

Reporting Body	IT Ministero delle infrastrutture e dei trasporti	ID	IT-0462
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#### Occurrence Summary

What		Location	
Date of occurrence	24-11-12	Location name	Rossano
Local time	17:15	Latitude	39:34:35 North
Event type	Railway vehicle movement events Level crossing event Level crossing accident (Train collision with a car)	Longitude	16:38:03 East

Description      Trenitalia train 3753, relation Sibari - Reggio Calabria, between the stations of Rossano and Mirto Crosia, LC km 155 +849 (LC for private users), invests vehicle causing the death of the six occupants of the vehicle

Direct Cause descrip      The direct cause of the accident is the presence of the car on the railway at the time of transit of the train.

#### Final Report

Nam	Desc	Type	Size	Last	Orga	Repo
Relazione _incidente e_Rossano_06_08.2013.pdf	Final report + Official recommen- dations	application/pdf	3002890	8/6/2013 3:07:24 PM	Softco	

#### Other Attachments

Nam	Desc	Type	Size	Last	Orga	Repo
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#### What

Title      Level crossing accident, 24/11/2012, Rossano (Italy)

Occurrence type	Railway vehicle movement events Level crossing event Level crossing accident	Occurrence Class	Serious accident
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Date of occurrence	24-11-12	Local time	17:15
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#### Events

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Railway vehicle movement events - Level crossing event - Level crossing accident (Train collision with a car)

#### Descriptions

Language	English	Translation provider	Information providers own translation
Description	Trenitalia train 3753, relation Sibari - Reggio Calabria, between the stations of Rossano and Mirto Crosia, LC km 155 +849 (LC for private users), invests vehicle causing the death of the six occupants of the vehicle		

Location name	Rossano		
Railway System type	Railway	Country	Italy
Location type	Line	Border Country	
Line type	Single track	Line number	
Allowed line speed		Km number	155+849
Latitude	39:34:35 North	Longitude	16:38:03 East
Location description	Level crossing for private users		
Additional location in			
Location type details	Level Crossing	Fixed installations	

#### Occurrence details

##### Railway vehicles

Movement type	Regional passenger train	Train number	3753
RU	Italy Trenitalia SpA	Wagons overturned	No
Train speed at mom		Passengers onboard	Yes
Vehicle description	Single diesel automotive		

##### Other objects involved in the occurrence

Other objects	Road vehicle - Car
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##### Parties involved

IM Involved	Italy - RFI SpA	RU	Italy - Trenitalia SpA
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	Fatalities	Serious injuries	Minor injuries
Passengers	0	0	0

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Staff	0	0	0
Level crossing users	6	0	0
Unauthorised persons	0	0	0
Others	0	0	0
Total	6	0	0

#### Material consequences

Material Damage	Rolling stock 3rd party	Estimated total mate	< 150 000 €
Damage description	Car destroyed, vehicle destroyed		

#### Images

Name	Description	Type	Size	Last modified	Organization	Repository
0						

#### Causation

##### Causes

Language	English	Translation provider	Information providers own translation
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#### Direct Cause description

The direct cause of the accident is the presence of the car on the railway at the time of transit of the train.

#### Underlying and root causes description

1. Absence for the private LC , as for all the LCs of the same type, of an appropriate protection system of the LC on the railway side.
2. Absence at the LC, as well as for the systems of the same type, of optical/acoustic signaling revealing the onset of the train on the road side or procedures that provide for an informed consent crossing.
3. Presence of uncut vegetation along the line, with reduction of the visibility close to the LC, emphasized by the particular characterization of crossing altitude with the presence of a hillock on the railway.

#### Causation classification

Railway vehicle movement events - Level crossing event - Level crossing accident (Train collision with a car)

- 1 - Third party
  - 1 - Design
  - 2 - Design
  - 3 - Maintenance of infrastructure
  - 4 - Ambient conditions

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**Recommendations**  
**Recommendation**

## Issuing information

Recommendation title	Recommendation No.1		
Recommendation ID	REC-000281	End implementer	IM
Status	Sent to addressee	Addressee	NSA
Issue date	29-07-13		

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Recommendation texts

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Language	English	Translation provider	Information providers own translation
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## Recommendations text

The NSA should work so that the IM provides a proper risk analysis, aimed at verifying the conditions of existence of the ownership of approved persons for the crossing of the private LCs, ordering the suppression where was found to have become ceased the encirclement of funds or a current lack of interest in crossing the railway line from private parties for the achievement of the property and, therefore, the possibility of performing agreement for the suppression of those level crossings to which the low use makes evident this opportunity.

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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	Recommendation No.2		
Recommendation ID	REC-000282	End implementer	IM
Status	Sent to addressee	Addressee	NSA
Issue date	29-07-13		

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Recommendation texts

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Language	English	Translation provider	Information providers own translation
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## Recommendations text

The NSA must ensure that the IM takes action to check for private LCs that remain in use by the assessments and any subsequent actions resulting from the analysis referred to in Recommendation No. 1, the level of risk of their use in accordance with the parameters of visibility and the maximum authorized speed on the section of railway line concerned. Following this analysis, the IM shall take one of the following appropriate measures to reduce the level of risk:

- adoption of protection devices similar to those used for public LCs;
- adoption of protection devices at least equivalent to those of public LCs in terms of type of signaling on the road side, if it is satisfied that the level of risk is comparable to the systems referred to in the previous point; and yet, without the use of protective devices, but alternatively to the preceding points:
- definition of specifications for each LC related to the distance of clear visibility and the speed of the train, to define the minimum time required for the passage and the liberation of the railway, as well as methods and ways to implement them in total safety. These specifications, whose proper analysis and definition falls within the responsibility of the IM, will have to find clear indication in the conventional relationship between IM and owner of the ground served. The agreement must clearly state that the obligation to fulfill the transit in accordance with the conditions laid down in the Convention lies with the owner of the ground or the person delegated by the owner and that this requirement can not be fulfilled by others not mentioned in the agreement itself. This possibility can be implemented only if it submits a level of risk that is not higher than what would be achieved by adopting protective devices discussed in the preceding points. Whatever will be the action taken, also different for each crossing, must always be such as to substantially bring down the level of danger in any climate and lighting conditions.

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#### Implementation information

Implementation status

Implementation date

Unknown

NSA Response

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 NIB Comment

#### Causation links

Railway vehicle movement events - Level crossing event - Level crossing accident (Train collision with a car)

Subsystem - Third party

Causal factors - Design

Causal factors - Design

Causal factors - Maintenance - Maintenance of infrastructure

Causal factors - Ambient conditions

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#### 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

Other reason descrip

ID	IT-0462	Reporting Body	Ministero delle infrastrutture e dei trasporti
National investigatio		Investigator in charge	
Occurrence creation	29-11-12 10:04:35		
Decision to investigate	24-11-12		
Declaration date	29-11-12		
Date of IM/RU notific			

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

Other Attachments	Name	Descriptio	Type	Size	Last	Organizati	Repositor
				0			

Final Report	Name	Descriptio	Type	Size	Last	Organizati	Repositor
	Relazione _incidente _Rossano _06.08.20 13.pdf	Final report + Official recomme ndations	applicatio n/pdf	3002890	8/6/2013 3:07:24 PM	Softeco	