

XVI LEGISLATURA – DISEGNI DI LEGGE E RELAZIONI - DOCUMENTI

Guidelines for data transmission and file formats ver.2010				
Version 2011-07-25				
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	IT
02	YY	Reporting year	8	2010
1.1a. Total number of accidents and a break-down into the following types of accidents				
1	N00	Total Number of all accident	Numeric value	103
2	N01	Number of Collisions of trains, including collisions with obstacles within the clearance gauge	Numeric value	2
3	N02	Number of Derailments of trains	Numeric value	3
4	N03	Number of Level-crossing accidents, including accidents involving pedestrians at level-crossings	Numeric value	15
5	N04	Number of Accidents to persons caused by rolling stock in motion, with the exception of suicides	Numeric value	80
6	N05	Number of Fires in rolling stock	Numeric value	0
7	N06	Number of Other accidents	Numeric value	3
1.2a. Total number of suicides				
15	N07	Number of events: suicide	Numeric value	109
1.3a. Total number of accidents involving the transport of dangerous goods divided into the following categories				
17	N18	Total number of accidents involving at least one railway vehicle transporting dangerous goods	Numeric value	5
18	N19	Number of accidents involving at least one railway vehicle transporting dangerous goods in which dangerous goods are NOT released	Numeric value	0
19	N20	Number of accidents involving at least one railway vehicle transporting dangerous goods in which dangerous goods ARE released	Numeric value	5
2.1a. Total number of Persons seriously injured by type of accident divided into the following categories				
23	TS00	Total number in all accidents	Numeric value	32
24	TS01	In collisions of trains, including collisions with obstacles within the clearance gauge	Numeric value	1
25	TS02	In derailments of trains	Numeric value	0
26	TS03	In level-crossing accidents, including accidents involving pedestrians at level-crossings	Numeric value	4
27	TS04	In accidents to persons caused by rolling stock in motion, with the exception of suicides	Numeric value	25
28	TS05	In fires in rolling stock	Numeric value	0
29	TS06	In others	Numeric value	2
2.2a. Total number of Passengers seriously injured by type of accident divided into the following categories				
37	PS00	Total number in all accidents	Numeric value	6
38	PS01	In collisions of trains, including collisions with obstacles within the clearance gauge	Numeric value	0
39	PS02	In derailments of trains	Numeric value	0
40	PS03	In level-crossing accidents, including accidents involving pedestrians at level-crossings	Numeric value	0
41	PS04	In accidents to persons caused by rolling stock in motion, with the exception of suicides	Numeric value	6
42	PS05	In fires in rolling stock	Numeric value	0
43	PS06	In others	Numeric value	0
2.3a. Total number of Employees including the staff of contractors seriously injured by type of accident divided into the following categories				
65	SS00	Total number in all accidents	Numeric value	5
66	SS01	In collisions of trains, including collisions with obstacles within the clearance gauge	Numeric value	1
67	SS02	In derailments of trains	Numeric value	0
68	SS03	In level-crossing accidents, including accidents involving pedestrians at level-crossings	Numeric value	1
69	SS04	In accidents to persons caused by rolling stock in motion, with the exception of suicides	Numeric value	1
70	SS05	In fires in rolling stock	Numeric value	0
71	SS06	In others	Numeric value	2
2.4a. Total number of Level-crossing users seriously injured by type of accident divided into the following categories				
79	LS00	Total number in all accidents	Numeric value	3
80	LS01	In collisions of trains, including collisions with obstacles within the clearance gauge	Numeric value	0
81	LS02	In derailments of trains	Numeric value	0
82	LS03	In level-crossing accidents, including accidents involving pedestrians at level-crossings	Numeric value	3
83	LS04	In accidents to persons caused by rolling stock in motion, with the exception of suicides	Numeric value	0
84	LS05	In fires in rolling stock	Numeric value	0
85	LS06	In others	Numeric value	0
2.5a. Total number of Unauthorised persons seriously injured by type of accident divided into the following categories				
93	US00	Total number in all accidents	Numeric value	18
94	US01	In collisions of trains, including collisions with obstacles within the clearance gauge	Numeric value	0
95	US02	In derailments of trains	Numeric value	0
96	US03	In level-crossing accidents, including accidents involving pedestrians at level-crossings	Numeric value	0
97	US04	In accidents to persons caused by rolling stock in motion, with the exception of suicides	Numeric value	18
98	US05	In fires in rolling stock	Numeric value	0
99	US06	In others	Numeric value	0
2.6a. Total number of Other persons seriously injured by type of accident divided into the following categories				
107	OS00	Total number in all accidents	Numeric value	0

