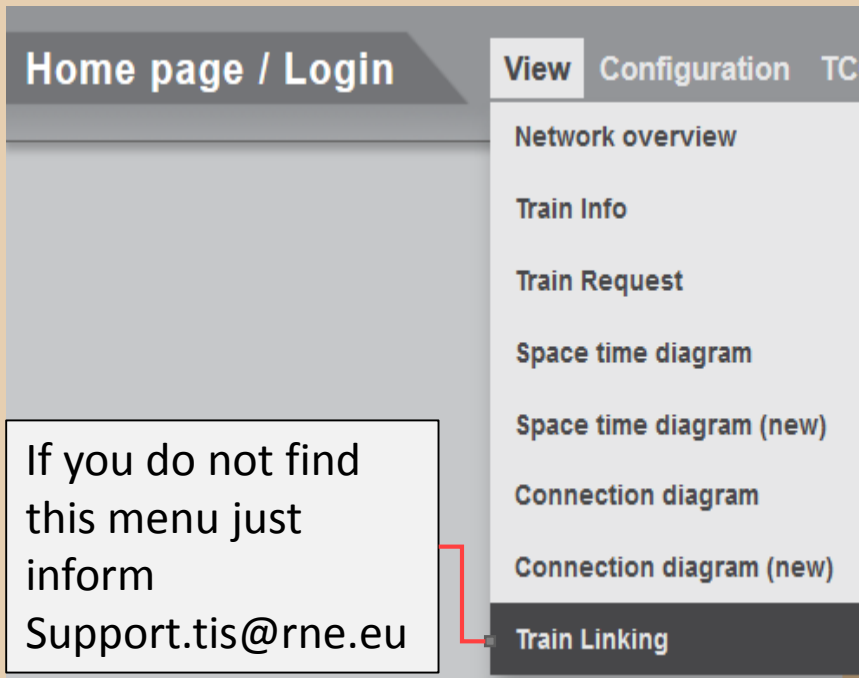


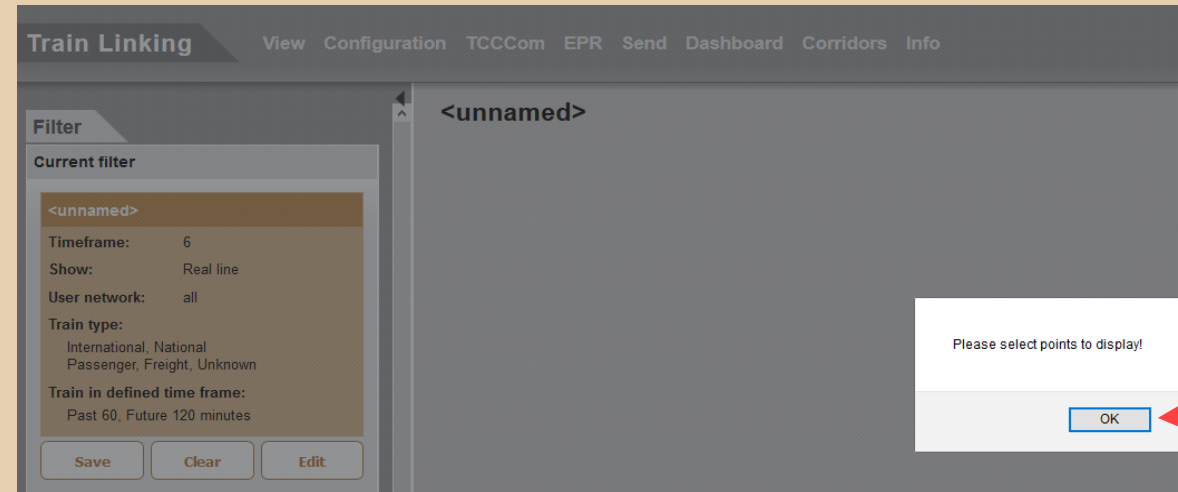
LinkUp Training Material

# LinkUp: Procedures and Steps: Start Linking Page

Open TIS and start Page TrainLinking



Create filter for border or single station(s)



