

Field Nr.	Data Code	Description of data	Data format	Value				Possible Deviation and its classification
<b>0. Reporting country details</b>								
C	CC	Reporting country	ISO 3166 alpha-2 country code (except for Channel Tunnel (CT), Greece (EL) and the United Kingdom (UK))	LT				Changing values for 2022
Y	YY	Reporting year		2020	2021	2022	Justification for changes in 2022 values	2023
<b>1. Indicators relating to accidents</b>								
<b>1.1 Total number of significant accidents and a break-down for the following types of accidents</b>								
1	N00	Total number of significant accidents	Numeric value (integer)	9	11	7		11
3	N011	Collisions of train with rail vehicle	Numeric value (integer)	0	0	0		0
4	N012	Collisions of train with obstacle within the clearance gauge	Numeric value (integer)	0	0	0		0
5	N02	Derailments of trains	Numeric value (integer)	0	0	0		0
6	N031	Level crossing accidents on passive LCs	Numeric value (integer)	0	0	1		0
7	N032	Level crossing accidents on manual LCs	Numeric value (integer)	1	0	1		0
8	N033	Level crossing accidents on LCs automatic with user-side warning	Numeric value (integer)	0	0	0		0
9	N034	Level crossing accidents on LCs automatic with user-side protection	Numeric value (integer)	0	0	0		0
10	N035	Level crossing accidents on rail-side protected LCs	Numeric value (integer)	0	0	0		0
11	N03	Level-crossing accidents, including accidents involving pedestrians at level-crossings	Numeric value (integer)	1	0	2		0
12	N04	Accidents to persons caused by rolling stock in motion, with the exception of suicides and attempted suicides	Numeric value (integer)	8	11	5		11
13	N05	Fires in rolling stock	Numeric value (integer)	0	0	0		0
14	N06	Other accidents	Numeric value (integer)	0	0	0		0
<b>1.2 Persons seriously injured and killed by type of accident and by category of person</b>								
<b>1.2.1a. Persons seriously injured - all persons</b>								
15	TS00	Total number in all accidents	Numeric value (integer)	4	3	2		2
16	TS01	In collisions of trains, including collisions with obstacles within the clearance gauge	Numeric value (integer)	0	0	0		0
17	TS011	In collisions of train with rail vehicle	Numeric value (integer)	0	0	0		0
18	TS012	In collisions of train with obstacle within the clearance gauge	Numeric value (integer)	0	0	0		0
19	TS02	In derailments of trains	Numeric value (integer)	0	0	0		0
20	TS03	In level-crossing accidents, including accidents involving pedestrians at level-crossings	Numeric value (integer)	0	0	0		0
21	TS04	In accidents to persons caused by rolling stock in motion, with the exception of suicides	Numeric value (integer)	4	3	2		2
22	TS05	In fires in rolling stock	Numeric value (integer)	0	0	0		0
23	TS06	In others	Numeric value (integer)	0	0	0		0

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<b>1.2.1b. Passengers seriously injured</b>								
24	PS00	Total number in all accidents	Numeric value (integer)	0	0	0	0	
26	PS011	In collisions of train with rail vehicle	Numeric value (integer)	0	0	0	0	
27	PS012	In collisions of train with obstacle within the clearance gauge	Numeric value (integer)	0	0	0	0	
28	PS02	In derailments of trains	Numeric value (integer)	0	0	0	0	
29	PS03	In level-crossing accidents, including accidents involving pedestrians at level-crossings	Numeric value (integer)	0	0	0	0	
30	PS04	In accidents to persons caused by rolling stock in motion, with the exception of suicides	Numeric value (integer)	0	0	0	0	
31	PS05	In fires in rolling stock	Numeric value (integer)	0	0	0	0	
32	PS06	In others	Numeric value (integer)	0	0	0	0	
<b>1.2.1c. Employees or contractors seriously injured</b>								
33	SS00	Total number in all accidents	Numeric value (integer)	1	0	0	0	
35	SS011	In collisions of train with rail vehicle	Numeric value (integer)	0	0	0	0	
36	SS012	In collisions of train with obstacle within the clearance gauge	Numeric value (integer)	0	0	0	0	
37	SS02	In derailments of trains	Numeric value (integer)	0	0	0	0	
38	SS03	In level-crossing accidents, including accidents involving pedestrians at level-crossings	Numeric value (integer)	0	0	0	0	
