57 239	9 166	77 306	12 767
	Sep	19 026	3 624	57 256	9 262	76 282	12 886
	Oct	19 186	3 632	58 279	9 449	77 465	13 081
	Nov	18 809	3 610	58 958	9 416	77 767	13 026
	Dec	19 093	3 655	58 287	9 291	77 379	12 946

Table 4 – Month-on-month percentage change in seasonally adjusted freight transportation (income at current prices)

Year and month		Rail		Road		Total	
		Payload	Income	Payload	Income	Payload	Income
2016	Jan	-7,3	-4,3	-5,1	-2,6	-5,7	-3,1
	Feb	6,9	8,3	1,0	-0,1	2,5	2,2
	Mar	1,6	-0,8	2,6	4,1	2,4	2,6
	Apr	-1,7	4,2	0,5	-1,8	-0,1	-0,1
	May	5,7	2,0	3,8	3,8	4,3	3,3
	Jun	-3,7	-2,3	3,4	3,2	1,5	1,6
	Jul	-18,0	-16,7	0,3	1,9	-4,5	-3,3
	Aug	27,4	22,6	-0,4	0,2	5,8	5,6
	Sep	-2,7	-3,8	0,1	-0,6	-0,7	-1,5
	Oct	-7,7	5,6	1,7	0,1	-0,8	1,6
	Nov	11,3	1,1	-2,7	-2,9	0,7	-1,8
	Dec	1,0	4,5	3,3	6,8	2,7	6,2
2017	Jan	-3,3	-4,9	3,3	3,8	1,5	1,3
	Feb	3,3	3,8	-3,9	-5,0	-2,1	-2,7
	Mar	-4,1	-0,3	-1,4	-0,6	-2,1	-0,5
	Apr	3,7	0,8	5,4	5,0	5,0	3,8
	May	3,0	1,7	4,8	3,0	4,3	2,7
	Jun	-3,3	1,6	1,6	3,8	0,4	3,2
	Jul	-7,9	-6,3	-2,4	-2,0	-3,8	-3,1
	Aug	12,7	7,2	-1,2	-2,6	2,0	0,0
	Sep	-5,2	0,6	0,0	1,0	-1,3	0,9
	Oct	0,8	0,2	1,8	2,0	1,6	1,5
	Nov	-2,0	-0,6	1,2	-0,3	0,4	-0,4
	Dec	1,5	1,2	-1,1	-1,3	-0,5	-0,6

Table 5 – Freight transportation income at current prices by type of commodity (R million)

Type of commodity	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17 1/
Agriculture and forestry primary products	1 134	1 111	1 025	1 010	1 080	932
Primary mining and quarrying products	4 347	4 737	4 808	4 783	4 926	4 375
Manufactured food, beverages and tobacco products	2 076	2 031	2 032	2 142	2 133	1 864
Textiles, clothing and leather products	240	236	260	220	216	208
Chemicals, coke, petroleum, rubber, plastic and other mineral products	1 106	1 158	1 138	1 205	1 239	1 095
Basic metals and fabricated metal products	462	455	496	500	551	459
Non-metallic products	272	273	284	284	298	261
Electrical machinery, transport machinery and equipment	174	176	179	180	209	153
Motor vehicles, parts and accessories	231	212	231	236	263	214
Paper and paper products	172	178	174	200	214	170
Commercial products	214	225	216	245	260	208
Used household and office products	286	248	252	267	273	281
Containers	564	599	615	612	605	535
Parcels	264	245	239	249	264	258
Other freight	1 401	1 444	1 436	1 436	1 462	1 250
Total	12 942	13 328	13 386	13 569	13 996	12 264

1/ Figures are preliminary.