If no default filter is defined, you will be asked to select point(s) – see message above

# LinkUp: Procedures and Steps: Create Filter

## Edit filter <unnamed>

### Train List

Reference Number \*

Train type

- ☒ Passenger **8** ☒ National  
☒ Freight ☒ International  
☒ Unknown

User network

all

### Time frame

- Base Time ☒ Use current time  
☐ Calculate timeframe based on:

Past 600 minutes **6**

Future 600 minutes **7**

### Border Points

Handover points only ☒ **1**

Point

0079\43777\Hd\HODOŠ **2**

Linked point (optional)

0055\5074\ÖP\Öriszentpéter **3**

Swap

### Link Status

Candidates

Linkable trains only

Linked Manually

All trains

### Cancelled Trains

☐ Exclude possibly cancelled trains

### Diagram settings **5**

Timeframe

6

- ☒ CTT line **4**  
☐ Real line

RU

Add

IM

Name

Code

none selected

**9**

Apply

You may untick Train Type 'Passenger' (step 8) and you can change the order of the stations "Swap" (step 11), to change the direction of the traffic on the page.

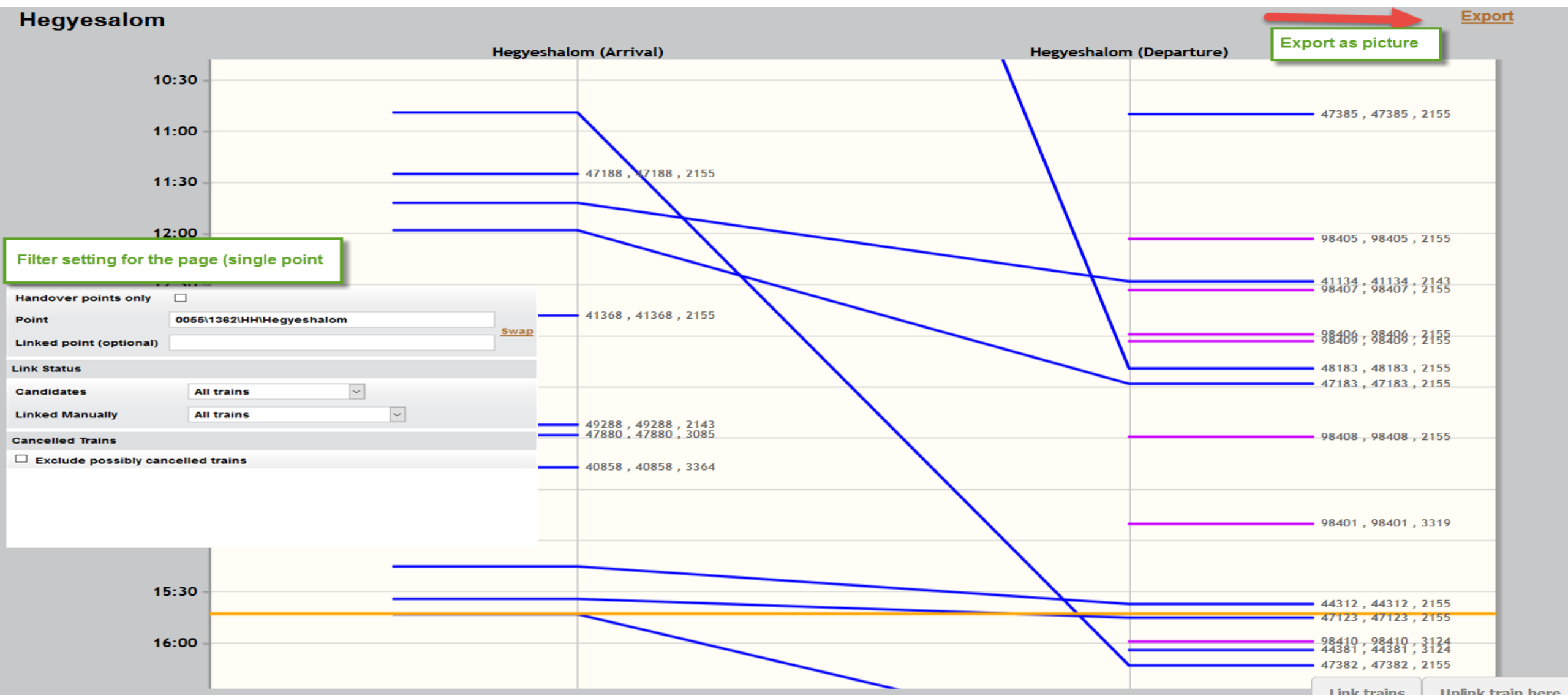
# LinkUp: Procedures and Steps: Filter single point

