



STATE JOINT STOCK COMPANY  
**LATVIJAS DZELZCEĻŠ**  
LATVIAN RAILWAY

**BASIC PERFORMANCE INDICATORS**

**2008**



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# **BASIC PERFORMANCE INDICATORS**

# 2008

2009  
Economics Unit  
Marketing Communication Unit

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# 1. Personal

No		1985	1990	1995	2000	2005 <sup>**</sup>	2007 <sup>**</sup>	2008 <sup>***</sup>
1	Basic activities total <i>including the following ones:</i>	28951	23737	20254	15319	12702	11852	13520
2	Operations*	20455	16747	16275	3533	•	•	•
3	Heavy Repairs	1344	976	678	-	-	-	-
4	Construction	61	33	-	-	-	-	-
5	Laoding & Unloading	725	569	233	-	-	-	-
6	Infrastructure	-	-	-	6223	5223	•	•
7	Other	6366	5412	3068	5563	•	•	•

\* - Staff accounting criteria have been changed since 1997;  
In 2000 are separated the Infrastructure, Rolling Stock Department  
Information & Computing Centre, Supply Department and Museum

\*\* - In 2005, 2006 and 2007 – without JSC “Pasažieru vilciens”, JSC “VRC Zasulauks”,  
JSC “Starptautiskie pasažieru pārvadājumi”, “LDz apsardze” LTD

\*\*\* - In 2008 – in LDz concern

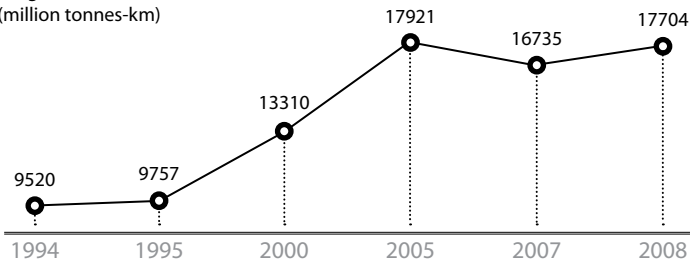
## 2. Passenger service

No		1985	1990	1995	2000	2005	2007	2008
1	Total passenger km (million)	5214	5366	1256	715	894*	983*	951*
2	<i>including</i> suburban traffic	3285	3327	779	568	800	889	865
3	Total passengers (thousand)	147779	144500	42296	18188	25947*	27430*	26767*
4	<i>including</i> suburban traffic	130005	129012	39096	17502	25569	27042	26401
	Average passenger journey (km)							
5	<i>including</i> suburban traffic	25,0	26,0	20,6	22,6	24,5	24,7	24,5
6	domestic traffic	•	•	126,0	71,7	79,7	94,1	95,9
7	Total passengers departed from stations (thousand)	133275	134128	41742	17687	25738	27142	•

\* - JSC "Pasažieru vilciens" (national traffic)  
and JSC "Starptautiskie pasažieru pārvadājumi" (international traffic)

### 3. Freight shipments

Freight turnover  
(million tonnes-km)

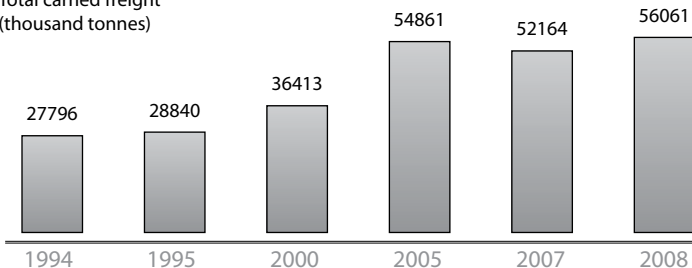


No		1994	1995	2000	2005*	2007	2008
1	Freight turnover (million tonnes-km)	9520	9757	13310	17921	16735	17704
2	Total carried freight (thousand tonnes)	27796	28840	36413	54861	52164	56061
3	<i>including:</i> Domestic traffic	3389	3545	1753	2633	2000	1687
4	International traffic	24407	25295	34660	52228	50164	54374
5	<i>including:</i> Export	923	984	1936	1049	997	1410
6	Import	3206	2854	4000	4875	5058	4487
7	Transit	20278	21457	28724	46304	44109	48477
8	<i>including through Latvian ports</i>	16931	17925	25925	40600	39076	43871

