



Economic and Social Council

Distr.: General
23 February 2021
English
Original: Russian

Economic Commission for Europe

Inland Transport Committee

Working Party on Rail Transport

Group of Experts on the Permanent Identification of Railway Rolling Stock

Third session

Geneva, 6–7 May 2021

Item 3 of the provisional agenda

Development of the Unique Rail Vehicle Identification System

Analysis of information on practices and national requirements for rolling stock marking

Transmitted by the Russian Federation*

I. Introduction

1. In the Russian Federation there is an eight-digit numbering system for the rolling stock, in which the first digit of the number stands for the type of rolling stock (0: passenger wagons; 1: traction rolling stock and special rolling stock; and other numbers are used for freight wagons), and the last digit of the number is a check digit and makes it possible to determine whether the number is assigned and applied correctly.

II. Numbering system for freight wagons

2. The numbering system for freight wagons is maintained in accordance with reference manual S ZA 2001 XX, entitled “8-digit numbering system for freight wagons of 1,520 mm gauge”, approved on 7–9 August 2012 at the 51st meeting of the Commission of Specialists on Railway Transport Information Systems of the Railway Transport Council of the States members of the Commonwealth of Independent States, and is based on assigning numbers in accordance with the type of freight wagon, defined by the first digit (2: covered; 3, 9: other; 4: platform; 6: high-sided wagon; 7: tank; and 8: insulated). Numbers with the digit 5 were previously assigned to privately owned freight wagons but, at present, no numbers with 5 are currently being assigned.

III. Numbering system for passenger wagons

3. The numbering system for passenger wagons is maintained in accordance with reference manual S ZA 8001 XX, approved on 26–28 September 2016 at the 59th meeting

* This document was scheduled for publication after the standard publication date owing to circumstances beyond the secretariat's control.

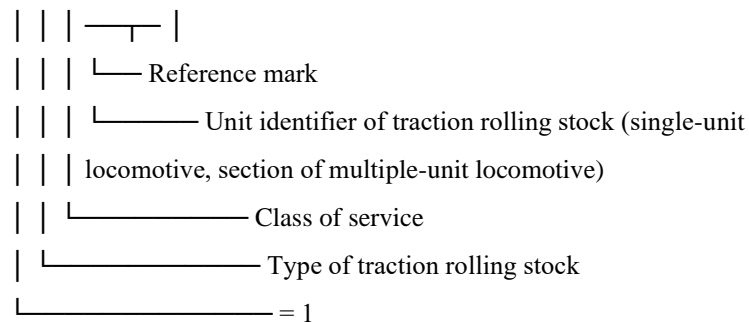


of the Commission of Specialists on Railway Transport Information Systems of the Railway Transport Council of the States members of the Commonwealth, and is based on the following number scheme:

- First digit of the number: 0
- Second and third digits: the range assigned to each home railway of the passenger wagon, for example the range 01–07 for Oktyabrskaya Railway of Russian Railways
- Fourth digit: from 0 to 8, which outlines the broad classification of passenger wagon types:
 - 0: Soft seat wagon and upholstered hard seat wagon
 - 1: Compartment
 - 2: Hard-seat open
 - 3: Interregional
 - 4: Postal and banking
 - 5: Luggage and postal luggage
 - 6: Restaurant
 - 7: Technical support
 - 8: Other wagons.

4. The numbering system for locomotives is maintained in accordance with reference manual S ZA 5001 XX, entitled “8-Digit Numbering System for Locomotives of 1,520 mm Gauge”, approved on 28–29 April 2005 at the 32nd meeting of the Commission of Specialists on Railway Transport Information Systems of the Railway Transport Council of the States members of the Commonwealth, and is based on the following code:

P T R XXXX K



The first mark determines whether the coded vehicle belongs to traction rolling stock; for electric locomotives and diesel locomotives, it is equal to 1.

The second mark indicates the type of the traction rolling stock (in particular, for electric locomotives and diesel locomotives, the following values are allocated: 1, 2: electric; 5, 6: diesel).

The third mark indicates the type of locomotive service (passenger, freight, combined cargo and passenger, shunting) and, for electric locomotives, the type of electric locomotive (alternating current, direct current, dual power) as well.

IV. Numbering system for other types of traction rolling stock and special self-propelled rolling stock

5. The numbering system for other types of traction rolling stock and special self-propelled rolling stock is maintained in accordance with the reference manual S ZA 5003 XX, entitled “8-digit numbering system for electric trains, diesel trains, railcars, railbuses and special self-propelled vehicles in inter-State service”, approved on 7–9 August 2012 at

the 51st meeting of the Commission of Specialists on Railway Transport Information Systems of the Railway Transport Council of the States members of the Commonwealth, and is designed as follows:

- For electric trains, the number range from 1300000 to 1399999 is used, where the third digit of the number can take on the following values:
 - For power wagons 0, 2, 4, 6, 8
 - For railcar trailers 3, 5, 7
 - For driving trailers 1, 9
 - For diesel trains, the number range from 17x0000 to 17x9999 is used, where the third digit of the number can take on the following values:
 - For power wagons $x = 1$
 - For railcar trailers $x = 2, 4, 6, 8$
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