Filter settings for a single Point, in cases the train number change happens in a station

Edit filter Hegyesalom

Train List	Border Points	Diagram settings						
<b>Reference Number</b> *	<b>Handover points only</b> <input type="checkbox"/> 1 2	<b>Timeframe</b> 6						
<b>Train type</b> <input type="checkbox"/> Passenger <input checked="" type="checkbox"/> National <input checked="" type="checkbox"/> Freight <input checked="" type="checkbox"/> International <input checked="" type="checkbox"/> Unknown	<b>Point</b> 0055\1362\HH\Hegyesalom <a href="#">Swap</a>	<input checked="" type="checkbox"/> CTT line <input type="checkbox"/> Real line						
<b>User network</b> all	<b>Linked point (optional)</b>	<b>RU</b>						
<b>Time frame</b>	<b>Link Status</b>	<input type="text"/> <a href="#">Add</a>						
<b>Base Time</b> <input checked="" type="radio"/> Use current time <input type="radio"/> Calculate timeframe based on: <input type="text"/>	<b>Candidates</b> All trains 3	<table border="1"><thead><tr><th>IM</th><th>Name</th><th>Code</th></tr></thead><tbody><tr><td colspan="3">none selected</td></tr></tbody></table>	IM	Name	Code	none selected		
IM	Name	Code						
none selected								
<b>Past</b> 600 minutes	<b>Linked Manually</b> All trains 4							
<b>Future</b> 600 minutes	<b>Cancelled Trains</b>							
	<input type="checkbox"/> Exclude possibly cancelled trains							
<a href="#">Cancel</a>	5 <div>1. Untick Handoverpoint only 2. Chose proper point (any TIS point) 3. Select Candidates 4. Link Option 5. Tick or untick "canelled trains" Please be aware this option is not very much reliable</div>	<a href="#">Apply</a>						

# LinkUp: Procedures and Steps: Single point All Trains (linked and not linked trains)



# LinkUp: Procedures and Steps: Save Filter

**Train Linking** View Configuration TCCCom EPR Send Dashboard Corridors Info

**Filter**

**Current filter**

<unnamed>

Timeframe: 6

Show: CTT line

User network: all

Train type:

International, National  
Freight, Unknown

Train in defined time frame:

Past 600, Future 600 minutes

Link Status: Linkable trains only

Border Points:

HODOŠ, Őriszentpéter

**1** Save Clear Edit

**Save filters**

Name
all
Passau_NPAG_Wernstei
Hodos-Őreszentpeter
STD_LINZ-WIEN
TIS-624

**<unnamed>**

HODOŠ (Arrival) Őriszentpéter (Departure)

14.01.2017 02:00

02:30

03:00

03:30

04:00

04:30

05:00

05:30

06:00

06:30

**Save Filter As**

Name

=L\_Hodos-Őreszentpeter **2**

Saved filters

Name
all
Passau_NPAG_Wernstei
Hodos-Őreszentpeter
STD_LINZ-WIEN
TIS-624
LinkUP Brennero
L_Hausbergen Triage
Breclav

**3** Cancel Save

Save filter (step 1), the "Save Filter As" dialog pops up. Fill in a proper name and if you put the "=" in front of the filter name, the application will regard it as the "default" filter.

After that the filter will be taken as "default" filter.

You can use the letter "L" as indication for LinkUp filter (step 2), if you define filter for different applications (Space Time, Connection Diagram) you can apply the same routine. Finally save the filter (step 3).

