

Safety and Security together in the railway environment

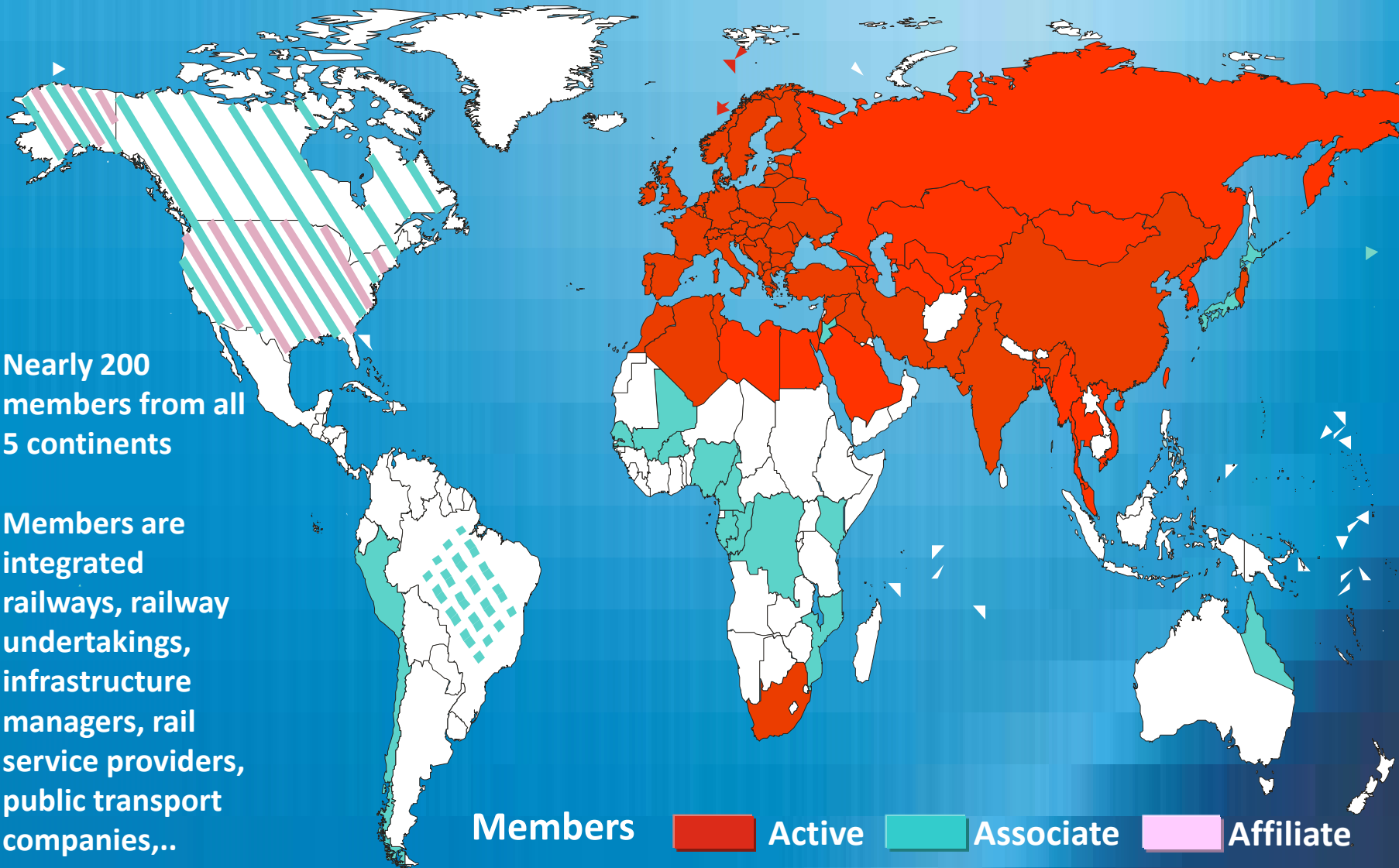
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and

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Head of Security
International Union of Railways (UIC)

The UIC in 2009



➔ Nearly 200 members from all 5 continents

➔ Members are integrated railways, railway undertakings, infrastructure managers, rail service providers, public transport companies,..

UIC Mission and objectives

Mission:

UIC promotes rail transport at a multi-regional level in order to meet the challenges of mobility in the modern world and sustainable system development

Main UIC objectives:

- ↪ Facilitate *exchange on good practises* among members and with other modes (benchmarking)
- ↪ Support members in their efforts to develop *new business opportunities*,
- ↪ Propose new ways for *improving economic and safety performance* of the rail network
- ↪ Achieve *interoperability*, create *new global standards* for rail (including common standards with other modes)
- ↪ Focus on the core issues of market position, technological advancement, sustainable development and standardisation,..)



