



CIS

Query User's Guide

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Using this guide, Query Users and Data Manager Users can learn how to use the Query Price Information interface of the CIS application.

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1. Login

The Charging Information System (CIS) is a web application providing charge estimates for use of the European rail network, shunting and station services. The application is free of charge and login does not require user registration. However, we ask the users to indicate the type of their organization and their country for user statistics.

Welcome to CIS

The Charging Information System (CIS) is an infrastructure charging information system for Applicants. It is provided by Infrastructure Managers (IMs) and Allocation Bodies (ABs) and operated by RailNetEurope. The web-based application provides fast information on charges related to the use of European rail infrastructure and estimates the price for the use of international train paths within minutes. It is an umbrella application for the various national rail infrastructure charging systems. At the moment, the CIS covers the network of more than 20 European Infrastructure Managers and is being enhanced continuously.

Please select your Type of Organisation and Country to continue

Organisation *

Railway Undertaking	Shipper / Freight Forwarder / Combined Transport Operator	EU institution or other international organisation
University or other educational institution	Infrastructure Manager / Allocation Body	Other

Country *

Please select... ▾

Start Calculation

FEEDBACK

We need your help to further improve CIS!
Please send your ideas, feedback, and suggestions for improvements to support.cis@rne.eu

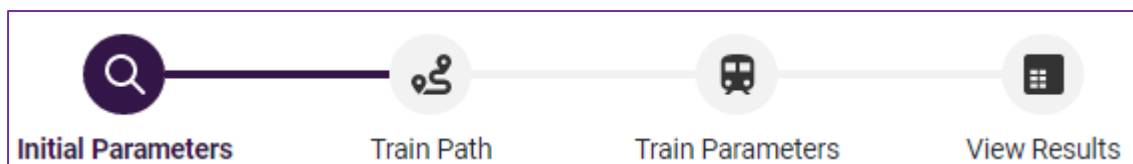
CIS USER'S MANUAL

If you need additional help, please refer to the CIS User's Manual that can be downloaded from the [download page](#)

To start calculation query click 'Start Calculation'.

2. Query Charging Information

The query is divided into 4 steps. In each step the user has to provide the information required for calculation.



2.1. Initial Parameters

In the first step – **Initial Parameters** – the user is asked to specify:

- Type of train:
 - Freight
 - Passenger
- Timetable year:
 - Current
 - Upcoming
- Calculation method:
 - CIS classic method (shortest way)
 - Corridor-route-based calculation (this option allows the user to calculate a price estimation for a train path along a specific RFC. Please note that the corridor-based calculation is only available for freight trains. Also, the charge estimate will be the same for the corridor route and the classic method.

Query Price Information

Initial Parameters Train Path Train Parameters View Results

Step 1: Specify Initial Parameters

Freight Passenger

Select a Timetable Year

2020 2019

Select a Calculation Method

CIS classic method (shortest way regardless of corridor) Corridor based calculation

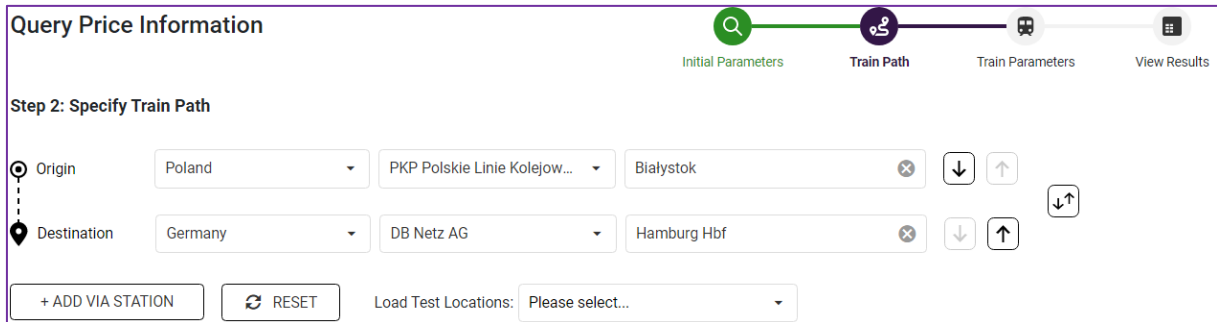
NEXT >

To proceed to the next step click 'Next'.

2.2. Train Path

2.2.1. CIS Classic Method

If the classic method was chosen for the calculation, the user will be directed to the next step – **Train Path** – where he/she is asked to specify the origin and destination stations of the journey by indicating country, Infrastructure Manager and station.