39	SS04	In accidents to persons caused by rolling stock in motion, with the exception of suicides	Numeric value (integer)	1	0	0	0	
40	SS05	In fires in rolling stock	Numeric value (integer)	0	0	0	0	
41	SS06	In others	Numeric value (integer)	0	0	0	0	
<b>1.2.1d. Level-crossing users seriously injured</b>								
42	LS00	Total number in all accidents	Numeric value (integer)	0	0	1	0	
44	LS011	In collisions of train with rail vehicle	Numeric value (integer)	0	0	0	0	
45	LS012	In collisions of train with obstacle within the clearance gauge	Numeric value (integer)	0	0	0	0	
46	LS02	In derailments of trains	Numeric value (integer)	0	0	0	0	
47	LS03	In level-crossing accidents, including accidents involving pedestrians at level-crossings	Numeric value (integer)	0	0	0	0	
48	LS04	In accidents to persons caused by rolling stock in motion, with the exception of suicides	Numeric value (integer)	0	0	1	0	
49	LS05	In fires in rolling stock	Numeric value (integer)	0	0	0	0	
50	LS06	In others	Numeric value (integer)	0	0	0	0	
<b>1.2.1e. Trespassers seriously injured</b>								
51	US00	Total number in all accidents	Numeric value (integer)	3	3	1	2	
53	US011	In collisions of train with rail vehicle	Numeric value (integer)	0	0	0	0	
54	US012	In collisions of train with obstacle within the clearance gauge	Numeric value (integer)	0	0	0	0	
55	US02	In derailments of trains	Numeric value (integer)	0	0	0	0	
56	US03	In level-crossing accidents, including accidents involving pedestrians at level-crossings	Numeric value (integer)	0	0	0	0	
57	US04	In accidents to persons caused by rolling stock in motion, with the exception of suicides	Numeric value (integer)	3	3	1	2	
58	US05	In fires in rolling stock	Numeric value (integer)	0	0	0	0	
59	US06	In others	Numeric value (integer)	0	0	0	0	
<b>1.2.1g. Other persons on platform seriously injured</b>								
69	OSP00	Total number in all accidents	Numeric value (integer)	0	0	0	0	
70	OSP011	In collisions of train with rail vehicle	Numeric value (integer)	0	0	0	0	
71	OSP012	In collisions of train with obstacle within the clearance gauge	Numeric value (integer)	0	0	0	0	
72	OSP02	In derailments of trains	Numeric value (integer)	0	0	0	0	
73	OSP03	In level-crossing accidents, including accidents involving pedestrians at level-crossings	Numeric value (integer)	0	0	0	0	
74	OSP04	In accidents to persons caused by rolling stock in motion, with the exception of suicides	Numeric value (integer)	0	0	0	0	
75	OSP05	In fires in rolling stock	Numeric value (integer)	0	0	0	0	
76	OSP06	In others	Numeric value (integer)	0	0	0	0	
<b>1.2.1h. Other persons not on platform seriously injured</b>								
77	OSE00	Total number in all accidents	Numeric value (integer)	0	0	0	0	
78	OSE011	In collisions of train with rail vehicle	Numeric value (integer)	0	0	0	0	
79	OSE012	In collisions of train with obstacle within the clearance gauge	Numeric value (integer)	0	0	0	0	
80	OSE02	In derailments of trains	Numeric value (integer)	0	0	0	0	
81	OSE03	In level-crossing accidents, including accidents involving pedestrians at level-crossings	Numeric value (integer)	0	0	0	0	
82	OSE04	In accidents to persons caused by rolling stock in motion, with the exception of suicides	Numeric value (integer)	0	0	0	0	
83	OSE05	In fires in rolling stock	Numeric value (integer)	0	0	0	0	
84	OSE06	In others	Numeric value (integer)	0	0	0	0	
<b>1.2.2a. Persons killed by type of accident - all persons</b>								
85	TK00	Total number in all accidents	Numeric value (integer)	6	8	4	9	
86	TK01	In collisions of trains, including collisions with obstacles within the clearance gauge	Numeric value (integer)	0	0	0	0	
87	TK011	In collisions of train with rail vehicle	Numeric value (integer)	0	0	0	0	
88	TK012	In collisions of train with obstacle within the clearance gauge	Numeric value (integer)	0	0	0	0	
89	TK02	In derailments of trains	Numeric value (integer)	0	0	0	0	
90	TK03	In level-crossing accidents, including accidents involving pedestrians at level-crossings	Numeric value (integer)	1	0	0	0	
