



INTERNATIONAL UNION
OF RAILWAYS

unity, solidarity, universality

VI International Rail Salon of Engineering and Technologies

“Establishment of International Railway Standards for economic development and innovation for 1520 system”

Moscow, Shcherbinka test loop, 12 September 2013

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A SUSTAINED RAILWAY SECTOR DYNAMIC

- . **More members:**
 - + 100 new /year 2009
 - > 230 members
- . **More technical deliverables:**
 - > 500 live leaflets (standards)
Projects & deliverables, including R&D
 - > 90 seminars & conferences /worldwide
greater audience

. **More global**

With a specific developments on UIC role on dissemination & promotion of railway solutions and **railway standards**

With **better integration** of the different regions thanks to dedicated partnerships with members and international organisations

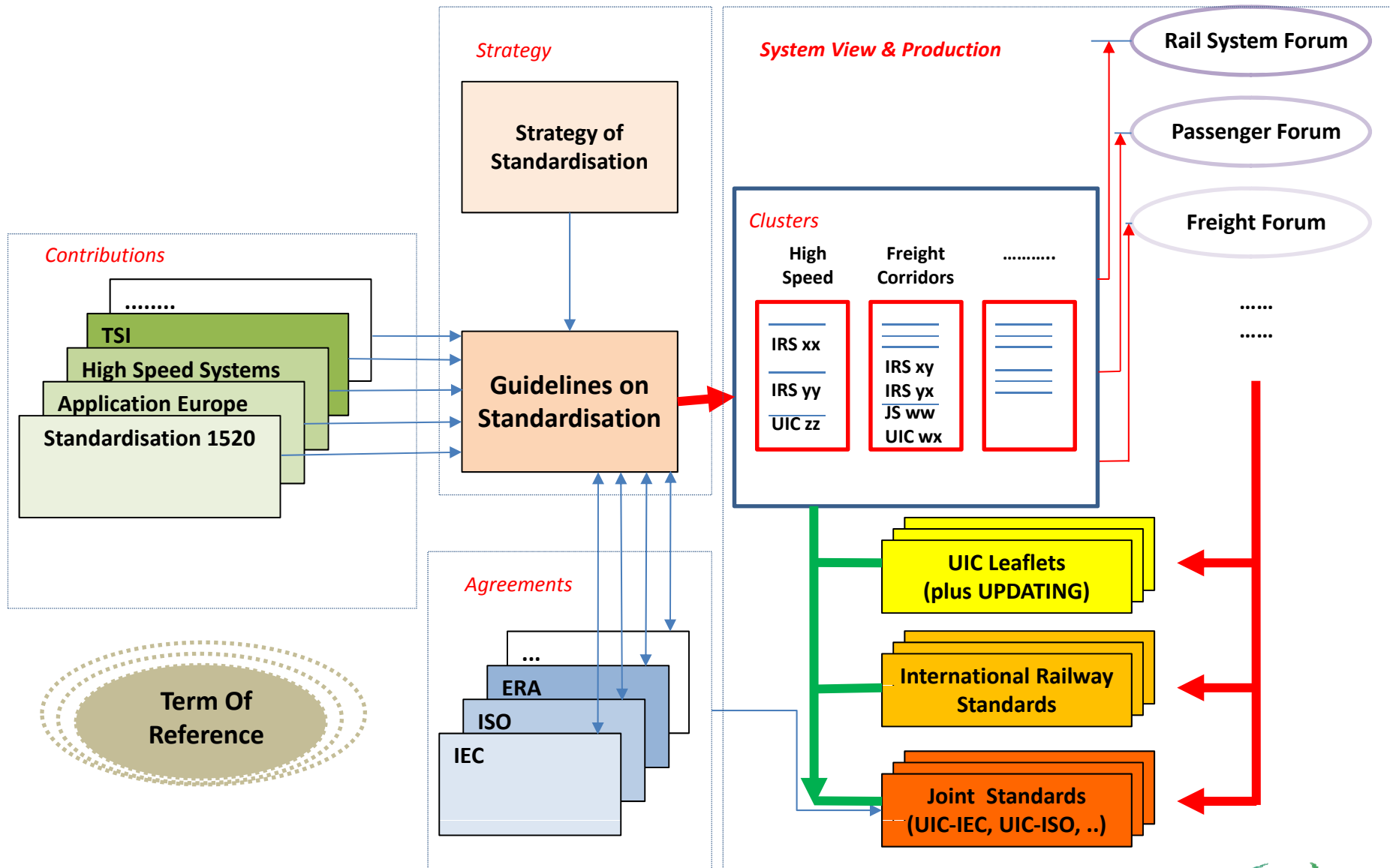
UIC Standardisation Platform

Why?