Query Price Information

Initial Parameters **Train Path** Train Parameters View Results

Step 2: Specify Train Path

Origin: Poland, PKP Polskie Linie Kolejow..., Bialystok

Destination: Germany, DB Netz AG, Hamburg Hbf

+ ADD VIA STATION RESET Load Test Locations: Please select...

If the journey is lengthy or the user requires a certain route, he/she may add 'via stations' through which the route will go by clicking 'Add Via Station'

Intermediary station will be added between origin and destination. On the right-hand side there are arrows, which allow the user to move stations up and down if rerouting is required.

If the user wants to clear all stations that were chosen and start from the beginning it is possible to do so by clicking the Reset button.

Once the train path stations are specified, click Next to move to the next step.


2.2.2. Corridor-Based Calculation

If the corridor-based calculation was chosen, the user will be directed to the next step – **Train Path** – with a corridor network map. To define origin and destination stations the user needs to click on the required stations on the map. The chosen stations will appear at the bottom of the map. In the example below RFC7 was selected from Magdeburg to Arad via Praha.

Query Price Information

Initial Parameters
Train Path
Train Parameters
View Results

Step 2a: Specify Corridor Selection



Rail Freight Corridors (RFCs) map 2020

- RFC1 Rhine - Alpine
- RFC2 North Sea - Mediterranean
- RFC3 Scandinavian - Mediterranean
- RFC4 Atlantic
- RFC5 Baltic - Adriatic
- RFC6 Mediterranean
- RFC7 Orient / East-Med
- RFC8 North Sea - Baltic
- RFC9 Czech-Slovak / Rhine - Danube
- RFC10 Alpine - Western Balkan
- RFC11 Amber

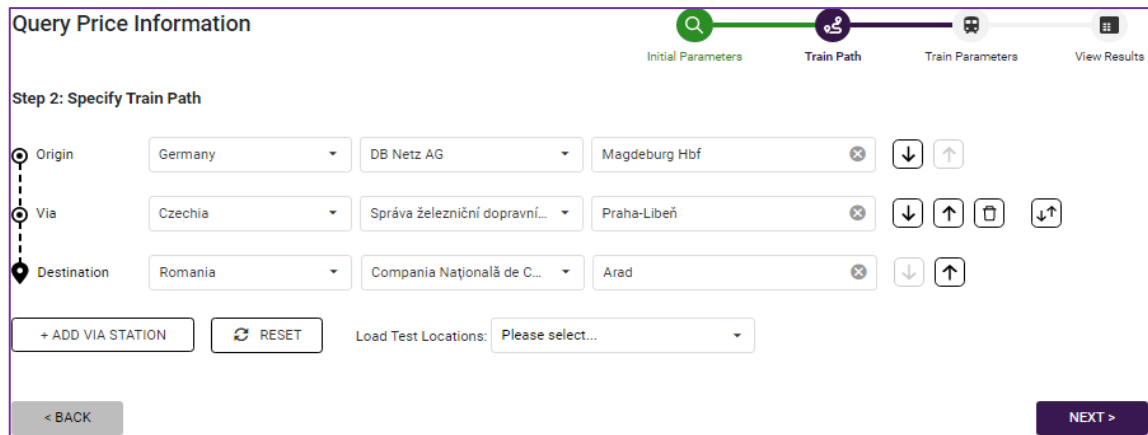
- Multi-corridor station
- Single-corridor station

Any use without modifications of this map in electronic or printed publications is permitted with the explicit reference to RNE as the author and holder of the copyright. © 2020 RNE.

📍 Origin	Magdeburg Hbf	↓ ↑ 🗑️
🛤️ Via	Praha-Libeň	↓ ↑ 🗑️ ↕
📍 Destination	Arad	↓ ↑ 🗑️

