

Occurrence Summary

What		Location	
Date of occurrence	27-02-12	Location name	Line Roma - Firenze DD, section 1° Bivio Chiusi Sud - 1° Bivio Chiusi Nord
Local time	19:22		
Event type	Other	Latitude	43:01:24 North
		Longitude	11:55:24 East

Description loss of the door of a car of the train ES 9482 (train in motion)

Direct Cause descrip The direct cause is the breakage of the pivot lever roller (ROLLER SWING ARMS) in the guide portion of the leaf of the door.

Final Report

Nam	Desc	Type	Size	Last	Orga	Repo
Relazione_per_ditaporta_ETR4_8503_6_27_0220_12.doc	Final report	application/msword	436224	3/20/2012 9:42:20 AM	Softeco	

Other Attachments

Nam	Desc	Type	Size	Last	Orga	Repo
Raccorda_mndazi_oni_DGIF_per_Chiusi_(finale).doc	Official record	application/msword	69120	3/20/2012 9:43:07 AM	Softeco	

What

Title Other, 2012-02-27, Line Roma - Firenze DD, section 1° Bivio Chiusi Sud - 1° Bivio Chiusi Nord (Italy)

Occurrence type Other Occurrence Class Other

Date of occurrence 27-02-12 Local time 19:22

Events Other
Rolling stock events (loss of a door)

Descriptions

Reporting Body	IT Ministero delle infrastrutture e dei trasporti	ID	IT-1366
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Language	English	Translation provider	Information providers own translation
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Description	loss of the door of a car of the train ES 9482 (train in motion)		
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Location name	Line Roma - Firenze DD, section 1° Bivio Chiusi Sud - 1° Bivio Chiusi Nord		
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Railway System type	Railway	Country	Italy
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Location type	Line	Border Country	
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Line type	Double track	Line number	
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Allowed line speed		Km number	
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Latitude	43:01:24 North	Longitude	11:55:24 East
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Location description	Line Roma - Firenze DD, section 1° Bivio Chiusi Sud - 1° Bivio Chiusi Nord		
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Additional location in

Location type details	Tunnel	Fixed installations	
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Occurrence details

Railway vehicles

Movement type	High speed passenger train	Train number	9482
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RU	Italy Trenitalia SpA	Wagons overturned	No
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Train speed at mom		Passengers onboard	No
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Vehicle description	ETR 485 High speed train (pendolino)		
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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	0	0	0
Level crossing users	0	0	0
Unauthorised persons	0	0	0
Others	0	0	0
Total	0	0	0

Material consequences

Reporting Body	IT Ministero delle infrastrutture e dei trasporti	ID	IT-1366
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Material Damage	Rolling stock	Estimated total mate
Damage description	damage to a window of a train running in the opposite direction and to the train 9482	

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 is the breakage of the pivot lever roller (ROLLER SWING ARMS) in the guide portion of the leaf of the door.

Underlying and root causes description

the underlying cause is an incorrect setting of the catch hook seal.

Causation classification

Other

Rolling stock events (loss of a door)

1 - Vehicle superstructure

1 - Maintenance of rolling stock

Recommendations

Recommendation

Issuing information

Recommendation title	1		
Recommendation ID	REC-000077	End implementer	RU
Status	Sent to addressee	Addressee	NSA (ANSF)
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 works to ensure that the RU Trenitalia SpA carries out a reorganization of procedures for document management, introducing a communication protocol, called on its suppliers to check for updates and changes on the documentation, both for design and maintenance

Reporting Body	IT Ministero delle infrastrutture e dei trasporti	ID	IT-1366
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Implementation information

Implementation status	Implementation date
Unknown	

NSA Response

NIB Comment

Recommendation

Issuing information

Recommendation title	2		
Recommendation ID	REC-000078	End implementer	RU
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 works to ensure that the RU Trenitalia SpA implements an editing action or processing of the procedures of the control system, through which the technical staff provides for the verification of the workings at their end, both if these are carried out in-house or outsourced, also by the predisposition and the use of a specific check list

