

# BASIC PERFORMANCE INDICATORS

# 2009



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



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# **2009**

2010  
Economics Unit  
Marketing Communication Unit



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# 1. SJSC "Latvijas dzelzceļš" - infrastructure manager

## 1.1. Passenger service

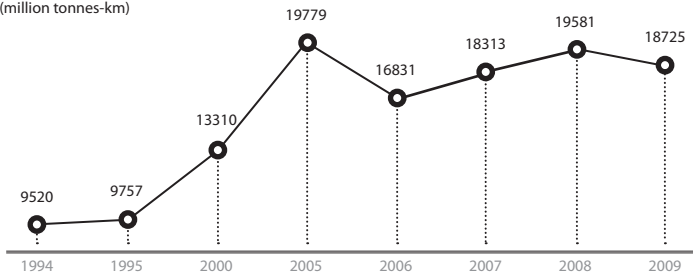
No		1985	1990	1995	2000	2005	2006	2007	2008	2009
1	Total passenger km (million)	5214	5366	1256	715	894*	992*	983*	951*	756**
2	<i>including</i> domestic traffic	3285	3327	779	568	800	893	889	865	686
3	Total passengers (thousand)	147779	144500	42296	18188	25947*	27424*	27430*	26767*	21555**
4	<i>including</i> domestic traffic	130005	129012	39096	17502	25569	27024	27042	26401	21256
	Average passenger journey (km)									
5	<i>including</i> suburban traffic	25,0	26,0	20,6	22,6	24,5	24,8	24,7	24,5	25,7
6	domestic traffic	•	•	126,0	71,7	79,7	93,4	94,1	95,9	87,1

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

\*\* - since 01.03.2009. - JSC "Pasažieru vilciens" un Ltd. "LDz CARGO"

## 1.2. Freight shipments

Freight turnover  
(million tonnes-km)

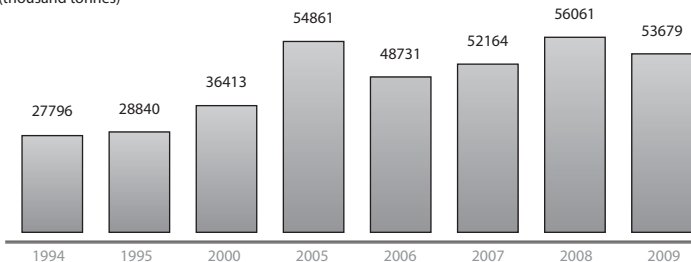


No		1994	1995	2000	2005*	2006	2007	2008	2009
1	Freight turnover (million tonnes-km)	9520	9757	13310	19779	16831	18313	19581	18725
2	Total carried freight (thousand tonnes)	27796	28840	36413	54861	48731	52164	56061	53679
3	<i>including:</i> Domestic traffic	3389	3545	1753	2633	2404	2000	1687	1299
4	International traffic	24407	25295	34660	52228	46327	50164	54374	52380
5	<i>including:</i> Export	923	984	1936	1049	820	997	1410	1177
6	Import	3206	2854	4000	4875	5043	5058	4487	3019
7	Transit	20278	21457	28724	46304	40464	44109	48477	48184
8	<i>including through Latvian ports</i>	16931	17925	25925	40600	35624	39076	43871	45117

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

## 1.3. Freight shipments by type of freight

Total carried freight  
(thousand tonnes)



No		1994	1995	2000	2005	2006	2007	2008	2009
1	Total carried freight (thousand tonnes)	27796	28840	36413	54861	48731	52164	56061	53679
2	<i>including:</i> Oil and oil products	12124	11508	17693	21236	17360	19342	19492	20753
3	Ferrous metals	3066	3425	3989	1879	2298	2640	2637	1755
4	Fertilizers	4238	5202	6950	7037	5535	5629	5196	3332
5	Timber	834	1312	1054	1665	1532	1681	919	609
6	Grain	354	366	324	693	482	949	1220	1076
7	Coal	1006	896	583	15592	14444	14724	18565	18958
8	Sugar	.	.	559	322	492	330	251	74
9	Other	6174	6131	5261	6437	6588	6869	7781	7122

