



INTERNATIONAL UNION  
OF RAILWAYS

*unity, solidarity, universality*

## **The need for harmonization of technical standards in international railway transport**

ESCAP – UIC Session  
Bangkok, 13 March 2015

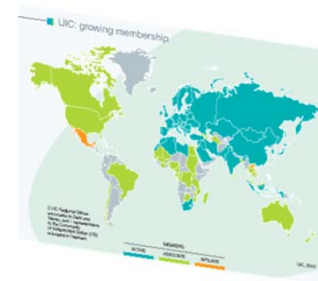
Jerzy Wisniewski, UIC Department Director

# International Union of Railways (UIC)

## *The Worldwide Organisation for Railway Cooperation*

### ➤ UIC members may be:

- Railway companies.
- Infrastructure managers.
- Railway or combined transport operators, rolling stock and traction companies.
- Service providers: rail catering, night trains, public transport, shipping lines.



### ➤ 200 members across 5 continents

### ➤ UIC activities focus on:

- **Standardisation**
- Customer attractiveness / new services
- Environment, Sustainable Development
- Safety & Security
- Freight / Freight corridors
- Signalling
- Research & Innovation





# Missions

- **Promoting rail transport around the world** with the aim to meet current and future challenges of mobility and sustainable development.
- **Promoting interoperability, creating new world standards for railways, including common standards with other transport modes.**
- **Developing and facilitating all forms of international cooperation** among members, facilitating the sharing of best practices (benchmarking).
- Supporting members in their efforts to **develop new business and new areas of activity.**
- Proposing new ways to **improve technical and environmental performance of rail transport**, boosting competitiveness, reducing costs and being always more attractive towards rail customers.

More information: [www.uic.org](http://www.uic.org)

## Integration with other modes – rail freight

- > **Intermodal transportation** is the movement of goods in one and the same loading unit or road vehicle, using successively two or more modes of transport without handling the goods themselves in changing modes.
- > The **combined transport** segment is the segment which is growing most rapidly compared to the other freight businesses.
- > Between 1988 and 2008 international unaccompanied **combined transport** (in tonnes) increased by 215% and between 2002 and 2015 it is expected to grow by 135% (*Source: Study On Infrastructure Capacity Reserves For **Combined Transport** By 2015*).

# Integration with other modes – passenger rail

## > Rail and integrated ticketing

Cities across the world have integrated rail into their Smartcard public transport ticketing systems (Singapore, London, Paris, Sydney)



Oyster Card - London

## > Rail stations are transport hubs

Rail stations provide interchange with other modes - bus, taxi, car, cycle and pedestrian



