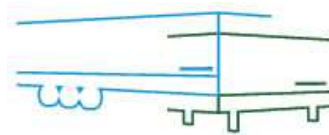


New Markings of Intermodal Loading Units in Europe

EN 13044 ILU-Code and Codification Plate

Martin Burkhardt - Director General - UIRR

International Union of combined Road-Rail transport companies



ILU-Code

The European standard EN 13044

With the revision in 2010 the standard was split in three parts:

Part 1 Markings for identification (ILU-Code)

Part 2 Markings for swap-bodies related to rail operation (codification plate)

Part 3 Markings of semi-trailers related to rail operation (codification plate)

EN13044 (1) owner id

problem solved:

Different owner identification systems



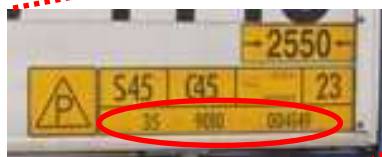
BIC-Code for containers
worldwide recognised
with check-digit



Number
plate for
semi-trailers



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



Solution: ILU-Code compatible to the BIC-Code

The BIC-Code according to ISO 6346 is worldwide recognised, but the capacity is limited to 17.000 codes.

In the USA the National Motor Freight Traffic Association (NMFTA) allocates “Standard Carrier Alpha Codes” (SCAC) to identify freight carriers and their loading units.

Both owner codes have the same structure, NMFTA has an agreement with BIC, not to use the “U” as fourth character which is reserved for the worldwide recognised BIC-Code.

For European intermodal loading units a similar “ILU-Code” was defined. Duplication with SCAC is no problem as swap bodies and semi-trailers do not leave the “European region”.

ILU-Code defined in EN13044-1

Compatible with BIC-Code for Freight Containers

Owner key - Registration Number - Check Digit

ABCA 001234 2

Owner key:

Allocation by UIRR

Registration No:

Allocation by owner

Check Digit:

Calculation based on standard formula

4th character of Owner key: "A, B, D, E, K"

"K" reserved for BIC-Code holders who wish to register an ILU-Code.

Both owner-codes, the worldwide recognised BIC-Code for freight containers and the ILU-Code for European intermodal loading units have the same structure. The BIC-Code has a "U" as fourth character and is administered by the Bureau International des Containers, Paris.

Standardisation raises productivity

Advantages of harmonised owner identification	for			
	Haulier	CT-OP	RU	Customs
Uniform owner ID: BIC-Code for ISO-containers, ILU-Code for swap-bodies and semi-trailers	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Simplified access to CT, ILUs codified by manufacturer	<input checked="" type="checkbox"/>			
All ILUs suitable for combined transport		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Logistic companies number ILUs according to their own criteria (the six digits of the BIC- or ILU-Code)	<input checked="" type="checkbox"/>			
When selling/purchasing ILUs, no new codification	<input checked="" type="checkbox"/>			
Savings: Check digit detects 95% of type errors	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Suitable for OCR (Optical Character Recognition)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Higher standard in the field of safety and security	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Compatibility to TAF-TSI - data exchange in rail sector		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Deployment plan for EN 13044

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

UIC railway undertakings and UIRR operators have decided:

- From July 2011, UIRR will start issuing the ILU-Codes, operational marking will be using the new codification plates.**
- 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.**

Dedicated website: www.ilu-code.eu

ILU-Code
identification of Intermodal Loading Units in Europe

English Deutsch Français

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

Reserve an ILU-Code
Consult the ILU-Code Register
Calculate the check digit

Client Access
Login
Password
Access
Forgotten password?
Forgot login?

Latest news
Issuance of the ILU-Code begins today (UIRR - 01.07.11)
PDF - 600KB
A new era for the marking of intermodal loading units begins on 1 July 2011 (DVZ - 12.05.2011)
PDF - 1MB (German)

Welcome to the ILU-Code platform

The standard EN 13044-1 introduces an owner-code for the identification of European intermodal loading units (e.c. swap-bodies, semi-trailers), the ILU-Code, which is compatible with the worldwide BIC-Code used for containers according to ISO 6346.