91	TK04	In accidents to persons caused by rolling stock in motion, with the exception of suicides	Numeric value (integer)	5	8	4	9	
92	TK05	In fires in rolling stock	Numeric value (integer)	0	0	0	0	
93	TK06	In others	Numeric value (integer)	0	0	0	0	
<b>1.2.2b. Passengers killed</b>								
94	PK00	Total number in all accidents	Numeric value (integer)	0	0	0	0	
96	PK011	In collisions of train with rail vehicle	Numeric value (integer)	0	0	0	0	
97	PK012	In collisions of train with obstacle within the clearance gauge	Numeric value (integer)	0	0	0	0	
98	PK02	In derailments of trains	Numeric value (integer)	0	0	0	0	
99	PK03	In level-crossing accidents, including accidents involving pedestrians at level-crossings	Numeric value (integer)	0	0	0	0	
100	PK04	In accidents to persons caused by rolling stock in motion, with the exception of suicides	Numeric value (integer)	0	0	0	0	
101	PK05	In fires in rolling stock	Numeric value (integer)	0	0	0	0	
102	PK06	In others	Numeric value (integer)	0	0	0	0	

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<b>1.2.2c. Employees or contractors killed</b>							
103	SK00	Total number in all accidents	Numeric value (integer)	0	0	0	0
105	SK011	In collisions of train with rail vehicle	Numeric value (integer)	0	0	0	0
106	SK012	In collisions of train with obstacle within the clearance gauge	Numeric value (integer)	0	0	0	0
107	SK02	In derailments of trains	Numeric value (integer)	0	0	0	0
108	SK03	In level-crossing accidents, including accidents involving pedestrians at level-crossings	Numeric value (integer)	0	0	0	0
109	SK04	In accidents to persons caused by rolling stock in motion, with the exception of suicides	Numeric value (integer)	0	0	0	0
110	SK05	In fires in rolling stock	Numeric value (integer)	0	0	0	0
111	SK06	In others	Numeric value (integer)	0	0	0	0

Field Nr.	Data Code	Description of data	Data format	Value			Possible Deviation and its classification	
<b>1.2.2d. Level-crossing users killed</b>								
112	LK00	Total number in all accidents	Numeric value (integer)	1	0	0	0	
114	LK011	In collisions of train with rail vehicle	Numeric value (integer)	0	0	0	0	
115	LK012	In collisions of train with obstacle within the clearance gauge	Numeric value (integer)	0	0	0	0	
116	LK02	In derailments of trains	Numeric value (integer)	0	0	0	0	
117	LK03	In level-crossing accidents, including accidents involving pedestrians at level-crossings	Numeric value (integer)	1	0	0	0	
118	LK04	In accidents to persons caused by rolling stock in motion, with the exception of suicides	Numeric value (integer)	0	0	0	0	
119	LK05	In fires in rolling stock	Numeric value (integer)	0	0	0	0	
120	LK06	In others	Numeric value (integer)	0	0	0	0	
<b>1.2.2e. Trespassers killed</b>								
121	UK00	Total number in all accidents	Numeric value (integer)	5	8	4	9	
123	UK011	In collisions of train with rail vehicle	Numeric value (integer)	0	0	0	0	
124	UK012	In collisions of train with obstacle within the clearance gauge	Numeric value (integer)	0	0	0	0	
125	UK02	In derailments of trains	Numeric value (integer)	0	0	0	0	
126	UK03	In level-crossing accidents, including accidents involving pedestrians at level-crossings	Numeric value (integer)	0	0	0	0	
127	UK04	In accidents to persons caused by rolling stock in motion, with the exception of suicides	Numeric value (integer)	5	8	4	9	
128	UK05	In fires in rolling stock	Numeric value (integer)	0	0	0	0	
129	UK06	In others	Numeric value (integer)	0	0	0	0	
<b>1.2.2g. Other persons on platform killed</b>								
139	OKP00	Total number in all accidents	Numeric value (integer)	0	0	0	0	
140	OKP011	In collisions of train with rail vehicle	Numeric value (integer)	0	0	0	0	
141	OKP012	In collisions of train with obstacle within the clearance gauge	Numeric value (integer)	0	0	0	0	
142	OKP02	In derailments of trains	Numeric value (integer)	0	0	0	0	
143	OKP03	In level-crossing accidents, including accidents involving pedestrians at level-crossings	Numeric value (integer)	0	0	0	0	
144	OKP04	In accidents to persons caused by rolling stock in motion, with the exception of suicides	Numeric value (integer)	0	0	0	0	