Cycle Station – Washington DC

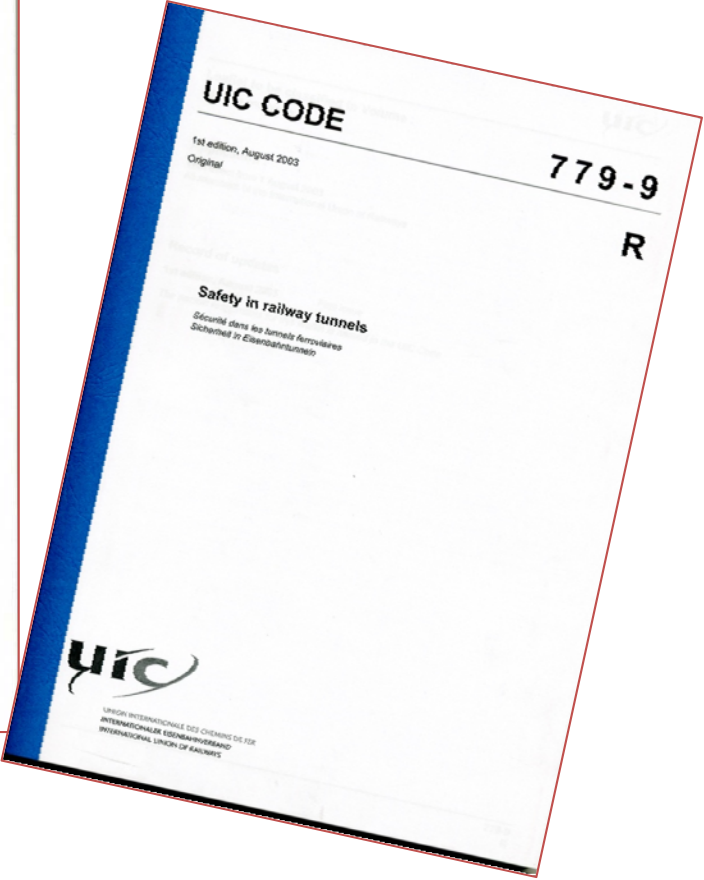
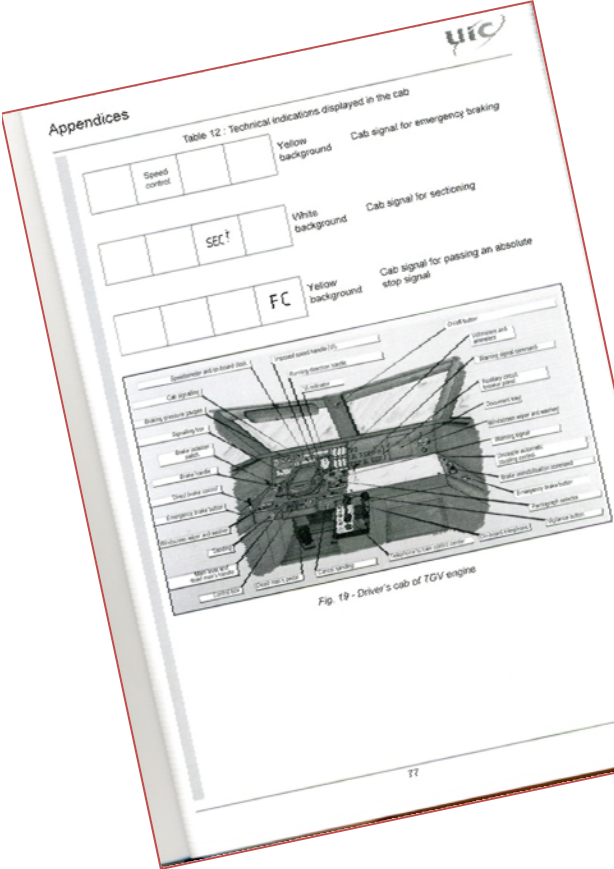
## > Links with other modes

Rail links to airports and ports provide congestion-free, low-carbon access for passengers and services



Beijing Airport Rail Link

# UIC Leaflets - Railway Standards



# UIC Standardisation - Overview

Since 2012 within UIC the Standardisation issues have been managed by the Standardisation Platform -its working body, created by the General Assembly from which it depends.

The Standardisation Platform implements the guidelines and the strategies decided by the UIC General Assembly.

## Mission

- 1.** Coordination of the International Railway Standards developed by and asked to the UIC Forums (Statutory working bodies)
- 2.** Identification and coordination of the Clusters business cases oriented
- 3.** Coordination of the updating of the UIC Leaflets
- 4.** Identification and coordination of the standardisation of the Railway Operating Rules
- 5.** Definition and negotiation of the Cooperation Agreement with the other Standardisation Organisations



[https://www.yunbaogao.cn/report/index/report?reportId=5\\_4402](https://www.yunbaogao.cn/report/index/report?reportId=5_4402)

预览已结束，完整报告链接和二维码如下：



## isation - Status

UIC is progressing in a phase where studies, strategies and producing the expected results.

Platform (SP) is working hard to connect railway standards in a fully onal system vision and in their possibility of use for the products of the mmunity.

underlines these approach are ongoing and involve all UIC Forums and integration, thank to the coordination given by the SP, is relevant and ite and to map the needs of the UIC Members.

