

# Marco Polo Project DESTINY: Putting standards into practice - update

IRU Group of Experts on Intermodal Transport and Logistics GETIL  
Brussels, March 5, 2014

Martin Burkhardt, Director General  
International Union for Road-Rail combined transport



# Outline of the project

- **Standardisation**
  - great way to enhance the efficiency by a commonly agreed, homogeneous best practice.
  - particularly true in intermodal transport which involves numerous actors.
- **Standards can only deliver their beneficial effects if they are applied and eventually become a part of daily best practice.**
- **DESTINY proposes to facilitate the deployment of existing standards related to:**
  - **EN13044 (identification and codification of intermodal loading units)**
  - Safety (Cargo Securing)
  - Dangerous Goods

# The consortium

- Coordination

**UIRR scrl (Belgium)**

- Action partners

**SGKV (main consultant)**

**Hupac Intermodal BVBA (CT operator)**

**KombiConsult (consultant specialised in CT)**

**Kombiverkehr (CT operator)**

**Mari Term (specialised in cargo securing)**

**Novatrans (CT operator)**

**Terminali Italia (Terminal Operator)**

- Project duration

**24 months (Start: 1st September 2012)**

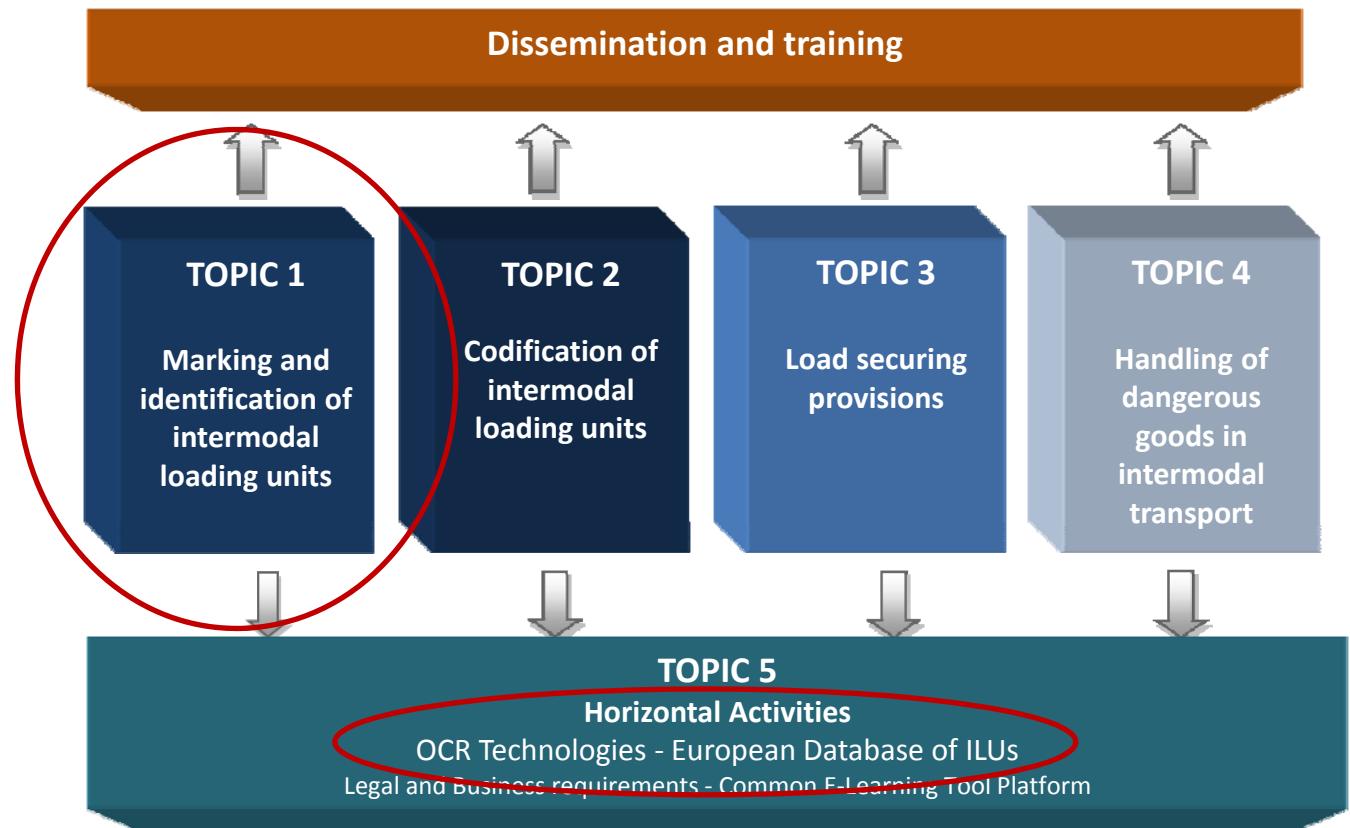
# Unique dissemination network



15 Associations  
officially support  
**DESTINY**  
(more will join the network  
during project duration)

# Topic structure

**Topic 1 and 5  
related to  
the ILU-Code**

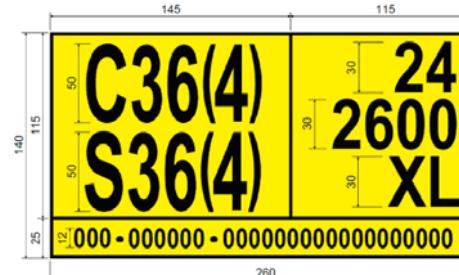


## 'New system' – Overall objective of EN 13044 (revision in 2010)

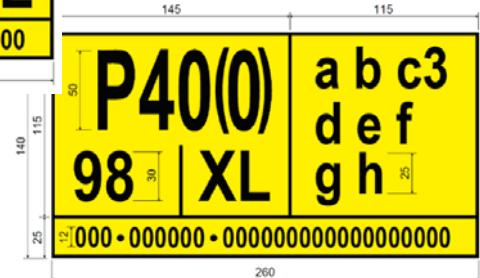
Simplification of the procedure: a clear separation of the owner-identification and of the technical characteristics of the loading unit

Owner-Key	Registration number	Check digit
ABC A	001234	2
<a href="http://www.ilu-code.eu">www.ilu-code.eu</a>		
Reserve an ILU-Code	Free choice by the owner	Calculate the check digit

Part 1 – ILU-Code



Parts 2 & 3  
Codification plates



## Problem solved by EN13044: Different owner identification systems



BIC-Code for containers  
worldwide recognised  
with check-digit

Codification plate  