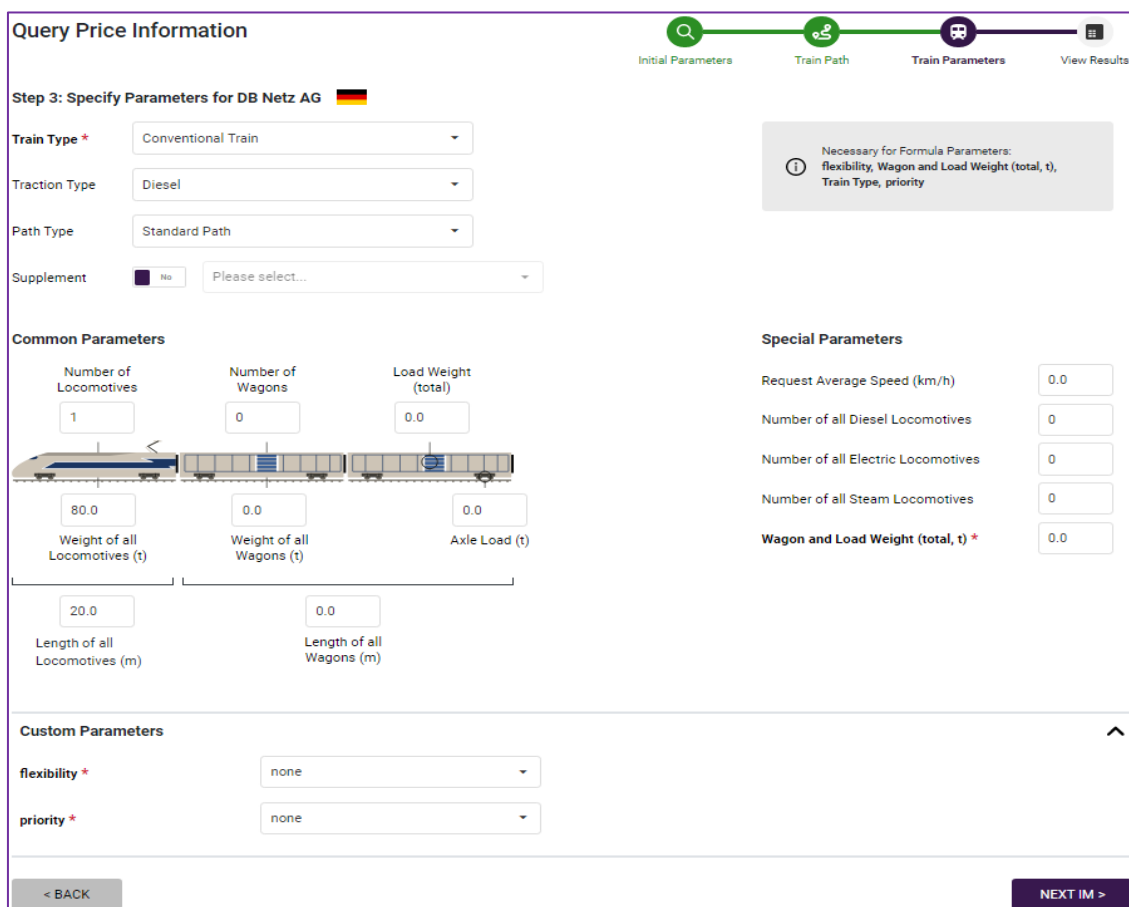
< BACK
NEXT >

Once the route is selected, clicking Next will direct the user to the below **Train Path** step window. Here the user can adjust the corridor-based path, if needed. Click Next to proceed to the next step.



2.3. Train Parameters

In the **Train Parameter** step the user is asked to specify the train parameters. Please note that parameters marked with a red asterisk are mandatory. Mandatory parameters differ from Infrastructure Manager (IM) to IM, depending on their charging formulas.



The user must specify train parameters for each IM whose network will be used. The values of the parameters which the user has already specified for the previous IM will be automatically

copied to the following IM(s) in order to save manual input effort. If the values should not be the same, the user should edit them accordingly.

Types of train have been extended in the new CIS. The available types are:

- Conventional Train
- Combined Train
- Feeder Train
- Local Freight Train
- Mail Train
- Military Train
- Service Train
- Staff Train
- Empty Run

Traction types:

- Diesel
- Electric
- Steam

Path types:

- Standard Path
- Express Path
- Feeder Path
- Freight Freeway
- Disposition Path
- Standard Path


If the user wants to add supplement, he/she has to enable supplement option by clicking 'Yes'.

From the drop-down menu the user can select one or more supplements.

The Train Parameter step also contains the Common Parameters, Special Parameters and Custom Parameters sections, where the user can provide additional parameters. Parameters marked with a red asterisk are used by the IM and are mandatory to provide.

Common Parameters

Number of Locomotives	Number of Wagons	Load Weight (total) *
<input type="text" value="1"/>	<input type="text" value="0"/>	<input type="text" value="0.0"/>



80.0	0.0	0.0
Weight of all Locomotives (t) *	Weight of all Wagons (t) *	Axle Load (t)

<input type="text" value="20.0"/>	<input type="text" value="0.0"/>
Length of all Locomotives (m)	Length of all Wagons (m)

Special Parameters

Request Average Speed (km/h)

Number of all Diesel Locomotives

Number of all Electric Locomotives

Number of all Steam Locomotives

Wagon and Load Weight (total, t)

Custom Parameters

flexibility *

priority *

2.4. View Results – Train Path and Details

After the first three steps have been completed, the last step – View Results – displays the calculation results per IM from origin to destination in a table view.