# LinkUp: Procedures and Steps: Select Filter

Train Linking

View Configuration TCCCom EPR Send Dashboard Corridors Info

1 4005 Eprint

ORNE TIS  
Train Information System

Train type:  
International, National  
Freight, Unknown

Train in defined time frame:  
Past 600, Future 600 minutes

Link Status: Linkable trains only

Border Points:  
HODOŠ, Örszentpéter

Save Clear Edit

Saved filters

Name
all
Passau_NPAG_Wernstei
Hodos-Örszentpeter
<b>=L_Hodos-Örszentpeter</b> 1
STD_LINZ-WIEN
TIS-624
LinkUP Brennero
L_Hausbergen Triage
Breclav
L_Wernstein_Passau
TIS-578
L_Flensburg-Padbougr Gräsne
CD_Hegye
L_Kittsee_Bratislava Petrazalka
Space-Time_Brussels-Amsterdam C
Hodos-Oreszentpeter
LinkUP Tarvisio

Load filter 2

=L\_Hodos-Örszentpeter 3

HODOŠ (Arrival)

Örszentpéter (Departure)

14.01.2017 02:00

02:30

03:00

03:30

04:00

04:30

05:00

05:30

06:00

06:30

07:00

07:30

08:00

Select the proper filter (step 1) and click on "Load filter" (step 2). After the filter page was started the choosen Name will be displayed on the upper left frame (3)

49781 , 49781 , 3024

49780 , 49780 , 3024

49784 , 49784 , 0079T

Link trains

Unlink train here

ORNE TIS  
Train Information System

13 June, 2018

7

# LinkUp: Procedures and Steps: Choose Trains, Start linking

=L\_Hodos-Öreszentpeter

[Export](#)

HODOŠ (Arrival)

Öriszentpéter (Departure)

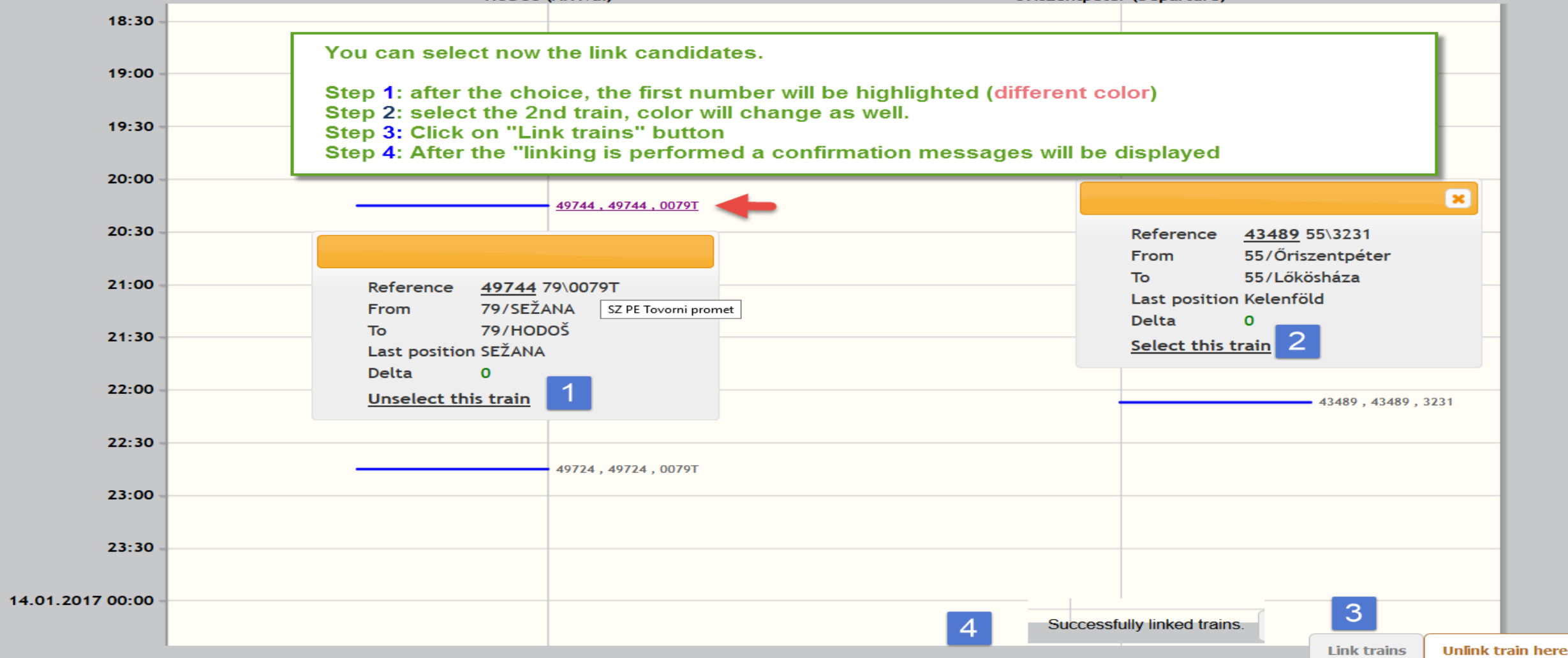
You can select now the link candidates.

