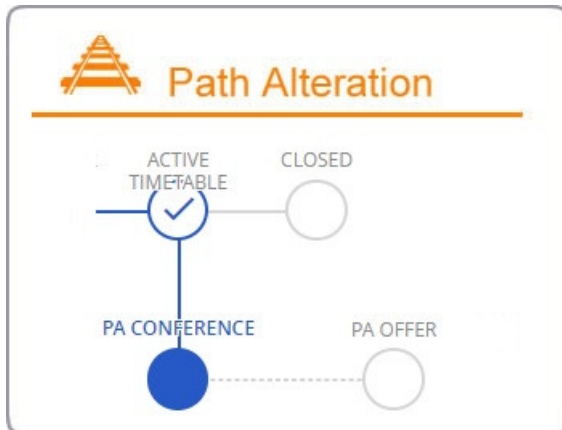


## Process Path Alteration

### Content

### Introduction



- Path Alteration Process allows the IMs to adapt the originally agreed Active Timetable.
- The alteration can be proposed by any of the IMs involved in the dossier for the whole validity period of the dossier or just some parts of it.
- ***PCS constrain: Cannot request alterations for the days that are in the past***
- The originator IM\* has always the right to withdraw the Alteration request and go back to the Active Timetable phase

The whole process consists of the following phases:

- Path Alteration Conference – IM phase
- Path Alteration Offer – Applicant phase

### How to start the process

First, the IM has to press the "Submit path alteration" button where the process will start with a wizard window. It works in all process types the same way.

### Path Alteration types

The following Path alteration types are available in the system:

- Cancellation of days
- Modification of departure or arrival time
- Modification of route
- Modification of train parameters
- Border/Handover/Interchange times adaptation
- Path not available

### Affected pairs

Initiator IM has the option to mark manually their partners to be affected. However, if the changes are done only internally without any impact on the partners, the neighboring IM should not be bothered. Of course, PCS is checking the changes that the initiator IM makes and if there are changes that are affecting the border, the system will downgrade the partner's light to yellow automatically.

Initiator IM is marked with the following symbol: ↓

Affected pair marked with the following symbol: ⬇

### Edit timetable

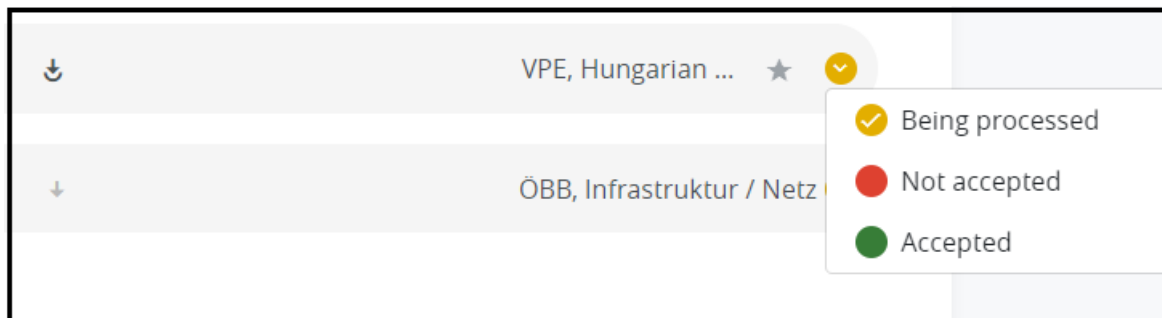
Once the reason for the path alteration and the involved pair (s) have been determined, the IM timetable will be **editable** for the initiator IM.

Changes could be:

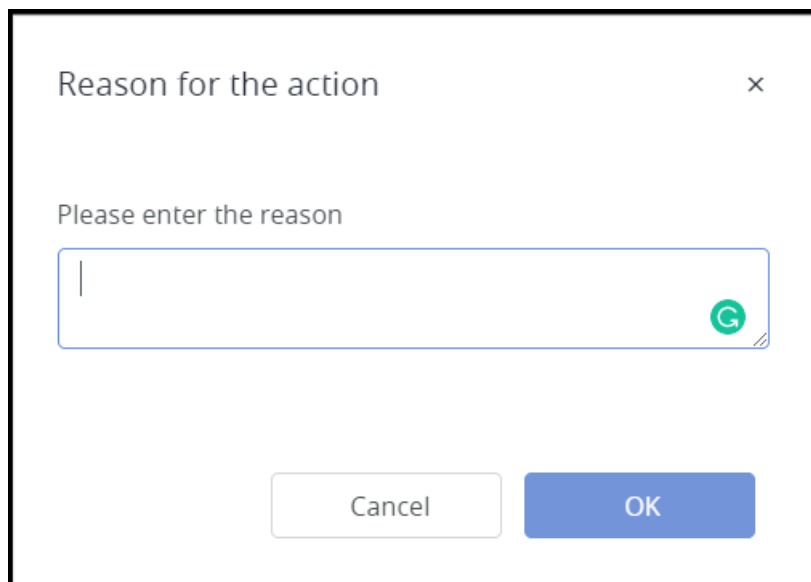
- Times
- Parameters
- Calendar

### Accept/Reject changes

Affected Applicants/IMs should check the changes that were made by the initiator IM the dossier in order to submit it to the next path alteration phase.



If for some reason, one of the partners rejects and changes the acceptance indicators to red than must add a mandatory comment to explain the reason for the action.



### Comments

When the path alteration process started PCS saves the action automatically into the comment area including the selected path alteration types.

Also the same happens if an involved parties reject the offer and enter the reason for action:

ÖBB-I Support (ÖBB, Infrastruktur / Netz) | PA Conference  
 Sep 7, 2020 11:13 AM

Rejected the offer and set red light

Reject

ÖBB-I Support (ÖBB, Infrastruktur / Netz) | PA Conference  
 Sep 7, 2020 11:11 AM

Path alteration process started

Path Alteration process initiated because of: 1. Modification of departure or arrival time 2. Modification of train parameters

## VALIDITY PERIOD FULLY IN THE FUTURE

The following example will show the alteration process in the Late Path Request process type.

Start Path alteration

In our example, the leading IM is VPE, but the Path Alteration is started by the involved IM ÖBB-I.

**Control** Pre-condition: dossier must be in Active Timetable

Available for every IMs

Submit path alteration conference

The Next step is to select the reason for the Path Alteration indicating it with the type of alteration. In our example, we will modify the timetable, so we choose the modification of the departure/arrival timetable and the modification of the train parameters path modification types. It is possible to select multiple items for path alteration reasons.

Control

Submit Path Alteration

Path alteration type

Shows the number of items selected

Modification of departure or arrival time, Modification of train parameters 2 ▾

- [select all]
- Cancellation of days
- ✓ Modification of departure or arrival time
- Modification of route
- ✓ Modification of train parameters
- Border/Handover/Interchange times adaptation
- Path not available

## Editing timetable

The IM can select either to edit the timetable or edit the train parameters, PCS opens the timetable in "edit" mode as in the Path Elaboration phase.

The system indicates on the subpath that the process has started, it uses the path alteration word abbreviations( PA) :

+ Add

Switch view to: Standard view

manual, automatic, UTC Offset Enabled

**LTE-HU / VPE**

S1 **Default route**

FERENCVAROS → HEGYESHALOM

13.12.2020 - 11.12.2021 (1-5)

↔
+ Add

S1 **Default route** PCS Path ID: 556867 Edit

TSI Variant ID 00

Arrival	Departure	
	10:07	<div style="border: 1px solid #ccc; padding: 5px; margin-bottom: 5px;"> <p>Hegyeshalom</p> <p>★ Operational stop <span style="float: right; color: red; font-weight: bold;">Enabled</span></p> <div style="border: 1px solid red; padding: 2px; display: inline-block;"> <span style="color: blue;">Edit train parameters</span> </div> </div> <div style="border: 1px solid #ccc; padding: 5px; margin-bottom: 5px;"> <p>Common train parameters -</p> </div> <div style="border: 1px solid #ccc; padding: 5px;"> <p>Activity type</p> <p>Operational stop</p> </div>

**RCA / ÖBB-I**

S1 **Default route** PA

Hegyeshalom →

Wien Zvbf (in Zur)

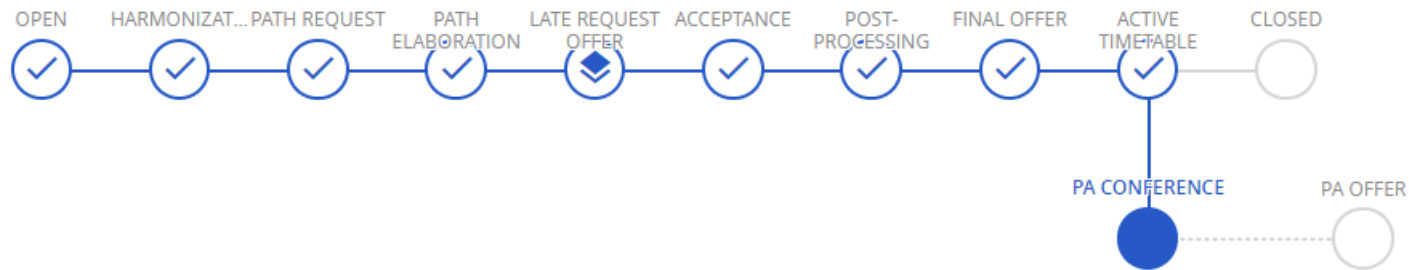
13.12.2020 - 11.12.2021 (1-5)