Query Price Information										
Code / Cat / IM	Year	From - To	Km	Time Period	Price	Surcharge	Shunting fees	Station fees	Exclude	
▶	2020	Romania - Braşov Romania - Azuga	33.70		115.858 EUR	0.00 EUR	0.00 EUR	0.00 EUR		
			33.70		115.86 EUR	0.00 EUR	0.00 EUR	0.00 EUR		
Total								115.86 EUR		
▼	Natională de Căi Ferate Române	2020	Romania - Braşov Romania - Azuga	33.70		115.858 EUR	0.00 EUR	0.00 EUR	0.00 EUR	
			Romania - Braşov Romania - Dârste	6.20	n.a.	23.371		+	+	<input type="checkbox"/>
			Romania - Dârste Romania - Timișu de Jos h.	5.00	n.a.	16.232		+	+	<input type="checkbox"/>
			Romania - Timișu de Jos h. Romania - Timișu de Sus Hm.	5.20	n.a.	16.881		+	+	<input type="checkbox"/>
			Romania - Timișu de Sus Hm. Romania - Tunel Mare h.	5.50	n.a.	17.855		+	+	<input type="checkbox"/>
			Romania - Tunel Mare h. Romania - Predeal	4.40	n.a.	14.284		+	+	<input type="checkbox"/>
			Romania - Predeal Romania - Azuga	7.40	n.a.	27.235		+	+	<input type="checkbox"/>
			33.70		115.86 EUR	0.00 EUR	0.00 EUR	0.00 EUR		
Total								115.86 EUR		

< BACK TERMS AND CONDITIONS Start New Calculation

By clicking the triangle next to the IM's name, the result view unfolds for more details.

The result table contains the columns **Shunting fees** and **Station fees**. To estimate these additional charges, click the '+' button next to the station and a new window comes up requiring additional information.

For **Shunting fees** the user will need to provide information in the following window:

The 'Calculate Shunting Fee' dialog box is titled 'Calculate Shunting Fee' and has a close button (X) in the top right corner. The location is set to 'Dârste'. The form contains the following fields and controls:

- Stop duration (in minutes):
- Shunting Duration (in minutes):
- Number of shunted wagons:
- Number of incoming shunted wagons:
- Number of outgoing shunted wagons:
- Number of incoming serviced wagons:
- Number of outgoing serviced wagons:
- Number of parked wagons:
- Do you intent to use electrified shunting: No
- Use this stop for shunting: No

At the bottom, there are two buttons: 'CANCEL' (grey) and 'APPLY' (dark blue).

For **Station fees** the user will need to provide the duration of the stop at the station in the following window:

The 'Calculate Station Fee' dialog box is titled 'Calculate Station Fee' and has a close button (X) in the top right corner. The location is set to 'Dârste'. The form contains the following fields and controls:

- Stop duration (in minutes):

At the bottom, there are two buttons: 'CANCEL' (grey) and 'APPLY' (dark blue).

These calculations will be added to the final estimate amount.

Code / Cat / IM	Year	From - To	Km	Time Period	Price	Surcharge	Shunting fees	Station fees	Exclude
Compania Natională de Căi Ferate Române	2020	Romania - Braşov Romania - Azuga	33.70		115.858 EUR	0.00 EUR	2.488 EUR	0.00 EUR	
		Romania - Braşov Romania - Dârste	6.20	n.a.	23.371		2.488		<input type="checkbox"/>
		Romania - Dârste Romania - Timişu de Jos h.	5.00	n.a.	16.232			0.00	<input type="checkbox"/>
		Romania - Timişu de Jos h. Romania - Timişu de Sus Hm.	5.20	n.a.	16.881				<input type="checkbox"/>
		Romania - Timişu de Sus Hm. Romania - Tunel Mare h.	5.50	n.a.	17.855				<input type="checkbox"/>
		Romania - Tunel Mare h. Romania - Predeal	4.40	n.a.	14.284				<input type="checkbox"/>
		Romania - Predeal Romania - Azuga	7.40	n.a.	27.235				<input type="checkbox"/>
Total			33.70		115.86 EUR	0.00 EUR	2.49 EUR	0.00 EUR	118.34 EUR

If station and/or shunting fees are not applicable to an IM, the system will indicate this to the user.