Implementation information

Implementation status	Implementation date
Unknown	

NSA Response

NIB Comment

Reporting Body	IT Ministero delle infrastrutture e dei trasporti	ID	IT-1366
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Recommendation

Issuing information

Recommendation title	3		
Recommendation ID	REC-000079	End implementer	RU
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 works to ensure that the RU Trenitalia SpA draws up action for the reorganization of technical documentation in the archive, in particular that relating to safety devices

Implementation information

Implementation status	Implementation date
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Unknown

NSA Response

NIB Comment

Recommendation

Issuing information

Recommendation title	4		
Recommendation ID	REC-000080	End implementer	RU
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 works to ensure that the RU Trenitalia SpA modifies, in a short time and in compliance with the provisions or existing standards, the design of the door (which currently has a contact that reveals the closing of the door at 98%, information that is not used for the control of the block-port), so that centralized control of the state of the port also uses this information to give the signal that doors have been locked on the desk of the train driver

Reporting Body	IT Ministero delle infrastrutture e dei trasporti	ID	IT-1366
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Implementation information

Implementation status	Implementation date
Unknown	

NSA Response

NIB Comment

Recommendation

Issuing information

Recommendation title	5		
Recommendation ID	REC-000081	End implementer	RU
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 works to ensure that the RU Trenitalia SpA ensures continuity in the training and skills of staff accompaniment, with respect to methods of using in a timely and immediately incisive of devices provided for reporting emergencies. This, ensuring the timeliness of the updating at the adoption of provisions by the Infrastructure Manager in connection with the use of GSM-R

Implementation information

Implementation status	Implementation date
Unknown	

NSA Response

NIB Comment

Reporting Body	IT Ministero delle infrastrutture e dei trasporti	ID	IT-1366
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Recommendation

Issuing information

Recommendation title	6		
Recommendation ID	REC-000082	End implementer	RU
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 works to ensure that the RU Trenitalia SpA, when revisioning safety devices, guarantee the normal use of skilled workers and the use of original or equivalent spare parts.

Implementation information

Implementation status	Unknown	Implementation date	
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NSA Response

NIB Comment**Recommendation**

Issuing information

Recommendation title	7		
Recommendation ID	REC-000083	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 that the National Safety Authority works to ensure that the Infrastructure Manager draws up and implements a plan of measures and checks of the coverage of the GSM-R network and, if it is necessary, draws up improvement actions, particularly along routes with the presence of tunnels.

Implementation information

Implementation status		Implementation date	
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Reporting Body	IT Ministero delle infrastrutture e dei trasporti	ID	IT-1366
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Unknown

NSA Response

NIB Comment

Causation links

Other

Rolling stock events (loss of a door)

Subsystem - Rolling stock - Wagons - Vehicle superstructure

Causal factors - Maintenance - Maintenance of rolling stock

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

ID	IT-1366	Reporting Body	Ministero delle infrastrutture e dei trasporti
National investigatio			
Occurrence creation	06-03-12 10:21:14	Investigator in charge	
Decision to investigate	27-02-12		
Declaration date	06-03-12		
Date of IM/RU notific			

Report Type	Final report	Workflow Status	Validated
Report Version	3	Investigation Status	Closed

Other Attachments	Name	Descriptio	Type	Size	Last	Organizati	Repositor
	Raccoman dazioni_D GIF_per_ Chiusi_(fi nale).doc	Official recomme ndations	applicatio n/msword	69120	3/20/2013 9:43:07 AM	Softeco	

Final Report	Name	Descriptio	Type	Size	Last	Organizati	Repositor
	Relazione _perditap orta_ETR4 85036_27 022012.d oc	Final report	applicatio n/msword	436224	3/20/2013 9:42:20 AM	Softeco	