Table 6 – Year-on-year percentage change in freight transportation income at current prices by type of commodity

Type of commodity	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17
Agriculture and forestry primary products	26,6	19,1	11,8	11,5	19,1	9,6
Primary mining and quarrying products	14,8	9,9	9,3	13,7	10,1	8,5
Manufactured food, beverages and tobacco products	33,6	19,5	23,6	33,1	26,1	-6,3
Textiles, clothing and leather products	29,7	21,6	14,0	10,6	-1,4	-14,0
Chemicals, coke, petroleum, rubber, plastic and other mineral products	3,4	10,7	10,9	23,7	21,7	15,0
Basic metals and fabricated metal products	1,5	-4,2	14,0	19,3	22,2	4,8
Non-metallic products	-3,2	1,1	2,5	3,6	2,1	-1,9
Electrical machinery, transport machinery and equipment	-0,6	2,3	-0,6	-4,3	3,5	-1,9
Motor vehicles, parts and accessories	22,9	9,8	27,6	21,0	39,2	28,9
Paper and paper products	0,0	5,3	1,2	14,3	4,4	6,9
Commercial products	12,6	18,4	0,9	12,4	7,0	8,9
Used household and office products	-12,8	-20,5	-15,2	-22,6	-19,0	-19,7
Containers	-2,8	8,1	-3,0	4,4	2,2	2,3
Parcels	4,3	-19,9	-2,0	18,0	15,8	33,7
Other freight	10,8	7,3	7,8	4,5	0,5	3,2
Total	13,8	9,5	9,9	14,2	11,9	4,7

Table 7 – Contribution of each type of commodity to the year-on-year percentage change in freight transportation income at current prices (percentage points)

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

Table 8 – Passenger transportation (income at current prices)

Year and month 1/		Rail		Road		Total	
		Passenger journeys (000)	Income (R million)	Passenger journeys (000)	Income (R million)	Passenger journeys (000)	Income (R million)
2016	Jan	30 526	238	24 279	748	54 805	986
	Feb	36 528	266	27 684	757	64 212	1 023
	Mar	34 250	254	30 277	869	64 527	1 123
	Apr	32 940	238	24 268	743	57 208	981
	May	32 372	233	25 940	770	58 312	1 003
	Jun	32 741	216	25 308	790	58 049	1 006
	Jul	31 792	247	23 609	768	55 401	1 015
	Aug	33 550	251	24 835	769	58 385	1 020
	Sep	38 024	275	27 144	836	65 168	1 111
	Oct	35 802	269	24 304	771	60 106	1 040
	Nov	34 700	254	25 225	782	59 925	1 036
	Dec	23 592	198	22 313	801	45 905	999
	Total	396 817	2 939	305 186	9 404	702 003	12 343
2017	Jan	26 679	247	23 292	770	49 971	1 017
	Feb	32 111	247	25 655	771	57 766	1 018
	Mar	33 902	258	29 988	887	63 890	1 145
	Apr	26 661	223	22 376	715	49 037	938
	May	28 781	226	26 946	786	55 727	1 012
	Jun	27 928	205	26 871	796	54 799	1 001
	Jul	24 043	226	24 666	800	48 709	1 026
	Aug	26 269	221	29 639	799	55 908	1 020
	Sep	26 448	244	29 109	790	55 557	1 034
	Oct	25 052	238	28 595	813	53 647	1 051
	Nov	24 424	228	28 479	802	52 903	1 030
	Dec	16 620	164	25 997	824	42 617	988
	Total	318 918	2 727	321 613	9 553	640 531	12 280

1/ Figures for latest month are preliminary.

Table 9 – Year-on-year percentage change in passenger transportation (income at current prices)