The price estimates are always calculated in EUR. If the country of an IM does not use EUR, the price will be converted by the system by using the exchange rate provided by the IM.

To exclude certain locations from calculation the user must check the respective box in the **Exclude** column and click **Recalculate after Exclusion**.

Code / Cat / IM	Year	From - To	Km	Time Period	Price	Surcharge	Shunting fees	Station fees	Exclude
Compania Natională de Căi Ferate Române	2020	Romania - Braşov Romania - Azuga	33.70		115.858 EUR	0.00 EUR	0.00 EUR	0.00 EUR	
		Romania - Braşov Romania - Dârste	6.20	n.a.	23.371				<input type="checkbox"/>
		Romania - Dârste Romania - Timişu de Jos h.	5.00	n.a.	16.232				<input type="checkbox"/>
		Romania - Timişu de Jos h. Romania - Timişu de Sus Hm.	5.20	n.a.	16.881				<input type="checkbox"/>
		Romania - Timişu de Sus Hm. Romania - Tunel Mare h.	5.50	n.a.	17.855				<input checked="" type="checkbox"/>
		Romania - Tunel Mare h. Romania - Predeal	4.40	n.a.	14.284				<input type="checkbox"/>
		Romania - Predeal Romania - Azuga	7.40	n.a.	27.235				<input type="checkbox"/>
Total			33.70		115.86 EUR	0.00 EUR	0.00 EUR	0.00 EUR	115.86 EUR

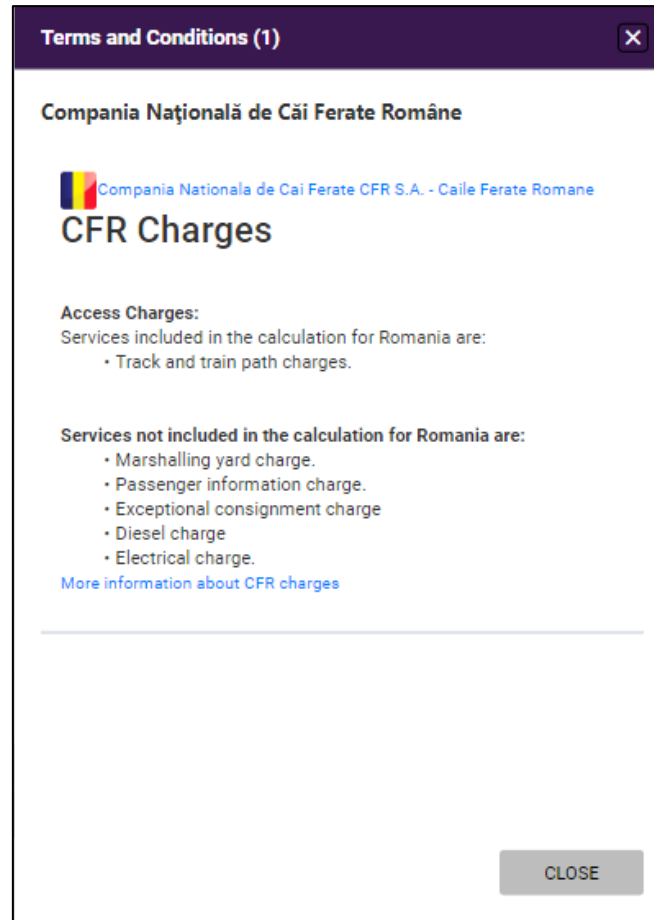
< BACK
TERMS AND CONDITIONS
Start New Calculation
Recalculate after Exclusion

2.4.1. Terms and Conditions

Every IM has provided terms and conditions for the use of its network. Such terms and conditions can include, for example, additional information regarding the calculation (e.g. if price for traction current is included) or further information about the charging scheme of the IM.

The user can consult these terms and conditions by clicking 'Terms and Conditions'.

The terms and conditions are then displayed in a new pop-up window.



2.4.2. Export


There are 2 formats to export the calculated estimate from CIS: PDF and Excel. The export icons are located above the results table on the right. By clicking the required icon the export will be downloaded to the user's computer.



