

Reporting Body	IT Ministero delle infrastrutture e dei trasporti	ID	IT-3170
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Occurrence Summary

What		Location	
Date of occurrence	07-11-13	Location name	km 16+279, line Lecco - Bergamo
Local time	09:55	Latitude	45:43:00 North
Event type	Railway vehicle movement events Level crossing event Level crossing accident	Longitude	9:33:03 East

Description Train 5036 collides with an ambulance

Direct Cause descrip Human error by the traffic controller of Ambivere that has issued the opening command of the barriers without checking the presence or absence of a train in the route.

Final Report

Nam	Desc	Type	Size	Last	Orga	Repo
RELA	Final	appli	1863	4/30	Softe	
ZION	repor	catio	490	/201	co	
E_FI	t	n/pdf		5		
NALE				12:2		
.pdf				4:21		
				PM		

Other Attachments

Nam	Desc	Type	Size	Last	Orga	Repo
			0			

What

Title Level crossing accident, 11/7/2013, km 16+279, line Lecco - Bergamo (Italy)

Occurrence type	Railway vehicle movement events Level crossing event Level crossing accident	Occurrence Class	Serious accident
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Date of occurrence	07-11-13	Local time	09:55
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Events Railway vehicle movement events - Level crossing event - Level crossing accident

Descriptions

Language	English	Translation provider	Information providers own translation
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Description Train 5036 collides with an ambulance

Location name km 16+279, line Lecco - Bergamo

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Railway System type	Railway	Country	Italy
Location type	Line	Border Country	
Line type	Single track	Line number	
Allowed line speed		Km number	km 16+279
Latitude	45:43:00 North	Longitude	9:33:03 East
Location description	Level crossing		
Additional location in			
Location type details	Level Crossing	Fixed installations	

Occurrence details

Railway vehicles

Movement type	Regional passenger train	Train number	5036
RU	Italy Trenitalia-LeNORD Srl	Wagons overturned	No
Train speed at mom		Passengers onboard	Yes
Vehicle description			

Other objects involved in the occurrence

Other objects Road vehicle - Other (Ambulance)

Parties involved

IM Involved	Italy - RFI SpA	RU	Italy - Trenitalia-LeNORD Srl
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	Fatalities	Serious injuries	Minor injuries
Passengers	0	0	4
Staff	0	0	1
Level crossing users	2	1	0
Unauthorised persons	0	0	0
Others	0	0	0
Total	2	1	5

Material consequences

Material Damage	Rolling stock 3rd party	Estimated total mate	150 000 - 2 000 000 €
Damage description	damages to RS: € 206.000,00 damages to infrastructure: € 950,00		

Images

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Causation

Causes

Language	English	Translation provider	Information providers own translation
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Direct Cause description

Human error by the traffic controller of Ambivere that has issued the opening command of the barriers without checking the presence or absence of a train in the route.

Underlying and root causes description

Causation classification

Railway vehicle movement events - Level crossing event - Level crossing accident

1 - Managing traffic

Recommendations

Recommendation

Issuing information

Recommendation title	n. 1		
Recommendation ID	REC-000094	End implementer	IM
Status	Sent to addressee	Addressee	NSA
Issue date	20-04-15		

Recommendation texts

Language	English	Translation provider	Information providers own translation
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Recommendations text

The NSA (ANSF) must take actions so that the Infrastructure Manager, in order to improve safety in the use of emergency keys ("TIPL"), introduces a interlock logic between the actual reopening of the barriers of LC and the verification of electrical conditions of empty route, also using, where possible, connections and circuits already existing between the neighboring stations.

Implementation information

Implementation status	Implementation date
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NSA Response

NIB Comment

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Recommendation

Issuing information

Recommendation title	n.2	End implementer	
Recommendation ID	REC-000095	Addressee	NSA
Status	Sent to adreesee		
Issue date	20-04-15		

Recommendation texts

Language	English	Translation provider	Information providers own translation
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Recommendations text

The NSA (ANSF) must take actions so that at regulatory level in the event of a serious accident or involving the intervention of the prosecution service or of the NIB, in the period immediately after the accident, the retention of data of all recording devices in trafficking / incident locations and routes and in neighboring stations is maximally protected.

Implementation information

Implementation status	Implementation date
Unknown	

NSA Response

NIB Comment

Recommendation

Issuing information

Recommendation title	n.3	End implementer	IM
Recommendation ID	REC-000096	Addressee	
Status	Sent to adreesee		
Issue date	20-04-15		

Recommendation texts

Language	English	Translation provider	Information providers own translation
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Recommendations text

The NSA (ANSF) must work to ensure that the Infrastructure Manager constraints more effectively and in a traceable way the access to safety equipment for maintenance, to authorization by the regulator of the circulation, which will be required to adopt - in cooperation with the maintainer - appropriate safety measures. The ANSF must activate with the IM a general reflection on the topic.

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Implementation information

Implementation status	Unknown	Implementation date	
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NSA Response

NIB Comment

Causation links

Railway vehicle movement events - Level crossing event - Level crossing accident
 Subsystem - Operation - Operation and traffic management - Managing traffic

Investigation details

Legal Basis National rules imposed by implementing of the Safety Directive 2004/49/EC - in light of Article 19, §1 of SD (Indication that the accident was caused by failure in railway system)

Other reason descrip

ID	IT-3170	Reporting Body	Ministero delle infrastrutture e dei trasporti
National investigatio		Investigator in charge	
Occurrence creation	14-01-14 12:16:02		
Decision to investigate	07-11-13		
Declaration date	14-01-14		
Date of IM/RU notific	07-11-13		

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

Other Attachments	Name	Descriptio	Type	Size	Last	Organizati	Repositor
				0			

Final Report	Name	Descriptio	Type	Size	Last	Organizati	Repositor
	RELAZION E_FINALE. pdf	Final report	applicatio n/pdf	1863490	4/30/2015 12:24:21 PM	Softeco	