for swap-bodies  
lower part: owner-  
id not very visible



Number  
plate for  
semi-trailers

## The solution: ILU-Code defined in EN13044-1

Owner-Key	Registration number	Check digit
<b>ABCA</b>	<b>001234</b>	<b>2</b>

 Reserve an ILU-Code     
  Free choice by the owner     
  Calculate the check digit

**[www.ilu-code.eu](http://www.ilu-code.eu)**

- Check-digit reveals 95% of data entry errors
- Suitable for OCR (automatic gates)
- Priority access to „Fast lanes“
- No new codification when selling ILUs
- Compatibility with BIC-Code for containers

### Advantages

- Everybody can easily trace the owner (via Internet and Smartphone)
- Owners receive reliable tracking und tracing information



## For the first time the revision of the standard is accompanied by a deployment plan

(Unanimous decision of INTERUNIT General Assembly – Brussels – October 2010)

**UIC railway undertakings and UIRR operators have decided:**

- **From July 2011, UIRR will start issuing the ILU-Codes, new codification plates shall be used.**
- **After a three-year transition period, from July 2014, only loading units equipped with a BIC- or an ILU-Code will be accepted at terminals.**
- **After an eight-year transition period, from July 2019, every loading unit will have to be fitted with the new codification plate.**

## UIRR is administrator of the ILU-Code Launch of the [www.ilu-code.eu](http://www.ilu-code.eu) website on July 1<sup>st</sup>, 2011

**Downloads:**  
**Info-folder in 10 languages**

The screenshot shows the ILU-Code website's homepage. On the left, there's a sidebar with links like 'Welcome' (circled in red), 'About ILU-Codes', 'General Terms', 'FAQ', 'Links', 'Latest news', and 'Contact'. The main content area has a green header with the ILU-Code logo and navigation tabs: 'Standardised Owner-codes', 'Client Access' (with login fields), and 'Forgot password?'. Below these are sections for 'New markings of intermodal loading units in Europe', 'Intermodality and standardisation', and 'The new EN 13044 standard for the marking of intermodal loading units simplifies the access to Combined Transport and further efficiency improvements'.