Example of export in PDF:

Charging Information System

17.06.2020



IM name:	Compania Nacional de C i Ferate Române
Train Category	Freight
Train Type	Conventional Train
Traction Type	Diesel
Path Type	Standard Path
Number of Locomotives	1
Number of Wagons	0
Load Weight (total)	2000
Weight of all Locomotives (t)	80
Weight of all Wagons (t)	1000
Axle Load (t)	0
Length of all Locomotives (m)	20
Length of all Wagons (m)	0
Request Average Speed (km/h)	0
Wagon and Load Weight (total, t)	0
Number of all Diesel Locomotives	0
Number of all Electric Locomotives	0
Number of all Steam Locomotives	0
Train Supplements	- no supplement -

Trainpath:

IM	From - To	Km	Line Price	Surcharge	Shunting Fees	Station Fees
Compania Nacional de C i Ferate Române	Romania - Bra_ov - Roman	33.70	115.857 EUR	0.00 EUR	0.00 EUR	0.00 EUR
Total Line Price			115.857 EUR			
Total Surcharge				0.00 EUR		
Total Shunting Fees					0.00 EUR	
Total Station Fees						0.00 EUR
Total						115.857 EUR

Details:

Line Code & Cat.	From - To	Km	Time Period	Line Price	Shunting Fees	Station Fees
	Romania - Bra_ov - Roman	6.2	n.a.	23.371 EUR		
	Romania - Dârste - Roman Jos h.	5	n.a.	16.232 EUR	0.00 EUR	
	Romania - Timi_u de Jos h Timi_u de Sus Hm.	5.2	n.a.	16.881 EUR	0.00 EUR	0.00 EUR
	Romania - Timi_u de Sus H Tunel Mare h.	5.5	n.a.	17.855 EUR	0.00 EUR	0.00 EUR
	Romania - Tunel Mare h. - Romania - Predeal	4.4	n.a.	14.284 EUR	0.00 EUR	0.00 EUR
	Romania - Predeal - Romania - Azuga	7.4	n.a.	27.235 EUR	0.00 EUR	0.00 EUR

Example of export in Excel:

Charging Information System		RNE CIS								
17.06.2020		Charging Information System								
IM name:	Compania Națională de Căi Ferate Române									
Train Category	Freight									
Train Type	Conventional Train									
Traction Type	Diesel									
Path Type	Standard Path									
Number of Locomotives	1									
Number of Wagons	0									
Load Weight (total)	2000									
Weight of all Locomotives (t)	80									
Weight of all Wagons (t)	1000									
Axle Load (t)	0									
Length of all Locomotives (m)	20									
Length of all Wagons (m)	0									
Request Average Speed (km/h)	0									
Wagon and Load Weight (total, t)	0									
Number of all Diesel Locomotives	0									
Number of all Electric Locomotives	0									
Number of all Steam Locomotives	0									
Train Supplements	- no supplement -									
Trainpath:										
IM	From-To	Km	Line Price	Surcharge	Shunting Fees	Station Fees				
Compania Națională de Căi Ferate Române	Romania - Braşov - Romania - Azuga	33.70	115.857 EUR	0.00 EUR	0.00 EUR	0.00 EUR				
Total Line Price		33.70	115.857 EUR							
Total Surcharge				0.00 EUR						
Total Shunting Fees					0.00 EUR					
Total Station Fees						0.00 EUR				
Total						115.857 EUR				
Details										
Line Code & Cat.	From-To	Km	Time Period	Line Price	Shunting Fees	Station Fees				
	Romania - Braşov - Romania - Dârste	6.20	n.a.	23.371 EUR	undefined	undefined				
	Romania - Dârste - Romania - Timișu de Jos h.	5.00	n.a.	16.232 EUR	0.00 EUR	undefined				
	Romania - Timișu de Jos h. - Romania - Timișu de Jos h.	5.20	n.a.	16.881 EUR	0.00 EUR	0.00 EUR				
	Romania - Timișu de Jos h. - Romania - Tunel Mare h.	5.50	n.a.	17.855 EUR	0.00 EUR	0.00 EUR				
	Romania - Tunel Mare h. - Romania - Predeal	4.40	n.a.	14.284 EUR	0.00 EUR	0.00 EUR				
	Romania - Predeal - Romania - Azuga	7.40	n.a.	27.235 EUR	0.00 EUR	0.00 EUR				

2.5. CIS Support

Mail: support.cis@rne.eu

For telephone enquiries please call: +43 1 907 6272 25

Service Desk opening hours:

The telephone hotline for CIS users is available **Monday to Thursday 9 AM to 4 PM CET** and **Friday 9 AM to 3 PM**, excluding Austrian public holidays.

Monday – Thursday: 09:00 – 16:00

Fridays: 09:00 – 15:00