## 1.4. Basic indicators of train traffic

No		1985	1990	1995	2000	2005	2006	2007	2008	2009
1	Train-kilometres <b>total</b> , (thousand)	29031	29082	18870	19367	21340	19581	20111	20909	19601
1.1	<i>including</i> train-kilometres of passenger traffic (thousand)	14120	14920	11932	9306	7609*	7411*	7449*	7518*	7038**
1.1.1	from them by types of traction: <i>diesel</i>	7903	9016	7498	5033	3464	3500	3412	3412	3322
1.1.2	<i>electric</i>	6217	5904	4434	4273	4145	3911	4106	4106	3716
1.2	Train-kilometres of freight traffic (thousand)	14911	14162	6938	8873	11281	9711	10857	10857	11633
1.3	other	.	.	.	1188	2450	2459	1805	2534	930
2	Ton-kilometres gross passenger traffic (million)	7810	8090	4755	2661	2064	2024	2056	2130	1925
3	Ton-kilometres gross freight traffic (million)	37160	35076	18131	24387	35855	30602	32939	35270	33800

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

\*\* - JSC "Pasažieru vilciens", Ltd."LDz Cargo" and Ltd."Gulbenes-Alūksnes bānītis"



## 1.5. Railway network

### 1.5.1. Lines

No		1985	1990	1995	2000	2005	2006	2007	2008	2009
1	Operational length of all lines (km)	2383,5	2397,3	2412,7	2331	2269,8	2269,2	2265,0	2263,3	1884,2
2	Operational length of main lines (km)	2350,3	2364,1	2379,5	2298	2236,4	2235,8	2231,6	2229,9	1850,8
3	<i>including:</i> Double-track sections (km)	271,6	302,9	304,0	301,7	302,8	302,8	302,8	302,8	313,5
4	Total length of main line tracks (km)	2675,0	2702,3	2703,6	2613,9	2569,2	2567,0	2567,0	2565,3	2206,3
5	Sidings and depots tracks (km)	1269,3	1277,2	1207,4	1064,8	896,4	836,1	830,8	835,3	818,2
6	Length of welded- rail tracks (km)	1156,3	1471,0	1570,4	1638,4	1810,3	1817,8	1838,9	1871,4	1881,4
7	Length of main lines with concrete sleepers (km)	1206,9	1554,1	1626,5	1678,1	1833,0	1854,0	1854,0	1933,9	1939,4
8	Length of main lines with hardened rails (km)	574,2	933,0	983,2	1074,3	1247,0	1275,0	1275,0	1335,1	1225,7
9	Operational length of narrow gauge lines (km)	33,2	33,2	33,2	33	33,4	33,4	33,4	33,4	33,4
10	Spur tracks (km)	.	.	.	186,7	221,5	205,5	188,4	165,9	158,1

## 1.5. Railway network

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

No		1985	1990	1995	2000	2005	2006	2007	2008	2009
1	Total turnouts (number)	4458	4469	4275	3790	3512	3135	3113	3294	3215
2	Electrically interlocked turnouts (number)	2570	2896	2863	2710	2637	2599	2580	2546	2523
3	Stations equipped with electrical interlocking (number)	176	178	168	166	163	163	163	163	164
4	Automatic block system including CTC (km)	1107,3	1106,4	1081,2	1046,1	1063,7	1063,7	1063,7	1063,7	1054,9
5	Radio communication (km)	2558,4	2357,4	2312,6	1989,6	1917,3	1917,3	1870,2	1870,2	1784,2
6	Long distance shielded cable (km)	386,4	951,1	1199,8	1840,6	3190,9*	3110,2	3165,5	3233,7	3211,1
7	Length of optical communication cable (km)	-	-	-	561,7	786,5	800,3	850,0	1049,0	1137,6
8	Total telephone customer numbers	8215	9837	9046	7527	7499	7294	7470	7424	7364
9	Hot box detection devices PONAB/DISK (number/stations)	15/-	44/25	59/28	60/30	60/29	60/29	60/29	60/29	60/29
10	Mobile electric power stations (number)	5	4	6	10	12	12	12	12	17