Indication of the path alteration process

### Control

After submitting the Path Alteration request the dossier arrives at the Path Alteration Conference phase and the light of ÖBB-I has been downgraded to yellow, for RCA has been downgraded to blue.

## Control



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● Rail Cargo Austria AG ↓ ÖBB, Infrastruktur / Netz ●

⚠ Waiting for all IMs to accept the dossier so you can submit PA Offer

## Change timetable

Changes were made, the timetable was shifted 2 minutes earlier in each Austrian station.



+ Add ▾

Switch view to: Standard view ▾

🕒 manual, 🕒 automatic, UTC Offset

### LTE-HU / VPE

**S1** Default route

FERENCVAROS → HEGYESHALOM

13.12.2020 - 11.12.2021 (1-5)

↔
+ Add ▾

### RCA / ÖBB-I

**S1** Default route
PA

Hegyeshalom →

Wien Zvbf (in Zur)

13.12.2020 - 11.12.2021 (1-5)

↔
+ Add ▾

**S1** Default route
PCS Path ID: 556879 Edit

TSI Variant ID 00

Arrival	Departure	
	10:05	<ul style="list-style-type: none"> <li>&gt; Hegyeshalom <span>📅</span></li> <li>★ Operational stop</li> </ul>
11:12		<ul style="list-style-type: none"> <li>&gt; Wien Zvbf (in Zur) <span>📅</span></li> <li>Operational stop</li> </ul>

## Control

We changed the timetable on the border section that should result in yellow lights on the partners' side:

**Control**

OPEN ✓ — HARMONIZAT... ✓ — PATH REQUEST ✓ — PATH ELABORATION ✓ — **LATE REQUEST OFFER** (blue diamond) — ACCEPTANCE ✓ — POST-PROCESSING ✓ — FINAL OFFER ✓ — ACTIVE TIMETABLE ✓ — CLOSED ○

PA CONFERENCE (blue circle) — PA OFFER (grey circle)

