

Reporting Body	IT Ministero delle infrastrutture e dei trasporti	ID	IT-2066
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Occurrence Summary

What		Location	
Date of occurrence	18-02-13	Location name	Chiuro
Local time	06:54	Latitude	46:10:19 North
Event type	Railway vehicle movement events Trains collision Trains collision with an obstacle	Longitude	9:59:25 East

Description Regional Train No. 5194 (Sondrio - Tirano) collided with a truck that had invaded the railway to the progressive Km 9 +709 following a car accident in which the truck was involved with some cars on the adjacent road ss38

Direct Cause descrip Maneuver of the road track, that after ripped the guard-rail invaded the railway, until the arrival of the regional train that could not avoid the collision even when using the emergency braking.

Final Report

Nam	Desc	Type	Size	Last	Orga	Repo
Relazione_d'inchiesta_sull'incidente_dil_Chiuro_del_18_02_2013.pdf	Final report	application/pdf	738210	1/14/2014 2:27:01 PM	Software	

Other Attachments

Nam	Desc	Type	Size	Last	Orga	Repo
			0			

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What

Title Trains collision with an obstacle, 18/02/2013, Chiuro (Italy)

Occurrence type	Railway vehicle movement events Trains collision Trains collision with an obstacle	Occurrence Class	Serious accident
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Date of occurrence	18-02-13	Local time	06:54
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Events Railway vehicle movement events - Trains collision - Trains collision with an obstacle

Descriptions

Language	English	Translation provider	Information providers own translation
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Description Regional Train No. 5194 (Sondrio - Tirano) collided with a truck that had invaded the railway to the progressive Km 9 +709 following a car accident in which the truck was involved with some cars on the adjacent road ss38

Location name	Chiuro		
Railway System type	Railway	Country	Italy
Location type	Line	Border Country	
Line type	Single track	Line number	
Allowed line speed	75 km/h	Km number	10+200
Latitude	46:10:19 North	Longitude	9:59:25 East
Location description			
Additional location in			
Location type details	Plain track	Fixed installations	

Occurrence details

Railway vehicles

Movement type	Regional passenger train	Train number	5194
RU	Italy Trenitalia-LeNORD Srl	Wagons overturned	No
Train speed at mom	72 km/h	Passengers onboard	Yes
Vehicle description	ALe 803-027 + Le 803-127 & Le 803-026		

Other objects involved in the occurrence

Other objects Road vehicle - Truck
Living objects - Person

Parties involved

IM Involved	Italy - RFI SpA	RU
		Italy - Trenitalia-LeNORD Srl

	Fatalities	Serious injuries	Minor injuries
Passengers	0	0	0
Staff	0	0	0
Level crossing users	0	0	0
Unauthorised persons	0	0	0
Others	2	0	0
Total	2	0	0

Material consequences

Material Damage	Rolling stock Infrastructure 3rd party	Estimated total mate	150 000 - 2 000 000 €
Damage description	Rolling stock: 400 000 €		

Images

Name	Description	Type	Size	Last modified	Organization	Repository
0						

Causation

Causes

Language	Italian	Translation provider	Information providers own translation
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Direct Cause description

Maneuver of the road track, that after ripped the guard-rail invaded the railway, until the arrival of the regional train that could not avoid the collision even when using the emergency braking.

Underlying and root causes description

None

Causation classification

Railway vehicle movement events - Trains collision - Trains collision with an obstacle

1 - Third party (Maneuver of the road track)

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Recommendations
Causation links

Railway vehicle movement events - Trains collision - Trains collision with an obstacle
 Subsystem - Third party (Maneuver of the road track)

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

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National investigatio

Occurrence creation	04-03-13 11:04:38	Investigator in charge
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Decision to investigate	18-02-13
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Declaration date	04-03-13
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Date of IM/RU notific

Report Type	Final report	Workflow Status	Validated
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Report Version	2	Investigation Status	Open
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Other Attachments	Name	Descriptio	Type	Size	Last	Organizati	Repositor
				0			

Final Report	Name	Descriptio	Type	Size	Last	Organizati	Repositor
	Relazione _d'inchies ta_sull'inci dente_di_ Chiuro_de l_18_02_2 013.pdf	Final report	applicatio n/pdf	738210	1/14/2014 2:27:01 PM	Softeco	