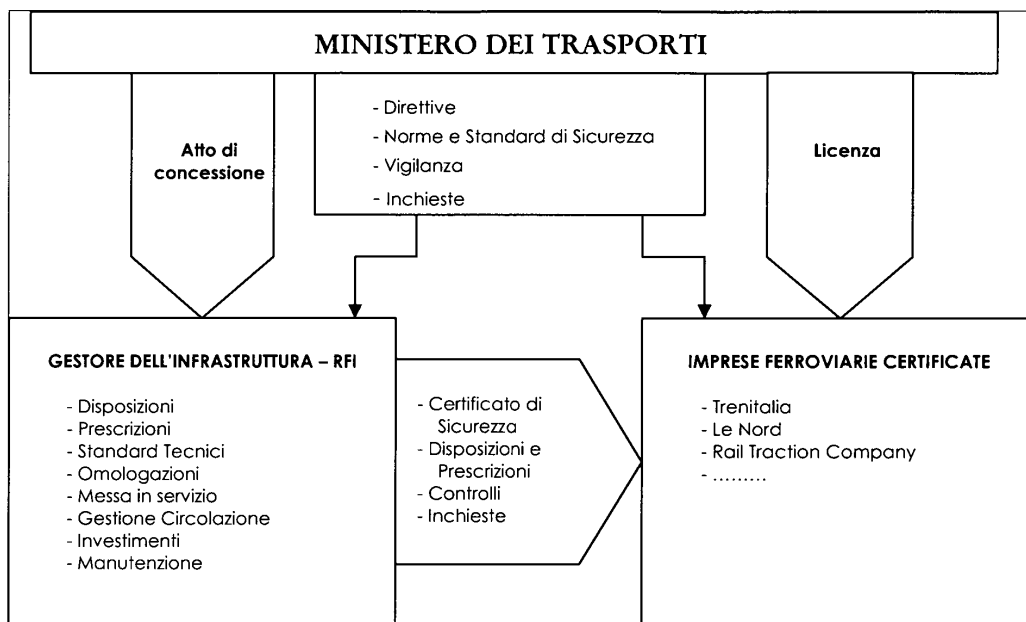


Allegato B: Organizzazione del sistema ferroviario italiano

PAGINA BIANCA

SISTEMA FERROVIARIO ITALIANO



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Allegato C: Dati sugli Indicatori Comuni di Sicurezza

Allegato C1: Indicatori Comuni di Sicurezza della Direttiva
2004/49/CE

Allegato C.2: Elenco degli incidenti raccolti per l'elaborazione
degli Indicatori Comuni di Sicurezza della Direttiva
2004/49/CE anno 2007 avvenuti sull'Infrastruttura
Ferroviaria Nazionale

Allegato C.3: Rapporti caratteristici di incidentalità UIC

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Allegato C1: Indicatori Comuni di Sicurezza della Direttiva
2004/49/CE

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Allegato C.1 Indicatori Comuni di Sicurezza della Direttiva 2004/49/CE

The following text describes the areas of applicability of each field of the sheet "Description"

- ▣ The data reported in the following fields refer to all the railway system defined by the 2004/49/EC (isolated railway, metro and tram excluded)
 - 2-7 ;
 - 17-23;
 - 31-37;
 - 52-58;
 - 66-72;
 - 80-86;
 - 94-100;
 - 108-114;
 - 122-128;
 - 143-149;
 - 157-163;
 - 171-177;
 - 185-191;
 - 227, 229
 - 232-234;
- ▣ The data reported in the following fields refer to the network managed by RFI.
 - 8;
 - 199-205;
 - 223;
 - 225-226;
 - 230,231;
 - 235;