The standard names the International Union of Railways (based in Brussels) as the Administrator of the ILU-Code

© UIRR 2011 - T. +32 2 540 00 00

Webdesign by Tostaty

UIRR as administrator of the ILU-Code started the multilingual website on 01/07/2011

About ILU-Codes: Information

Public part of the website

The screenshot shows the ILU-Code website interface. The 'About ILU-Codes' link in the navigation menu is circled in red. The main content area is titled 'Standardised Owner-codes' and includes a table with the following data:

Owner-key	Registration number	Check digit
Allocation by UIRR	Free allocation by owner	Given calculation procedure
ABCA	001234	2

Below the table, there are two bullet points explaining the benefits of the standardization, such as simplifying electronic data processing and distinguishing owner identification from operational marking.

Downloads:
Info-folder in
several languages

The image shows a downloadable info-folder titled 'Nove oznake za intermodalne nakladalne enote v Evropi'. It features a green header with the ILU-Code logo and a photograph of a man in a suit. The text is in Slovenian and discusses the implementation of the EN 13044 standard for intermodal loading units across Europe.

ILU-Code Register

Public part of the website

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 Register

The "Search" button helps you identify owners of individual loading units or obtain lists of owners according to specific search criteria.

Browse all data (sorted by creation date)

A - B - C - D - E - F - G - H - I - J - K - L - M - N - O - P - Q - R - S - T - U - V - W - X - Y - Z - ALL

Show 10 entries Search:

Date	Owner-Key	Company	Country	City
01.07.2011	XYZA	Union Internationale des sociétés de transport combiné Rail -Route	BE	Brüssel

Showing 1 to 1 of 1 entries First Previous 1 Next Last

Administrator of the ILU-Code

© UIRR 2011 - rue Montoyer 31 bte 11 - B - T. +32 2 548 78 94 - administration(@)i

Webdesign by Toslaky

The ILU-Code Register is public and can be queried by all actors of the transport chain

FAQ

Public part of the website

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

FAQ

Click to open/close the FAQ.

- ▶ Our company already has a BIC-Code. Do we also need to have an ILU-Code?
- ▶ Why is the 4th letter of the ILU-Code limited to A, B, D, E and K?
- ▼ Why can't I find the EN13044 standard on your website?

CEN and national standardisation organisations receive their financing through the selling of standards. UIRR therefore is not entitled to publish the text of the standard on its website. However the most important clauses are quoted. You can find a list of national standards organisations and CEN - from where you may purchase a copy of the standard - if you click here (www.cen.eu).
- ▶ How am I protected against the illegal use of my code by others?
- ▶ Are the ILU- and BIC-Code compulsory?
- ▶ Why should I renew my code after two years?
- ▶ What happens if the loading units are sold?
- ▶ Where should I place my ILU-Code on a loading unit?
- ▶ What are the costs for the allocation of an ILU-Code ?
- ▶ I've lost my login, what can I do ?

Administrator of the ILU-Code

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T. +32 2 548 78 94 - administration(@)ilu-code.eu

Webdesign by Testaky

Reserving a code begins with pre-registration

Public part of the website

The screenshot shows the ILU-Code website interface. The browser title is "ILU-Code - Reserve an ILU-Code - Windows Internet Explorer" and the URL is "http://www.ilu-code.eu/en/reserve-a-code". The page features a green header with the ILU-Code logo and navigation links. A sidebar on the left contains three buttons: "Reserve an ILU-Code" (highlighted with a red box), "Consult the ILU-Code Register", and "Calculate the check digit". The main content area is titled "ILU-Code procedure" and includes a "Client Access" login form. The procedure is detailed in three steps: PRE-REGISTRATION, CHOICE OF AN ILU-CODE, and ALLOCATION OF THE ILU-CODE. A blue callout box is overlaid on the right side of the page.