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number	Data Code	Description of data	Data format	Example of data
108	OS01	In collisions of trains, including collisions with obstacles within the clearance gauge	Numeric value	0
109	OS02	In derailments of trains	Numeric value	0
110	OS03	In level-crossing accidents, including accidents involving pedestrians at level-crossings	Numeric value	0
111	OS04	In accidents to persons caused by rolling stock in motion, with the exception of suicides	Numeric value	0
112	OS05	In fires in rolling stock	Numeric value	0
113	OS06	In others	Numeric value	0
3.1a. Total number of Persons killed by type of accident divided into the following categories				
121	TK00	Total number in all accidents	Numeric value	71
122	TK01	In collisions of trains, including collisions with obstacles within the clearance gauge	Numeric value	0
123	TK02	In derailments of trains	Numeric value	0
124	TK03	In level-crossing accidents, including accidents involving pedestrians at level-crossings	Numeric value	11
125	TK04	In accidents to persons caused by rolling stock in motion, with the exception of suicides	Numeric value	60
126	TK05	In fires in rolling stock	Numeric value	0
127	TK06	In others	Numeric value	0
3.2a. Total number of Passengers killed by type of accident divided into the following categories				
135	PK00	Total number in all accidents	Numeric value	7
136	PK01	In collisions of trains, including collisions with obstacles within the clearance gauge	Numeric value	0
137	PK02	In derailments of trains	Numeric value	0
138	PK03	In level-crossing accidents, including accidents involving pedestrians at level-crossings	Numeric value	0
139	PK04	In accidents to persons caused by rolling stock in motion, with the exception of suicides	Numeric value	7
140	PK05	In fires in rolling stock	Numeric value	0
141	PK06	In others	Numeric value	0
3.3a. Total number of Employees including the staff of contractors killed by type of accident divided into the following categories				
163	SK00	Total number in all accidents	Numeric value	5
164	SK01	In collisions of trains, including collisions with obstacles within the clearance gauge	Numeric value	0
165	SK02	In derailments of trains	Numeric value	0
166	SK03	In level-crossing accidents, including accidents involving pedestrians at level-crossings	Numeric value	0
167	SK04	In accidents to persons caused by rolling stock in motion, with the exception of suicides	Numeric value	5
168	SK05	In fires in rolling stock	Numeric value	0
169	SK06	In others	Numeric value	0