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Guidelines for data transmission and file formats				
Field number	Data Code	Description of data	Data format	Example of data
0. Reporting country details				
01	CC	Reporting country	the two-letter ISO code should be used (ISO 3166 alpha-2), except for Greece and the United Kingdom, for which the abbreviations EL and UK are recommended	Italy
02	YY	Reporting year	Format: YYYY, four digits number	2007
1.1.a. Total number of accidents and a break-down into the following types of accidents				Used definition
1	N00	Total Number of all accident	Numeric value	130
2	N01	Number of Collisions of trains, including collisions with obstacles within the clearance gauge	Numeric value	4
3	N02	Number of Derailments of trains	Numeric value	10
4	N03	Number of Level-crossing accidents, including accidents involving pedestrians at level-crossings	Numeric value	23
5	N04	Number of Accidents to persons caused by rolling stock in motion, with the exception of suicides	Numeric value	85
6	N05	Number of Fires in rolling stock	Numeric value	5
7	N06	Number of Other accidents	Numeric value	3
1.1.a. Total number of suicides				
8	N07	Number events: suicide	Numeric value	138
1.1.b. Relative to "million" train kilometres number of accidents and a break-down into the following types of accidents				
9	N10	Relative to train km Total Number of all accident	Numeric value (train km in million)	3,51E+02
10	N11	Relative to train km Number of Collisions of trains, including collisions with obstacles within the clearance gauge	Numeric value (train km in million)	1,08E+01
11	N12	Relative to train km Number of Derailments of trains	Numeric value (train km in million)	2,70E+01
12	N13	Relative to train km Number of Level-crossing accidents, including accidents involving pedestrians at level-crossings	Numeric value (train km in million)	6,22E+01
13	N14	Relative to train km Number of Accidents to persons caused by rolling stock in motion, with the exception of suicides	Numeric value (train km in million)	2,30E+02
14	N15	Relative to train km Number of Fires in rolling stock	Numeric value (train km in million)	1,35E+01
15	N16	Relative to train km Number of Other accidents	Numeric value (train km in million)	8,11E+00
1.1.b. Relative to "million" train kilometres number of suicides				
16	N17	Relative to train km Number events: suicide	Numeric value (train km in million)	3,73E+02
1.2.a. Total number of Persons seriously injured by type of accident divided into the following categories				Definition from safety directive 2004/49 or Reg. 1
17	TS00	Total number in all accident	Numeric value	40
18	TS01	In collisions of trains, including collisions with obstacles within the clearance gauge	Numeric value	1
19	TS02	In derailments of trains	Numeric value	0
20	TS03	In level-crossing accidents, including accidents involving pedestrians at level-crossings	Numeric value	4
21	TS04	In accidents to persons caused by rolling stock in motion, with the exception of suicides	Numeric value	34
22	TS05	In fires in rolling stock	Numeric value	0
23	TS06	In others	Numeric value	1
1.2.b. Relative to "million" train kilometres total number of Persons seriously injured by type of accident divided into the following categories				
24	TS10	Total number in all accident	Numeric value (train km in million)	1,08E+02
25	TS11	In collisions of trains, including collisions with obstacles within the clearance gauge	Numeric value (train km in million)	2,70E+00
26	TS12	In derailments of trains	Numeric value (train km in million)	0,00E+00
27	TS13	In level-crossing accidents, including accidents involving pedestrians at level-crossings	Numeric value (train km in million)	1,08E+01
28	TS14	In accidents to persons caused by rolling stock in motion, with the exception of suicides	Numeric value (train km in million)	9,19E+01
29	TS15	In fires in rolling stock	Numeric value (train km in million)	0,00E+00
30	TS16	In others	Numeric value (train km in million)	2,70E+00
1.2.a. Total number of Passengers seriously injured by type of accident divided into the following categories				Definition from safety directive 2004/49 or Reg. 1
31	PS00	Total number in all accident	Numeric value	10
32	PS01	In collisions of trains, including collisions with obstacles within the clearance gauge	Numeric value	0
33	PS02	In derailments of trains	Numeric value	0
34	PS03	In level-crossing accidents, including accidents involving pedestrians at level-crossings	Numeric value	0
35	PS04	In accidents to persons caused by rolling stock in motion, with the exception of suicides	Numeric value	10
36	PS05	In fires in rolling stock	Numeric value	0
37	PS06	In others	Numeric value	0
1.2.b. Relative to "million" train kilometres total number of Passengers seriously injured by type of accident divided into the following categories				
38	PS10	Total number in all accident	Numeric value (train km in million)	2,70E+01
39	PS11	In collisions of trains, including collisions with obstacles within the clearance gauge	Numeric value (train km in million)	0,00E+00
40	PS12	In derailments of trains	Numeric value (train km in million)	0,00E+00
41	PS13	In level-crossing accidents, including accidents involving pedestrians at level-crossings	Numeric value (train km in million)	0,00E+00
42	PS14	In accidents to persons caused by rolling stock in motion, with the exception of suicides	Numeric value (train km in million)	2,70E+01
43	PS15	In fires in rolling stock	Numeric value (train km in million)	0,00E+00
44	PS16	In others	Numeric value (train km in million)	0,00E+00
1.2.c. Relative to "billion" passenger kilometres total number of Passengers seriously injured by type of accident divided into the following categories				
45	PS20	Total number in all accident	Numeric value (pass. km in billion)	2,04E-01
46	PS21	In collisions of trains, including collisions with obstacles within the clearance gauge	Numeric value (pass. km in billion)	0,00E+00
47	PS22	In derailments of trains	Numeric value (pass. km in billion)	0,00E+00
48	PS23	In level-crossing accidents, including accidents involving pedestrians at level-crossings	Numeric value (pass. km in billion)	0,00E+00