Step 1: after the choice, the first number will be highlighted (different color)

Step 2: select the 2nd train, color will change as well.

Step 3: Click on "Link trains" button

Step 4: After the "linking is performed a confirmation messages will be displayed





# LinkUp: Procedures and Steps: ReferenceNumber Choice

Linking trains

This action links the selected trains.

Select the reference number to use for the linked train:

☒ 49744

☐ 43489

Do you want to apply this action to the current train run only or create a permanent link?

☒ Once

☐ Valid until:

☒ Valid until:

<< < January, 2017 > >> close

Sun Mon Tue Wed Thu Fri Sat

1 1 2 3 4 5 6 7

Confirm

Abort

A dialog will ask you to select the unique Reference Number for the entire train. The application will propose the first Reference Number, however you have a choice to take the second as unique Reference.

**Please note**: This choice is possible by the **first link** only. If a national train is already linked, this choice will not be possible anymore. Just to avoid that the Reference Number will be changed once again, as additional national trains can be linked to the train further on.

(Every linked train will be flagged internally in the database as basis to unlink already linked trains)

**Periodicity**: You have the choice to perform this link only once, however you can define a date until when this link should be valid as well. You can use the calendar and a time picker function, if you choose the second possibility.

# LinkUp: Procedures and Steps: Unlink Trains

=L\_Hodos-Öreszentpeter

[Export](#)

**HODOŠ (Arrival)** **Öriszentpéter (Departure)**

05:30  
06:00  
06:30  
07:00  
07:30  
08:00  
08:30  
09:00  
09:30  
10:00  
10:30  
11:00  
11:30

If a link was done by mistake, you can unlink this train. Just select the train on the proper point and follow the steps mentioned on the picture. Open the filter page, change "Linked Manually" to "Only manually ... and start with step 1

Border Points  
Handover points only ☒  
Point 0079\43777\Hd\HODOŠ  
Linked point (optional) 0055\5074\ÖP\Öriszentpéter [Swap](#)

Link Status  
Candidates All trains  
Linked Manually Only manually linked trains **1**

Cancelled Trains  
☐ Exclude possibly cancelled trains

Reference 41912 79\0079T  
From 79/KOPER TOVORNA  
To 55/Hegyeshalom  
Last position ZIDANI MOST  
Delta 0  
[Unselect this train](#)

After you select the train **2** the color will turn to red **3** and the **unlink** button lower down left will get active. Push this button **4** and the trains gets unlinked. Finally a message will be displayed **5**

Reference 41912 79\0079T  
From 79/KOPER TOVORNA  
To 55/Hegyeshalom  
Last position ZIDANI MOST  
Delta 0  
[Select this train](#) **2**