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number	Data Code	Description of data	Data format	Example of data
3.4a. Total number of Level-crossing users killed by type of accident divided into the following categories				
177	LK00	Total number in all accidents	Numeric value	11
178	LK01	In collisions of trains, including collisions with obstacles within the clearance gauge	Numeric value	0
179	LK02	In derailments of trains	Numeric value	0
180	LK03	In level-crossing accidents, including accidents involving pedestrians at level-crossings	Numeric value	11
181	LK04	In accidents to persons caused by rolling stock in motion, with the exception of suicides	Numeric value	0
182	LK05	In fires in rolling stock	Numeric value	0
183	LK06	In others	Numeric value	0
3.5a. Total number of Unauthorised persons killed by type of accident divided into the following categories				
191	UK00	Total number in all accidents	Numeric value	48
192	UK01	In collisions of trains, including collisions with obstacles within the clearance gauge	Numeric value	0
193	UK02	In derailments of trains	Numeric value	0
194	UK03	In level-crossing accidents, including accidents involving pedestrians at level-crossings	Numeric value	0
195	UK04	In accidents to persons caused by rolling stock in motion, with the exception of suicides	Numeric value	48
196	UK05	In fires in rolling stock	Numeric value	0
197	UK06	In others	Numeric value	0
3.6a. Total number of Other persons killed by type of accident divided into the following categories				
205	OK00	Total number in all accidents	Numeric value	0
206	OK01	In collisions of trains, including collisions with obstacles within the clearance gauge	Numeric value	0
207	OK02	In derailments of trains	Numeric value	0
208	OK03	In level-crossing accidents, including accidents involving pedestrians at level-crossings	Numeric value	0
209	OK04	In accidents to persons caused by rolling stock in motion, with the exception of suicides	Numeric value	0
210	OK05	In fires in rolling stock	Numeric value	0
211	OK06	In others	Numeric value	0
4.1a. Total number of events relating to precursors of accidents and a break-down into the following types				
219	I00	Total number of precursors	Numeric value	958
220	I01	Total number of broken rails	Numeric value	368
221	I02	Total number of track buckles	Numeric value	573
222	I03	Total number of wrong-side signalling failures	Numeric value	1
223	I04	Total number of signals passed at danger	Numeric value	10
224	I05	Total number of broken wheels on rolling stock in service	Numeric value	5
225	I06	Total number of broken axles on rolling stock in service	Numeric value	1
5.1a. Indicators to calculate the economic impact of accidents				
233	C00	Economic impact of ALL accidents	Numeric value in €	-
234	C10	Economic impact of significant accidents ONLY	Numeric value in €	123092111
235	C01	Economic impact of fatalities	Numeric value in €	101545844
236	C02	Economic impact of serious injuries	Numeric value in €	5879317
As a result of ALL accidents				
237	C03	Cost of material damages to rolling stock or infrastructure (all accidents)	Numeric value in €	
238	C07	Cost of damage to the environment (all accidents)	Numeric value in €	
239	C04	Cost of delays as a consequence of all accidents	Numeric value in €	0
240	C05	Minutes of delays of passenger trains (all accidents)	Numeric value (minutes)	
241	C06	Minutes of delays of freight trains (all accidents)	Numeric value (minutes)	
As a result of significant accidents ONLY				
242	C13	Cost of material damages to rolling stock or infrastructure (significant accidents)	Numeric value in €	6.380.000,00
243	C17	Cost of damage to the environment (significant accidents)	Numeric value in €	0,000
244	C14	Cost of delays as a consequence of significant accidents	Numeric value in €	9286949
245	C15	Minutes of delays of passenger trains (significant accidents)	Numeric value (minutes)	81038
246	C16	Minutes of delays of freight trains (significant accidents)	Numeric value (minutes)	28426
6.1a. Indicators relating to technical safety of infrastructure and its implementation				
255	T01	Percentage of tracks with Automatic Train Protection (ATP) in operation	Numeric value (%) (67% = 0.67)	100,00%
256	T02	Percentage of train kilometres using operational ATP systems	Numeric value (%)	92,69%
257	T03	Total number of level crossings (active and passive)	Numeric value	5683
258	T06	Total number of active level crossings	Numeric value	4583
259	T07	with automatic user-side warning	Numeric value	60
260	T08	with automatic user-side protection	Numeric value	4
261	T09	with automatic user-side protection and warning	Numeric value	4218
262	T10	with automatic user-side protection and warning, and rail-side protection	Numeric value	294
263	T11	with manual user-side warning	Numeric value	0
264	T12	with manual user-side protection	Numeric value	3
265	T13	with manual user-side protection and warning	Numeric value	4
266	T14	Total number of passive level crossings	Numeric value	1100
7. Indicators relating to the management of safety				
287	A01	Total number of accomplished audits	Numeric value	2223

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288	A02	Percentage of audits accomplished /required (and/or planned).	Numeric value (%)	80,19%
8. Reference data traffic and infrastructure				
289	R01	Total number of Train km	Numeric value (in million Train*km)	323,955
290	R02	Number of Passenger km	Numeric value (in million Passenger*km)	43473,624
291	R05	Number of Passenger train km	Numeric value (in million Train*km)	280,322
292	R06	Number of Freight train km	Numeric value (in million Train*km)	43,633
293	R04	Number of Other train km	Numeric value (in million Train*km)	0,000
294	R07	Number of Freight tonne km	Numeric value (in million tonne*km)	19563,535
295	R08	Number of line kilometres (double track lines are to be counted ONCE)	Numeric value (in km)	16794,000
296	R03	Number of track kilometres (double track lines are to be counted TWICE)	Numeric value (in km)	24370,000
9. Reference data for economic indicators				
297	R09	Average percentage of work passengers per year	Numeric value (%)	35%
298	R10	Average percentage of non-work passengers per year	Numeric value (%)	65%
299	R11	National value of preventing a fatality	Numeric value in €	1.430.223,16
300	R12	National value of preventing a serious injury	Numeric value in €	183.728,07
301	R13	National value of time for a work passenger of a train (an hour)	Numeric value in €	
302	R14	National value of time for a non-work passenger of a train (an hour)	Numeric value in €	
303	R15	National value of time for a tonne freight (an hour)	Numeric value in €	
304	R16	Fall back value of preventing a fatality	Numeric value in €	1612687,22
305	R17	Fall back value of preventing a serious injury	Numeric value in €	207168,28
306	R18	Fall back value of time for a work passenger of a train (an hour)	Numeric value in €	28,90
307	R19	Fall back value of time for a non-work passenger of a train (an hour)	Numeric value in €	9,63
308	R20	Fall back value of time for a tonne freight (an hour)	Numeric value in €	1,47

