

# Statistical Yearbook 2020



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# Infrastructure

## Lines

	Km		
	2020	2019	2018
<b>Length of lines as of the end of year</b>	<b>9 377</b>	<b>9 396</b>	<b>9 406</b>
<i>of which:</i>			
Single track	7 337	7 372	7 392
Double track	1 981	1 965	1 958
More than double track	58	59	56
<i>of which:</i>			
Standard gauge	9 354	9 373	9 383
Narrow gauge	23	23	23
<b>Electrified total</b>	<b>3 217</b>	<b>3 213</b>	<b>3 216</b>
<i>of which:</i>			
Electrified single track	1 265	1 267	1 275
Electrified double track and more	1 952	1 946	1 941
<i>of which:</i>			
Electrified by AC 25 000 V / 50 Hz	1 383	1 372	1 381
Electrified by AC 15 000 V / 16.7 Hz	14	14	14
Electrified by DC 3 000 V (1 500 V)	1 796	1 803	1 797
Electrified by DC 1 500 V	24	24	24
<b>Non electrified</b>	<b>6 159</b>	<b>6 183</b>	<b>6 190</b>
<i>of which:</i>			
Non electrified single track	6 072	6 105	6 117
Non electrified double and more track	87	78	73

## Tracks and equipment

As of the end of year	Km		
	2020	2019	2018
<b>Track length as of the end of year</b>	<b>15 189</b>	<b>15 246</b>	<b>15 317</b>
<b>Equipped with:</b>			
60 kg weight rails and more per metre	4 539	4 509	4 442
Continuous welded rail (welded section min. 150 m)	10 451	10 396	10 174
<b>According to the max. authorised speed (continuous tracks):</b>			
Under 80 km/h	7 219	7 274	7 358
Between 81 and 120 km/h	3 003	2 988	2 905
Between 121 and 159 km/h	411	411	436
160 km/h and more	847	832	818
<b>Length of lines operated with:</b>			
Train control system	2 289	2 211	2 123
Remote control of operating points	2 146	2 058	1 991
GSM-R	1 903	1 903	1 660
Automatic train operation (AVV)	1 654	1 645	1 645
<b>Length of tracks operated with:</b>			
Automatic block system	3 560	3 410	3 351
Automatic gate system	3 332	3 185	3 028
Relay semi-automatic block system	760	799	876
Gate semi-automatic block-system	298	311	313

## Equipment

As of the end of year	Amount		
	2020	2019	2018
<b>Number of stations operated with:</b>			
Relay safety equipment	348	365	375
Hybrid safety equipment	31	31	31
Electronic safety equipment	417	390	361
Mechanical or elmechanical transmission	455	474	502
Number of operating points with remote control	345	332	315
<b>Total number of level crossings</b>	<b>7 784</b>	<b>7 825</b>	<b>7 858</b>
<b>Total number of bridges</b>	<b>6 719</b>	<b>6 800</b>	<b>6 740</b>
<b>Total length of bridges (m)</b>	<b>154 422</b>	<b>154 499</b>	<b>153 290</b>
<b>Total number of tunnels</b>	<b>166</b>	<b>166</b>	<b>166</b>
<b>Total length of tunnels (m)</b>	<b>54 072</b>	<b>54 072</b>	<b>54 065</b>

Type: MTW 100.013/7  
Engine number: 6518  
Rolling stock construction gauge: UIC505-1G2

**DIMENSIONS**  
Length over buffers: 21 400 mm  
Height above the top of the rail: 4 560 mm  
Overall width: 3 050 mm



Plasser & Theurer

**SPEED**  
Max. speed: 120 km/h  
Running gear: 5 km/h

**ENGINE**  
Producer: DEUTZ  
Type: TCD 16.0/V8/1757/IIIB  
Power: 520 kW at 1 900 rpm  
Emissions: according to COMIIIb