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Field number	Data Code	Description of data	Data format	Example of data	
49	PS24	In accidents to persons caused by rolling stock in motion, with the exception of suicides	Numeric value (pass. km in billion)	2,04E-01	
50	PS25	In fires in rolling stock	Numeric value (pass. km in billion)	0,00E+00	
51	PS26	In others	Numeric value (pass. km in billion)	0,00E+00	
1.2a. Total number of Employees including the staff of contractors seriously injured by type of accident divided into the following categories					Definition from safety directive 2004/49 or Reg. ▼
52	SS00	Total number in all accident	Numeric value	5	
53	SS01	In collisions of trains, including collisions with obstacles within the clearance gauge	Numeric value	1	
54	SS02	In derailments of trains	Numeric value	0	
55	SS03	In level-crossing accidents, including accidents involving pedestrians at level-crossings	Numeric value	0	
56	SS04	In accidents to persons caused by rolling stock in motion, with the exception of suicides	Numeric value	3	
57	SS05	In fires in rolling stock	Numeric value	0	
58	SS06	In others	Numeric value	1	
1.2b. Relative to "million" train kilometres total number of Employees including the staff of contractors seriously injured by type of accident divided into the following categories					
59	SS10	Total number in all accident	Numeric value (train km in million)	1,35E+01	
60	SS11	In collisions of trains, including collisions with obstacles within the clearance gauge	Numeric value (train km in million)	2,70E+00	
61	SS12	In derailments of trains	Numeric value (train km in million)	0,00E+00	
62	SS13	In level-crossing accidents, including accidents involving pedestrians at level-crossings	Numeric value (train km in million)	0,00E+00	
63	SS14	In accidents to persons caused by rolling stock in motion, with the exception of suicides	Numeric value (train km in million)	8,11E+00	
64	SS15	In fires in rolling stock	Numeric value (train km in million)	0,00E+00	
65	SS16	In others	Numeric value (train km in million)	2,70E+00	
1.2a. Total number of Level-crossing users seriously injured by type of accident divided into the following categories					Definition from safety directive 2004/49 or Reg. ▼
66	LS00	Total number in all accident	Numeric value	4	
67	LS01	In collisions of trains, including collisions with obstacles within the clearance gauge	Numeric value	0	
68	LS02	In derailments of trains	Numeric value	0	
69	LS03	In level-crossing accidents, including accidents involving pedestrians at level-crossings	Numeric value	4	
70	LS04	In accidents to persons caused by rolling stock in motion, with the exception of suicides	Numeric value	0	
71	LS05	In fires in rolling stock	Numeric value	0	
72	LS06	In others	Numeric value	0	