The brochures are titled 'Nove označení za intermodální vozidla' (New markings for intermodal vehicles). They feature the ILU-Code logo and text about new markings for intermodal loading units in Europe, including quotes from Jim Kallas and Gábor Szilágyi, and details about the EN 13044 standard.



**ILU-Code - ILU-Code Stickers - Windows Internet Explorer**  
<http://www.ilu-code.eu>

File Edit View Favorites Tools Help

English Deutsch Français

Search...

**ILU-Code**  
identification of Intermodal Loading Units in Europe

Welcome About ILU-Codes General Terms FAQ Links Latest news Contact

Reserve an ILU-Code  
Consult the ILU-Code Register  
Calculate the check digit  
ILU-Code Stickers  
Photo gallery  
Info-folder

## ILU-Code Stickers

### Marking your loading units with ILU-Codes

UIRR is the administrator of the ILU-Code Owner-keys. The owners of intermodal loading units have to mark their loading units under their own responsibility. For new units, the producer often proposes also the owner marking as additional service to its customer.

The owner marking for existing loading units may be done by painting the codes or sticking letters or labels on the unit. UIRR was approached by several ILU owners asking for support. In order to facilitate the marking of ILUs for all owners, UIRR found a reliable and experienced partner and can now offer ILU-Code stickers as additional service for all ILU-Code owners.

### How to order ILU-code stickers ?

You need to be a registered ILU-Code holder to order the stickers.  
 Access the password-protected customer section where you find all details about stickers and prices and you may order your stickers on-line.

If you are not registered on the ILU-Code website, please contact the ILU-Code support by email: [administration@ilu-code.eu](mailto:administration@ilu-code.eu) or by phone: +32 2 548 78 94.



**UIRR Administrator of the ILU-Code**

## Additional Service available

**ILU-Code holders should mark their loading units with the new ILU-Codes as soon as possible.**

In order to ease the process of marking for all customers, UIRR proposes with the support of a reliable partner as additional service the purchase of ILU-Code stickers on [www.ilu-code.eu](http://www.ilu-code.eu)



## DESTINY: Best practice report, interviews with logistic companies, railway undertakings, CT operators and terminal managers

### Acceptance by all concerned actors

- No doubts about the usefulness of the ILU-Code

### Available Information

- The questions to the ILU-Code hotline mainly concern points that are already well documented on the website. But people want to be sure.

### Loading unit owners

- Main concerns about the marking of old loading units.
- Approaching the deadline of July 2014: what will happen for units not marked?

### Codifying entities

- Divers information from some railway undertakings – solved with revision of UIC CT-leaflets

### Producers of loading units

- Want to deliver loading units already marked intermodal compliant

## Consensus to keep the deadline.

A final press and information campaign in March to June 2014

- **UIRR operators**

- ILU-Code reference in all mailings with customers (bookings, commercial mailings, invoices)
- Updated booking procedures (check if customer books with or without ILU-Codes)
- Press articles
- Targeted workshops

- **Terminal operators (AGORA-Group)**

- Letters to all 'customers' (CT operators)
- Company specific measures after 1<sup>st</sup> July 2014
- (negative) measures on the 1<sup>st</sup> January 2015

- **UIC railway undertakings**

- Letter to all UIC members on the revised UIC leaflets on Combined Transport
- Letter to all 'customers' on the ILU-Code with a commitment to refuse loading units without ILU-Codes from 1<sup>st</sup> January 2015 (for all CT trains regardless the CT operator)