Year and month		Rail		Road		Total	
		Passenger journeys	Income	Passenger journeys	Income	Passenger journeys	Income
2016	Jan	-17,7	-0,4	-6,4	1,1	-13,0	0,7
	Feb	-16,8	0,0	-4,2	4,6	-11,8	3,3
	Mar	-24,4	-9,3	-6,6	4,7	-17,0	1,2
	Apr	-17,5	-3,6	-8,1	5,5	-13,8	3,2
	May	-22,0	-6,0	-7,5	3,4	-16,2	1,0
	Jun	-16,9	-4,0	-10,5	1,9	-14,2	0,6
	Jul	-21,1	-9,9	-12,4	-1,5	-17,6	-3,7
	Aug	-15,3	0,8	-13,0	-0,3	-14,3	0,0
	Sep	-4,9	2,2	-6,4	2,2	-5,5	2,2
	Oct	-14,9	-3,9	-7,9	-0,9	-12,2	-1,7
	Nov	-10,3	-1,6	-8,1	2,8	-9,4	1,7
	Dec	-14,3	-4,3	2,5	0,5	-6,9	-0,5
	Total	-16,5	-3,4	-7,5	2,0	-12,8	0,6
2017	Jan	-12,6	3,8	-4,1	2,9	-8,8	3,1
	Feb	-12,1	-7,1	-7,3	1,8	-10,0	-0,5
	Mar	-1,0	1,6	-1,0	2,1	-1,0	2,0
	Apr	-19,1	-6,3	-7,8	-3,8	-14,3	-4,4
	May	-11,1	-3,0	3,9	2,1	-4,4	0,9
	Jun	-14,7	-5,1	6,2	0,8	-5,6	-0,5
	Jul	-24,4	-8,5	4,5	4,2	-12,1	1,1
	Aug	-21,7	-12,0	19,3	3,9	-4,2	0,0
	Sep	-30,4	-11,3	7,2	-5,5	-14,7	-6,9
	Oct	-30,0	-11,5	17,7	5,4	-10,7	1,1
	Nov	-29,6	-10,2	12,9	2,6	-11,7	-0,6
	Dec	-29,6	-17,2	16,5	2,9	-7,2	-1,1
	Total	-19,6	-7,2	5,4	1,6	-8,8	-0,5

Table 10 – Seasonally adjusted passenger transportation (income at current prices)

Year and month		Rail		Road		Total	
		Passenger journeys (000)	Income (R million)	Passenger journeys (000)	Income (R million)	Passenger journeys (000)	Income (R million)
2016	Jan	34 472	242	26 280	773	60 752	1 015
	Feb	32 999	244	27 304	790	60 303	1 034
	Mar	31 335	240	26 704	794	58 038	1 034
	Apr	32 768	243	26 441	781	59 209	1 025
	May	32 344	242	25 388	786	57 732	1 028
	Jun	32 411	241	24 967	788	57 378	1 029
	Jul	32 303	245	24 405	765	56 708	1 010
	Aug	33 175	251	23 566	776	56 741	1 027
	Sep	34 253	248	25 178	806	59 431	1 054
	Oct	33 541	248	24 366	766	57 906	1 013
	Nov	33 120	246	24 645	791	57 765	1 037
	Dec	31 680	239	26 213	790	57 893	1 029
2017	Jan	31 360	252	25 103	797	56 462	1 048
	Feb	30 440	238	25 042	801	55 482	1 039
	Mar	29 564	239	26 137	807	55 701	1 045
	Apr	28 736	235	24 721	759	53 457	994
	May	28 781	235	26 587	801	55 369	1 036
	Jun	26 730	225	26 230	793	52 960	1 018
	Jul	25 952	226	26 183	799	52 135	1 025
	Aug	24 181	220	27 924	805	52 105	1 024
	Sep	23 609	222	27 855	762	51 464	983
	Oct	22 368	214	27 850	809	50 218	1 023
	Nov	22 363	216	28 022	810	50 385	1 025
	Dec	25 816	211	29 814	811	55 629	1 022

Table 11 – Month-on-month percentage change in seasonally adjusted passenger transportation (income at current prices)