Allegato C.2: Elenco degli incidenti raccolti per l'elaborazione degli Indicatori Comuni di Sicurezza della Direttiva 2004/49/CE anno 2010 avvenuti sull'Infrastruttura Ferroviaria Nazionale

Elenco degli incidenti raccolti per l'elaborazione degli Indicatori Comuni di Sicurezza della Direttiva 2004/49/CE anno 2010 avvenuti sull'Infrastruttura Ferroviaria Nazionale gestita da RFI															
1 numero progressivo	2 data	3 localizzazione	4 tipologia di incidente/ inconvenienti	5 causa dell'evento	6 classificazione ERA	7 passeggeri		8 personale comprese le ditte		9 utenti dei passaggi a livello		10 persone non autorizzate		11 altri	
						morti	feriti	morti	feriti	morti	feriti	morti	feriti	morti	feriti
1	01/11/2010	San Remo - Bordighera	Urto di treni contro frane, massi, alberi ingombranti il binario	Frane/massi/alberi ingombranti la sede ferroviaria	collisione di treni	0	0	0	1	0	0	0	0	0	0
2	17/11/2010	CONTURSI TERME- CAMPAGNA SERRE PERSANO	Urto di treni contro frane, massi, alberi ingombranti il binario	Frane/massi/alberi ingombranti la sede ferroviaria	collisione di treni	0	0	0	0	0	0	0	0	0	0
3	26/1/2010	SECUGNAGO-LODI	Svio di mezzo di trazione o rotabili in composizione treno	Irregolarità alla geometria del binario (sobbalzi/slineamento/r otaia rotta) o alla sede/infrastruttura	deragliamento di treni	0	0	0	0	0	0	0	0	0	0
4	10/02/2010	MACCARESE	Svio di mezzo di trazione o rotabili in composizione treno	Difettosità/usura meccanica o elettrica del materiale rotabile/mezzo di trazione	deragliamento di treni	0	0	0	0	0	0	0	0	0	0
5	15/10/2010	CUNEO-BIVIO MADONNA DELL'OLMO	Svio di mezzo di trazione o rotabili in composizione treno	Arrivo/partenza di un treno senza accertamenti	deragliamento di treni	0	0	0	0	0	0	0	0	0	0
6	9/4/2010	RECCO	Urto di mezzi speciali contro altri ostacoli	Irregolari movimenti di manovra	altri tipi d'incidenti	0	0	0	1	0	0	0	0	0	0
7	22/6/2010	RAPONE RUVO S.FELE S. TOMMASO DEL PIANO	Urto di mezzi speciali contro altri ostacoli	Eventi ambito interruzioni	altri tipi d'incidenti	0	0	0	1	0	0	0	0	0	0
8	21/9/2010	SILARIO	Svio di rotabili in manovra	Mancato accertamento di regolare posizione del deviatoio	altri tipi d'incidenti	0	0	0	0	0	0	0	0	0	0
9	5/1/2010	LUCCA-TASSIGNANO	Investimento di persone a PL chiuso (compreso i ciclisti)	PL (Indebito attraversamento da parte di persone o ciclisti)	incidenti ai passaggi a livello	0	0	0	0	1	0	0	0	0	0
10	24/3/2010	MODENA-SOLIERA MODENESE	Investimento di persone a PL chiuso (compreso i ciclisti)	PL (Indebito attraversamento da parte di persone o ciclisti)	incidenti ai passaggi a livello	0	0	0	0	1	0	0	0	0	0
11	27/3/2011	CREMA- MADIGNANO	Investimento di persone a PL chiuso (compreso i ciclisti)	PL (Indebito attraversamento da parte di persone o ciclisti)	incidenti ai passaggi a livello	0	0	0	0	1	0	0	0	0	0
12	27/3/2012	MONZA-ARCORE	Investimento di persone a PL chiuso (compreso i ciclisti)	PL (Indebito attraversamento da parte di persone o ciclisti)	incidenti ai passaggi a livello	0	0	0	0	0	1	0	0	0	0
13	06/05/2010	CIVATE-SALA AL BARRO-GALBIATE	Investimento di persone a PL chiuso (compreso i ciclisti)	PL (Indebito attraversamento da parte di persone o ciclisti)	incidenti ai passaggi a livello	0	0	0	0	1	0	0	0	0	0