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Field number	Data Code	Description of data	Data format	Example of data
1.2b. Relative to "million" train kilometres total number of Level-crossing users seriously injured by type of accident divided into the following categories				
73	LS10	Total number in all accident	Numeric value (train km in million)	1,08E+01
74	LS11	In collisions of trains, including collisions with obstacles within the clearance gauge	Numeric value (train km in million)	0,00E+00
75	LS12	In derailments of trains	Numeric value (train km in million)	0,00E+00
76	LS13	In level-crossing accidents, including accidents involving pedestrians at level-crossings	Numeric value (train km in million)	1,08E+01
77	LS14	In accidents to persons caused by rolling stock in motion, with the exception of suicides	Numeric value (train km in million)	0,00E+00
78	LS15	In fires in rolling stock	Numeric value (train km in million)	0,00E+00
79	LS16	In others	Numeric value (train km in million)	0,00E+00
1.2a. Total number of Unauthorised persons seriously injured by type of accident divided into the following categories				
Definition from safety directive 2004/49 or Reg. ▼				
80	US00	Total number in all accident	Numeric value	21
81	US01	In collisions of trains, including collisions with obstacles within the clearance gauge	Numeric value	0
82	US02	In derailments of trains	Numeric value	0
83	US03	In level-crossing accidents, including accidents involving pedestrians at level-crossings	Numeric value	0
84	US04	In accidents to persons caused by rolling stock in motion, with the exception of suicides	Numeric value	21
85	US05	In fires in rolling stock	Numeric value	0
86	US06	In others	Numeric value	0
1.2b. Relative to "million" train kilometres total Total number of Unauthorised persons seriously injured by type of accident divided into the following categories				
87	US10	Total number in all accident	Numeric value (train km in million)	5,68E+01
88	US11	In collisions of trains, including collisions with obstacles within the clearance gauge	Numeric value (train km in million)	0,00E+00
89	US12	In derailments of trains	Numeric value (train km in million)	0,00E+00
90	US13	In level-crossing accidents, including accidents involving pedestrians at level-crossings	Numeric value (train km in million)	0,00E+00
91	US14	In accidents to persons caused by rolling stock in motion, with the exception of suicides	Numeric value (train km in million)	5,68E+01
92	US15	In fires in rolling stock	Numeric value (train km in million)	0,00E+00
93	US16	In others	Numeric value (train km in million)	0,00E+00
1.2a. Total number of Other persons seriously injured by type of accident divided into the following categories				
Definition from safety directive 2004/49 or Reg. ▼				
94	OS00	Total number in all accident	Numeric value	0
95	OS01	In collisions of trains, including collisions with obstacles within the clearance gauge	Numeric value	0
96	OS02	In derailments of trains	Numeric value	0
97	OS03	In level-crossing accidents, including accidents involving pedestrians at level-crossings	Numeric value	0
98	OS04	In accidents to persons caused by rolling stock in motion, with the exception of suicides	Numeric value	0
99	OS05	In fires in rolling stock	Numeric value	0
100	OS06	In others	Numeric value	0
1.2b. Relative to "million" train kilometres total number of Other persons seriously injured by type of accident divided into the following categories				
101	OS10	Total number in all accident	Numeric value (train km in million)	0,00E+00
102	OS11	In collisions of trains, including collisions with obstacles within the clearance gauge	Numeric value (train km in million)	0,00E+00
103	OS12	In derailments of trains	Numeric value (train km in million)	0,00E+00
104	OS13	In level-crossing accidents, including accidents involving pedestrians at level-crossings	Numeric value (train km in million)	0,00E+00
105	OS14	In accidents to persons caused by rolling stock in motion, with the exception of suicides	Numeric value (train km in million)	0,00E+00
106	OS15	In fires in rolling stock	Numeric value (train km in million)	0,00E+00
107	OS16	In others	Numeric value (train km in million)	0,00E+00
1.3a. Total number of Persons killed by type of accident divided into the following categories				
Definition from safety directive 2004/49 or Reg. ▼				
108	TK00	Total number in all accident	Numeric value	68
109	TK01	In collisions of trains, including collisions with obstacles within the clearance gauge	Numeric value	1
110	TK02	In derailments of trains	Numeric value	0
111	TK03	In level-crossing accidents, including accidents involving pedestrians at level-crossings	Numeric value	16
112	TK04	In accidents to persons caused by rolling stock in motion, with the exception of suicides	Numeric value	51
113	TK05	In fires in rolling stock	Numeric value	0
114	TK06	In others	Numeric value	0
1.3b. Relative to "million" train kilometres total number of Persons killed by type of accident divided into the following categories				
115	TK10	Total number in all accident	Numeric value (train km in million)	1,84E+02
116	TK11	In collisions of trains, including collisions with obstacles within the clearance gauge	Numeric value (train km in million)	2,70E+00
117	TK12	In derailments of trains	Numeric value (train km in million)	0,00E+00
118	TK13	In level-crossing accidents, including accidents involving pedestrians at level-crossings	Numeric value (train km in million)	4,32E+01
119	TK14	In accidents to persons caused by rolling stock in motion, with the exception of suicides	Numeric value (train km in million)	1,38E+02
120	TK15	In fires in rolling stock	Numeric value (train km in million)	0,00E+00
121	TK16	In others	Numeric value (train km in million)	0,00E+00
1.3a. Total number of Passengers killed by type of accident divided into the following categories				
122	PK00	Total number in all accident	Numeric value	5
123	PK01	In collisions of trains, including collisions with obstacles within the clearance gauge	Numeric value	0
124	PK02	In derailments of trains	Numeric value	0
125	PK03	In level-crossing accidents, including accidents involving pedestrians at level-crossings	Numeric value	0
126	PK04	In accidents to persons caused by rolling stock in motion, with the exception of suicides	Numeric value	5
127	PK05	In fires in rolling stock	Numeric value	0
128	PK06	In others	Numeric value	0
1.3b. Relative to "million" train kilometres total number of Passengers killed by type of accident divided into the following categories				