Reserve an ILU-Code

ILU-Code procedure

The ILU-Code is used for the identification of swap-bodies and semi-trailers in the European area (please note that ISO containers require a BIC-Code). In order to ensure the course of the transport and the security, third parties (partners of the transport chain, Customs, fire brigade, etc.) need to rely on the information regarding the owners registered in the databank. During the reservation, a verification is carried out to make sure that the requesting company has a legitimate interest in registering an owner key for ILU-Codes (for details, pls. check the [General Terms](#), [FAQ](#)).

The reservation of an ILU-Code is executed in three steps:

STEP 1 - PRE-REGISTRATION

1. Register your company, choose an username and pa
2. As administrator of the ILU-Code, the UIRR will verify t
3. You will receive an email confirming the activation of y

STEP 2 - CHOICE OF AN ILU-CODE

1. With your login and password enter the Customer Are
2. Choose the option 'Reserve a Code'.
3. Choose your 'ILU-Code Owner-key' (4 letters).
4. Pay via Credit Card or bank transfer. Initial fee of 250 €

STEP 3 - ALLOCATION OF THE ILU-CODE

1. After receipt of payment, you will receive a confirmation Key certificate.
2. With the official certificate, you may mark all your european intermodal loading units.

START WITH STEP 1 - YOUR PRE-REGISTRATION

Client Access

Login

Password

Access

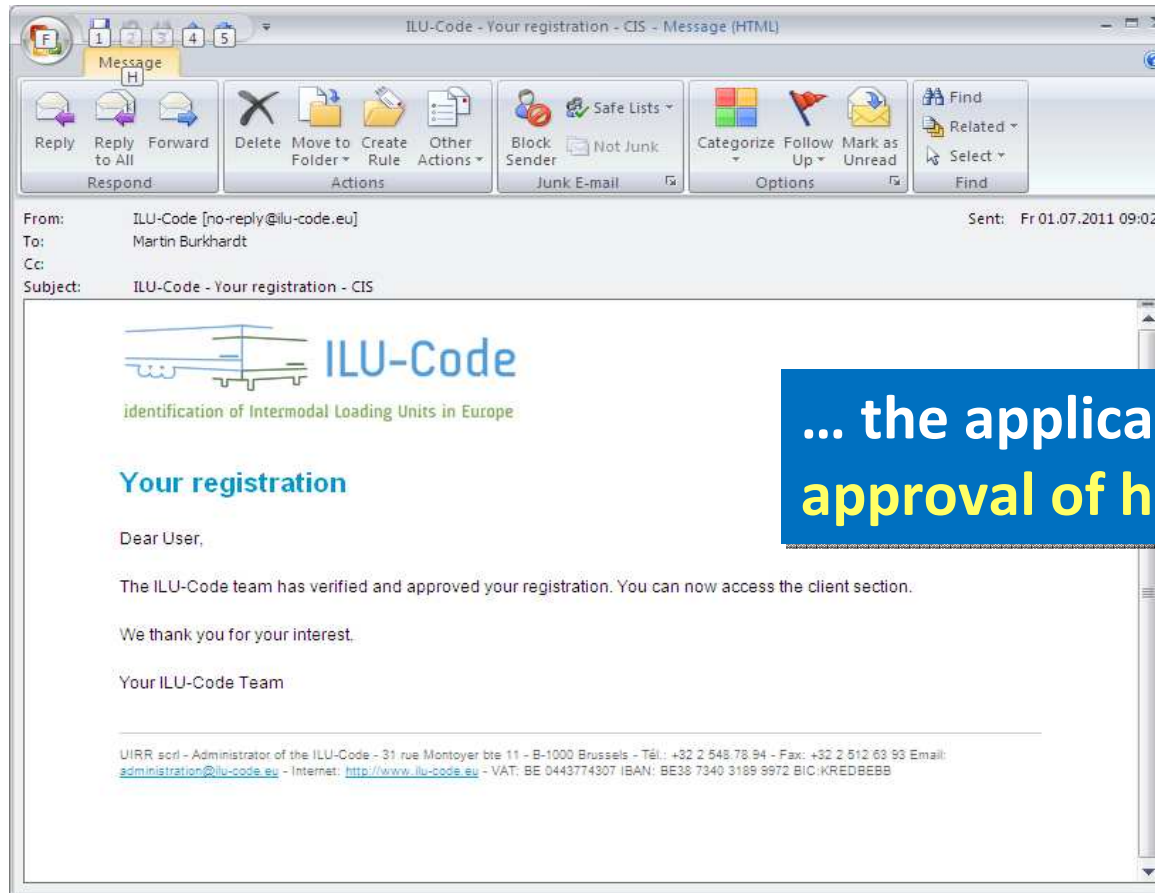
[Forgotten password?](#)
[Forgot login?](#)

