

Loco type administration for IMs/ABs

Content

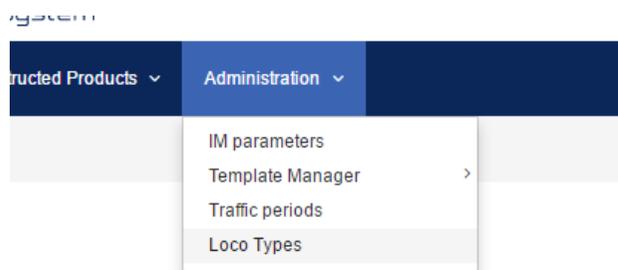
Introduction

From version 1.9.x (Major Release 2017) the loco types are the part of the common train parameters defined per path section that describes traction details. An administration area is introduced to PCS where the IMs can prepare their loco types for further usage in the train parameters. The following rules and requirements were taken into account during the development:

- The system shall allow for IM agencies to define (add, modify, delete) loco types that they will support in the upcoming timetable within the time period for IM agency-specific train parameters definition (usually in November)
- The system shall allow for IM agencies to copy (aka. carry forward) loco types from current to upcoming timetable within the time period for IM agency-specific train parameters definition (usually in November).
- The system shall allow the addition of new loco types for the current timetable period at any time.
- The system shall allow deletion and editing of unused loco types for the current timetable period at any time
- The system shall allow read-only access to all agencies to loco types defined by all IM agencies
- The system shall allow searching for loco types per timetable and responsible IM agency for Applicant users
- The system shall allow the bulk import of loco types for an IM agency from a source file

Where to find

Loco type table is available for Applicants and IMs as well under the administration menu, however only IMs can edit them, Applicants have read-only access.



Users can filter among the locos by timetable period and they will get a result table with the fields that are described below.

Timetable period

Timetable period filter

Create new with import

Create new manually

	id	Loco type num...	National id	Explanation	Type of Engine	Train cc system	Weight(t)	Length(m)	Traction max sp...	Related perform...	Multiple Unit
	5134	102		A25	Electric	EVM	64	12	40		No
	5107	1046		Szöcske	Electric	EVM	80	15	80		No
	5108	1047		Taurus	Electric	EVM	86	20	160		No
	5135	105		A26	Electric	EVM	46	12	5		No
	5109	1063		Gigant	Electric	EVM	120	20	120		No

Expand row for detail view and for editing

Users can adjust the width of the columns in the table similar to on the Dashboard.

In case a loco needs an update, it's possible to expand the row to the detailed view and it could be edited there. New loco types can be created anytime without restrictions, however a loco type could be deleted and edited only, if the loco type is not used in any dossiers. The read-only view is presented below on the first picture and if the user presses the edit button, the edit view will appear as it is shown on the second picture.

5112	1163	100-as Gigant	Electric	EVM	120	20	160	No
------	------	---------------	----------	-----	-----	----	-----	----

Agency	VPE, Hungarian Rail Capacity Allocation Office
Loco type number	1163
National id	
Explanation	100-as Gigant
Type of Engine	Electric
Train cc system	EVM
Weight(t)	120
Length(m)	20
Traction max speed(km/h)	160
Related performance(kW)	
Multiple Unit	No



5112	1163	100-as Gigant	Electric	EVM	120	20	160	No
------	------	---------------	----------	-----	-----	----	-----	----

Agency VPE, Hungarian Rail Capacity Allocation Office

Loco type number

National id

Explanation

Type of Engine

Train cc system 1

Weight(t)

Length(m)

Traction max speed(km/h)

Related performance(kW)

Multiple Unit

Cancel Save

As it was written above an IM/AB is able to delete a loco type. In this case, the loco type should be selected and above the table, the possible actions will become visible. There are two options:

- Delete the selected loco types
- Copy the selected loco types to the next timetable period (similar to the IM parameters)

<input type="checkbox"/>	id	Loco type num...	National id	Explanation	Type of Engine
<input checked="" type="checkbox"/>	5134	102		A25	Electric
<input checked="" type="checkbox"/>	5107	1046		Szócske	Electric
<input type="checkbox"/>	5108	1047		Taurus	Electric

Fields

ID

It is a PCS related identifier that is generated by the system when the loco is created manually or imported.

Loco type number

In PCS it's an alphanumeric field up to 30 characters in UTF8 coding. This is **amandatory** field and it has to be unique for each IM. It's recommended that this field contains the loco type series number that is a 4 digit element of the 12 digit UIC ID of the loco.

Further details please find in UIC 438-3 Leaflet - Identification marking for tractive stock. The UIC ID of a single loco looks like the following (example ÖBB Siemens Taurus 91 81 1216 001-8):

International section				National section							Control digit
Type code	Country code			Loco type series				Sort order			
9	1	8	1	1	2	1	6	0	0	1	8

If you are not aware of the UIC ID of the loco-type, please enter their numbers in the sequence (1, 2, 3, etc.)

National ID

In PCS it's an alphanumeric field up to 30 characters in UTF8 coding. This is an**optional** field for the IMs where they can store their national identifiers coming from their application.