---

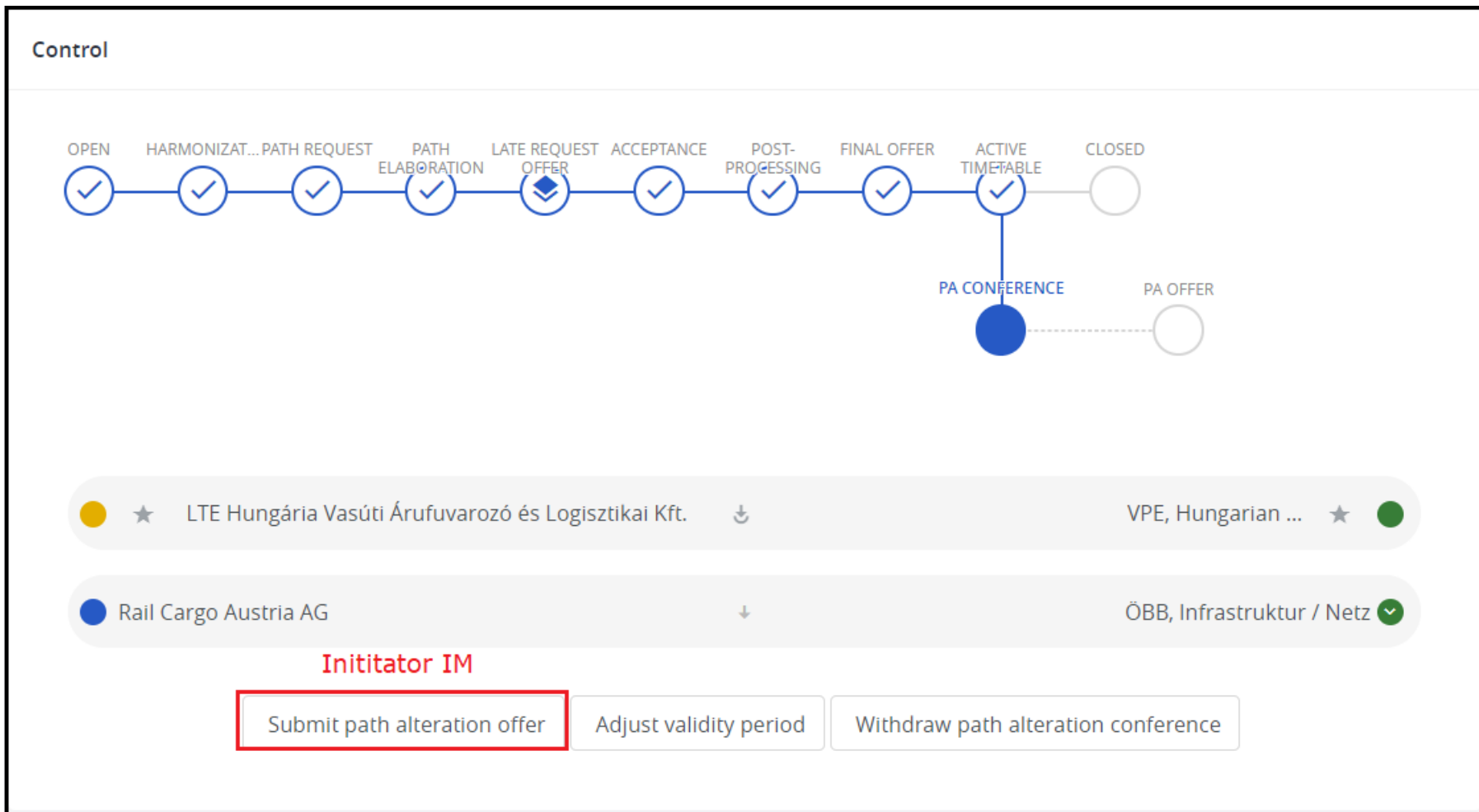
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VPE, Hungarian ... ★

● Rail Cargo Austria AG ↓
ÖBB, Infrastruktur / Netz ▼

⚠ Waiting for all IMs to accept the dossier so you can submit PA Offer

**Submit Path Alteration offer**

When each affected IM accepted the dossier, the initiator IM can submit the Path Alteration Offer.



## Path Alteration Offer

When the initiator IM has submitted the path alteration request the dossier arrives into the Path Alteration Offer phase.