\* - In 2004 the accounting system has been changed

## 1.5. Railway network

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

No		1985	1990	1995	2000	2005	2006	2007	2008	2009
11	Stationary diesel power stations (number)*	120	115	108	105	121	119	119	119	116
12	Length of catenary (km)	620,4	694,5	690,7	653,0	650,1	649,2	649,2	647,9	647,9
13	Electrified lines (km)	247,6	270,7	270,7	257,9	257,4	257,4	257,4	257,4	257,4
14	Transformer substations (number)	1474	1610	863	692	598	595	599	611	619
15	Electric power consumption for operations & maintenance (million kWh/year)	142,6	147,0	114,8	85,3	52,4**	50,2	44,9	38,1	39,8
16	Servers (total number)	8	19	24	34	67	69	74	77	80
17	<i>including:</i> main frame	4	8	9	7	7	4	6	6	2
18	medium and small servers	4	11	15	27	60	65	68	71	78
19	Personal computers (number)	-	40	442	1457	2200	2300	2400	2520	2550
20	Number of local computer networks	-	-	-	•	110	114	115	115	115

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

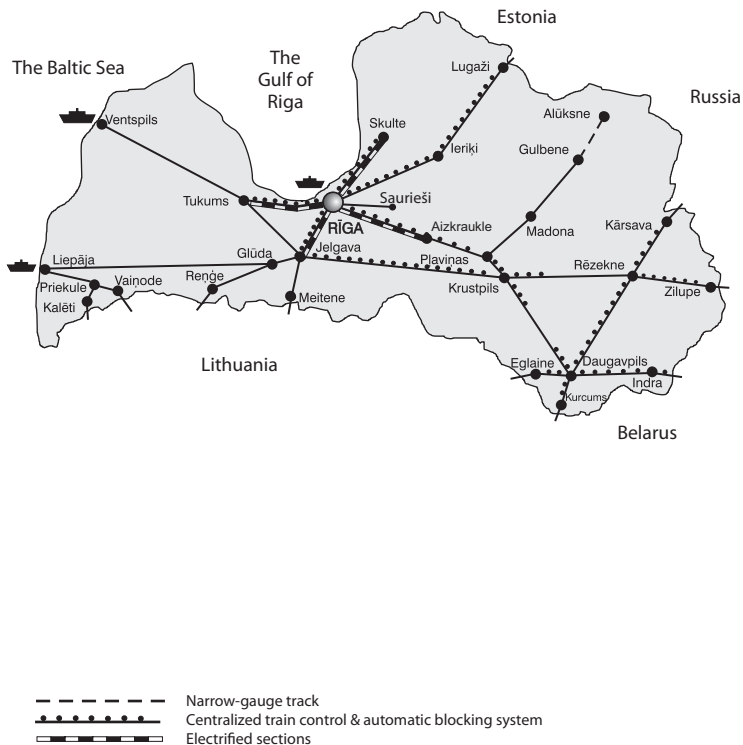
\*\* - The reducing connected with property contribution in JSC "Pasažieru vilciens" (national traffic)

## 1.5. Railway network

### 1.5.3. Railway stations

No		1985	1990	1995	2000	2005	2006	2007	2008	2009
1	Railway station (siding yards) total	205	197	175	171	170	170	170	170	152
2	<i>including the following ones:</i> Passenger stations	1	1	1	1	1	1	1	1	1
3	Marshalling yards	2	2	2	2	2	2	2	2	2
4	Freight stations	33	30	31	30	33	33	33	33	33
5	Section station	6	5	4	4	4	4	4	4	4
6	Line stations	163	159	137	134	130	130	130	130	112
7	Railway stations with freight activities	124	122	118	83	76	76	76	74	70
8	Major railway junctions	6	6	6	6	6	6	6	6	6