145	OKP05	In fires in rolling stock	Numeric value (integer)	0	0	0	0	
146	OKP06	In others	Numeric value (integer)	0	0	0	0	
<b>1.2.2h. Other persons not on platform killed</b>								
147	OKE00	Total number in all accidents	Numeric value (integer)	0	0	0	0	
148	OKE011	In collisions of train with rail vehicle	Numeric value (integer)	0	0	0	0	
149	OKE012	In collisions of train with obstacle within the clearance gauge	Numeric value (integer)	0	0	0	0	
150	OKE02	In derailments of trains	Numeric value (integer)	0	0	0	0	
151	OKE03	In level-crossing accidents, including accidents involving pedestrians at level-crossings	Numeric value (integer)	0	0	0	0	
152	OKE04	In accidents to persons caused by rolling stock in motion, with the exception of suicides	Numeric value (integer)	0	0	0	0	
153	OKE05	In fires in rolling stock	Numeric value (integer)	0	0	0	0	
154	OKE06	In others	Numeric value (integer)	0	0	0	0	
<b>2. Indicators relating to dangerous goods</b>								
155	N18	Total number of accidents involving at least one railway vehicle transporting dangerous goods	Numeric value (integer)	0	0	0	0	
156	N19	Accidents involving at least one railway vehicle transporting dangerous goods in which dangerous goods are NOT released	Numeric value (integer)	0	0	0	0	
157	N20	Accidents involving at least one railway vehicle transporting dangerous goods	Numeric value (integer)	0	0	0	0	
<b>3. Indicators relating to suicides</b>								
158	N07	Suicides	Numeric value (integer)	5	4	6	0	Natural variation
159	N08	Attempted suicides	Numeric value (integer)	1	0	0	0	
<b>4. Indicators relating to precursors to accidents</b>								
160	I00	Total number of precursors	Numeric value (integer)	7	16	7	1	
161	I01	Broken rails	Numeric value (integer)	5	11	4	0	Natural variation
162	I02	Track buckles and other track misalignments	Numeric value (integer)	1	0	1	0	
163	I03	Wrong-side signalling failures	Numeric value (integer)	1	2	0	0	
165	I041	Signals passed at danger when passing a danger point	Numeric value (integer)	0	3	2	0	
166	I042	Signals passed at danger without passing a danger point	Numeric value (integer)	0	0	0	1	
167	I05	Broken wheels on rolling stock in service	Numeric value (integer)	0	0	0	0	
168	I06	Broken axles on rolling stock in service	Numeric value (integer)	0	0	0	0	
<b>5. Indicators to calculate the economic impact of accidents</b>								
175	C10	Economic impact of <b>significant accidents ONLY</b>	Numeric value in €	20838131	28129617	14403944	30940003	
176	C01	Economic impact of fatalities	Numeric value in €	18837332	26492932	13380546	29844784	
177	C02	Economic impact of serious injuries	Numeric value in €	1814243	1435254	966521	958128	
178	C13	Cost of material damages to rolling stock or infrastructure (significant accidents)	Numeric value in €	0	3639	12291	2471	Natural variation
179	C17	Cost of damage to the environment (significant accidents)	Numeric value in €	0	0	0	0	
180	C14	Cost of delays as a consequence of significant accidents	Numeric value in €	186556	197793	44586	134620	
181	C15	Minutes of delays of passenger trains (significant accidents)	Numeric value (minutes)	330	308	591	761	Natural variation
182	C16	Minutes of delays of freight trains (significant accidents)	Numeric value (minutes)	1811	1916	307	709	Natural variation
<b>6. Indicators relating to technical safety of infrastructure and its implementation</b>								
<b>6.1 Train Protection Systems (TPS)</b>								
183	TP01	Percentage of tracks with Train Protection Systems (TPS) in operation providing warning	Numeric value (%)	0%	0%	0%	0,0%	
184	TP02	Percentage of tracks with Train Protection Systems (TPS) in operation providing warning and automatic stop	Numeric value (%)	52%	52%	52%	52,0%	
185	TP03	Percentage of tracks with Train Protection Systems (TPS) in operation providing warning and automatic stop and discrete supervision of speed	Numeric value (%)	0%	0%	0%	0,0%	
186	T01	Percentage of tracks with Automatic Train Protection (ATP) in operation	Numeric value (%)	40%	40%	40%	40,0%	
