

Reporting Body	IT Ministero delle infrastrutture e dei trasporti	ID	IT-1136
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Occurrence Summary

What		Location	
Date of occurrence	08-05-11	Location name	CALTAGIRONE-NISCEMI
Local time	10:20	Latitude	37:08:55 North
Event type	Infrastructure events Broken rails and track buckles Broken rails	Longitude	14:23:16 East

Description COLLAPSE OF RAILWAY BRIDGE

Direct Cause descrip structural inadequacy of the bridge since its construction and insuffiuent capacity of removal of rainwater from the inside of the structure

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 Broken rails, 2011-05-08, CALTAGIRONE-NISCEMI (Italy)

Occurrence type	Infrastructure events Broken rails and track buckles Broken rails	Occurrence Class	Incident
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Date of occurrence	08-05-11	Local time	10:20
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Events Infrastructure events - Broken rails and track buckles - Broken rails

Descriptions

Language	English	Translation provider	Information providers own translation
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Description COLLAPSE OF RAILWAY BRIDGE

Location name CALTAGIRONE-NISCEMI

Railway System type	Railway	Country	Italy
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Location type	Line	Border Country	
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Line type	Single track	Line number	
Allowed line speed		Km number	
Latitude	37:08:55 North	Longitude	14:23:16 East
Location description	CALTAGIRONE-NISCEMI		
Additional location in			
Location type details	Bridges / Viaducts	Fixed installations	

Occurrence details

Railway vehicles

Movement type	Other	Train number	
RU	Italy RFI SpA	Wagons overturned	
Train speed at mom		Passengers onboard	
Vehicle description	No vehicle involved in the incident		

Other objects involved in the occurrence

Other objects

Parties involved

IM Involved	Italy - RFI SpA	RU	
		Italy - RFI SpA	

	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	0	0	0
Total	0	0	0

Material consequences

Material Damage	Infrastructure	Estimated total mate
Damage description	Collapse of a railway bridge (no train involved)	

Images

Name	Description	Type	Size	Last modified	Organization	Repository
0						

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Causation

Causes

Language	English	Translation provider	Information providers own translation
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Direct Cause description

structural inadequacy of the bridge since its construction and insufficient capacity of removal of rainwater from the inside of the structure

Underlying and root causes description

inadequacy of the monitoring visits of the viaduct

Causation classification

Infrastructure events - Broken rails and track buckles - Broken rails

1 - Design

1 - Maintenance of infrastructure

Recommendations

Recommendation

Issuing information

Recommendation title 1

Recommendation ID REC-000057

End implementer

IM

Status Sent to addressee

Addressee

RFI SpA

Issue date 26-11-12

Recommendation texts

Language	English	Translation provider	Information providers own translation
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Recommendations text

It is recommended to the Infrastructure Manager, RFI SpA, to start an activity to verify the health of buildings insistent on the railway line where the incident happened, which possess structural characteristics and age similar to those of the bridge collapsed. The IM at the same time should take care to carry out investigations and audits on the masses of the trains there circulating, including in relation to the results of the checks carried out on the current state of the buildings.

These activities may be extended to other parts of the rail network that exhibit the characteristics of construction and age similar to those of the buildings in question.

Implementation information

Implementation status

Implementation date

Unknown

Reporting Body IT ID IT-1136
Ministero delle infrastrutture
e dei trasporti

NSA Response

NIB Comment

Recommendation

Issuing information

Recommendation title	2	End implementer	NSA
Recommendation ID	REC-000058	Addressee	ANSF
Status	Sent to adreesee		
Issue date	26-11-12		

Recommendation texts

Language	English	Translation provider	Information providers own translation
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Recommendations text

It is recommended to the NSA, as part of its audit activity on the IM RFI SpA and its Safety Management System, also already taken, to pay particular attention to the evaluation of the supervisory and monitoring activity to be carried by the Infrastructure Manager on the buildings and the proper, timely and effective implementation of the existing provisions.

Implementation information

Implementation status	Implementation date
Unknown	

NSA Response

NIB Comment

Causation links

Infrastructure events - Broken rails and track buckles - Broken rails

Causal factors - Design

Causal factors - Maintenance - Maintenance of infrastructure

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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 - (c) its impact on railway safety on a Community level

Other reason descrip

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National investigatio

Occurrence creation	12-05-11 13:16:53	Investigator in charge
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Decision to investigate	09-05-11
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Declaration date	12-05-11
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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	Closed
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Other Attachments	Name	Descriptio	Type	Size	Last	Organizati	Repositor
				0			

Final Report	Name	Descriptio	Type	Size	Last	Organizati	Repositor
	Report.pdf		applicatio n/pdf	1149637	1/21/2013 10:51:58 AM	Softeco	