\* - The calculation methods of domestic and international (export and import) traffic volume have been changed since 2001

## 4. Freight shipments by type of freight

Total carried freight  
(thousand tonnes)



No		1994	1995	2000	2005	2007	2008
1	Total carried freight (thousand tonnes)	27796	28840	36413	54861	52164	56061
2	<i>including:</i> Oil and oil products	12124	11508	17693	21236	19342	19492
3	Ferrous metals	3066	3425	3989	1879	2640	2637
4	Fertilizers	4238	5202	6950	7037	5629	5196
5	Timber	834	1312	1054	1665	1681	919
6	Grain	354	366	324	693	949	1220
7	Coal	1006	896	583	15592	14724	18565
8	Sugar	.	.	559	322	330	251
9	Other	6174	6131	5261	6437	6869	7781

## 5. Basic indicators of train traffic

No		1985	1990	1995	2000	2005	2007	2008
1	Train-kilometres of passenger trains (thousand)	14120	14920	11932	9306	7609*	7449*	7518*
2	<i>including</i> Diesel traction trains (thousand)	7903	9016	7498	5033	3464	3492	3412
3	Electric traction trains (thousand)	6217	5904	4434	4273	4145	3957	4106
4	Train-kilometres of freight trains (thousand)	14911	14162	6938	8873	11281	10339	10857
5	Gross hauled tonne-kilometres of freight trains (million)	37160	35076	18131	24387	32599	30070	31880
6	Wagon-kilometres of freight trains (thousand)	696964	651475	333210	431504	597460	547432	578879

\* - JSC "Pasažieru vilciens" (national traffic)  
and JSC "Starptautiskie pasažieru pārvadājumi" (international traffic)



## 6. Railway network

### 6.1 Lines

No		1985	1990	1995	2000	2005	2007	2008
1	Total length of lines (route-km)	2383,5	2397,3	2412,7	2331	2269,8	2265,0	2263,3
2	Main line (route-km)	2350,3	2364,1	2379,5	2298	2236,4	2231,6	2229,9
3	<i>including:</i> Double-track sections (route-km)	271,6	302,9	304,0	301,7	302,8	302,8	302,8
4	Main line track (km)	2675,0	2702,3	2703,6	2613,9	2569,2	2567,0	2565,3
5	Sidings and depots tracks (km)	1269,3	1277,2	1207,4	1064,8	896,4	830,8	835,3
6	Welded rails (track-km)	1156,3	1471,0	1570,4	1638,4	1810,3	1838,9	1871,4
7	Main line with concrete sleepers (track-km)	1206,9	1554,1	1626,5	1678,1	1833,0	1854,0	1933,9
8	Main line with hardened rails (track-km)	574,2	933,0	983,2	1074,3	1247,0	1275,0	1335,1
9	Operational length of lines with narrow gauge (route-km)	33,2	33,2	33,2	33	33,4	33,4	33,4
10	Spur tracks (km)	•	•	•	186,7	221,5	188,4	165,9

## 6. Railway network

### 6.2 Facilities of signalling, remote control, telecommunication, power supply and data processing (1)

No		1985	1990	1995	2000	2005	2007	2008
1	Total turnouts (number)	4458	4469	4275	3790	3512	3113	3294
2	Electrically interlocked turnouts (number)	2570	2896	2863	2710	2637	2580	2546
3	Stations equipped with electrical interlocking (number)	176	178	168	166	163	163	163
4	Automatic block system including CTC (route-km)	1107,3	1106,4	1081,2	1046,1	1063,7	1063,7	1063,7
5	Radio communication (route-km)	2558,4	2357,4	2312,6	1989,6	1917,3	1870,2	1870,2
6	Long distance shielded cable (km)	386,4	951,1	1199,8	1840,6	3190,9*	3165,5	3233,7
7	Length of optical communication cable (km)	-	-	-	561,7	786,5	850,0	1049,0
8	Total telephone customer numbers	8215	9837	9046	7527	7499	7470	7424
9	Hot box detection devices PONAB/DISK (number/stations)	15/-	44/25	59/28	60/30	60/29	60/29	60/29
10	Mobile electric power stations (number)	5	4	6	10	12	12	12