The procedure is explained in the public part of the website and begins with the pre-registration of the company who wants to register a code



Approval of the registration

**UIRR verifies the existence and interest of the applicant:
VAT number, UIRR customer code, companies website, ...**



... the applicant receives the approval of his registration by email

Choice of ILU-Code

Client section of the website

After receipt of the approval the applicant re-enters the client section of the website with his username and password and chooses a code.

The screenshot shows a web browser window displaying the ILU-Code website. The page title is "Reserve an Owner-Key" and it is part of a three-step process. The user is logged in as "Uirr-Montoye". The form asks the user to choose their Owner-Key by entering letters in boxes. The first three boxes contain 'X', 'Y', and 'Z'. The fourth box contains 'B' and a dropdown arrow. Below the boxes, it says "Code available" with a green checkmark. A "Continue" button is visible. The footer contains contact information for UIRR 2011.

**4th letter:
choice between A, B, D, E
or K for BIC-Code holders**

Payment



Client section of the website

The applicant may pay online with Visacard, Mastercard, Maestro or by bank transfer.

The screenshot shows a web browser window titled "ILU-Code Online Payment Zone - Windows Internet Explorer". The address bar shows the URL "https://secure.ogone.com/ncol/prod/orderstandard.". The page features the ILU-Code logo and the text "the identification of Intermodal Loading Units in Europe". Below this, the heading "ILU-Code Online Payment Zone" is displayed. A summary box contains the following information: Order reference: ICO-110704-006, Total charge: 302.50 EUR, and Beneficiary: UIRR SCRL. The payment section is titled "Pay with:" and includes logos for MasterCard and VISA. It contains input fields for "Card holder's name*", "Card number*", "Expiry date (mm/yyyy)*" (with dropdown menus), and "Card verification code:". A "What is this?" link is next to the verification code field. A note indicates "* Mandatory fields". A blue button labeled "Yes, I confirm my order" is positioned below the form. At the bottom of the payment section, there are logos for MasterCard SecureCode and VERIFIED by VISA, a central "ogone" logo with links for "About Ogone", "Privacy policy", "Security", and "Legal info", and a VeriSign Secured logo. A "Cancel" button is also present. The footer of the page contains the copyright information: "© UIRR 2011 - rue Montoyer 31 bte 11 - B - 1000 Brussels" and "T. +32 2 548 78 94 - administration(@)ilu-code.eu".

Invoice + Certificate

After receipt of the payment, UIRR sends invoice and certificate by email, also always available in the customer section of the website.

 Verwalter des ILU-Codes		 die Identifizierung intermodaler Ladeeinheiten in Europa		
Rechnung: 2011 / 001 Bestellung # ICO-110701-001 ILU-Code Eigentümerschlüssel: XYZA MwSt./Registrierungsnummer: BE 0443774307		Union Internationale des sociétés de transport combiné Rail-Route Martin Burkhardt Rue Montoyer 31 1000 Brüssel Belgien		
		Brüssel, 01.07.2011		
Beschreibung	Anzahl		Stückpreis (netto in €)	Tarif (in €)
Reservierung eines ILU-Code Eigentümerschlüssels (XYZA)	1	21	250,00	250,00
gedruckte Rechnung	1	21	10,00	10,00
gedrucktes Zertifikat	1	21	10,00	10,00
Zwischensumme (ohne MwSt.)				270,00
Mehrwertsteuerbetrag:				56,70
Summe mit MwSt:				326,70
Bezahlung in Ordnung				
UIRR srl - Administrator of the ILU-Code - 31 rue Montoyer bte 11 - B-1000 Brussels - T.: +32 2 548.78.94 - Fax: +32 2 512 63 93 Email: administration@ilu-code.eu - Internet: http://www.ilu-code.eu - VAT: BE 0443774307 IBAN: BE38 7340 3189 9972 - BIC: KREDBEBB				




