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Timetable Combinations

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As an alternative to the already existing alternative views of a timetable for an agency type (Geography, Calendar, Manual offset) now there will be also the option Timetable Combinations.

RU Timetable

 Geography

 Calendar

 Timetable Combinations

Show only my agency

This view will list all possible combinations created by combining paths defined in the timetable. The paths are joined against their calendar and geography.

Main Timetable

11.12.2016 - 09.12.2017 (1-5,7)

PKP-IC, DB-F

11.12.2016 - 09.12.2017 (1-5,7)

11.12.2016 - 09.12.2017 (1-5,7)

11.12.2016 - 09.12.2017 (1-5,7)

11.12.2016 - 09.12.2017 (1,3-5,7)

11.12.2016 - 09.12.2017 (1-5,7)

11.12.2016 - 09.12.2017 (1-3,5)

11.12.2016 - 09.12.2017

PKP-IC

19.06.2017 - 18.11.2017 (1-5,7)

DB-F

11.12.2016 - 09.12.2017 (1-5,7)

11.12.2016 - 09.12.2017 (1-5,7)

PCS Path ID 338341

Arrival Departure

Arrival	Departure	Station
	17:48	WARSZAWA WSCHODNIA ★ PKP Polskie Linie Kolejowe S.A. Commercial stop
17:50	18:00	WARSZAWA CENTRALNA PKP Polskie Linie Kolejowe S.A. Commercial stop
18:04	18:05	WARSZAWA ZACHODNIA PKP Polskie Linie Kolejowe S.A. Commercial stop
19:04	19:05	KUTNO PKP Polskie Linie Kolejowe S.A. Commercial stop
19:41	19:42	KONIN PKP Polskie Linie Kolejowe S.A. Commercial stop
20:27	20:32	POZNAN GLOWNY PKP Polskie Linie Kolejowe S.A. Commercial stop
21:10	21:11	ZBASZYNEK PKP Polskie Linie Kolejowe S.A. Commercial stop

Each combination will be presented as a composite path. In each path section, only the time changes against the main timetable will be indicated but not the geography changes.

The origin path will be indicated in each path section by its color and a short name:

- M – main timetable
- Sn – subsidiary with its order number, for example, S1, S2 etc.

The order number currently exists in PCS database but is not shown anywhere and it depends on the time when the subsidiary was created. It might not match the ordering in

the geography view where subsidiaries are grouped per involved agencies list. However, the colouring of the subsidiaries will be consistent with the geography view.

The selection options on the left side in the view (comparable to the selection of timetable paths) will display all valid combinations with their order number, validity period and watermark of running days. On hover, the calendar of the first reference point in the combination will be shown.

Combination periods

Order	Validity Period	Watermark
1)	19.06.2017 - 18.11.2017	S 8 S 6 S 9
2)	11.12.2016 - 09.12.2017	(1,3-4,7) M S 4 S 9
3)	11.12.2016 - 09.12.2017	M S 7 S 9
4)	11.12.2016 - 09.12.2017	(1-5,7) M S 1
5)	11.12.2016 - 09.12.2017	(1-4,7) M S 2
6)	11.12.2016 - 09.12.2017	(1-5,7) M S 3
7)	11.12.2016 - 09.12.2017	(5) M S 4
8)	11.12.2016 - 09.12.2017	(1-5,7) M S 5
9)	11.12.2016 - 09.12.2017	M S 6
10)	11.12.2016 - 09.12.2017	M S 7
11)	19.06.2017 - 18.11.2017	(1-5,7) S 8 M
12)	11.12.2016 - 09.12.2017	(1-5,7) M S 9

1) 19.06.2017 - 18.11.2017 ()	
Arrival	Departure
	17:48
	17:55
18:04	18:05
19:04	19:05
19:41	19:42
20:27	20:30
21:10	21:11
21:24	21:25

Compare combinations from this view will lead to the combinations compare view. This view is the same as the regular compare timetables view just that it makes a comparison

between combination paths instead.

RU Timetable

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Combination periods

1) 19.06.2017 - 18.11.2017

S 8 S 6 S 9

1) 19.06.2017 - 18.11.2017 ()

Arrival	Departure
	17:48
WARSZAWA WSCHODNIA	

[↔ Compare Combinations](#)

In the compare view, the user can select from the Applicant/IM combinations and check the differences between them. The view is using the same indication during the comparison as the compare timetable. Please find here an example with some indications about the marked differences. On the next image, it is also visible how the whole stretch is shown from origin to a destination based on the different main and subsidiary timetables.

1 RU 19.08.2017 - 18.11.2017				4 RU 11.12.2016 - 09.12.2017 (1-5,7)	
Arr.	Dep.	Arr.	Dep.		
17:45	17:45	17:45	17:45		
17:55	18:00	17:50	18:00		
18:04	18:05	18:04	18:05		
19:04	19:05	19:04	19:05		
19:41	19:42	19:41	19:42		
20:27	20:30	20:27	20:32		
21:10	21:15	21:10	21:11		
21:24	21:25	21:24	21:25		
21:49	21:52	21:49	21:52		
22:02		22:02			
22:02		22:02			
22:03	22:07	22:03	22:07		
22:32	22:12	22:32	22:15		
23:39	23:44				
00:48		23:08	23:14		
		23:21	23:26		
		23:35	23:35		

Timetable difference

Calendar difference

Removed operation point

Added operation point

If no combinations can be derived the system will show an information message indicating the reason if one can be determined or general message that the process of combining the paths failed.

The reasons for failure are:

- Inconsistent calendars at handover points in the IM timetable
- Subsidiaries have origins and/or destinations that are not part of the main

Potentially there could be dossier structures that will produce irrelevant combinations because of the following non-exhaustive list of reasons:

- More than one subsidiary covers the same running days on the same stretch of the main path
- Running days in the main that is not covered by any subsidiary but should not be taken into account

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