

Reporting Body	IT Ministero delle infrastrutture e dei trasporti	ID	IT-1365
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### Occurrence Summary

What		Location	
Date of occurrence	29-02-12	Location name	Line Ferrara - Rimini, section Ravenna - Classe, level crossing km 73+423
Local time	22:00		
Event type	Railway vehicle movement events Level crossing event Level crossing accident	Latitude	44:25:06 North
		Longitude	12:12:13 East

Description Regional train Trenitalia 11611, relation Ravenna - Rimini, with 30 travelers on board, hit a car with three people on board at the level crossing at km 73 +423 (half-barriers regularly closed).

Direct Cause descrip Improper occupation of the railway at the LC by the car

### Final Report

Nam	Desc	Type	Size	Last	Orga	Repo
Relazione_Indagine_Ravenna.pdf	Final report	application/pdf	1001608	5/6/2013 9:43:34 AM	Softeco	

### Other Attachments

Nam	Desc	Type	Size	Last	Orga	Repo
Records.pdf	Official records	application/pdf	22030	5/6/2013 9:44:03 AM	Softeco	

by the NIB

### What

Title Level crossing accident, 29/02/2012, Line Ferrara - Rimini, section Ravenna - Classe, level crossing km 73+423 (Italy)

Occurrence type	Railway vehicle movement events Level crossing event Level crossing accident	Occurrence Class	Serious accident
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Date of occurrence	29-02-12	Local time	22:00
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Events Railway vehicle movement events - Level crossing event - Level crossing accident

### Descriptions

Language	Italian	Translation provider	Information providers own
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Description Regional train Trenitalia 11611, relation Ravenna - Rimini, with 30 travelers on board, hit a car with three people on board at the level crossing at km 73 +423 (half-barriers regularly closed). translation

Location name	Line Ferrara - Rimini, section Ravenna - Classe, level crossing km 73+423		
Railway System type	Railway	Country	Italy
Location type	Line	Border Country	
Line type	Single track	Line number	
Allowed line speed		Km number	
Latitude	44:25:06 North	Longitude	12:12:13 East
Location description	Line Ferrara - Rimini, section Ravenna - Classe, level crossing km 73+423		
Additional location in			
Location type details	Level Crossing	Fixed installations	

#### Occurrence details

##### Railway vehicles

Movement type	Regional passenger train	Train number	11611
RU	Italy Trenitalia SpA	Wagons overturned	No
Train speed at mom	84 km/h	Passengers onboard	Yes
Vehicle description	"TAF" train composed by: Ale 426 047 (collided vehicle) + Le 736 093 + Le 736 094 + Ale 506 047		

##### Other objects involved in the occurrence

##### Other objects

##### Parties involved

IM Involved	Italy - RFI SpA	RU	
		Italy - Trenitalia SpA	

	Fatalities	Serious injuries	Minor injuries
Passengers	0	0	0
Staff	0	0	0
Level crossing users	1	1	1
Unauthorised persons	0	0	0
Others	0	0	0

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Total 1 1 1

Material consequences

Material Damage Infrastructure Estimated total mate < 150 000 €  
Rolling stock  
3rd party  
Damage description 120.000 € damages to rolling stock  
15.000 € damages to infrastructure  
car destroyed

Images

Name	Description	Type	Size	Last modified	Organization	Repository
0						

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Causation

Causes

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Language	Italian	Translation provider	Information providers own translation
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Direct Cause description

Improper occupation of the railway at the LC by the car

Underlying and root causes description

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Causation classification

Railway vehicle movement events - Level crossing event - Level crossing accident  
1 - Third party (improper occupation of the LC by the car)

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Recommendations

Recommendation

Issuing information

Recommendation title	1	End implementer	IM
Recommendation ID	REC-000137	Addressee	NSA (ANSF)
Status	Sent to adreesee		
Issue date	15-04-13		

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Recommendation texts

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Language	English	Translation provider	Information providers own translation
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Reporting Body

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ID

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Recommendations text

It is recommended to the NSA (ANSF) to invite the IM (RFI SpA) to assess the opportunity of replacing the current system of half-gates LC with a complete barriers LC, so as to constitute a deterrent to inappropriate behavior of road users, given the high traffic in the area

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Implementation information

Implementation status

Implementation date

Unknown

NSA Response

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NIB Comment

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Recommendation

Issuing information

Recommendation title 2

Recommendation ID REC-000138

End implementer

IM

Status Sent to addressee

Addressee

NSA (ANSF)

Issue date 15-04-13

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Recommendation texts

Language

English

Translation provider

Information providers own  
translation

Recommendations text

It is recommended to the NSA (ANSF) to invite the IM (RFI SpA) to extend the analysis in recommendation n.1 to other half-gates LCs where similar considerations can be applied.

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Implementation information

Implementation status

Implementation date

Unknown

NSA Response

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NIB Comment

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#### Causation links

Railway vehicle movement events - Level crossing event - Level crossing accident  
 Subsystem - Third party (improper occupation of the LC by the car)

#### Investigation details

Legal Basis National rules imposed by implementing of the Safety Directive 2004/49/EC - in light of Article 19, §2 of SD - (a) the seriousness of the accident or incident  
 National rules imposed by implementing of the Safety Directive 2004/49/EC - in light of Article 19, §2 of SD - (b) it forms part of a series of accidents or incidents relevant to the system as a whole

Other reason descrip

ID	IT-1365	Reporting Body	Ministero delle infrastrutture e dei trasporti
National investigatio		Investigator in charge	
Occurrence creation	06-03-12 10:09:47		
Decision to investigate	01-03-12		
Declaration date	06-03-12		
Date of IM/RU notific			

Report Type	Final report	Workflow Status	Validated
Report Version	2	Investigation Status	Closed

Other Attachments	Name	Descriptio	Type	Size	Last	Organizati	Repositor
	Recomme ndations.p df	Official recomme ndations by the NIB	applicatio n/pdf	22030	5/6/2013 9:44:03 AM	Softeco	

Final Report	Name	Descriptio	Type	Size	Last	Organizati	Repositor
	Relazione _Indagine _Ravenna .pdf	Final report	applicatio n/pdf	1001608	5/6/2013 9:43:34 AM	Softeco	