State of the play 04.03.2014

- 472 registered owner-keys from companies of 20 European countries

**For all Combined Transport Customers:**

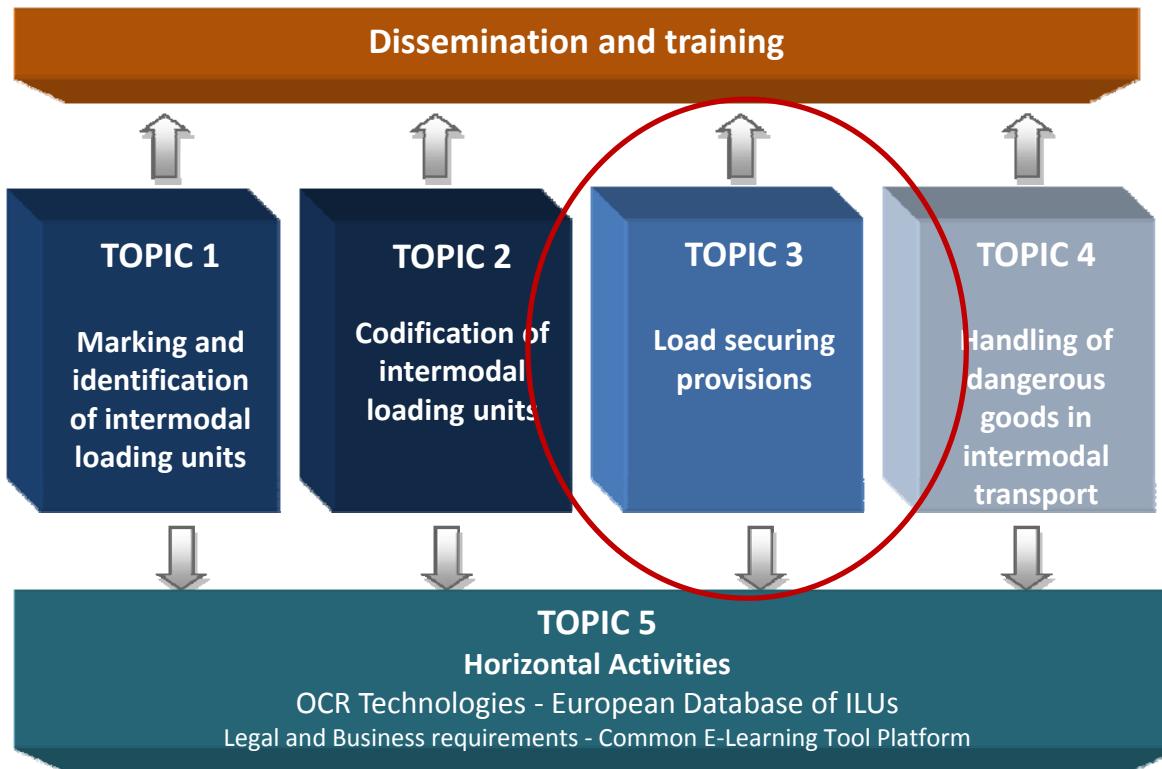
**It is high time to register an owner-key and to mark all swap-bodies and craneable semi-trailers that are used in CT on rail.**

... or BIC-Code for (maritime) containers



4th printed edition January 2014  
 Everybody may at anytime consult the register online: [www.ilu-code.eu](http://www.ilu-code.eu)

# Topic structure

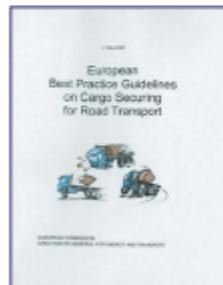


## Load securing provisions

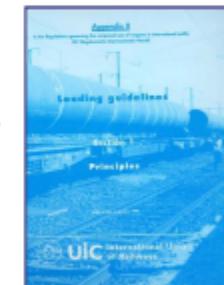
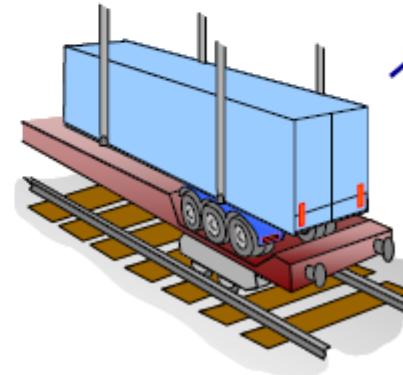
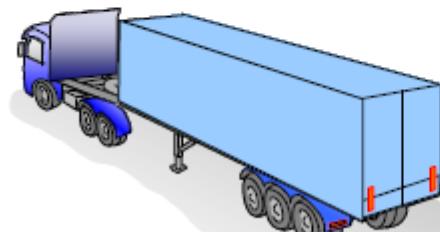
- Analysis of the current standards
- Analysis of the current needs
- Common guidelines for intermodal

