

Reporting Body	IT Ministero delle infrastrutture e dei trasporti	ID	IT-3198
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Occurrence Summary

What		Location	
Date of occurrence	17-01-14	Location name	Line Genova - Ventimiglia, Andora - Cervo
Local time	12:40	Latitude	43:59:02 North
Event type	Railway vehicle movement events Trains collision Trains collision with an obstacle (collision with slipped terrain)	Longitude	8:07:58 East

Description Train collision with terrain fell on the railway after a landslide and subsequent derailment

Direct Cause descrip landslide of the the hill above the railroad

Final Report

Nam	Desc	Type	Size	Last	Orga	Repo
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Other Attachments

Nam	Desc	Type	Size	Last	Orga	Repo
			0			

What

Title Trains collision with an obstacle, 1/17/2014, Line Genova - Ventimiglia, Andora - Cervo (Italy)

Occurrence type	Railway vehicle movement events Trains collision Trains collision with an obstacle	Occurrence Class	Accident
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Date of occurrence	17-01-14	Local time	12:40
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Events Railway vehicle movement events - Trains collision - Trains collision with an obstacle (collision with slipped terrain)

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Descriptions

Language	English	Translation provider	Information providers own translation
Description	Train collision with terrain fell on the railway after a landslide and subsequent derailment		

Location name	Line Genova - Ventimiglia, Andora - Cervo		
Railway System type	Railway	Country	Italy
Location type	Line	Border Country	
Line type	Single track	Line number	
Allowed line speed		Km number	
Latitude	43:59:02 North	Longitude	8:07:58 East
Location description			
Additional location in			
Location type details	Plain track	Fixed installations	

Occurrence details

Railway vehicles

Movement type	Long distance passenger train	Train number	660
RU	Italy Trenitalia SpA	Wagons overturned	No
Train speed at mom		Passengers onboard	Yes
Vehicle description			

Other objects involved in the occurrence

Other objects

Parties involved

IM Involved	Italy - RFI SpA	RU	Italy - Trenitalia SpA
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	Fatalities	Serious injuries	Minor injuries
Passengers	0	0	2
Staff	0	2	1
Level crossing users	0	0	0
Unauthorised persons	0	0	0
Others	0	0	0

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Total 0 2 3

Material consequences

Material Damage Rolling stock Infrastructure Environment Estimated total mate 150 000 - 2 000 000 €
Damage description Damages to infrastructure: € 500.000,00
Damages to RS: € 639.855,66

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

landslide of the the hill above the railroad

Underlying and root causes description

Causation classification

Railway vehicle movement events - Trains collision - Trains collision with an obstacle (collision with slipped terrain)

1 - Line side structure

Recommendations

Recommendation

Issuing information

Recommendation title	n. 1	End implementer	IM
Recommendation ID	REC-000097	Addressee	NSA
Status	Sent to adreesee		
Issue date	09-10-14		

Recommendation texts

Language	English	Translation provider	Information providers own translation
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Recommendations text

It is recommended to the NSA (ANSF) to strive so that the IM continues the analysis to test (also based on an update of the series of weather events of particular intensity) effective correspondence of the classification of singular points to real data. At the risky points identified, the IM will be advised to take appropriate preventive measures, commensurate with the risk conditions.

Implementation information

Implementation status	Implementation date
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Unknown

NSA Response

NIB Comment

Causation links

Railway vehicle movement events - Trains collision - Trains collision with an obstacle (collision with slipped terrain)

Subsystem - Infrastructure - Line side structure

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
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Other reason descrip

ID	IT-3198	Reporting Body	Ministero delle infrastrutture e dei trasporti
National investigatio		Investigator in charge	
Occurrence creation	20-01-14 14:36:20		
Decision to investigate	17-01-14		
Declaration date	20-01-14		
Date of IM/RU notific	17-01-14		

Report Type	Final report	Workflow Status	Validated
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Report Version	3	Investigation Status	Closed
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Other Attachments	Name	Descriptio	Type	Size	Last	Organizati	Repositor
				0			

Final Report	Name	Descriptio	Type	Size	Last	Organizati	Repositor
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Reporting Body

IT
Ministero delle infrastrutture
e dei trasporti

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