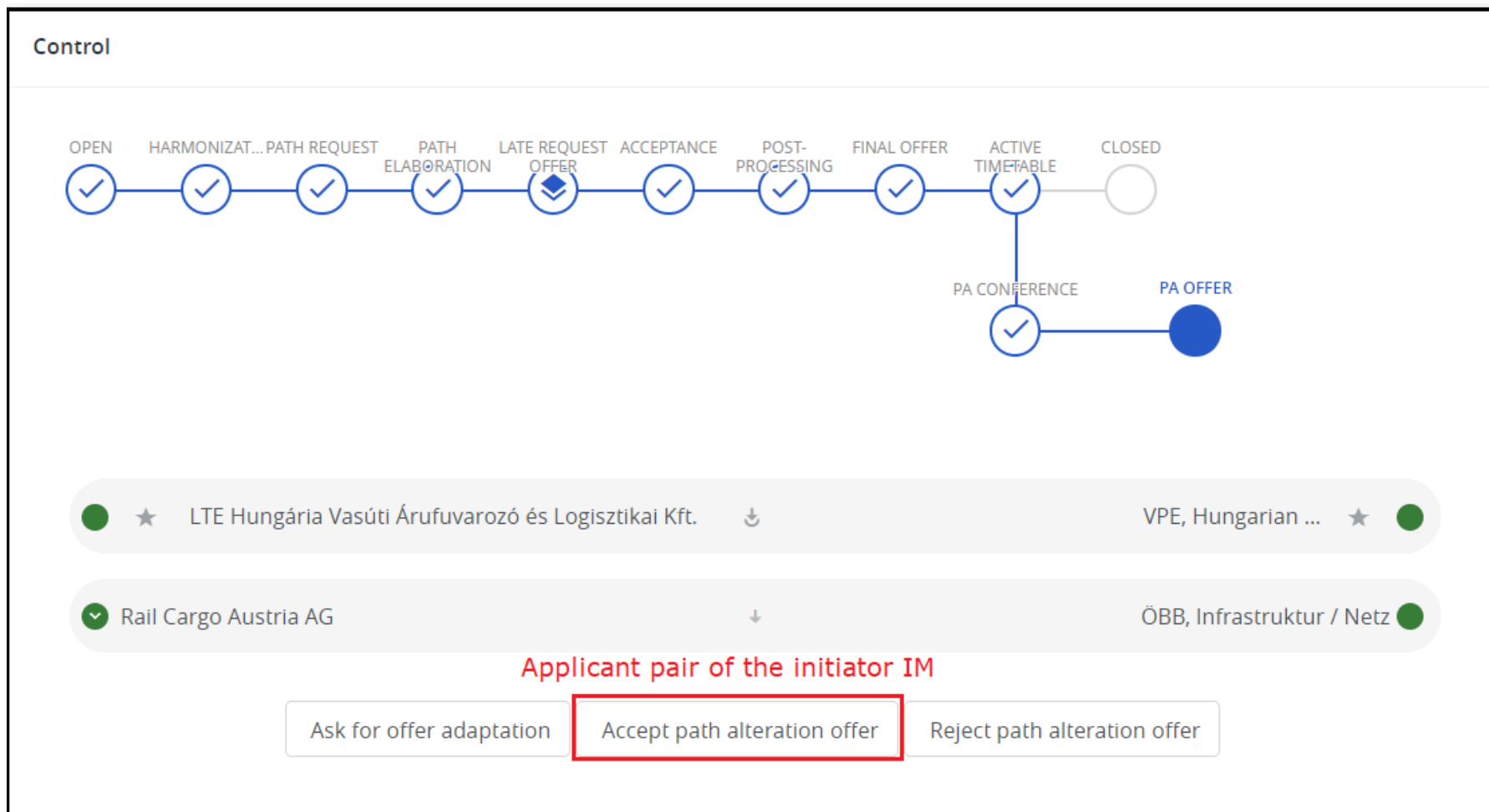
The decision on Path Alteration Offer

Applicants can check the received offer for IMs Path Alteration request and they can make their decision. The usage of the acceptance indicators (lights) is the same as anytime else. At the end the initiator Applicant has three options:

- Ask for offer adaptation: in case the offer is not suitable for the Applicants, but only a couple minor modification is missing, Applicants can decide to give it back to the IMs for finetuning the offer. It can be done every time when they receive an offer in Path Alteration. When the Applicant in pairs with the initiator IM clicks this button, the

dossier will go back to the Path Alteration Conference phase

- Accept path modification offer: this is the ideal situation when Applicants accept the offer and the dossier will go back to Active Timetable with the updated timetable
- Reject path alteration offer: in this case, the dossier will also go back to Active Timetable, but without the changes, so the original timetable (before the Path Alteration process) will remain



## VALIDITY PERIOD HAS ALREADY STARTED

The following example will show the path alteration process in the Ad-hoc Path Request process type. We follow the same use case as above.

Once the path alteration process has been initiated by the initiating IM, the IM's timetable becomes editable and **can request changes for the FUTURE DAYS by adding a NEW SUBPATH.**

The timetable is not editable when the dossier enters the path alteration process because it contains days from the past, so a new subpath needs to create!