## Comparison road – rail basic requirements

### *Basic Cargo Securing Principles*



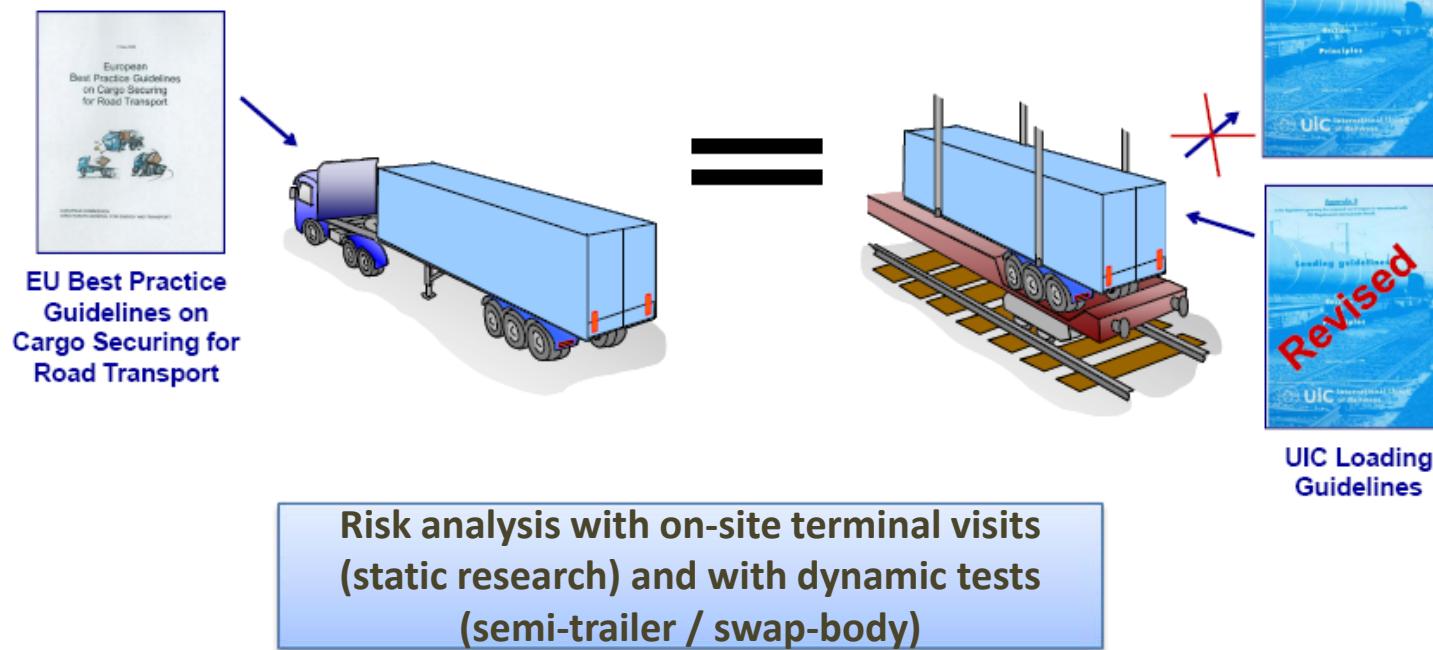
**EU Best Practice Guidelines on Cargo Securing for Road Transport**



**UIC Loading Guidelines**



Cargo secured according to the road regulations can in principle also be safely transported in combined rail transports. Some extra arrangement may be required to prevent movements due to vibrations.



European  
Best Practice Guidelines  
on Cargo Securing  
for Road Transport



EUROPEAN COMMISSION  
DIRECTORATE-GENERAL FOR ENERGY AND TRANSPORT

Under revision  
(EN 12195-1:2010  
on cargo securing)

Reference in the  
Roadworthiness package

## Together for proper load securing



**Safe load securing checklist**

Stay safe and compliant!