- Initiated in December 2012

- Missions:
 1. Definition of detailed strategies on standardisation implementing the guidelines given from UIC members
 2. Increase the value of the UIC Leaflets defining their evolution: International Railway Standards and Joint Standards
 3. Coordination of standardisation activities to be developed by the different UIC Forums
 4. Establishment of proper agreements with the other Standardisation Institutions

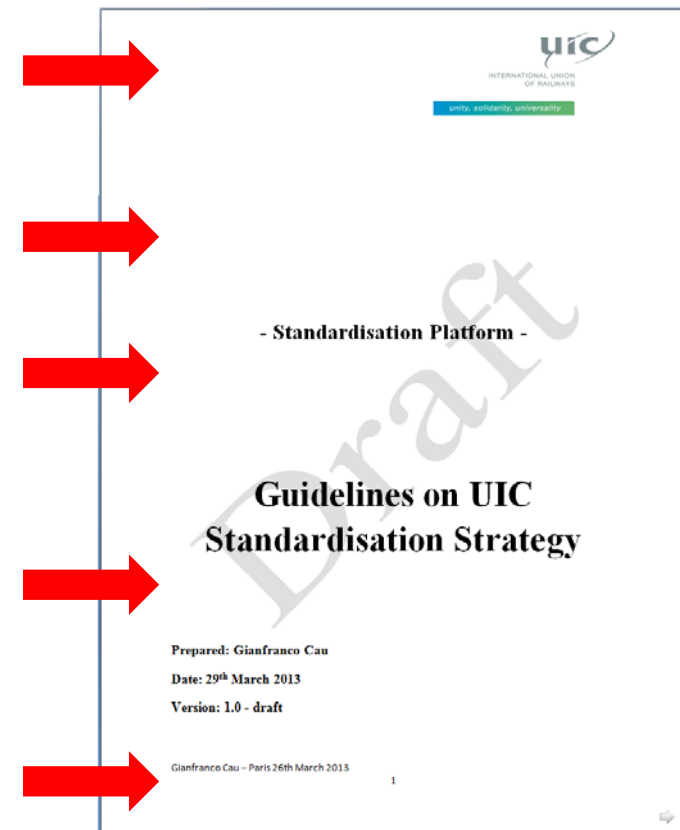
What? – Covered Activities



UIC Standardisation Strategy

Standardisation Targets Highlights



1. Balance and optimise resources, targets and innovation.
2. Real **opportunity** for cooperation and integration of best practices and outcomes and processes.
3. Development of UIC standardisation based on an **increased and solid consensus**.
4. International Railway Standards written by the **Railway Operating Community**: enter in the new era of the Railway System.
5. Assert and progress in the **complementarity principle** with regard to other standardisation organisations.

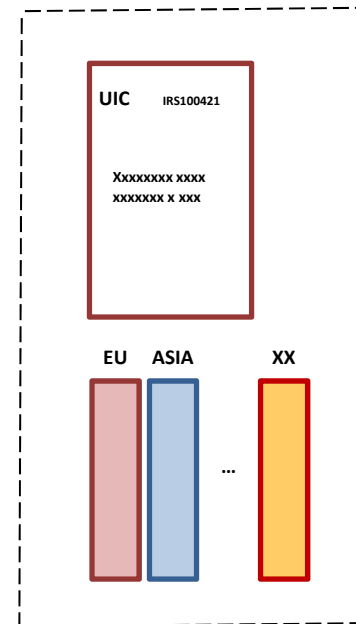


UIC Standardisation Strategy

INTERNATIONAL RAILWAY STANDARDS

An IRS consists of:

-  **1. A Common Part**: that contains all the elements agreed by everybody..
-  **2. Several optional Specific Parts**: each of them, is mandatory only for a specific service or geographic application.