### IM Timetable

Territories
Calendar
Path Variants

+ Add
Switch view to: Standard view
manual, automatic, UTC Offset **Disabled**

#### LTE-HU / VPE

**S1 Default route**  
GYOER → HEGYESHALOM  
15.12.2019 - 12.12.2020 (1-7)

↔ + Add

#### RCA / ÖBB-I

**S1 Default route**  
Hegyeshalom → Wien Zvbf (in Zur)  
15.12.2019 - 12.12.2020 (1-7)

↔ + Add **Enabled**

Sub-path

**S1 Default route** PCS Path ID: 556799 **Edit**

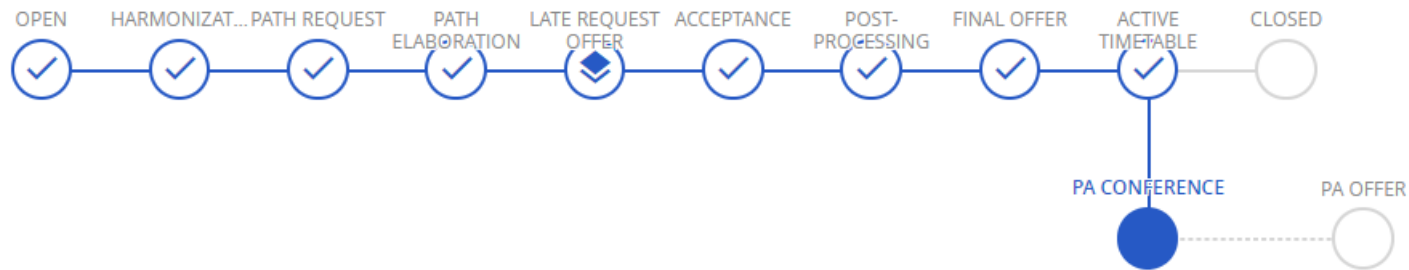
TSI Variant ID 00

Arrival	Departure	Stops
09:30		<ul style="list-style-type: none"> <li>&gt; Hegyeshalom <span style="float: right;">📅</span></li> <li>★ Other stop reason (miscellaneous)</li> </ul>
10:00		<ul style="list-style-type: none"> <li>&gt; Wien Zvbf (in Zur) <span style="float: right;">📅</span></li> <li>Other stop reason (miscellaneous)</li> </ul>

### Control

Looks the same when the dossier entered the path alteration process for the first time.

## Control



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⚠ Waiting for all IMs to accept the dossier so you can submit PA Offer

- Submit path alteration offer
- Adjust validity period
- Withdraw path alteration conference

## Change timetable

Changes were made, the timetable was shifted 2 minutes earlier in each Austrian station.

Territories
Calendar
Path Variants

+ Add
Switch view to: Standard view
manual, automatic, UTC Offset

### LTE-HU / VPE

**S1 Default route**

GYOER → HEGYESHALOM

15.12.2019 - 12.12.2020 (1-7)

↩
+ Add

### RCA / ÖBB-I

**S1 Default route**

Hegyeshalom → Wien Zvbf (in Zur)

15.12.2019 - 12.12.2020 (1-7)

**S2 Default route** PA

Hegyeshalom → Wien Zvbf (in Zur)

08.09.2020 - 12.12.2020 ( )

↩
+ Add

**S2 Default route** PCS Path ID: 556884 Edit

TSI Variant ID 00

Arrival	Departure	
09:28		<ul style="list-style-type: none"> <li>&gt; Hegyeshalom <span style="float: right;">📅</span></li> <li>★ Other stop reason (miscellaneous)</li> <li>⚙️</li> </ul>
09:58		<ul style="list-style-type: none"> <li>&gt; Wien Zvbf (in Zur) <span style="float: right;">📅</span></li> <li>Other stop reason (miscellaneous)</li> </ul>

🔄 Copy Times

New subpath

## Control

We changed the timetable on the border section that should result in yellow lights on the partners' side:

15

**Control**

OPEN ✓ HARMONIZAT... ✓ PATH REQUEST ✓ PATH ELABORATION ✓ LATE REQUEST OFFER ◆ ACCEPTANCE ✓ POST-PROCESSING ✓ FINAL OFFER ✓ ACTIVE TIMETABLE ✓ CLOSED ○

PA CONFERENCE ● PA OFFER ○

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⚠ Waiting for all IMs to accept the dossier so you can submit PA Offer

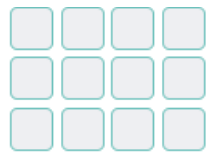
Submit path alteration offer Adjust validity period Withdraw path alteration conference

The next step is to define the running days in the calendar, the new subpath added with an empty calendar. The system indicates a warning message on the control.

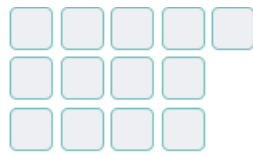
In the calendar, the past days and the future days are displayed differently.