 Verwalter des ILU-Codes


 die Identifizierung intermodaler Ladeeinheiten in Europa

ILU-Code Certificate

Die INTERNATIONALE VEREINIGUNG DER GESELLSCHAFTEN FÜR DEN KOMBINIERTEN VERKEHR SCHIENE
 STRASSE UIRR bestätigt hiermit als Verwalterin des ILU-Codes entsprechend der europäischen Norm EN13044-1 und
 den Allgemeinen Bedingungen der ILU-Code-Vergabe

Der ILU-Code Eigentümerschlüssel:

XYZA

wurde vergeben an:

Union Internationale des sociétés de transport combiné Rail-Route
 Rue Montoyer 31
 1000 Brüssel
 Belgien

Der Kodeinhaber ist berechtigt alle seine für die Nutzung in Europa bestimmten Ladeeinheiten (ausgenommen ISO-Container) entsprechend der europäischen Norm EN 13044-1 zu markieren.

Der ILU-Code ist für 2 Jahre gültig bis: **01.07.2013**

Um die Gültigkeit des Codes zu verlängern sollte der Kodeinhaber rechtzeitig bevor der Code abläuft die Erneuerung beantragen.

Alle Adressänderungen der Firma sollten unverzüglich der UIRR mitgeteilt werden.

Die gesamte Kommunikation sollte elektronisch via Internet abgewickelt werden.: www.ilu-code.eu

Brüssel, 01.07.2011

Das Zertifikat wurde ausgestellt durch:



UIRR srl - Administrator of the ILU-Code - 31 rue Montoyer bte 11 - B-1000 Brussels - T.: +32 2 548.78.94 - Fax: +32 2 512 63 93
 Email: administration@ilu-code.eu - Internet: http://www.ilu-code.eu - VAT: BE 0443774307
 IBAN: BE38 7340 3189 9972 - BIC: KREDBEBB

09/11/2011

Utilities

Public part of the website

The screenshot shows the public part of the ILU-Code website. The browser window title is "ILU-Code - Calculate the check digit - Windows Internet Explorer". The URL is "http://www.ilu-code.eu/en/calculate-the-check-digit". The website has a green header with the ILU-Code logo and the text "identification of Intermodal Loading Units in Europe". There are language options for English, Deutsch, and Français. A search bar is present. The main navigation includes links for Welcome, About ILU-Codes, General Terms, FAQ, Links, Latest news, and Contact. On the left, there are three utility buttons: "Reserve an ILU-Code", "Consult the ILU-Code Register", and "Calculate the check digit" (highlighted with a red border). The main content area is titled "Calculate the check digit" and contains a description of the methodology. Below the text is a form with input fields for Owner-key (A, B, C, D) and Registration number (0, 0, 1, 2, 3, 4). The resulting Check Digit is shown as 1. On the right, there is a "Client Access" section with login and password fields and an "Access" button. The footer includes the EA logo, contact information for UIRR, and a copyright notice.

English Deutsch Français

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

Calculate the check digit

The methodology for calculating the check digit for each loading unit is described in the annex A of the standard EN 13044-1. Our code generator automatically calculates the check digit after encoding the owner-key and the registration number.

A	B	C	D	0	0	1	2	3	4	
Owner-key (letter only)				Registration number (digit only)						Check Digit
A	B	C	D	0	0	1	2	3	4	1

Client Access

Login
Password
Access
Forgotten password?
Forgot login?