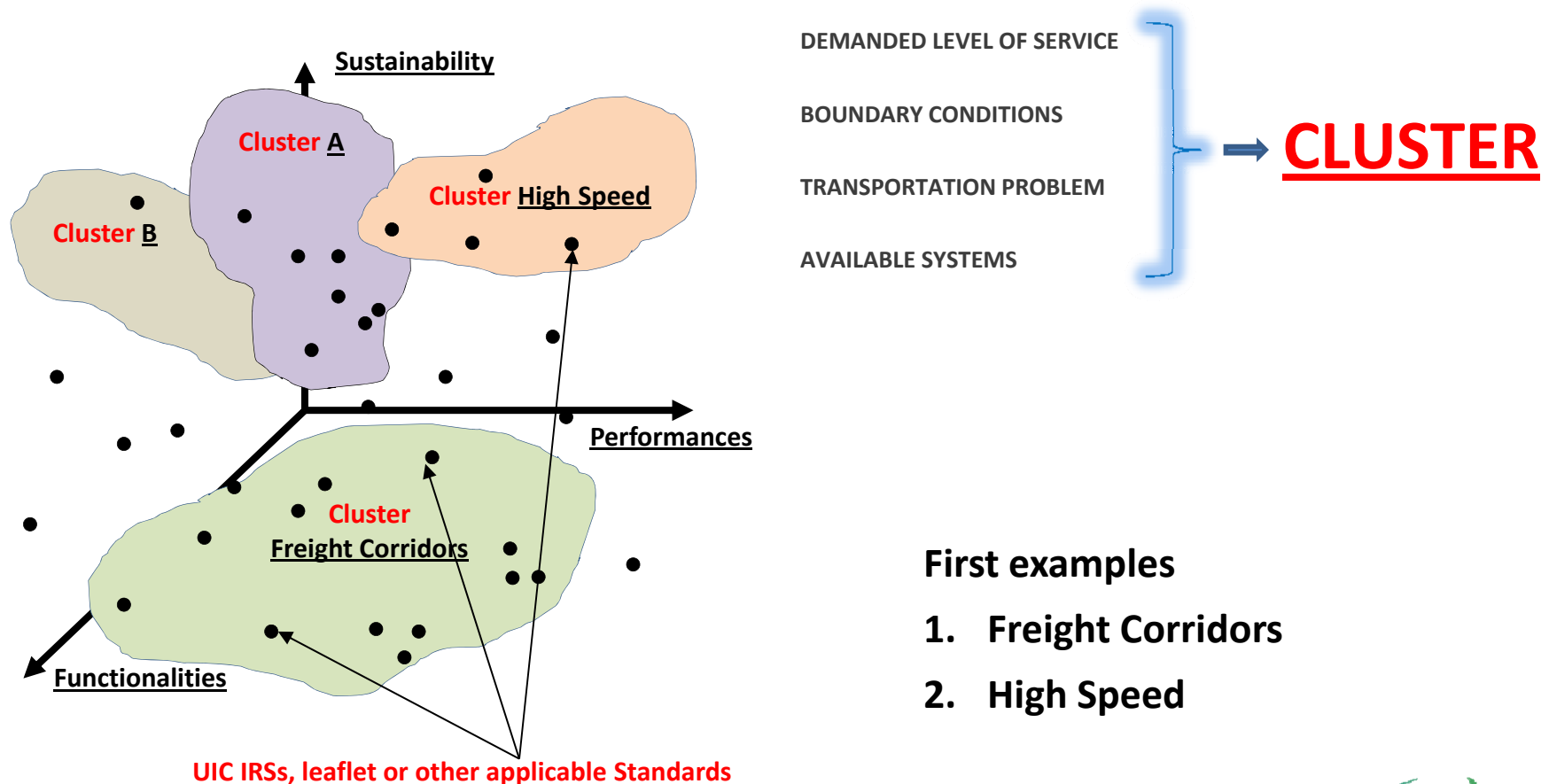


UIC International
Railway Standard (IRS)

UIC Standardisation Strategy

CLUSTER OF SPECIFICATIONS – SYSTEM FOCUS

The clusters are coordinated sets of norms addressed to standardise the pre-competitive items of the railway applications.



UIC Standardisation Strategy

APPLICATION: 1520mm SYSTEM

The International Railway Standards offer an efficient possibility to the development of standards for the 1520mm OSJD system.

The redaction of IRSs allows to make immediately available new, existing or under development OSJD standards into suitable documents.

The concrete results now available allows working simultaneously on the different systems according to the various needed situations.

