



Working Party on Rail Transport
Revisions Committee to the Model Rules on the
Permanent Identification of Railway Rolling Stock
Geneva, 30th August – 1st September 2023

**The Luxembourg Rail Protocol:
The (rail)road to implementation
II. URVIS and the Model Rules**

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Unique Vehicle Identification under the Luxembourg Rail Protocol

- Unique Rail Vehicle Identification System (URVIS) will be established by registry regulations
- First global unique and permanent identification system for rolling stock
- Rolling stock must be uniquely identifiable to register interest;
- 16-digit number allocated by the Registrar in Luxembourg that will never be re-used
- Affixed permanently to each item of rolling stock by the manufacturer, debtor or keeper

URVIS Benefits

- Important for immatriculation – admission to rail system
- Will support regional regulatory co-operation and interoperability systems
- Defence against fraud on rolling stock purchasers and creditors;
- Key element of AI/autonomous operation
- One system applicable worldwide on all rail assets
- Real-time tracking of condition and location of assets; domestically and in other jurisdictions (and tracks)
- Makes lifetime asset management, including predictive maintenance, and costs much easier for operators, manufacturers and financiers

UN Model Rules on permanent identification

- The Problem:
 - If the URVIS number is not attached to the rolling stock the collateral cannot be identified
 - The Protocol requires the URVIS number to be affixed to the rolling stock but does not state how
 - Any marking has to be permanent
 - Any solution has to be simple and cost effective

UN Model Rules on permanent identification

- The Solution:
 - ❑ On 24 February 2023, the Inland Transport Committee of the United Nations Economic Commission for Europe adopted *Model Rules on the Permanent Identification of Railway Rolling Stock*
 - ❑ These create a new global voluntary minimum standard and responsibilities for permanently attaching an URVIS number to rolling stock
 - ❑ Keepers of the rolling stock will need to undertake to abide by these minimum rules and register the undertaking at the International Registry – and published on its website

UN Model Rules on permanent identification

- Additional to current running numbers
- Compliance with Model Rules will be a precondition to registration of a security interest
- Special provisions needed for unilateral interests where the debtor or the keeper are not required to consent to the registration
- Revisions committee to meet annually to consider any necessary adjustments to the rules – any agreed modifications to be proposed to the Working Party on Rail Transport of the UN ECE Inland Transport Committee



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