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Field number	Data Code	Description of data	Data format	Example of data
129	PK10	Total number in all accident	Numeric value (train km in million)	1,35E+01
130	PK11	In collisions of trains, including collisions with obstacles within the clearance gauge	Numeric value (train km in million)	0,00E+00
131	PK12	In derailments of trains	Numeric value (train km in million)	0,00E+00
132	PK13	In level-crossing accidents, including accidents involving pedestrians at level-crossings	Numeric value (train km in million)	0,00E+00
133	PK14	In accidents to persons caused by rolling stock in motion, with the exception of suicides	Numeric value (train km in million)	1,35E+01
134	PK15	In fires in rolling stock	Numeric value (train km in million)	0,00E+00
135	PK16	In others	Numeric value (train km in million)	0,00E+00
I.3c. Relative to "billion" passenger kilometres total number of Passengers killed by type of accident divided into the following categories				
136	PK20	Total number in all accident	Numeric value (pass. km in billion)	1,02E-01
137	PK21	In collisions of trains, including collisions with obstacles within the clearance gauge	Numeric value (pass. km in billion)	0,00E+00
138	PK22	In derailments of trains	Numeric value (pass. km in billion)	0,00E+00
139	PK23	In level-crossing accidents, including accidents involving pedestrians at level-crossings	Numeric value (pass. km in billion)	0,00E+00
140	PK24	In accidents to persons caused by rolling stock in motion, with the exception of suicides	Numeric value (pass. km in billion)	1,02E-01
141	PK25	In fires in rolling stock	Numeric value (pass. km in billion)	0,00E+00
142	PK26	In others	Numeric value (pass. km in billion)	0,00E+00
I.3a. Total number of Employees including the staff of contractors killed by type of accident divided into the following categories				
143	SK00	Total number in all accident	Numeric value	3
144	SK01	In collisions of trains, including collisions with obstacles within the clearance gauge	Numeric value	0
145	SK02	In derailments of trains	Numeric value	0
146	SK03	In level-crossing accidents, including accidents involving pedestrians at level-crossings	Numeric value	0
147	SK04	In accidents to persons caused by rolling stock in motion, with the exception of suicides	Numeric value	3
148	SK05	In fires in rolling stock	Numeric value	0
149	SK06	In others	Numeric value	0
I.3b. Relative to "million" train kilometres total number of Employees including the staff of contractors killed by type of accident divided into the following categories				
150	SK10	Total number in all accident	Numeric value (train km in million)	8,11E+00
151	SK11	In collisions of trains, including collisions with obstacles within the clearance gauge	Numeric value (train km in million)	0,00E+00
152	SK12	In derailments of trains	Numeric value (train km in million)	0,00E+00
153	SK13	In level-crossing accidents, including accidents involving pedestrians at level-crossings	Numeric value (train km in million)	0,00E+00
154	SK14	In accidents to persons caused by rolling stock in motion, with the exception of suicides	Numeric value (train km in million)	8,11E+00
155	SK15	In fires in rolling stock	Numeric value (train km in million)	0,00E+00
156	SK16	In others	Numeric value (train km in million)	0,00E+00

