

Reporting Body	IT Ministero delle infrastrutture e dei trasporti	ID	IT-0049
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Occurrence Summary

What		Location	
Date of occurrence	14-07-12	Location name	PM Lavino
Local time	09:25	Latitude	44:32:03 North
Event type	Railway vehicle movement events Train derailment	Longitude	11:13:38 East

Description Derailment of the regional train 2885 (Voghera - Rimini), on the line Bologna - Piacenza, PM Lavinio.
Derailment of the whole train (loco + 5 cars)

Direct Cause descrip The direct cause of the derailment is the position of the switch N.09 not in accordance compared to signaling, which led to the engagement of the switch, placed in position deviated, at improper speed

Final Report

Nam	Desc	Type	Size	Last	Orga	Repo
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Other Attachments

Nam	Desc	Type	Size	Last	Orga	Repo
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What

Title Train derailment, 2012-07-14, PM Lavino (Italy)

Occurrence type	Railway vehicle movement events Train derailment	Occurrence Class	Accident
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Date of occurrence	14-07-12	Local time	09:25
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Events Railway vehicle movement events - Train derailment

Descriptions

Language	English	Translation provider	Information providers own translation
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Description Derailment of the regional train 2885 (Voghera - Rimini), on the line Bologna - Piacenza, PM Lavinio.
Derailment of the whole train (loco + 5 cars)

Location name PM Lavino

Railway System type	Railway	Country	Italy
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Location type	Line	Border Country	
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Line type	Multiple track	Line number	
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Allowed line speed		Km number	
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Latitude	44:32:03 North	Longitude	11:13:38 East
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Location description Train approaching PM Lavino (service station)

Additional location in

Location type details	Switches And Crossings	Fixed installations	
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Occurrence details

Railway vehicles

Movement type	Regional passenger train	Train number	2885
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RU	Italy Trenitalia SpA	Wagons overturned	No
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Train speed at mom		Passengers onboard	Yes
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Vehicle description

Other objects involved in the occurrence

Other objects

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Parties involved

IM Involved Italy - RFI SpA RU Italy - Trenitalia 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 Estimated total mate 150 000 - 2 000 000 €
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

The direct cause of the derailment is the position of the switch N.09 not in accordance compared to signaling, which led to the engagement of the switch, placed in position deviated, at improper speed
Underlying and root causes description

the underlying cause is the method adopted for the conduct of maintenance that does not comply with the procedures established for the execution of the maintenance and repair of the safety apparatus

Causation classification

Railway vehicle movement events - Train derailment

1 - Switches and crossings

1 - Procedures (Maintenance procedures not followed)

2 - Track-side signalling equipment (train detection system, block signalling etc)

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Recommendations**Recommendation**

Issuing information

Recommendation title 1
Recommendation ID REC-000084 End implementer IM
Status Sent to addressee Addressee NSA
Issue date 28-02-13

Recommendation texts

Language	English	Translation provider	Information providers own translation
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Recommendations text

It is recommended to the National Safety Authority to ensure that the IM RFI sensitize their structures and their staff to comply with the provisions relating to the maintenance of the rail elements of the stations, with particular regard to cases where for the character of the interventions it is necessary the exclusion from the operations of the section subjected to maintenance and as a consequence instructs the staff to maintenance operations to behave rigidly respectful of the maintenance management system. This one should cover operational methods actually consistent with the conditions of use of the infrastructure and of the facilities and it must clarify under which restrictive conditions can be kept in operation in relation to the various types of maintenance. This in order to have evidence and tracking of operating conditions under which it is carried out each maintenance activity.

Implementation information

Implementation status Implementation date
Unknown

NSA Response

NIB Comment

Recommendation

Issuing information

Recommendation title 2
Recommendation ID REC-000085 End implementer IM
Status Sent to addressee Addressee NSA
Issue date 28-02-13

Recommendation texts

Language	English	Translation provider	Information providers own translation
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Recommendations text

Reporting Body	IT Ministero delle infrastrutture e dei trasporti	ID	IT-0049
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It is recommended to the National Safety Authority to ensure that the IM RFI studies a intrinsically safe procedure, intended to prevent personnel for maintenance work to act without explicit consent of the operative traffic controller, with particular reference to places on the lines controlled by remote centers

Implementation information

Implementation status	Implementation date
Unknown	

NSA Response

NIB Comment

Causation links

Railway vehicle movement events - Train derailment

Subsystem - Infrastructure - Switches and crossings

Causal factors - Procedures (Maintenance procedures not followed)

Subsystem - Control command & signalling - Track-side signalling equipment (train detection system, block signalling etc)

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-0049	Reporting Body	Ministero delle infrastrutture e dei trasporti
National investigatio		Investigator in charge	
Occurrence creation	18-07-12 09:36:24		
Decision to investigate	14-07-12		
Declaration date	18-07-12		
Date of IM/RU notific			

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

Other Attachments	Name	Descriptio	Type	Size	Last	Organizati	Repositor
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Reporting Body

IT
Ministero delle infrastrutture
e dei trasporti

ID

IT-0049

Final Report

Name	Descriptio	Type	Size	Last	Organizati	Repositor
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