

Homogenic Vehicle Schedule

Work-flow to Use Homogenic Vehicle Schedule

- » Use **Add Preference** to obtain a baseline dialog that sets a Homogenic Vehicle Schedule for a single criterion only
- » Repeat **Add Preference** for additional instances of the baseline dialog
- » Use **Load Template** modify the preference for a wide variety of conditions
- » Repeat **Load Template** for additional instances of any template

Preference Overview

There may be economic advantages in keeping each vehicle on one route, or geographically close routes. The Homogenic basic preference provides these basic criteria. The Homogenic templates add advanced additional filtering to the basic criteria.

Add Preference Dialog

Purpose:

The basic dialog provides simplest form of homogeneity by any one of the criteria, Sign, Route, Region and Group.

Prerequisites: To apply Region they must be defined. See .

Opening Dialog:

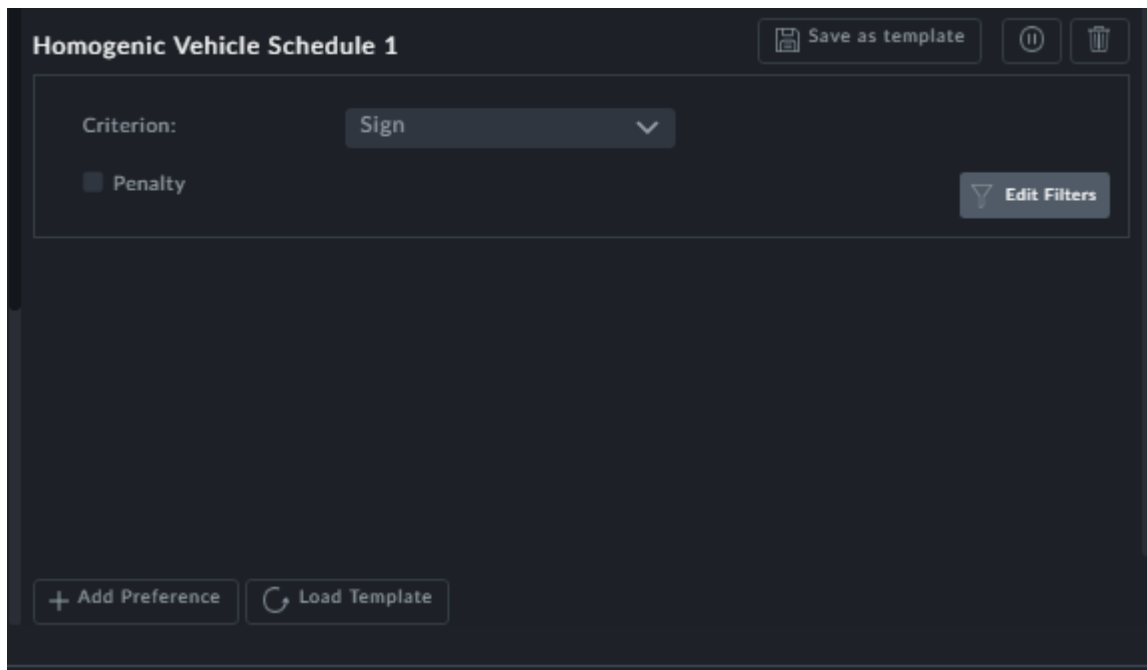
The screenshot shows a software dialog box titled "Homogenic Vehicle Schedule 1". At the top right, there are three buttons: "Save as template", a pause button, and a delete button. The main area of the dialog has a "Criterion:" label followed by a dropdown menu currently set to "Sign". Below this, there is a checkbox labeled "Penalty" which is currently unchecked. To the right of the checkbox is an "Edit Filters" button with a funnel icon. At the bottom left, there are two buttons: "+ Add Preference" and "Load Template".

Figure 1-1: Homogenic Vehicle Schedule - Basic dialog

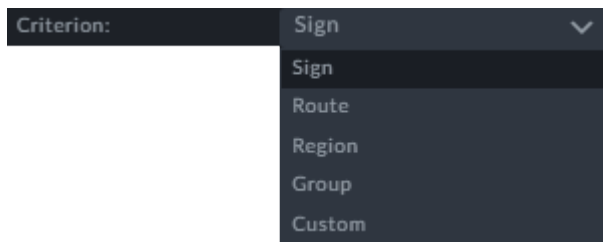


Figure 1-2: Criterion selection

Points to note:

- » This preference may be strict or flexible by assigning a penalty
- » Using Edit Filters you can restrict the Homogenic Vehicle Schedule to a time interval
- » Using Edit Filters you can restrict it to one or more vehicle types
- » Use Add Preference to create additional instances with different Homogenic Vehicle Schedules.