Year and month		Rail		Road		Total	
		Passenger journeys	Income	Passenger journeys	Income	Passenger journeys	Income
2016	Jan	-4,8	-3,2	4,7	-2,0	-0,9	-2,3
	Feb	-4,3	0,8	3,9	2,2	-0,7	1,9
	Mar	-5,0	-1,6	-2,2	0,5	-3,8	0,0
	Apr	4,6	1,3	-1,0	-1,6	2,0	-0,9
	May	-1,3	-0,4	-4,0	0,6	-2,5	0,3
	Jun	0,2	-0,4	-1,7	0,3	-0,6	0,1
	Jul	-0,3	1,7	-2,3	-2,9	-1,2	-1,8
	Aug	2,7	2,4	-3,4	1,4	0,1	1,7
	Sep	3,2	-1,2	6,8	3,9	4,7	2,6
	Oct	-2,1	0,0	-3,2	-5,0	-2,6	-3,9
	Nov	-1,3	-0,8	1,1	3,3	-0,2	2,4
	Dec	-4,3	-2,8	6,4	-0,1	0,2	-0,8
2017	Jan	-1,0	5,4	-4,2	0,9	-2,5	1,8
	Feb	-2,9	-5,6	-0,2	0,5	-1,7	-0,9
	Mar	-2,9	0,4	4,4	0,7	0,4	0,6
	Apr	-2,8	-1,7	-5,4	-5,9	-4,0	-4,9
	May	0,2	0,0	7,5	5,5	3,6	4,2
	Jun	-7,1	-4,3	-1,3	-1,0	-4,4	-1,7
	Jul	-2,9	0,4	-0,2	0,8	-1,6	0,7
	Aug	-6,8	-2,7	6,6	0,8	-0,1	-0,1
	Sep	-2,4	0,9	-0,2	-5,3	-1,2	-4,0
	Oct	-5,3	-3,6	0,0	6,2	-2,4	4,1
	Nov	0,0	0,9	0,6	0,1	0,3	0,2
	Dec	15,4	-2,3	6,4	0,1	10,4	-0,3

Survey information

Introduction	1	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 2017 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	3	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	4	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; • 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	6	The 1993 edition of the <i>Standard Industrial Classification of all Economic Activities</i> (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 <i>International Standard Industrial Classification of all Economic Activities</i> (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 December 2017 was 84,5%. The improved collection rate for November 2017 was 87,5%.
Statistical unit	8	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	9	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 publication available from Stats SA -
- *Stats in Brief* issued annually.
- Rounding-off of figures** 11 Where figures have been rounded off, discrepancies may occur between sums of the component items and the totals.
- Historical data** 12 Historical land transport data are available on the Stats SA website. To access the data electronically, use the following link:
[Click to download historical data](#)
- Past publications** 13 Past land transport releases are available on the Stats SA website. To access the releases electronically, use the following link:
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Technical notes

- Survey methodology and design** 1 The survey is conducted on a monthly basis. Questionnaires are sent to a sample of 702 enterprises from a population of 4 245 enterprises. Completed questionnaires are required to be returned to Stats SA within 10 days after the end of the reference month. Fax and telephone reminders are used to follow up on non-respondents.
- 2 A stratified random sample was drawn at the SIC four-digit level in April 2017 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:

$$n_h = n * (N_h * S_h) / [\sum (N_i * S_i)].$$

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 was 0,8%.

- Sample design and class limits** 3 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	1 054 150	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** 4 For those strata not completely enumerated, the weights to produce estimates are the inverse ratio of the sampling fraction, modified to take account of non-response in the survey. Stratum estimates are calculated and then aggregated with the completely enumerated stratum to form division estimates. These procedures are in line with international best practice.

- Reliability of estimates** 5 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.

	6	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.
Seasonal adjustment	9	Seasonally adjusted estimates are generated each month using the X-12-ARIMA Seasonal Adjustment Program developed by the US Bureau of the Census. Seasonal adjustment is a means of removing the estimated effects of normal seasonal variation from the series so that the effects of other influences on the series can be recognised more clearly. Seasonal adjustment does not aim to remove irregular or non-seasonal influences which may be present in any particular month. Influences that are volatile or unsystematic can still make it difficult to interpret the movement of the series even after adjustment for seasonal variations. Therefore the month-to-month movements of seasonally adjusted estimates may not be reliable indicators of trend behaviour. The X-12-ARIMA procedure for land transportation is described in more detail on the Stats SA website at: Click to download seasonal adjustment land transport August 2017
Trend cycle	10	The trend is the long-term pattern or movement of a time series. The X-12-ARIMA Seasonal Adjustment Program is used for smoothing seasonally adjusted estimates to estimates of the underlying trend cycle.

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

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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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