## 1.6. Latvian rail network



## 2. Indicators of “Latvijas dzelzceļš” concern

### 2.1. Tractive rolling stock

No		1985	1990	1995	2000	2005	2006	2007	2008	2009
1	Total diesel locomotives <i>units</i>	365	372	302	239	201	197	197	197	196*
2	<i>including the following types:</i> 2TE10 <i>units</i>	-	15	24	24	24	24	24	24	23
3	M62, 2M62 <i>units</i>	100	146	146	110	102	102	102	102	102
4	ChME-3 <i>units</i>	42	69	67	58	55	55	55	55	55
5	TEP-60, 2TEP-60, TEP-70 <i>units</i>	92	87	56	40	17	13	13	13	13
6	Diesel multiple units <i>units</i>	63	65	63	48	1**	1	1	1	1
7	Electric multiple units <i>units</i>	208	201	183	132	-**	-	-	-	-
8	Diesel locomotive and Diesel multiple unit movements <i>thousand-km***</i>	44487,3	43756,7	22890,7	17579,9	13993,1**	12288,0	12790,0	13361,1	11271,3
9	Electric multiple unit movements <i>thousand-km</i>	25178,3	24016,8	16291,2	11168,3	-**	-	-	-	-
10	Diesel fuel consumption <i>scaled tonnes</i>	226468	207488	90398	86810	99723,8	85698,5	88508,4	91453,5	73926,5

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

\*\* - The reduction connected with property contribution in JSC “Pasažieru vilciens” (national traffic)

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

## 2.2. Freight wagon fleet

No		1985	1990	1995	2000	2005	2006	2007	2008	2009
1	Wagons available total number*	9412	10729	10140	7326	5290	5225	5256	5228	6043
2	<i>including the following types:</i> Boxcars	1692	1956	1586	1398	1327	1308	1294	1288	1589
3	Flat cars	790	992	1090	883	97	95	74	74	74
4	Gondolas	1303	1883	1767	1462	1183	1163	1138	1125	1125
5	Tank cars	2378	2325	1813	1311	1222	1220	1219	1217	1217
6	Refrigerator cars	473	700	603	277	112	93	92	88	88
7	Other	2776	2873	3281	1995	1349	1346	1439	1436	1950

\* - LDz fleet at the end of the year

## 2.3. Personal

No		1985	1990	1995	2000	** 2005	** 2006	** 2007	*** 2008	*** 2009
1	Basic activities total <i>including the following ones:</i>	28951	23737	20254	15319	12702	12233	11852	13520	12215
2	Operations*	20455	16747	16275	3533	•	•	•	•	•
3	Heavy Repairs	1344	976	678	-	-	-	-	-	-
4	Construction	61	33	-	-	-	-	-	-	-
5	Loading & Unloading	725	569	233	-	-	-	-	-	-
6	Infrastructure	-	-	-	6223	5223	4889	•	•	•
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



### 3. Comparative traffic data of the main transport modes in Latvia\*

Passenger journeys, million

Year	Rail	Bus	Air
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	183,6	2,8
2009	21,6	143,1	2,9

Passenger turnover, million passenger km

Year	Rail	Bus	Air
2004	811	2655	825
2005	894	2891	1478
2006	992	2780	2052
2007	983	2644	2766
2008	951	2517	3498
2009	756	1899	3470

\* - The data of the Latvian Central Statistical Bureau

### 3. Comparative traffic data of the main transport modes in Latvia\* (continuation)

Freight volumes, thousand tonnes

Year	Rail	Water**	Road	Pipe	Air
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
2009	53679	-	37963	3771	14

Freight turnover, million tonnes-km

Year	Rail***	Water**	Road	Pipe	Air
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
2009	18725	-	8283	1573	19

\* - The date of the Latvian Central Statistical Bureau

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

\*\*\* - Together with other operators

[www.ldz.lv](http://www.ldz.lv)