Absolute Trip Delays

Work-flow to Use Absolute Trip Delays

- Use **Load Template** to set up and modify the preference for a wide variety of conditions
- Repeat **Load Template** for additional instances of any template

Preference Overview

This preference sets a maximum overlap time and an associated penalty for allowing overlap. The penalty increases with the overlap time, from 1 min. to the maximum you set.

A real-life schedule with trip overlaps is generally, not allowed. The preference is intended for testing "What if?" scenarios. For example, if the Duties, Vehicles and Operating Cost KPIs show a significant improvement there might be a case for relatively small manual adjustments to the Vehicles schedule as illustrated in the example below.

Templates Available from Optibus

Table 1-1: Templates Summary

Template Name	Purpose	Reference
Overlap - general	Sets a maximum overlap time and an associated penalty for allowing overlap. The penalty increases with the overlap time, from 1 min. to the maximum.	**Overlap - general**
Overlap - for route group	Sets a maximum overlap time and an associated penalty for allowing overlap for a designated route group. The penalty increases with the overlap time, from 1 min. to the maximum.	**Overlap - for route group**

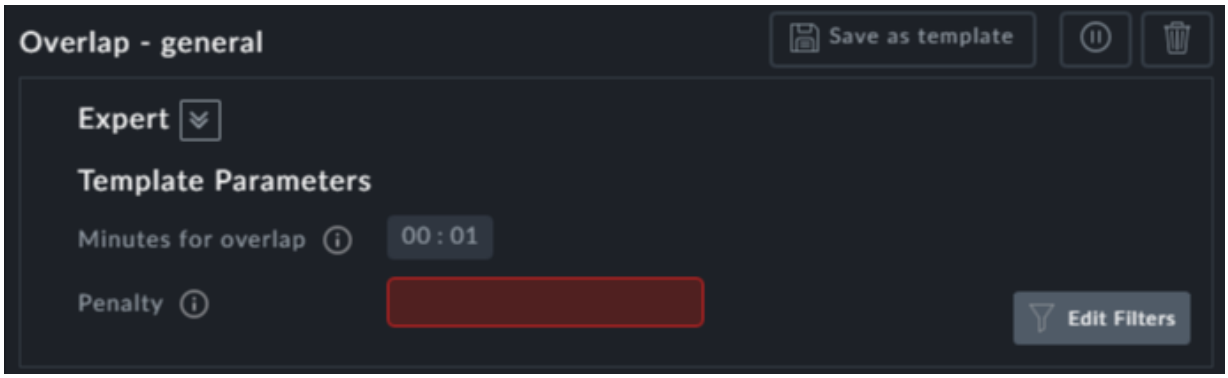
Overlap - general

Purpose:

Sets a maximum overlap time and an associated penalty for allowing overlap. The penalty increases with the overlap time, from 1 min. to the maximum.

Prerequisites: None.

Opening Dialog:

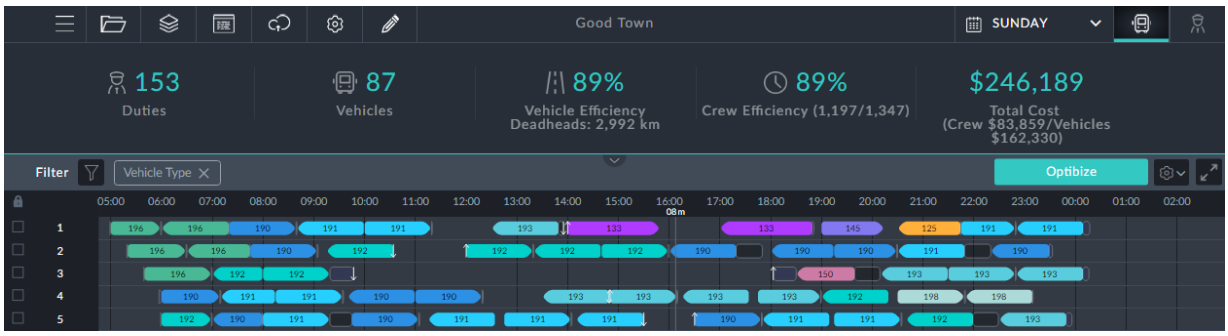


Points to note:

The Penalty field is mandatory.