Correct loading and securing of goods on most vehicles is essential in ensuring safety for drivers, passengers, and other road users. The IRU has developed this checklist of recommendations for safe loading and load securing.

Before loading a vehicle	
Make sure that the vehicle, if applicable, is suitable for transport of the specific load.	Determine the load and cargo to be transported, including dimensions, weight, type of load, and any specific requirements.
Make sure that the truck platform and the vehicle's floor is appropriate for the load and that there is no risk.	Determine the number and type of warnings and/or sensors to detect the risks.
Determine the optimal loading sequence for the intended load.	Determine the number of points of load and other securing methods required for the load, and how best to secure the load.

**While loading and securing the load**

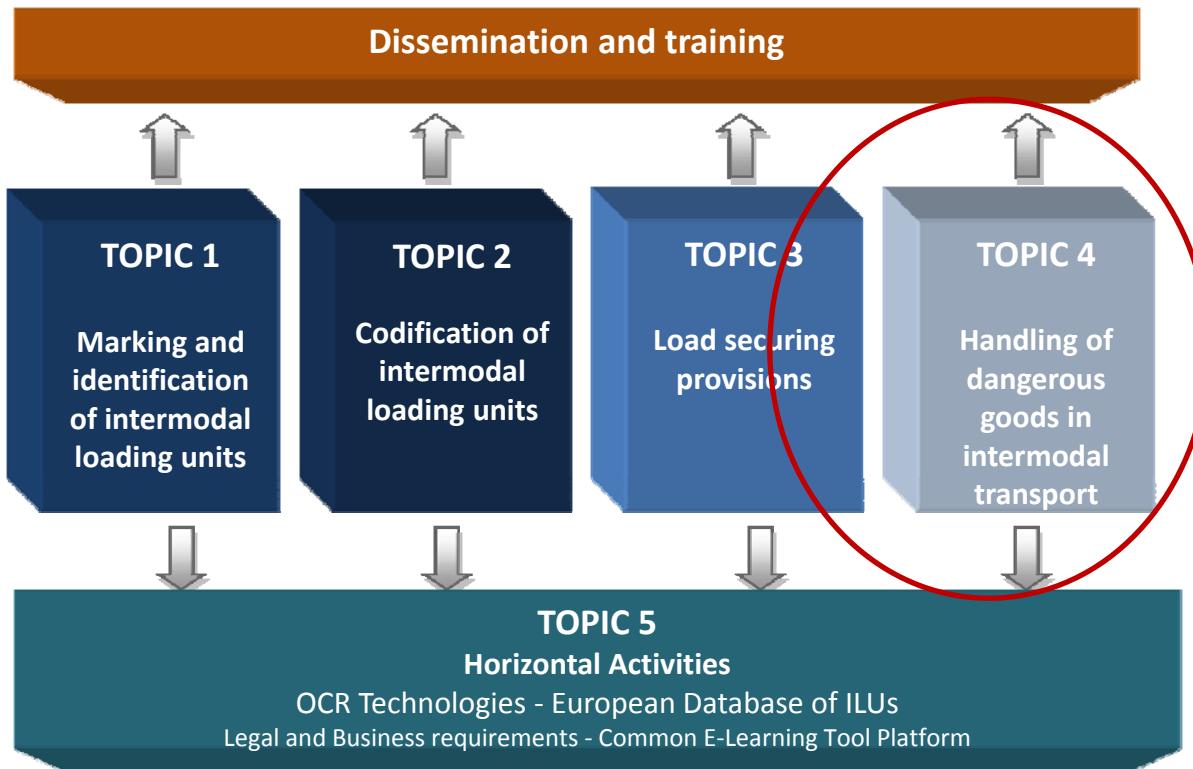
Load in accordance with the intended vehicle weight.	Arrange load under its individual gross weight, group load at the top, reduce the bottom.
Load cargo in accordance with the intended vehicle's load distribution.	Load in accordance with the planned unloading sequence.

**IRU**  
International Road Transport  
Union

IRU  
Safe load securing  
checklist

Goods not secured  
according to UIC neither  
'Best Practice Guidelines'

# Topic structure



**Dangerous Goods**

- Market Analysis
- Analysis of national regulations
- Leaflets