# Stations and stops

As of the end of year	2020	2019	2018
<b>Number of stations</b>	<b>2 612</b>	<b>2 578</b>	<b>2 625</b>
of which:			
Stations	1 082	1 075	1 094
Stops	1 530	1 503	1 531
<b>Classification of stations and stops</b>	<b>2 612</b>	<b>2 578</b>	<b>2 625</b>
of which:			
Class A	1	1	1
Class B	14	15	13
Class C	162	161	246
Class D	598	594	820
Class E	1 837	1 807	1 545
Built-up space in station buildings (m <sup>3</sup> )	8 091 455	8 142 341	7 973 962
Built-up area in stations (m <sup>2</sup> )	1 033 982	1 037 321	986 558
Number of stations and stops with barrier-free entry to buildings and platform (at least 1 platform)	439	347	300
Number of stations and stops with barrier-free entry only to platform (at least 1 platform)	695	645	618
Wear and tear of station buildings (%)	36.00	39.40	42.72
Maintenance (CZK mil.)	813.43	683.46	592.91
Investment (CZK mil.)	894.62	485.83	205.68

# Track mechanism

As of the end of year	Amount		
	2020	2019	2018
Motor universal rail vans of all types	352	353	350
Vehicles for catenary	83	83	83
Rail snow cutter	48	48	48
Mechanism for exchange of sleepers	47	47	47
Vehicles for diagnostics and measurement	7	7	7
Other special powered vehicles	38	38	38
Trailed rail trucks	684	640	640
Rail snow plow	11	11	11
Rail wagons incl. special extensions	199	199	199
Vehicles for measurement	4	4	4

# Employees

	Number		
	2020	2019	2018
<b>Average recalculated number of full-time employees</b>	<b>17 128</b>	<b>17 106</b>	<b>17 307</b>
of which:			
Modernisation of railway	571	524	499
Operability of railway	7 709	7 582	7 988
Traffic Control	7 993	8 092	8 266
<b>Number of employees as of the end of year</b>	<b>17 276</b>	<b>17 136</b>	<b>17 234</b>
of which:			
<b>Gender structure of employees</b>			
Male	12 493	12 396	12 495
Female	4 783	4 740	4 739
<b>Age structure of employees</b>			
18–19	31	18	24
20–29	1 410	1 329	1 295
30–39	2 112	2 017	2 063
40–49	5 216	5 440	5 639
50–59	6 470	6 320	6 196
60 and more	2 037	2 012	2 017
<b>Employees structure by educational attainments</b>			
Primary education	476	507	528
Secondary education without school-leaving exam	4 557	4 609	4 821
Secondary education with school-leaving exam	9 601	9 509	9 548
Higher professional education	155	142	149
University degree	2 487	2 369	2 188

# Transport performances

## Gross tonne-kilometres in total (gtkm)

	Billions of gtkm		
	2020	2019	2018
Electric traction	47.730	52.962	52.720
Combined diesel and electric	0.675	0.582	0.571
Diesel traction	9.004	9.500	9.830
<b>Total</b>	<b>57.409</b>	<b>63.044</b>	<b>63.121</b>

## Gross tonne-kilometres of freight trains (gtkm)

	Billions of gtkm		
	2020	2019	2018
Electric traction	28.022	30.517	30.921
Combined diesel and electric	0.644	0.550	0.537
Diesel traction	4.164	4.646	5.003
<b>Total</b>	<b>32.830</b>	<b>35.713</b>	<b>36.461</b>

## Gross tonne-kilometres of passenger trains (gtkm)

	Billions of gtkm		
	2020	2019	2018
Electric traction	19.708	22.445	21.799
Combined diesel and electric	0.031	0.032	0.034
Diesel traction	4.840	4.854	4.827
<b>Total</b>	<b>24.579</b>	<b>27.331</b>	<b>26.660</b>