**5** Successfully unlinked train. [Link trains](#) [Unlink train here](#)

**4** [Link trains](#) [Unlink train here](#)

**3** [41912, 41912, 0079T](#)

# LinkUp: Procedures and Steps: Manual linked Trains

Edit filter =L\_Hodos-Örszentpéter

Train List	Border Points	Diagram settings						
<b>Reference Number</b> *	<b>Handover points only</b> <input checked="" type="checkbox"/>	<b>Timeframe</b> <input type="text" value="6"/>						
<b>Train type</b> <input type="checkbox"/> Passenger <input checked="" type="checkbox"/> National <input checked="" type="checkbox"/> Freight <input checked="" type="checkbox"/> International <input checked="" type="checkbox"/> Unknown	<b>Point</b> <input type="text" value="0079\43777\Hd\HODOŠ"/> <a href="#">Swap</a>	<input checked="" type="checkbox"/> CTT line <input type="checkbox"/> Real line						
<b>User network</b> <input type="text" value="all"/>	<b>Linked point (optional)</b> <input type="text" value="0055\5074\ÖP\Örszentpéter"/>	<b>RU</b>						
<b>Time frame</b>	<b>Link Status</b>	<input type="text" value=""/> <a href="#">Add</a>						
<b>Base Time</b> <input checked="" type="radio"/> Use current time <input type="radio"/> Calculate timeframe based on: <input type="text" value=""/>	<b>Candidates</b> <input type="text" value="All trains"/>	<table border="1"><thead><tr><th>IM</th><th>Name</th><th>Code</th></tr></thead><tbody><tr><td colspan="3">none selected</td></tr></tbody></table>	IM	Name	Code	none selected		
IM	Name	Code						
none selected								
<b>Past</b> <input type="text" value="1200"/> minutes	<b>Linked Manually</b> <input type="text" value="Only manually linked trains"/>							
<b>Future</b> <input type="text" value="600"/> minutes	<b>Cancelled Trains</b> <input type="checkbox"/> Exclude possibly cancelled trains							

You can select manual linked trains via the filter page:

1. step: modify the filter
2. step: push Apply

[Cancel](#)

Only 5 days back from the current day are provided, if calculate timeframe ... is used

[Apply](#)

# LinkUp: Procedures and Steps: Manual linked Trains View

=L\_Hodos-Öreszentpeter

[Export](#)

HODOŠ (Arrival)

Öriszentpéter (Departure)

13.01.2017 18:00

18:30

19:00

19:30

20:00

20:30

21:00

21:30

22:00

22:30

23:00

Reference 94024 79\0079T  
From 79/LJUBLJANA  
To 55/Zalaszentiván  
Last position HODOŠ  
Delta 0

[Select this train](#)

94024 , 94024 , 0079T

# LinkUp: Train Info/Train Search Page

After the link is performed, the Train Info page will be updated and all **national service number(s)** will be added to the “National Train Number Info (right part of the Train Info Header)”. The search function is working either for **International** or **National** Train Number. After the link, based on the choice (Slide 9), one Reference number will disappear, as only one Reference Number is possible in an entire train. Finally we do not touch the national Service Number.

**Train search** View Configuration TCCCom EPR Send Dashboard Corridors Info

**International Train Number** 94024 **National Train Number**  **Departure Time**

From 14/01/2017 00:00:00 +01:00 To 14/01/2017 23:59:59 +01:00 **Apply**

Result count: 0

÷ Train number ÷ From ÷ Time (from) ÷ Delta (from)

International Train Number	Last Position	Status	Delta	From Point	National Train Numbers
94024	HODOŠ 13/01/2017 23:55:00 +01:00	Departure	+250	LJUBLJANA 13/01/2017 10:30:00 +01:00	29557, 94024
				To Point	TrainInfo International Train
				Zalaszentiván 13/01/2017 21:08:00 +01:00	Last Update 14/01/2017 13:07:07 +01:00

# LinkUp: Train Info/Train Search Page

## Feedback:

We need your help to further improve TIS!

Please send your ideas, feedback, criticism, suggestions for improvement to: [support.tis@rne.eu](mailto:support.tis@rne.eu). We will record all your findings and proposals and take it into account for additional enhancements.

## Josef Stahl/Daniel Drexler

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