
Subject: International classifications of railway stations and lines

Posted by [Larissa Zhuchyi](#) on Mon, 18 Sep 2023 06:29:00 GMT

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Dear all

railML.org would like to ask you to share with us national and international classifications and rules on how to classify a station or line into a category.

- (1) What are your national classifications of railway stations and lines?
- (2) What are the regulations in which these regulations present?
- (3) When are these classifications applied (e.g. to develop a guide on their operation)?

Let's begin here with the Ukrainian ones as an example. Ukrainians have seven "categories" of railway lines depending on the number of trains per day and their weight and "high-speed" one for trains going 161-200 km/hour [1]. The "first" category is for lines with a lot of heavy trains, "seventh" is for connecting tracks of railway stations roughly speaking. These influence the building of railway lines, e.g. when people decide to have trains going 161-200 km/hour on the existing lines they have to first remove all the curves of small radius because Ukrainian State Building Norms say so.

Railway stations have five "classes" according to the number of wagons processed, amount of freight work and number of lines intersecting at a station [2]. "Out-of-class" and "first" class ones are the biggest ones.

This forum post was inspired by a tutorial on double-track line representation in railML2 published at wiki [3] - a result of fruitful discussions with RIS project coordinators [4], which led us to another topic of railway station classifications. Quite interestingly these classifications may be related to a number of lines intersecting at a station, which brings us back to my first thesis.

As the railway track page of wiki [5] brings together national classifications of tracks, a tutorial on double-track lines can bring together national classifications of railway stations and lines.

[1] Ukrainian State Building Norms for railway <https://dbn.co.ua/load/normativy/dbn/1-1-0-126>

[2] Ukrainian regulations on the railway station

<http://scbist.com/dokumenty-ukrzal-znic/21640-cd-0054-zagaln-e-polozhennya-pro-zal-znichnu-stanc-yu-zatverdzhene-nakazom-ukrzal-znic-v-d-30-12-2004-1041-cz.html>

[3] https://wiki2.railml.org/wiki/Dev:Double-track_line

[4] <https://rne.eu/it/rne-it-strategy/digital-infrastructure-information/>

[5] <https://wiki2.railml.org/wiki/IS:track>

Sincerely,
Larissa Zhuchyi