187	TT01	Percentage of train kilometers run with Train Protection Systems (TPS) in operation providing warning	Numeric value (%)	79%	0%	0%	0,0%	
188	TT02	Percentage of train kilometers run with Train Protection Systems (TPS) in operation providing warning and automatic stop	Numeric value (%)	79%	79%	79%	79,0%	

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189	TT03	Percentage of train kilometers run with Train Protection Systems (TPSS) in operation providing warning and automatic stop and discrete supervision of speed	Numeric value (%)	0%	0%	0%	0,0%
190	T02	Percentage of train kilometres using operational ATP systems	Numeric value (%)	0%	0%	0%	0,0%
<b>6.2 Level crossings</b>							
191	T03	Total number of level crossings (active and passive)	Numeric value	641	635	576	538
192	T06	Total number of active level crossings	Numeric value	483	477	372	374
193	T07	with automatic user-side warning	Numeric value	381	380	313	312
194	T081	with automatic user side protection	Numeric value	38	38	7	7
197	T10	with user-side protection and warning, and rail-side protection	Numeric value	29	24	31	36
198	T15	manual	Numeric value	35	35	21	19
202	T14	Total number of passive level crossings	Numeric value	158	158	204	164
<b>R.T. Reference data traffic and infrastructure</b>							
205	R01	Total number of Train km	Numeric value (in million train-km)	15,5	14,8	11,9	11,3
206	R05	Passenger train km - NOTE DEFINITION: Unit of measurement representing the movement of a passenger train over one kilometre.	Numeric value (in million train-km)	6,0	5,7	6,5	6,6
207	R06	Freight train km - NOTE DEFINITION: Unit of measurement representing the movement of a freight train over one kilometre.	Numeric value (in million train-km)	9,5	9,1	5,4	4,7
208	R04	Other train km - NOTE DEFINITION: Unit of measurement representing the movement of a train - not categorised as a passenger or freight train, e.g. a works train over one kilometre.	Numeric value (in million train-km)	0,0	0,0	0,0	0,0
209	R02	Number of passenger km - NOTE DEFINITION: Unit of measurement representing the transport of one rail passenger by rail over a distance of one kilometre.	Numeric value (in million passenger-km)	257,5	164,1	432,0	464
210	R07	Number of rail freight tonne km - NOTE DEFINITION: Unit of measurement of railway goods transport which represents the transport by rail of one tonne of goods over a distance of one	Numeric value (in million tonne-km)	15864,7	14565,0	7375,0	11581
211	R08	Number of line kilometres - NOTE DEFINITION: Unit of measurement of the length of the railway network	Numeric value (in km)	1910,0	1910,7	1974,0	1924
212	R03	Number of track kilometres - NOTE DEFINITION: Unit of measurement of the length of the railway network multiplied by the number of tracks	Numeric value (in km)	3465,0	3465,0	3528,0	3478
<b>R.E Reference data for economic indicators (not mandatory)</b>							
213	R09	Average percentage of work passengers per year	Numeric value (%)	0%	0%	0%	
214	R10	Average percentage of non-work passengers per year	Numeric value (%)	#VALUE!	0%	0%	
215	R11	National value of preventing a fatality	Numeric value in €	0	0	0	
216	R12	National value of preventing a serious injury	Numeric value in €	0	0	0	
217	R13	National value of time for a work passenger of a train (an hour)	Numeric value in €	0	0	0	
218	R14	National value of time for a non-work passenger of a train (an hour)	Numeric value in €	0	0	0	
219	R15	National value of time for a tonne freight (an hour)	Numeric value in €	0	0	0	
220	R16	Fall back value of preventing a fatality	Numeric value in €	3139555	3311616	3345136	3316087
221	R17	Fall back value of preventing a serious injury	Numeric value in €	453561	478418	483261	479064
222	R18	Fall back value of time for a work passenger of a train (an hour)	Numeric value in €	26,89	28,37	28,65	28,40
223	R19	Fall back value of time for a non-work passenger of a train (an hour)	Numeric value in €	8,96	9,46	9,55	9,47
224	R20	Fall back value of time for a tonne freight (an hour)	Numeric value in €	1,67	1,76	1,78	1,77

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