\* - In 2004 the accounting system has been changed

## 6. Railway network

### 6.2 Facilities of signalling, remote control, telecommunication, power supply and data processing (2)

No		1985	1990	1995	2000	2005	2007	2008
11	Stationary diesel power stations (number)*	120	115	108	105	121	119	119
12	Catenary (track-km)	620,4	694,5	690,7	653,0	650,1	649,2	647,9
13	Electrified lines (route-km)	247,6	270,7	270,7	257,9	257,4	257,4	257,4
14	Transformer substations (number)	1474	1610	863	692	598	599	611
15	Electric power consumption for operations & maintenance (million kWh/year)	142,6	147,0	114,8	85,3	52,4**	44,9	38,1
16	Servers (total number)	8	19	24	34	67	74	77
17	<i>including:</i> main frame	4	8	9	7	7	6	6
18	medium and small servers	4	11	15	27	60	68	71
19	Personal computers (number)	-	40	442	1457	2200	2400	2520
20	Number of local computer networks	-	-	-	•	110	115	115

\* - Excluding power stations owned by Signalling & Communication Units

\*\* - The reducing connected with property contribution in JSC "PV"

## 6. Railway network

### 6.3 Railway stations

No		1985	1990	1995	2000	2005	2007	2008
1	Railway stations (siding yards) total	205	197	175	171	170	170	170
2	<i>including the following ones:</i> Passenger stations	1	1	1	1	1	1	1
3	Marshalling yards	2	2	2	2	2	2	2
4	Freight stations	33	30	31	30	33	33	33
5	Section station	6	5	4	4	4	4	4
6	Line stations	163	159	137	134	130	130	130
7	Railway stations with freight activities	124	122	118	83	76	76	74
8	Major railway junctions	6	6	6	6	6	6	6

## 7. Tractive rolling stock

No		1985	1990	1995	2000	2005	2007	2008
1	Total diesel locomotives <i>units</i>	365	372	302	239	201	197*	197*
2	<i>including the following types:</i> 2TE10 <i>units</i>	-	15	24	24	24	24	24
3	M62, 2M62 <i>units</i>	100	146	146	110	102	102	102
4	ChME-3 <i>units</i>	42	69	67	58	55	55	55
5	TEP-60, 2TEP-60, TEP-70 <i>units</i>	92	87	56	40	17	13	13
6	Diesel multiple units <i>units</i>	63	65	63	48	1**	1	1
7	Electric multiple units <i>units</i>	208	201	183	132	-**	-	-
8	Diesel locomotive and Diesel multiple unit movements <i>train-km***</i>	44487,3	43756,7	22890,7	17579,9	13993,1**	12790,0	12583,0
9	Electric multiple unit movements <i>train-km</i>	25178,3	24016,8	16291,2	11168,3	-**	-	-
10	Diesel fuel consumption <i>scaled tonnes</i>	226468	207488	90398	86810	99723,8	88508,4	91453,5

\* - Including 94 tandem diesel locomotives (47,7%)

\*\* - The reduction connected with property contribution in JSC "PV"

\*\*\* - The train and shunting movements only

## 8. Passenger car fleet

No		1985	1990	1995	2000	2005	2007	2008
1	Passenger coaches total number	612	617	508	270	19*	1	1
2	<i>including the following types:</i> Sleeping cars with sofa berth "RIC"	7	7	3	-	-	-	-
3	Sleeping cars with sofa berth "SV"	7	9	21	17	-	-	-
4	Compartment cars with hard berth	208	226	199	110	6	-	-
5	Non-compartment berth cars	283	290	239	109	-	-	-
6	Sitting cars	15	17	9	8	6	-	-
7	Restaurant cars	42	30	19	15	3	-	-
8	Luggage cars	20	18	8	5	-	-	-
9	Mail/luggage cars	1	1	1	-	-	-	-
10	Cars "s/t"	5	5	3	2	1	-	-
11	Service cars	4	3	3	3	2	1	1
12	Cars for special technical needs	11	11	3	1	1	-	-
13	Cars of electric multiple units	431	417	376	283	_***	-	-
14	Cars of diesel multiple units	198	194	191	152	2**	2	2
15	Diesel railcar (single unit)	-	-	-	1	_***	-	-

\* - Decrease connected with sale of the cars

\*\* - The reduction connected with property contribution in JSC "PV"