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Field number	Data Code	Description of data	Data format	Example of data	
1.3a. Total number of Level-crossing users killed by type of accident divided into the following categories					
157	LK00	Total number in all accident	Numeric value	16	
158	LK01	In collisions of trains, including collisions with obstacles within the clearance gauge	Numeric value	0	
159	LK02	In derailments of trains	Numeric value	0	
160	LK03	In level-crossing accidents, including accidents involving pedestrians at level-crossings	Numeric value	16	
161	LK04	In accidents to persons caused by rolling stock in motion, with the exception of suicides	Numeric value	0	
162	LK05	In fires in rolling stock	Numeric value	0	
163	LK06	In others	Numeric value	0	
1.3b. Relative to "million" train kilometres total number of Level-crossing users killed by type of accident divided into the following categories					
164	LK10	Total number in all accident	Numeric value (train km in million)	4,32E+01	
165	LK11	In collisions of trains, including collisions with obstacles within the clearance gauge	Numeric value (train km in million)	0,00E+00	
166	LK12	In derailments of trains	Numeric value (train km in million)	0,00E+00	
167	LK13	In level-crossing accidents, including accidents involving pedestrians at level-crossings	Numeric value (train km in million)	4,32E+01	
168	LK14	In accidents to persons caused by rolling stock in motion, with the exception of suicides	Numeric value (train km in million)	0,00E+00	
169	LK15	In fires in rolling stock	Numeric value (train km in million)	0,00E+00	
170	LK16	In others	Numeric value (train km in million)	0,00E+00	
1.3a. Total number of Unauthorised persons killed by type of accident divided into the following categories					
171	UK00	Total number in all accident	Numeric value	44	
172	UK01	In collisions of trains, including collisions with obstacles within the clearance gauge	Numeric value	1	
173	UK02	In derailments of trains	Numeric value	0	
174	UK03	In level-crossing accidents, including accidents involving pedestrians at level-crossings	Numeric value	0	
175	UK04	In accidents to persons caused by rolling stock in motion, with the exception of suicides	Numeric value	43	
176	UK05	In fires in rolling stock	Numeric value	0	
177	UK06	In others	Numeric value	0	
1.3b. Relative to "million" train kilometres total Total number of Unauthorised persons killed by type of accident divided into the following categories					
178	UK10	Total number in all accident	Numeric value (train km in million)	1,19E+02	
179	UK11	In collisions of trains, including collisions with obstacles within the clearance gauge	Numeric value (train km in million)	2,70E+00	
180	UK12	In derailments of trains	Numeric value (train km in million)	0,00E+00	
181	UK13	In level-crossing accidents, including accidents involving pedestrians at level-crossings	Numeric value (train km in million)	0,00E+00	
182	UK14	In accidents to persons caused by rolling stock in motion, with the exception of suicides	Numeric value (train km in million)	1,16E+02	
183	UK15	In fires in rolling stock	Numeric value (train km in million)	0,00E+00	
184	UK16	In others	Numeric value (train km in million)	0,00E+00	