EA
Administrator of the ILU-Code

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Webdesign by Tostaky

Calculating the check-digit for marking of each loading unit

Marking the ILUs



The owner marks his loading units

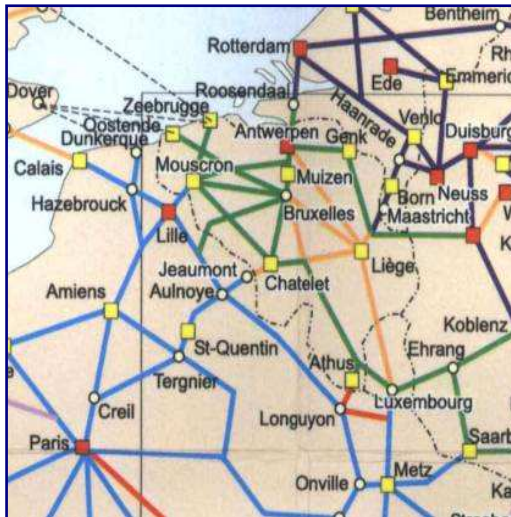
EN 13044 (2, 3) Operational marking: Codification

A system based on three elements:



Approval of the ILU with
Identification plate on the ILUs

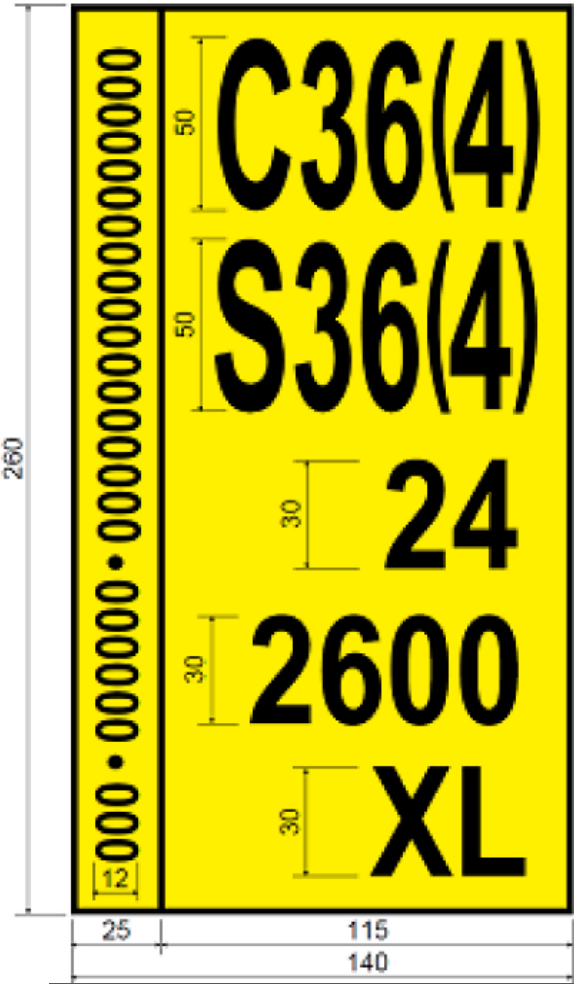
Markings on the wagons



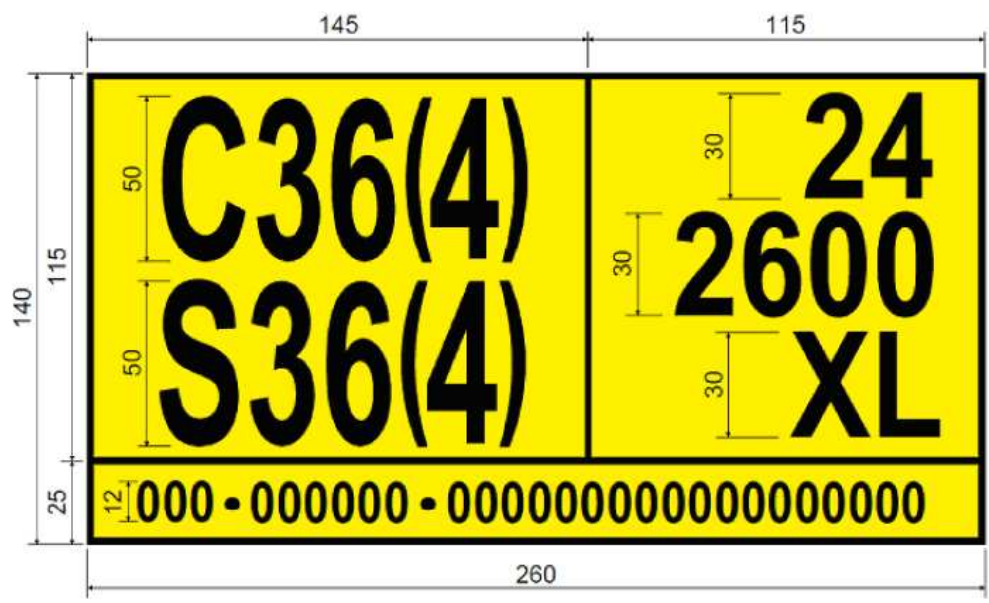
Codification of the lines

Important for secure and fast operations

Codification of swap-bodies

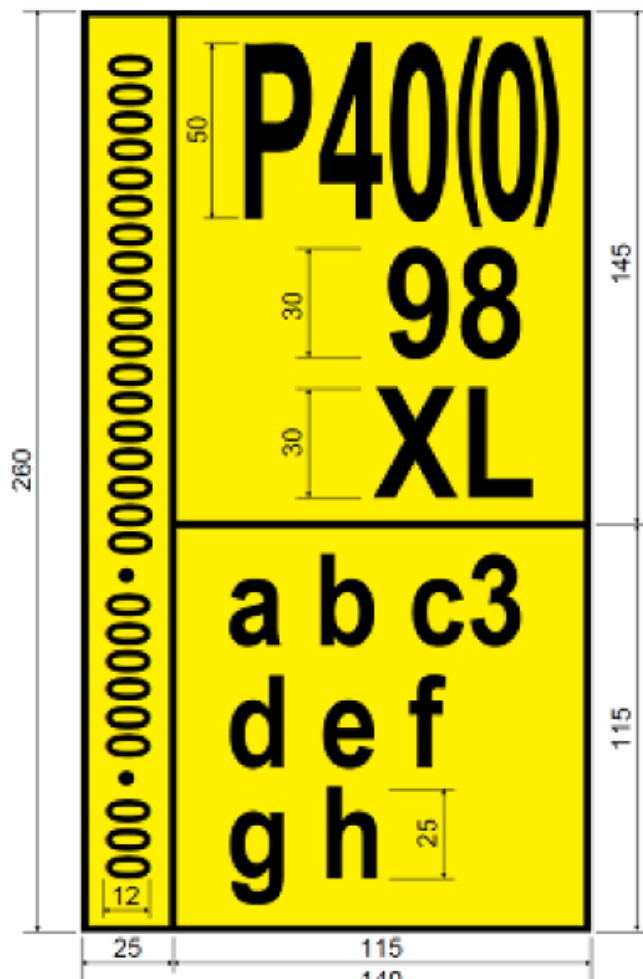


EN 13044 Part 2
Markings for swap-bodies related to rail operation (codification plate) optional horizontal or vertical