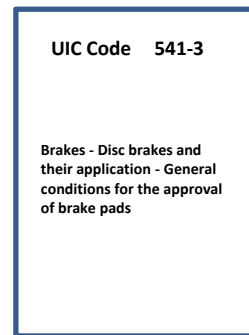
1. **Easiness in merging different standards**
2. **Dynamically growing Common Part**
3. **Rapid Special Part exploitation**

UIC Standardisation Strategy

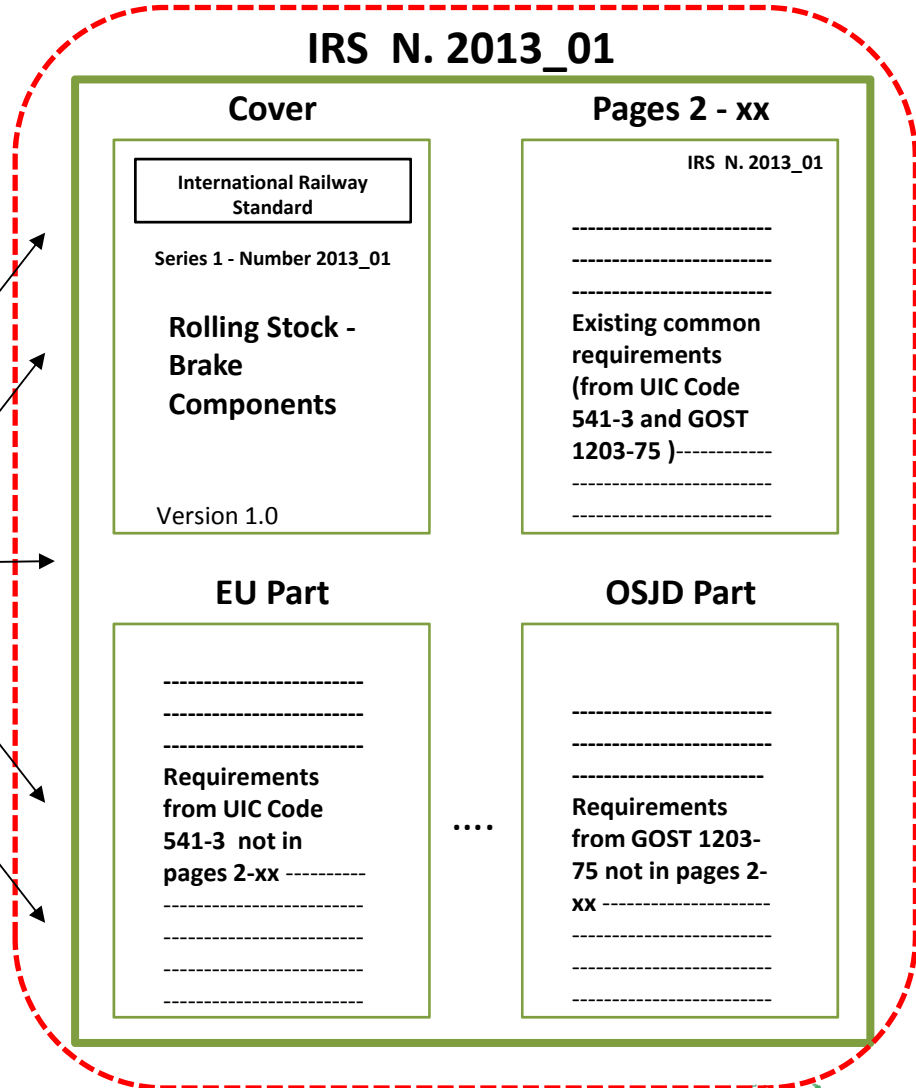
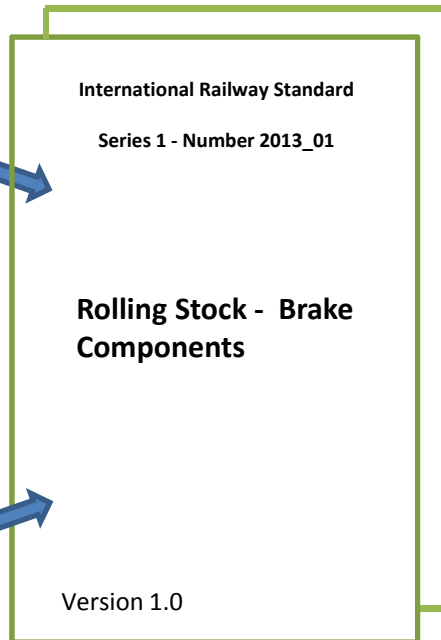
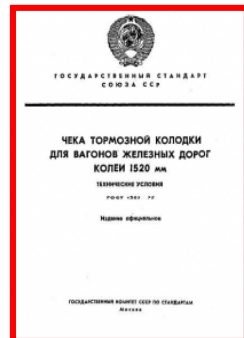
POSSIBLE FIELDS OF INTEGRATION IN 1520: UIC + OSJD + GOST