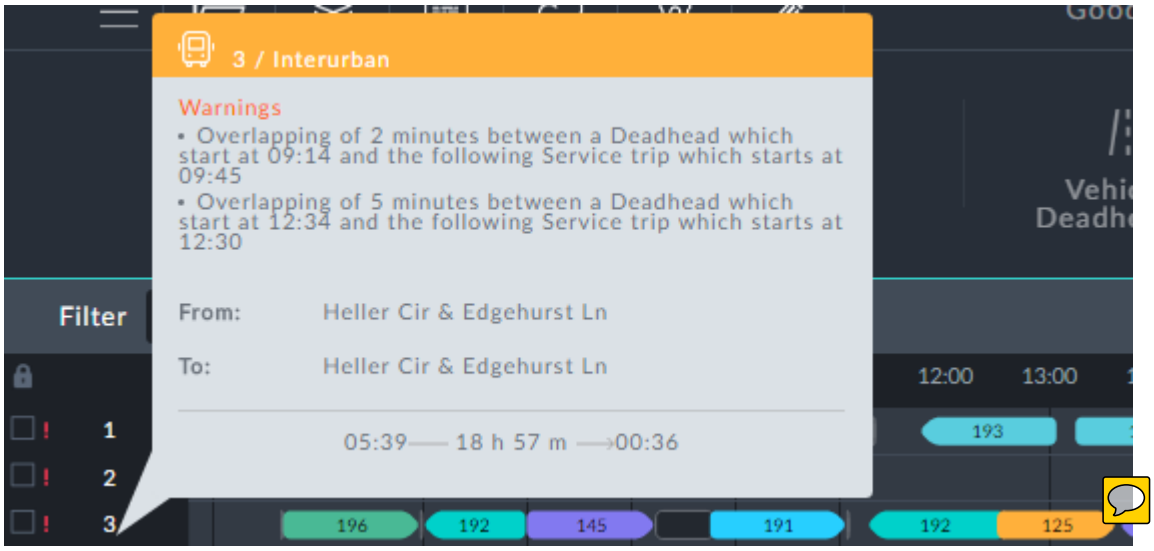
Example:

Here is a segment of a Vehicle Gantt for the example:



We will allow an overlap on 10 minutes with a penalty of 20 for interurban trips. Here is the same segment after optimization:

Notice red exclamation marks to the left most of the blocks. They indicate overlaps. If for example we click block 3, the information box tells us what has happened:



The first deadhead is a return to depot and driver stand-down. We may be able to move it by 2 min. The second deadhead cannot be altered.

All in all, checking each block is a pains-taking exercise - however the savings indicated by the KPIs might make it worthwhile.

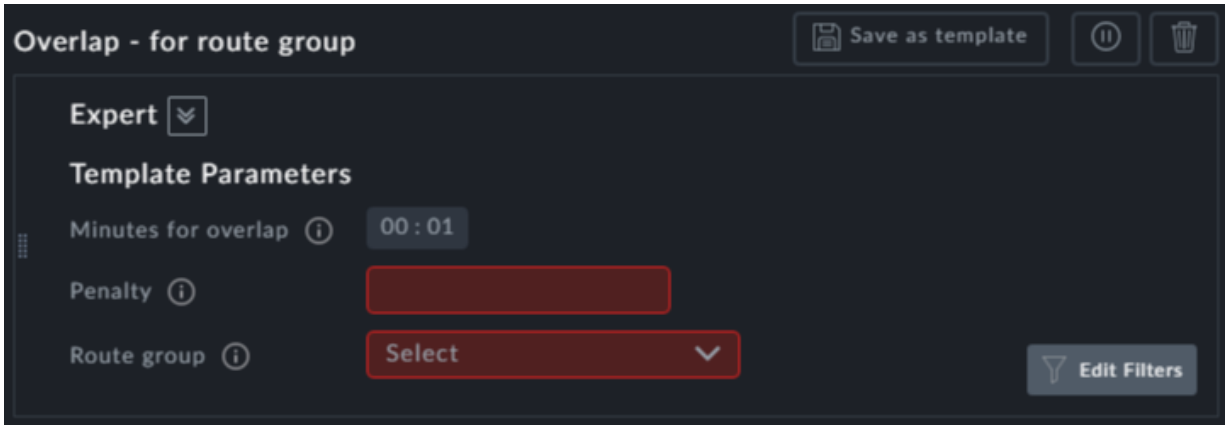
Overlap - for route group

Purpose:

Sets a maximum overlap time and an associated penalty for allowing overlap for a nominated route group. The penalty increases with the overlap time, from 1 min. to the maximum.

Prerequisites: You should have already defined your route groups. See Miscellaneous Assignments, **Route Groups**.

Opening Dialog:



Points to note:

Both the Penalty and the Route Group fields are mandatory.