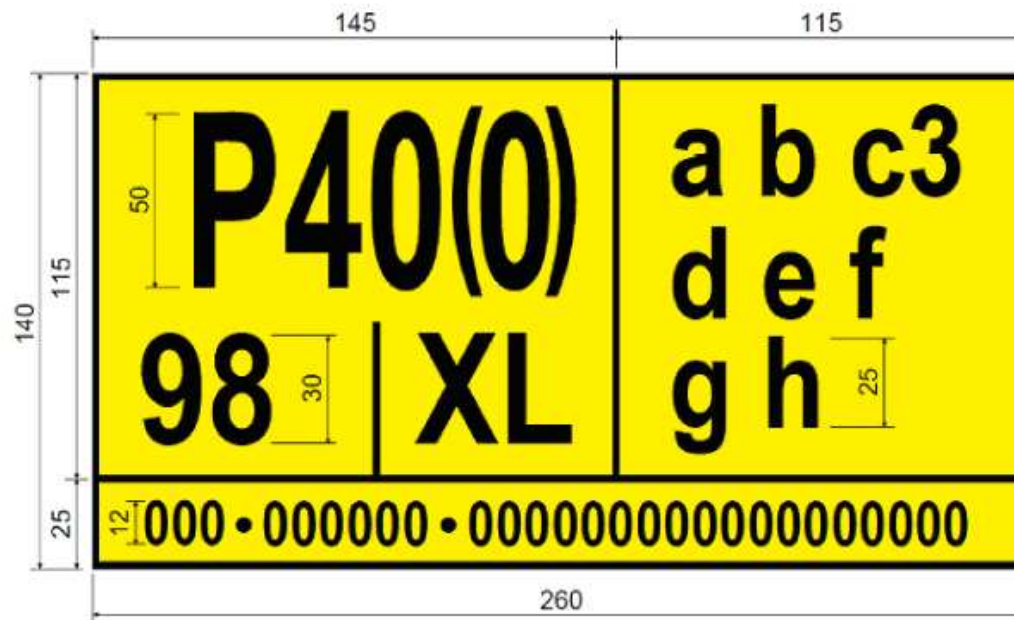


most manufacturers will deliver ILUs with codification

Codification of semi-trailers



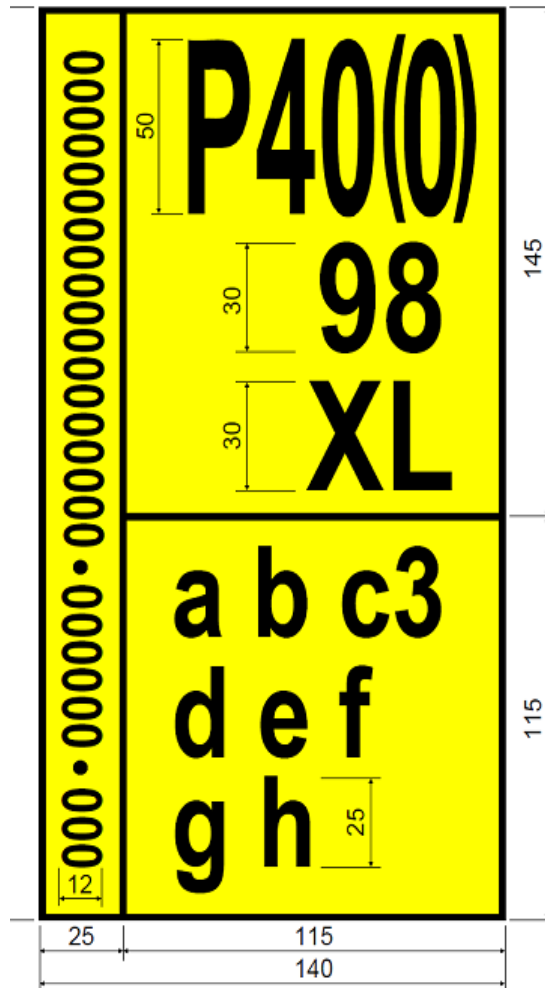
EN 13044 Part 3
 Markings for semi-trailers related to rail operation (codification plate)
 optional horizontal or vertical



most manufacturers will deliver ILUs with codification

Codification of semi-trailers

The items of the marking have the following meaning:



- the code for the railway profile according to UIC 596-6 in connection with 'P' or 'N'
- the height of the saddle in cm, according to UIC596-5. When there is no adaption of the height possible, there is no letter mentioned.
- the strength of the semi-trailer-body, standard or reinforced with the marking referring to EN12642
- optional: compatibility code "c" with position of the scotch block
- the compatibility codes with different pocket wagon types, according to UIC596-5

State of the art

The implementation of the EN 13044 began on July, 1 2011

- **UIRR as administrator has started the ILU-Code website and issued a multilingual information folder and press declarations.**
- **Main objective is to realise the transition to the new owner identification within 3 years.**
- **All actors in the intermodal business should inform their customers and establish links to the ILU-Code website.**
- **A common effort of all actors is necessary for a successful transition to the new system.**