Elenco degli incidenti raccolti per l'elaborazione degli Indicatori Comuni di Sicurezza della Direttiva 2004/49/CE anno 2010 avvenuti sull'Infrastruttura Ferroviaria Nazionale gestita da RFI															
1	2	3	4	5	6	7		8		9		10		11	
numero progressivo	data	localizzazione	tipologia di incidente/ inconvenienti	causa dell'evento	classificazione ERA	passeggeri		personale comprese le ditte		utenti dei passaggi a livello		persone non autorizzate		altri	
						morti	feriti	morti	feriti	morti	feriti	morti	feriti	morti	feriti
14	11/6/2010	STRAMBINO	Investimento di persone a PL chiuso (compreso i ciclisti)	PL (Indebito attraversamento da parte di persone o ciclisti)	incidenti ai passaggi a livello	0	0	0	0	1	0	0	0	0	0
15	1/8/2010	ASSISI	Investimento di persone a PL chiuso (compreso i ciclisti)	PL (Indebito attraversamento da parte di persone o ciclisti)	incidenti ai passaggi a livello	0	0	0	0	0	1	0	0	0	0
16	10/8/2010	SACILE	Investimento di persone a PL chiuso (compreso i ciclisti)	PL (Indebito attraversamento da parte di persone o ciclisti)	incidenti ai passaggi a livello	0	0	0	0	1	0	0	0	0	0
17	4/9/2010	ASTI-MONGARDINO	Investimento di persone a PL chiuso (compreso i ciclisti)	Indebito attraversamento dei Binari	incidenti ai passaggi a livello	0	0	0	0	1	0	0	0	0	0
18	23/9/2010	ALFONSINE-VOLTANA	Investimento di persone a PL chiuso (compreso i ciclisti)	PL (Indebito attraversamento da parte di persone o ciclisti)	incidenti ai passaggi a livello	0	0	0	0	0	1	0	0	0	0
19	28/9/2010	ROCCA RAVINDOLA- VENAFRO	Urto di treni contro veicoli stradali a PL chiuso	PL (Indebito attraversamento/tallonamento da parte di veicoli)	incidenti ai passaggi a livello	0	0	0	0	1	0	0	0	0	0
20	29/9/2010	MADDALONI INFERIORE-BIVIO MADDALONI	Investimento di persone a PL chiuso (compreso i ciclisti)	PL (Indebito attraversamento da parte di persone o ciclisti)	incidenti ai passaggi a livello	0	0	0	0	1	0	0	0	0	0
21	10/10/2010	TORRE ANNUNZIATA CENTRALE-POMPEI	Investimento di persone a PL chiuso (compreso i ciclisti)	PL (Indebito attraversamento da parte di persone o ciclisti)	incidenti ai passaggi a livello	0	0	0	0	1	0	0	0	0	0
22	3/12/2010	DELIA-CANICATTI	Investimento di persone a PL chiuso (compreso i ciclisti)	PL (Indebito attraversamento da parte di persone o ciclisti)	incidenti ai passaggi a livello	0	0	0	1	0	0	0	0	0	0
23	13/12/2010	BAGNI DI TIVOLI- GUIDONIA- MONTECELLO- S.ANGELO	Urto di treni contro veicoli stradali a PL chiuso	PL (Indebito attraversamento/tallonamento da parte di veicoli)	incidenti ai passaggi a livello	0	0	0	0	1	0	0	0	0	0
24	15/1/2010	CATANIA CENTRALE	Investimento/danni a personale ferroviario durante il servizio	Disattenzione/caduta/danni personale ferroviario	incidenti alle persone provocati da materiale rotabile in movimento (eccetto i suicidi o tentati suicidi)	0	0	1	0	0	0	0	0	0	0

[illegible]