Days in the past

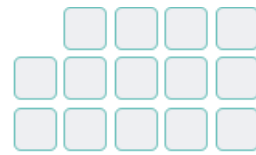




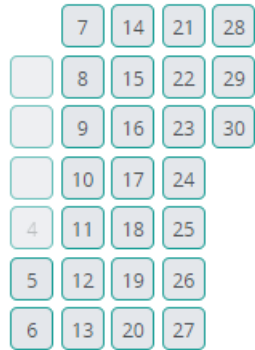
June



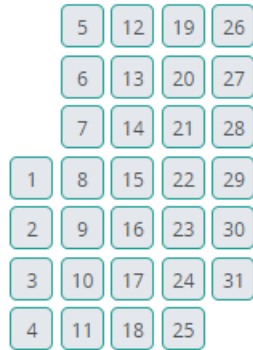
July



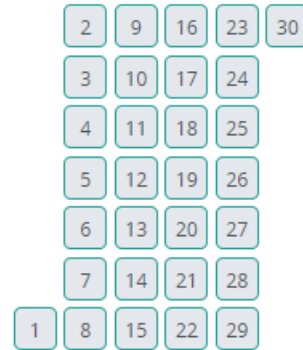
August



September



October









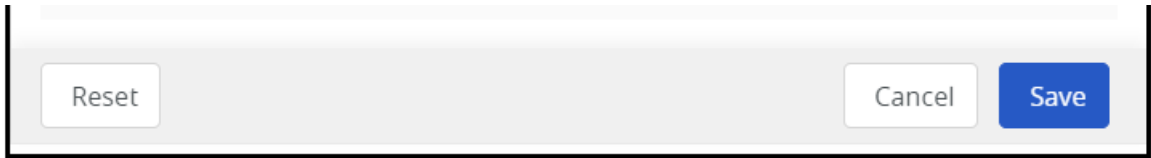
November



December

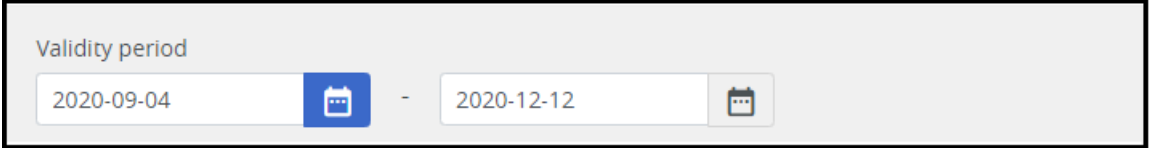
Available future days

- |   |  |
|---|--|
|  Covered in current variant        |  Covered in another variant       |
|  Covered in current sub-path       |  Covered in another sub-path      |
|  Covered in a previous territory   |  Not covered from validity period |
|  Warning                           |  Not available                    |
|  Not covered in previous territory |  |

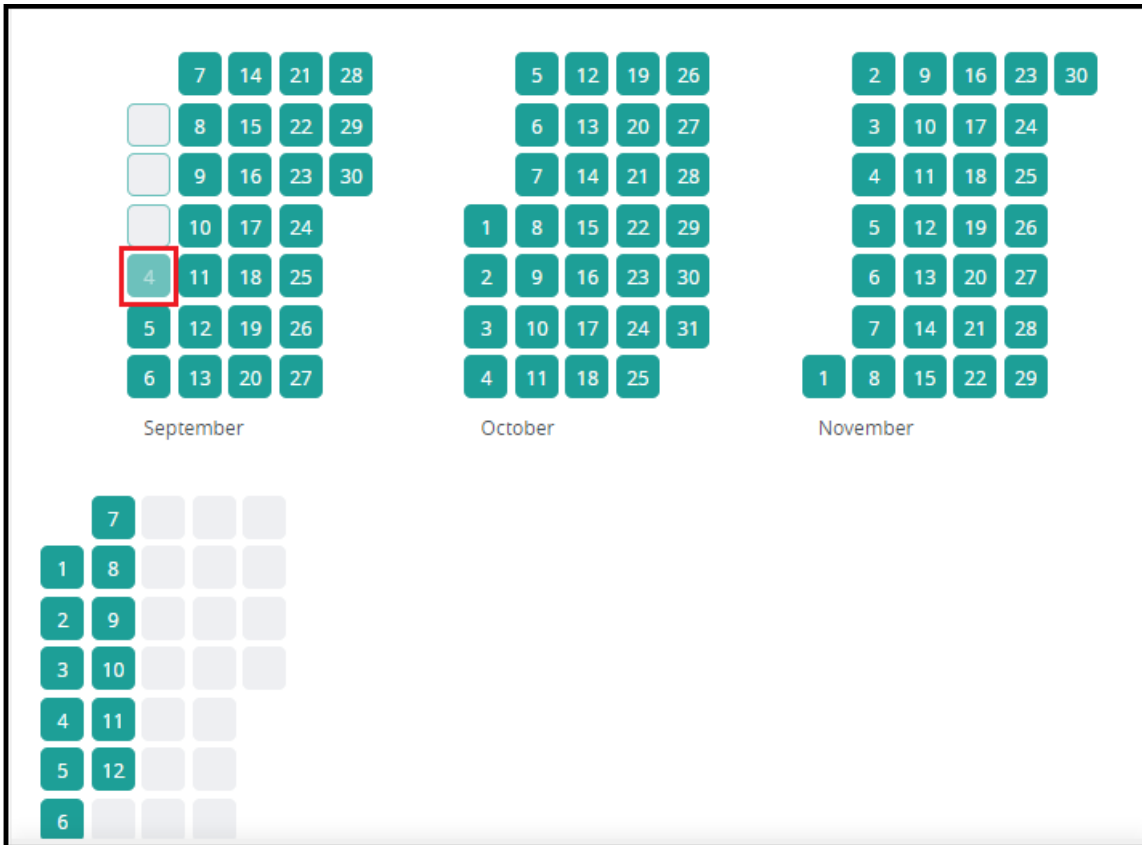


If the path alteration process started in the past for e.g. spending too much time with the preparation of the offer then you need to adjust the validity period which will update it to today's date and restores back the passed days to the original path.