Today (30.07.2013) → Tomorrow (31.07.2013)

UIC Code 541-3

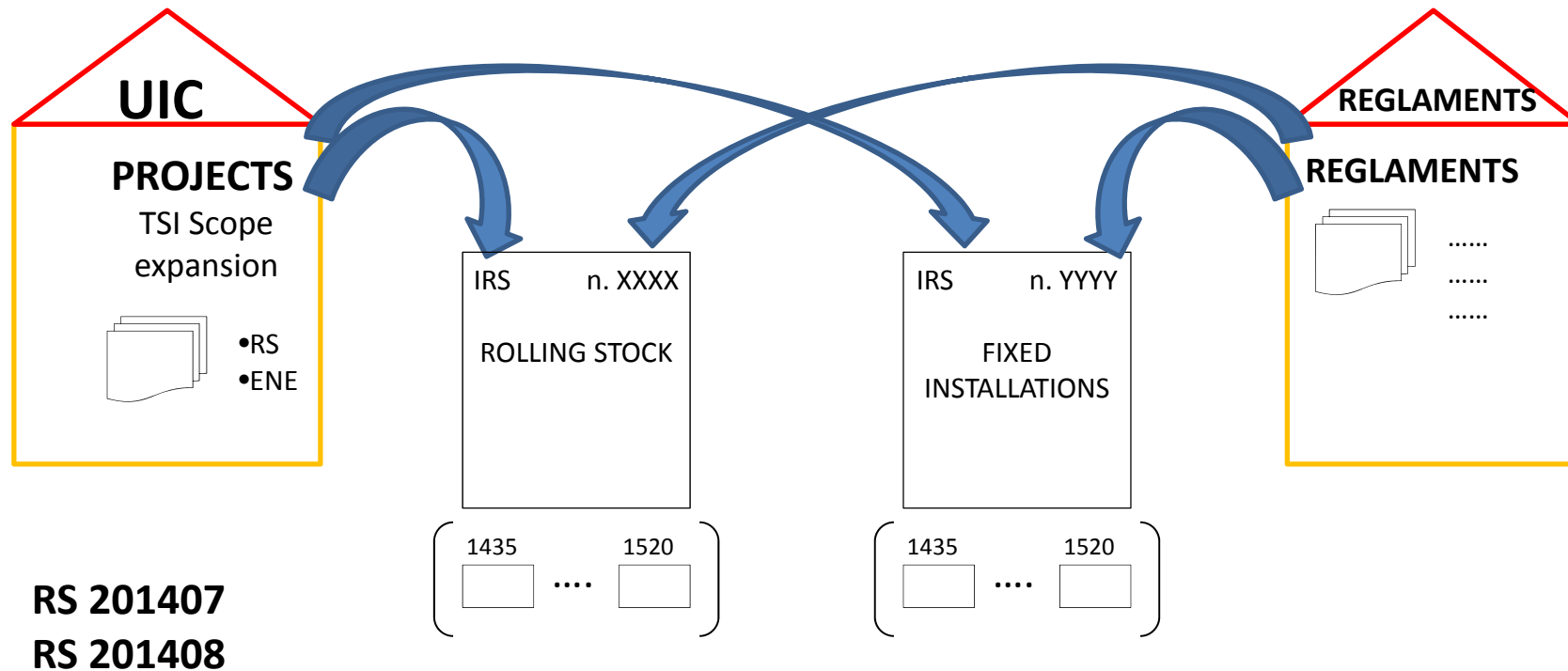


GOST 1203-75



UIC Standardisation Strategy

POSSIBLE FIELDS OF INTEGRATION: TSI AND REGLAMENTS



UIC Standardisation Strategy

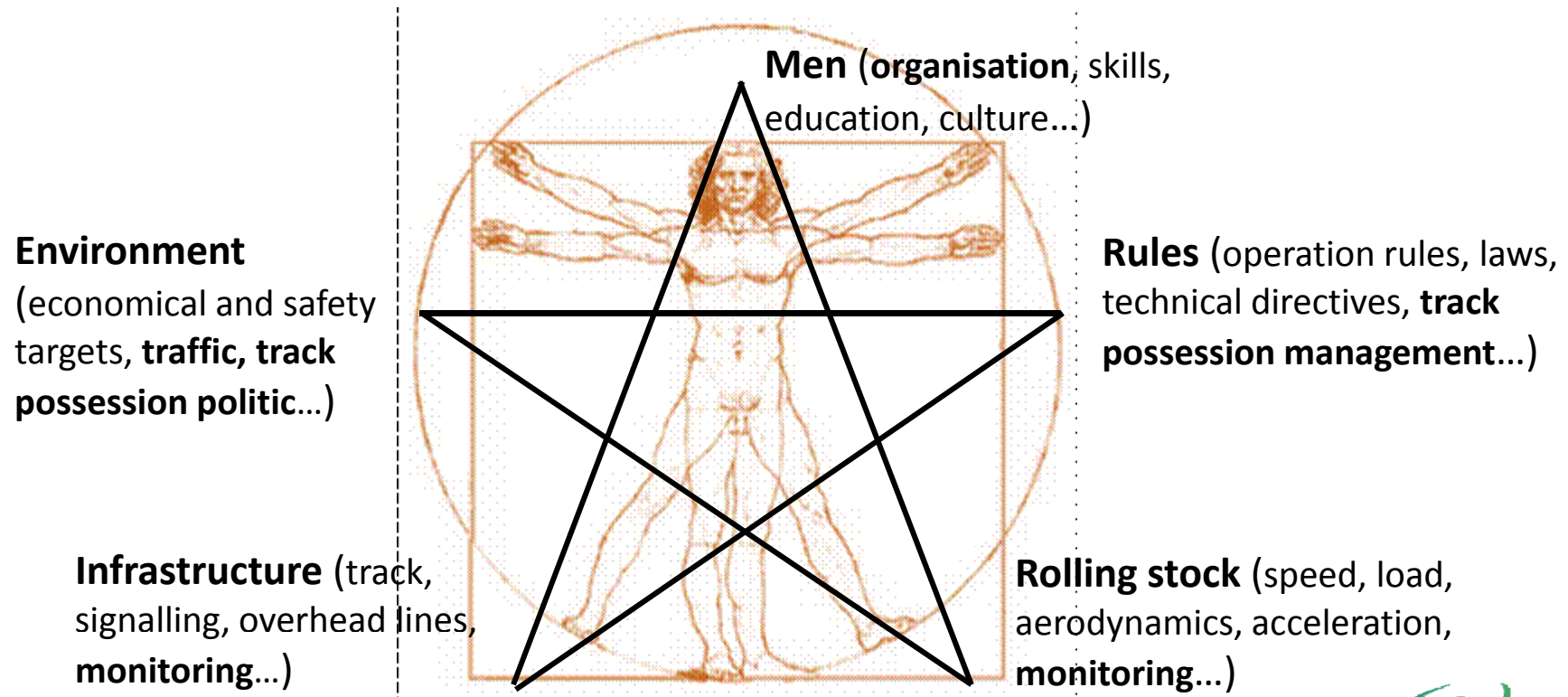
NOW - UPDATING OF UIC LEAFLETS

1. **120 Leaflets to be updated in IRS format in 5 years, i.e. 24 on average per year.**
2. **20 leaflets in 2013 :**
 - > **14 on Rolling Stock Sector,**
 - > **2 on Energy Sector,**
 - > **3 on Infrastructure**
 - > **1 on Passengers**
3. **A strong governance to manage the process has been put in place.**

Standardisation Platform **VISION**

UNIFICATION OF RAILWAY OPERATING RULES AND MAINTENANCE

- 1. Railway Operating Rules will be IRSs defining the human operations connected to the railway system and its interfaces, at a worldwide level as a condition for design of the next generation of railway transports.**
- 2. Transverse characteristics and applications of the railway system**



Standardisation Platform Action Plan

HOW?

1. Encourage continuous improvement of UIC standards as irreplaceable to operate the railway service.
2. Endorse the clusters' concepts and support the implementation of the proposed ones (freight corridors, High Speed, etc.).
3. Carry out the IRS concept, with first examples with all stakeholders in the most suitable format :

-> Partnering with regulation bodies: OSJD, CRT, IEC, ...

-> Partnering with standard issuing members; CARS (China), VNIIZhT (Russia), RTRI (Japan), ...



■ ■ ■ Thank you for your kind attention

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