

Reporting Body	IT Ministero delle infrastrutture e dei trasporti	ID	IT-3172
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Occurrence Summary

What		Location	
Date of occurrence	12-01-14	Location name	Firenze Santa Maria Novella
Local time	22:55	Latitude	43:46:16 North
Event type	Railway vehicle movement events Trains collision Trains collision with an obstacle (Collision with buffer stops)	Longitude	11:14:53 East

Description During the maneuver for the placement of the train, train collides with buffer stops and two cars derailed leading to the investment of the agent involved in the maneuver.

Direct Cause descrip Sudden, unexpected and undue spontaneous movement of the convoy.

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, 1/12/2014, Firenze Santa Maria Novella (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	12-01-14	Local time	22:55
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Events Railway vehicle movement events - Trains collision - Trains collision with an obstacle (Collision with buffer stops)

Descriptions

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Language	English	Translation provider	Information providers own translation
Description	During the maneuver for the placement of the train, train collides with buffer stops and two cars derailed leading to the investment of the agent involved in the maneuver.		

Location name	Firenze Santa Maria Novella		
Railway System type	Railway	Country	Italy
Location type	Station	Border Country	
Line type	Multiple track	Line number	
Allowed line speed		Km number	
Latitude	43:46:16 North	Longitude	11:14:53 East
Location description			
Additional location in			
Location type details	Switches And Crossings	Fixed installations	

Occurrence details

Railway vehicles

Movement type	Shunting operation	Train number	11747
RU	Italy Trenitalia SpA	Wagons overturned	No
Train speed at mom		Passengers onboard	No
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	0
Staff	1	0	0
Level crossing users	0	0	0
Unauthorised persons	0	0	0
Others	0	0	0
Total	1	0	0

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Material consequences

Material Damage Infrastructure Estimated total mate < 150 000 €
Rolling stock

Damage description

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

Sudden, unexpected and undue spontaneous movement of the convoy.

Underlying and root causes description

Performing, by the agent serving as a pointsman, the maneuver for the placement of the RS for the train without the activation of the ATP.

Performing, by the pointsman, the maneuver placement alone instead of with the presence in the cab of another agent enabled.

Causation classification

Railway vehicle movement events - Trains collision - Trains collision with an obstacle (Collision with buffer stops)

1 - Train preparation including putting train together

1 - Procedures

Recommendations

Recommendation

Issuing information

Recommendation title	n.1	End implementer	RU
Recommendation ID	REC-000098	Addressee	NSA
Status	Sent to adreesee		
Issue date	16-04-15		

Recommendation texts

Language	English	Translation provider	Information providers own translation
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Recommendations text

It is recommended to the NSA to ensure that the RU puts in place a better activity in education and training of the maneuver staff, with regard to the content of the provisions enacted, both in general and in the specifications of the system. In particular, it is recommended to set up a system which provides for the maneuver staff an initial verification of correct understanding of the regulations (following the release of an update or new issuance), and subsequent checks, aimed at maintaining skills related to it, to be carried out both at regular intervals and if it is found to be non-compliance with procedures.

Implementation information

Implementation status

Implementation date

Unknown

NSA Response

NIB Comment

Recommendation

Issuing information

Recommendation title n. 2

Recommendation ID REC-000099

End implementer

RU

Status Sent to addressee

Addressee

NSA

Issue date 16-04-15

Recommendation texts

Language

English

Translation provider

Information providers own
translation

Recommendations text

It is recommended to the NSA to strive so that the RU considers the need to make changes to DEIF n ° 02/24 of 03/28/2013, in particular in paragraph 5, in order to better highlight the consistency of DEIF with paragraph 19.19 of the RCF and with the provision ANSF n °. 002010/2014 of 03.18.2014, in order to clarify the scope of mandatory execution of the movements of maneuver with the ATP system inserted or, alternatively, with the double agent.

Implementation information

Implementation status

Implementation date

Unknown

NSA Response

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NIB Comment

Recommendation

Issuing information

Recommendation title	n. 3		
Recommendation ID	REC-000100	End implementer	IM
Status	Sent to addressee	Addressee	NSA
Issue date	16-04-15		

Recommendation texts

Language	English	Translation provider	Information providers own translation
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Recommendations text

It is recommended to the NSA to strive so that the RU considers the need to make changes to DEIF n ° 24.2 of 28.3.2013, pointing out that with regard to the movements of RS from the stations to the marshalling yards and vice versa, these must be made with the ATP active or, alternatively, with the double agent.

Implementation information

Implementation status	Implementation date
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Unknown

NSA Response

NIB Comment

Recommendation

Issuing information

Recommendation title	n. 4		
Recommendation ID	REC-000101	End implementer	RU
Status	Sent to addressee	Addressee	NSA
Issue date	16-04-15		

Recommendation texts

Language	English	Translation provider	Information providers own translation
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Recommendations text

It is recommended to the NSA to strive so that the IM in the realization of interventions involving the partial interruption of a dead-end rail, takes care to minimize the duration of the use of temporary installations for the delimitation of the rail opened to operation, taking care to establish, already during the preparation of the

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working program , timing and methods of installation of the buffers.

Implementation information

Implementation status	Implementation date
Unknown	

NSA Response

NIB Comment

Causation links

Railway vehicle movement events - Trains collision - Trains collision with an obstacle (Collision with buffer stops)

Subsystem - Operation - Operation and traffic management - Train preparation including putting train together

Causal factors - Procedures

Investigation details

Legal Basis National rules imposed by implementing of the Safety Directive 2004/49/EC - in light of Article 19, §1 of SD

Other reason descrip

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National investigatio

Occurrence creation	14-01-14 12:55:04	Investigator in charge
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Decision to investigate 13-01-14

Declaration date 14-01-14

Date of IM/RU notific 13-01-14

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
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