In our example, the path alteration process started one day earlier, the initiator IM decided to continue working and preparing the request on the next day (2020-09-05 which is today's date).

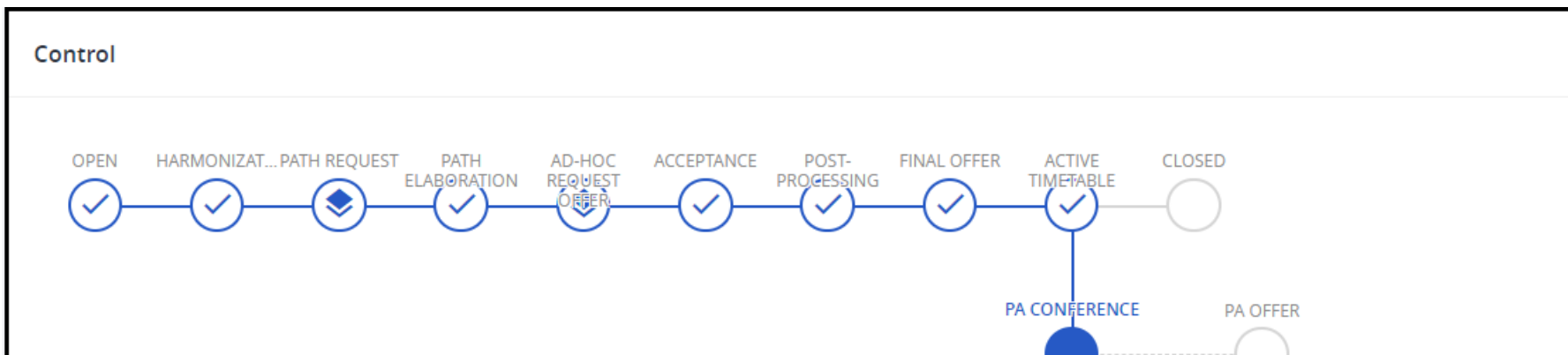


In the calendar, the 2020-09-04 has a faded green color to show that this day will not be part of the new request.



Control

The system indicates it with warning messages. In order to continue to submit the path alteration, needs to adjust the validity period for today's day.



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★
●

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 ↓
ÖBB, Infrastruktur / Netz
▼

!

Complete all missing data in order to accept the dossier

---

○

Calendar is inconsistent! Please synchronize the calendar with the previous territory

⚠

Dossier warnings

---

○

There are original sub-paths with added / cancelled days in the past. The system will automatically restore all running days in the past.

⚠

There are altered sub-paths that have validity period that is in the past.

Submit path alteration offer

Adjust validity period

Withdraw path alteration conference

Please note that there will be no change for 2020-09-04, even though it was originally requested! The Adjust the validity period copies today's date as the start date, click Save.

### Adjust validity period ✕

Validity period

Cancel
Save

After if the affected IM also accepted the request the initiator IM can submit the path alteration offer.

#### Control

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↓
ÖBB, Infrastruktur / Netz ●

! Complete all missing data in order to accept the

dossier

Calendar is inconsistent! Please synchronize the calendar with the previous territory

Dossier warnings

There are original sub-paths with added / cancelled days in the past. The system will automatically restore all running days in the past.

Submit path alteration offer

Adjust validity period

Withdraw path alteration conference

The process continues the same way as in the case of the validity period in the future.

Please read the path alteration phase documents for further information.

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▼ Details

**State:** Published  
**Topic:** [PCS Process](#)  
     [Process Types](#)  
     [Path Alteration](#)  
**Area:** [Reference](#)  
**Release:** [2.x](#)  
**Company**      [All](#)  
**Type:**  
**Keywords:** [path alteration](#)  
               [process types](#)

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▼ Translations

**No translations**

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**Source URL:** <https://cms.rne.eu/pcs/pcs-documentation-0/process-path-alteration-0>