Explanation

In PCS it's an alphanumeric field up to 120 characters in UTF8 coding. This is an**optional** field. Here the IMs can provide some extra information for the Applicants in order to identify the loco type easier (e.g. nickname of the loco type). **Please note that when Applicants select the loco from the list they can search by Loco type number and by this explanation field.** Recommendation: enter here the currently used free text values of the locos so that Applicants can find particular loco easily.

Type of Engine

It is a **mandatory** single choice list that indicates the type of engine of the loco type. It has the following values:

- Electric
- Diesel
- Steam
- Hybrid

Train control system

With this **optional** multiple choice list, the IMs can indicate the installed train control systems on the particular loco type. If the existing values are not sufficient for the loco type creation, the IM should contact the PCS Support and it will extend the code list. Applicants will be able to select the Train control system only from the published values.

Weight (t)

This is a **mandatory** field for storing the weight of the loco type in tons. Decimal places are not supported.

Length (m)

This is a **mandatory** field for storing the length of the loco type in meters. Decimal places are not supported.

Traction max speed (km/h)

This is a **mandatory** field for storing the top speed of the loco type in km/h. Decimal places are not supported.

Related performance (kW)

This is an **optional** field for storing the related performance of the loco type in kW. Decimal places are not supported.

Multiple units

It is a **mandatory** single choice list that indicates the type of the loco. This value reflects the type code element of the 12 digit UIC ID.

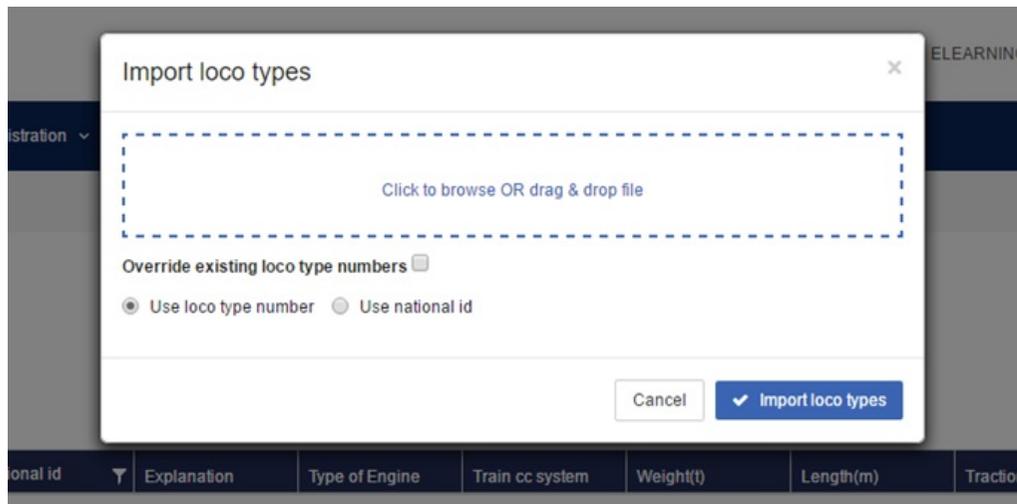
Import

If an IM doesn't want to prepare the data directly in PCS, it has also the import option. User can import CSV files to PCS.

Before importing the following checks should be made:

- Are there any duplicated loco type numbers
- Are there any mandatory fields missing
- Are there any values not conforming to the respective field's type

To start the import procedure, please select the import loco types option.



On the import dialog, the user can select, if the currently existing loco types should be overwritten or not. For the import IMs can use two different kinds of format file:

- Import without national id:

In this case, a CSV file should be created **without** header, where the IM puts the values in the table in the following order:

Loco type number, Explanation, Weight, Length, Max speed, Related performance, Type of engine, Multiple Unit, Train cc system (in case of multiple values they should be separated from each other with "|" character). It should look like the following example:

	A	B	C	D	E	F	G	H	I
1	1116	Taurus	87	20	230	6400	E		0 EVM ETCS 1

- Import with national id:

In this case, a CSV file should be created **without** header, where the IM puts the values in the table in the following order:

National id, Loco type number, Explanation, Weight, Length, Max speed, Related performance, Type of engine, Multiple Unit, Train cc system (in case of multiple values they should be separated from each other with "|" character)

When the file is ready the user can browse it from the dialog or it can be drag & dropped as well and the import can be started. Example CSV files for each case are added to the documentation. As CSV format does not support special characters it might happen that after the import one of your characters appears strange in PCS. Please fix them manually on the user interface right after the import.

File

Document:

- [loco_type_example_with_national_id.csv](#)
- [loco_type_example.csv](#)

▼ **Print**

-  [Printer-friendly version](#)
-  [Send by email](#)
-  [PDF version](#)

▼ **Details**

State: Published
Topic: [General](#)
 [Functions](#)
Area: [Training](#)
Release: 1.8.x
Company [IM](#)
Type:
Keywords: [loco](#)
 [loco](#)
 [type](#)
 [import](#)

▼ **Translations**

No translations

Source URL: <https://cms.rne.eu/pcs/pcs-documentation/loco-type-administration-imsabs>