# Punctuality

## Train kilometres in total (trkm)

	Millions of trkm		
	2020	2019	2018
Electric traction	94.116	101.324	99.798
Combined diesel and electric	0.590	0.557	0.566
Diesel traction	73.208	73.104	72.608
<b>Total</b>	<b>167.914</b>	<b>174.985</b>	<b>172.972</b>

## Train kilometres in freight transport (trkm)

	Millions of trkm		
	2020	2019	2018
Electric traction	26.513	29.157	28.882
Combined diesel and electric	0.493	0.453	0.456
Diesel traction	8.859	9.268	9.483
<b>Total</b>	<b>35.865</b>	<b>38.878</b>	<b>38.821</b>

## Train kilometres in passenger transport (trkm)

	Millions of trkm		
	2020	2019	2018
Electric traction	67.603	72.167	70.916
Combined diesel and electric	0.097	0.104	0.110
Diesel traction	64.349	63.836	63.125
<b>Total</b>	<b>132.049</b>	<b>136.107</b>	<b>134.151</b>

Note: Steam traction included in total figures

## Punctuality of passenger trains

	2020	2019	2018
Number of monitored trains	2 777 986	2 792 795	2 716 766
Number of trains on-time*	2 522 805	2 484 780	2 420 639
<b>Punctuality (%)</b>	<b>90.81</b>	<b>88.97</b>	<b>89.10</b>

## Punctuality of freight trains

	2020	2019	2018
Number of monitored trains	475 001	405 292	352 736
Number of trains on-time*	167 572	171 152	133 313
<b>Punctuality (%)</b>	<b>35.28</b>	<b>42.23</b>	<b>37.39</b>

\* tolerance of on-time until incl. 5 minutes





72N

70N

68N

21

20

22

71N

69N

67N

190.6

190.7

km 190.636 079

2SM  
KS

Z0

ZP

091	+	120	130	140	1	4	0
091	+	130	140	140	1	6	0
091	+	130	140	140	1	6	0

19

18

369  
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# Accounts

## Balance sheet

	Millions of CZK		
	2020	2019	2018
<b>TOTAL ASSETS</b>	<b>62 609</b>	<b>63 611</b>	<b>65 647</b>
<b>Fixed assets</b>	<b>54 565</b>	<b>57 104</b>	<b>60 588</b>
Intangible fixed assets	203	219	210
Tangible fixed assets	54 362	56 885	60 377
of which: Land	6 762	6 778	6 782
of which: Constructions	39 211	41 682	44 197
<b>Current assets</b>	<b>8 010</b>	<b>6 443</b>	<b>4 998</b>
Inventories	630	548	462
Long-term receivables	1	1	32
Short-term receivables	2 249	2 104	1 904
of which: Trade receivables	1 330	1 241	1 257
Cash	5 129	3 790	2 600
<b>Deferrals</b>	<b>33</b>	<b>64</b>	<b>62</b>

	Millions of CZK		
	2020	2019	2018
<b>LIABILITIES AND EQUITY</b>	<b>62 609</b>	<b>63 611</b>	<b>65 647</b>
<b>Equity capital</b>	<b>51 052</b>	<b>52 365</b>	<b>53 581</b>
Registered capital	57 384	57 367	57 363
Funds	861	1 013	1 151
Retained earnings	-6 018	-4 940	-4 403
Profit/loss for the current period	-1 246	-1 078	-529
<b>Liabilities</b>	<b>11 446</b>	<b>10 984</b>	<b>11 870</b>
<b>Provisions</b>	<b>1 045</b>	<b>1 019</b>	<b>2 242</b>
<b>Payables</b>	<b>10 401</b>	<b>9 965</b>	<b>9 627</b>
Long-term payables	3 115	5 391	5 022
of which: Trade payables	69	66	61
of which: Credit payables	0	290	588
Short-term payables	7 286	4 574	4 605
of which: Trade payables	3 383	2 319	2 572
of which: Credit payables	0	0	0
<b>Accruals</b>	<b>111</b>	<b>262</b>	<b>196</b>