New challenges for safety

- ➡ The rail landscape is changing:
 - ➡ the *market* (internal and external competition)
 - ➡ *legislation* (separation of infrastructure management from train management, market liberalisation, European Railway Agency...)
- ➡ opportunities linked with *globalisation* of economy and transport lead to new business opportunities
- ➡ Understanding and managing the key interfaces essential to a safe railway

A zoom on safety and security

Definitions

↳ **Safety** is the state of being "safe". The condition of being protected against physical, social, occupational, psychological, or other types or consequences of failure, damage, error, harm or any other event which could be considered as non-desirable

↳ **Security** as a state or condition is resistance to harm. From an objective perspective, it is a system or structure's actual (conceptual, and never fully known) degree of resistance to harm.

In the rail context that could imply the system's vulnerability to threats from 3rd parties

Security / safety : A variation

So these definitions can be summarised as :

- Safety is protection against accidental events but these can come from internal causes (faults, errors, omissions...) and external causes (for example 3rd parties at level crossings)
- Security is protection against intentional damage (delinquency, attacks, terrorism....)

But some languages use the same word for both!!



Security / Safety : nature and responsibilities

Safety : prime responsibility of rail operators for the efficacy of the railway system, clearly defined

Security : less well understood - shared responsibility with national authorities

Security / safety : A common obligation

Customers expect both safety and security :

-  **When you entrust your travel to someone else you want to arrive safe and secure and you expect the carrier to have thought about risks or threats**
-  **When you travel by yourself you are only responsible of your behaviour and you accept risks from others**

Security / Safety : some links

A security incident can have safety consequences



Trespassing (person hit by a train)

(UIC safety database - 65% of the total of all accidents. Increasing trend - were 64% in 2007 and 59% in 2006 – nearly a 1000 fatalities and 500 serious injuries)



Destruction of signalling installations



Theft of equipment related to rail operation (cable, metals...)

- ↪ **There is a need for wider community responsibility to be taken in the development of solutions to combat such types of accidents**
- ↪ **UIC Safety Platform proposing a joint plan of action to combat risk from T&V**
- ↪ **Work closely with security colleagues**
- ↪ **2 areas of core activity within UIC**

Security / Safety : similar reasoning

- ↪ **The human element.....**
 - ❑ **Education of the wider population**
 - ❑ **Use personnel as the eyes and ears**
 - ❑ **Development of a safety and security culture**

- ↪ **Technology**

- ↪ **Common standards and procedures**

Security / Safety : your experiences

- ↪ **Keen to learn about other programmes – especially outside Europe**
- ↪ **Plan to come back at IRSC 2010 with some useful output**
- ↪ **This affects us all, partners are welcome!!**

To continue the debate.....

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✉ **UIC Website : <http://www.uic.org>**

European Level Crossing Awareness Day

25 June 2009



Objectives



- Raise awareness of the critical risks at level crossings/Improve safety at Level crossings
- Focus on education/promote safe behaviour of users and other actors at and around level crossings
- Develop the multi-modality of the issue
- Add value to national campaigns!

Искаш да живееш, наги? Тогава... спри! на прелеза

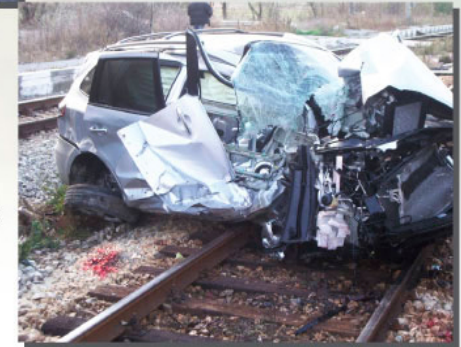


- В България има 823 жп прелеза
- България е на едно от ПЪРВИТЕ МЕСТА В ЕВРОПА по брой инциденти при преминаване на жп прелези
- При 98% от инцидентите ВИНАТА Е НА ШОФЬОРИТЕ на МПС

ЧЕРНА СТАТИСТИКА

2007–2008 г.

- 63 инцидента
- 6 с фатален изход
- 19 ранени



Bulgarian campaign poster

Level of success

Successful with 27 awareness measures/projects



Antonio Tajani

*European Commission
Vice-President and Transport
Commissioner*

“Road safety is a priority issue for the European Commission. Many of us, in one way or another have been touched by road accidents. This is why it is also my personal conviction that such initiatives should be encouraged. I therefore welcome that road and rail stakeholders have taken the initiative to tackle this challenge together. I am sure that activities like the European Level Crossing Awareness Day will help to improve the safety at level crossings.”



International Railway
Safety Conference



Båstad 28th September 2009

Follow-up of ELCAD

- ↪ **Planning a brochure on communicating best practices based on ELCAD**
- ↪ **Proposal for an International Level Crossing Awareness Day (ILCAD) – June 2010**
- ↪ **Strong commitment to continue to raise awareness – remember education is the key**

Tack så mycket

Thanks for your attention