1.3a. Total number of Other persons killed by type of accident divided into the following categories					
185	OK00	Total number in all accident	Numeric value	0	
186	OK01	In collisions of trains, including collisions with obstacles within the clearance gauge	Numeric value	0	
187	OK02	In derailments of trains	Numeric value	0	
188	OK03	In level-crossing accidents, including accidents involving pedestrians at level-crossings	Numeric value	0	
189	OK04	In accidents to persons caused by rolling stock in motion, with the exception of suicides	Numeric value	0	
190	OK05	In fires in rolling stock	Numeric value	0	
191	OK06	In others	Numeric value	0	
1.3b. Relative to "million" train kilometres total number of Other persons killed by type of accident divided into the following categories					
192	OK10	Total number in all accident	Numeric value (train km in million)	0,00E+00	
193	OK11	In collisions of trains, including collisions with obstacles within the clearance gauge	Numeric value (train km in million)	0,00E+00	
194	OK12	In derailments of trains	Numeric value (train km in million)	0,00E+00	
195	OK13	In level-crossing accidents, including accidents involving pedestrians at level-crossings	Numeric value (train km in million)	0,00E+00	
196	OK14	In accidents to persons caused by rolling stock in motion, with the exception of suicides	Numeric value (train km in million)	0,00E+00	
197	OK15	In fires in rolling stock	Numeric value (train km in million)	0,00E+00	
198	OK16	In others	Numeric value (train km in million)	0,00E+00	
2.1a. Total number of incidents and near-misses and a break-down into the following types					
199	I00	Total number of incidents and near-misses	Numeric value	3559	
200	I01	Total number of broken rails	Numeric value	430	Definition from safety directive 2004/49 or Reg. ▼
201	I02	Total number of track buckles	Numeric value	3113	Definition from safety directive 2004/49 or Reg. ▼
202	I03	Total number of wrong-side signalling failures	Numeric value	0	Definition from safety directive 2004/49 or Reg. ▼
203	I04	Total number of signals passed at danger	Numeric value	15	Definition from safety directive 2004/49 or Reg. ▼
204	I05	Total number of broken wheels on rolling stock in service	Numeric value	0	Definition from safety directive 2004/49 or Reg. ▼
205	I06	Total number of broken axles on rolling stock in service	Numeric value	1	Definition from safety directive 2004/49 or Reg. ▼
2.1b. Relative to "million" train kilometres number of incidents and near-misses and a break-down into the following types of accidents					
206	I10	Total number of incidents and near-misses	Numeric value (train km in million)	9,62E+03	
207	I11	Total number of broken rails	Numeric value (train km in million)	1,16E+03	
208	I12	Total number of track buckles	Numeric value (train km in million)	8,41E+03	
209	I13	Total number of wrong-side signalling failures	Numeric value (train km in million)	0,00E+00	
210	I14	Total number of signals passed at danger	Numeric value (train km in million)	4,05E+01	
211	I15	Total number of broken wheels on rolling stock in service	Numeric value (train km in million)	0,00E+00	
212	I16	Total number of broken axles on rolling stock in service	Numeric value (train km in million)	2,70E+00	
3.1a. Total costs in euro of all accidents					