## Profit and loss account

	Millions of CZK		
	2020	2019	2018
Revenues from use of railway infrastructure	3 282	3 679	3 653
Revenues from allocated railway infrastructure capacity	126	114	115
Subsidies from SFTI for repairs and maintenance of national and regional tracks	20 752	19 415	15 692
Subsidies from SFTI for repairs and maintenance of passenger station premises	0	0	1 099
Subsidies from SFTI for the operation of railway infrastructure	2 631	4 253	6 317
Subsidies from SFTI co-financed from OPT	0	0	0
Subsidies for railway infrastructure not covered by SFTI	320	0	0
Other subsidies	52	40	32
Správa železnic debt remission as per Czech Government Resolution No. 1533 from 2005	584	0	0
Purchase and sale of energy and distribution services	186	238	394
Materials, energy consumption and services	-18 207	-15 762	-13 432
Personnel expenses	-12 225	-11 387	-10 535
Accounting depreciation	-4 024	-4 099	-4 112
Other operating revenues and expenses	4 897	2 787	578
<b>Operating loss/profit (EBIT)</b>	<b>-1 626</b>	<b>-722</b>	<b>-200</b>
<b>Profit/loss from financial operation</b>	<b>-25</b>	<b>-12</b>	<b>-50</b>
<b>Profit/loss before tax (EBT)</b>	<b>-1 651</b>	<b>-734</b>	<b>-250</b>
Deferred tax	405	-345	-280
<b>Profit/loss after tax (EAT)</b>	<b>-1 246</b>	<b>-1 079</b>	<b>-529</b>
<b>EBITDA</b>	<b>1 799</b>	<b>2 106</b>	<b>2 669</b>

## Investment

	Millions of CZK			
	2020	2019	2018	20/19
CAPEX	29 272	20 354	20 961	1.4
<b>Investment grants in total</b>	<b>29 639</b>	<b>19 603</b>	<b>19 009</b>	<b>1.5</b>
Investment grants from the State Fund for Transport Infrastructure	15 469	11 638	8 443	1.3
Investment grants from EU funds	14 168	7 942	10 557	1.8
Investment contributions from municipalities, regions and other bodies	2	14	9	0.1
Other EU funds (except SFTI budget, e.g. IROP)	0	9	3	0.0

# Rail extraordinary events

## Rail accidents and incidents

	2020	2019	2018
<b>Number of rail accidents and incidents in total</b>	<b>1 017</b>	<b>1 062</b>	<b>992</b>
of which:			
Category A (serious accidents)	15	13	7
Category B (accidents)	409	411	386
Category C (incident/threat)	593	638	599
of which:			
Collisions with road vehicles	143	165	154
<b>Damage caused (millions of CZK)</b>	<b>396</b>	<b>319</b>	<b>238</b>

Figures of rail extraordinary events according to the Act 181/2006 Coll.

## Accidents on road infrastructure

	2020	2019	2018
Number of road accidents investigated by Police of the Czech Republic	94 794	107 572	104 764
Number of killed persons	460	547	565
Number of seriously injured persons	1 807	2 110	2 465
Number of injured persons	20 880	23 935	25 215
<b>Damage caused by road accidents (estimation) (in millions of CZK)</b>	<b>6 016</b>	<b>6 839</b>	<b>6 548</b>

Source: Police of the Czech Republic



# Map of railway network

Interactive map of  
Správa železnic



the lines of system TEN-T

# Identification and contact details

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Organisation name Established by	<b>Správa železnic</b> , státní organizace Czech Republic (represented by the Ministry of Transport of the Czech Republic)
Date of incorporation Identification number	1 January 2003 70994234
Registration court Registered under	Prague Section A, File 48384
Registered office	Praha 1 – Nové Město, Dlážděná 1003/7, Postcode 110 00
Phone E-mail	222 335 711 info@spravazeleznic.cz
Website	<b><a href="http://www.spravazeleznic.cz">www.spravazeleznic.cz</a></b>