Example 1.

Scenario:

Do this and that.

Save and optimize.

Outcome:

In the KPIs, as to be expected, the number of vehicles and duties has...

Example 2.

Scenario:

Same as Example 1 but set a penalty of 20.

Outcome:

<some_text>

Templates Available from Optibus

Table 1-1: Templates Summary

Template Name	Purpose	Reference
Override trip minimum trip duration		Override trip minimum trip duration
Duration dependent recovery		Duration dependent recovery

Template Name	Purpose	Reference
Duration dependant recovery - By route group		Duration dependant recovery - By route group
Prefer inbound\out-bound scheduling - By route sign		Prefer inbound\out-bound scheduling - By route sign
Route group scheduling		Route group scheduling
Prefer interline between routes		Prefer interline between routes
Single route scheduling		Single route scheduling
Prefer geographic round trip		Prefer geographic round trip
Adjust deadheads to regulation		Adjust deadheads to regulation
Route group scheduling		Route group scheduling
Prefer interline between routes		Prefer interline between routes
Single route scheduling		Single route scheduling

Override trip minimum trip duration

Purpose:

<some_text>

Prerequisites: None.

Opening Dialog:

<picture>

Points to note:

- » This template restricts the basic case to <some_text>
- » The <some_text> field is mandatory. The remaining items are optional.
- » This preference may be strict or may be made flexible by assigning a penalty

Duration dependent recovery

Purpose:

<some_text>

Prerequisites: None.

Opening Dialog:

<picture>

Points to note:

- » This template restricts the basic case to <some_text>
- » The <some_text> field is mandatory. The remaining items are optional.
- » This preference may be strict or may be made flexible by assigning a penalty

Duration defendant recovery - By route group

Purpose:

<some_text>

Prerequisites: None.

Opening Dialog:

<picture>

Points to note:

- » This template restricts the basic case to <some_text>
- » The <some_text> field is mandatory. The remaining items are optional.
- » This preference may be strict or may be made flexible by assigning a penalty

Prefer inbound\outbound scheduling - By route sign

Purpose:

<some_text>

Prerequisites: None.

Opening Dialog:

<picture>

Points to note:

- » This template restricts the basic case to <some_text>
- » The <some_text> field is mandatory. The remaining items are optional.
- » This preference may be strict or may be made flexible by assigning a penalty

Route group scheduling

Purpose:

<some_text>

Prerequisites: None.

Opening Dialog:

<picture>

Points to note:

- » This template restricts the basic case to <some_text>
- » The <some_text> field is mandatory. The remaining items are optional.
- » This preference may be strict or may be made flexible by assigning a penalty

Prefer interline between routes

Purpose:

<some_text>

Prerequisites: None.

Opening Dialog:

<picture>

Points to note:

- » This template restricts the basic case to <some_text>
- » The <some_text> field is mandatory. The remaining items are optional.
- » This preference may be strict or may be made flexible by assigning a penalty

Single route scheduling

Purpose:

<some_text>

Prerequisites: None.

Opening Dialog:

<picture>

Points to note:

- » This template restricts the basic case to <some_text>
- » The <some_text> field is mandatory. The remaining items are optional.
- » This preference may be strict or may be made flexible by assigning a penalty

Prefer geographic round trip

Purpose:

<some_text>

Prerequisites: None.

Opening Dialog:

<picture>

Points to note:

- » This template restricts the basic case to <some_text>
- » The <some_text> field is mandatory. The remaining items are optional.
- » This preference may be strict or may be made flexible by assigning a penalty

Adjust deadheads to regulation

Purpose:

<some_text>

Prerequisites: None.

Opening Dialog:

<picture>

Points to note:

- » This template restricts the basic case to <some_text>
- » The <some_text> field is mandatory. The remaining items are optional.
- » This preference may be strict or may be made flexible by assigning a penalty

Route group scheduling

Purpose:

<some_text>

Prerequisites: None.

Opening Dialog:

<picture>

Points to note:

- » This template restricts the basic case to <some_text>
- » The <some_text> field is mandatory. The remaining items are optional.
- » This preference may be strict or may be made flexible by assigning a penalty

Prefer interline between routes

Purpose:

<some_text>

Prerequisites: None.

Opening Dialog:

<picture>

Points to note:

- » This template restricts the basic case to <some_text>
- » The <some_text> field is mandatory. The remaining items are optional.
- » This preference may be strict or may be made flexible by assigning a penalty

Single route scheduling

Purpose:

<some_text>

Prerequisites: None.

Opening Dialog:

<picture>

Points to note:

- » This template restricts the basic case to <some_text>
- » The <some_text> field is mandatory. The remaining items are optional.
- » This preference may be strict or may be made flexible by assigning a penalty