## 9. Freight wagon fleet

No		1985	1990	1995	2000	2005	2007	2008
1	Wagons available total number*	9412	10729	10140	7326	5290	5256	5228
2	<i>including the following types:</i> Boxcars	1692	1956	1586	1398	1327	1294	1288
3	Flat cars	790	992	1090	883	97	74	74
4	Gondolas	1303	1883	1767	1462	1183	1138	1125
5	Tank cars	2378	2325	1813	1311	1222	1219	1217
6	Refrigerator cars	473	700	603	277	112	92	88
7	Other	2776	2873	3281	1995	1349	1439	1436

\* - LDz fleet at the end of the year

## 10. Comparative data for Latvian freight and passenger traffic by mode\*

Passenger journeys, million

Year	Rail	Bus	Air
2003	23,0	179,6	0,4
2004	23,9	195,8	0,7
2005	25,9	221,2	1,2
2006	27,4	209,4	1,6
2007	27,4	194,4	2,2
2008	26,8	183,4	2,8

Passenger turnover, million passenger km

Year	Rail	Bus	Air
2003	762	2550	424
2004	810	2655	825
2005	894	2891	1478
2006	992	2780	2052
2007	983	2644	2766
2008	951	2487	3498

\* - The data of the Latvian Central Statistical Bureau



## 10. Comparative data for Latvian freight and passenger traffic by mode\* (continuation)

Freight volumes, thousand tonnes

Year	Rail	Water**	Road	Pipe	Air
2003	48355	-	41816	20591	7
2004	51058	-	44247	19409	8
2005	54861	-	51525	20259	10
2006	48731	-	54187	14543	14
2007	52164	-	59905	6497	11
2008	56061	-	54459	5033	12

Freight turnover, million tonnes-km

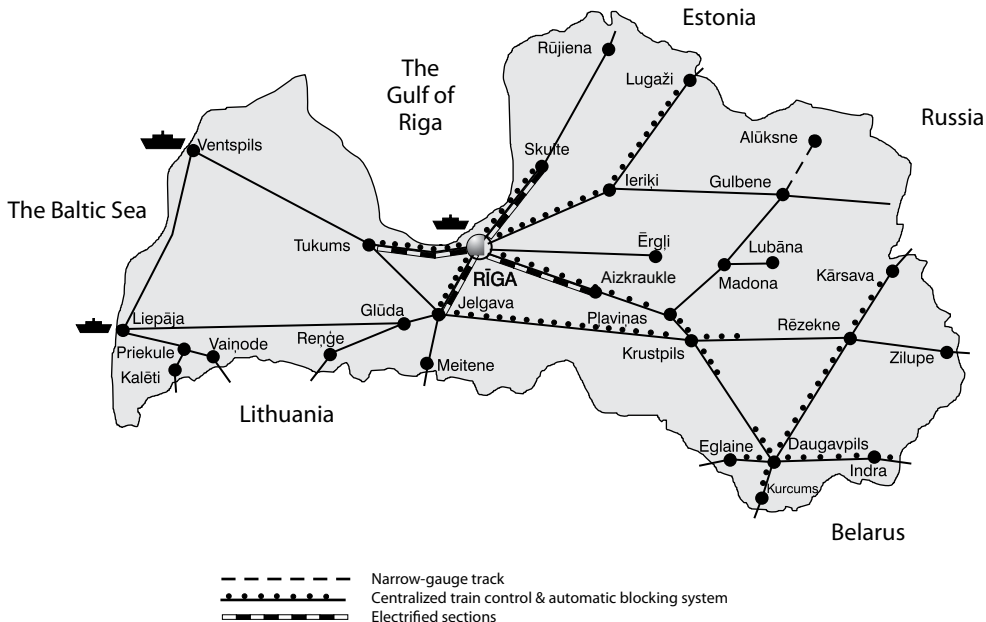
Year	Rail***	Water**	Road	Pipe	Air
2003	17955	-	6763	3150	18
2004	18618	-	7309	3252	22
2005	19779	-	8547	3381	31
2006	16831	-	10936	3628	36
2007	18313	-	13142	2711	13
2008	19581	-	12344	2097	15

\* - The data of the Latvian Central Statistical Bureau

\*\* - Since 1998 the indicator has been cancelled

\*\*\* - Together with other operators

# 11. Latvian rail network



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