

Work Limitation

Work-flow to Use Work Limitation

- » Use **Add Preference** to obtain a baseline dialog that sets Work Limitations
- » Repeat **Add Preference** for additional instances of the baseline dialog

Preference Overview

Driver work limitation are frequently governed by regulatory limits and by union agreements.

This preference collects together all of the main driver work limitations - working time and breaks.

Add Preference Dialog

Prerequisites: None.

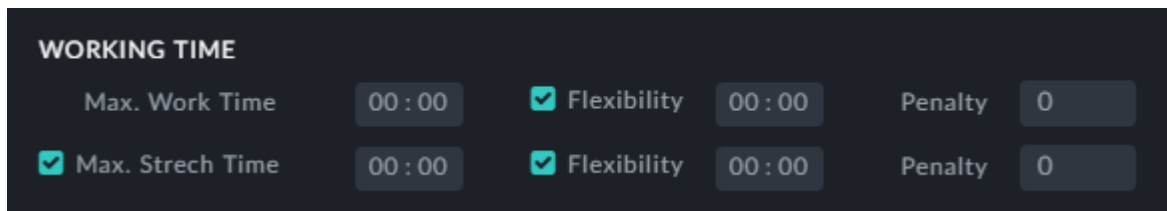
Opening Dialog:

Figure 1-1: Work Limitations dialog

Many of the fields in this dialog open sub-dialogs. We will look at each of the four groups in **Figure 1-1** in detail.

WORKING TIME


This group opens up as follows if we check the **Max. Stretch Time** and **Flexibility** boxes:



WORKING TIME				
Max. Work Time	00 : 00	<input checked="" type="checkbox"/> Flexibility	00 : 00	Penalty 0
<input checked="" type="checkbox"/> Max. Stretch Time	00 : 00	<input checked="" type="checkbox"/> Flexibility	00 : 00	Penalty 0

Max. Work Time is the maximum duty shift time net of splits break time. For example you can set this to 12 hours as a constraint. It might be more practical to allow it to increase to 15 hours with a penalty for overrun. To do this, set the **Flexibility** time to 3 hours and the **Penalty**, say to 20. The actual penalty incurred will start at zero for no overrun to a maximum of 20 for a 3 hour overrun.

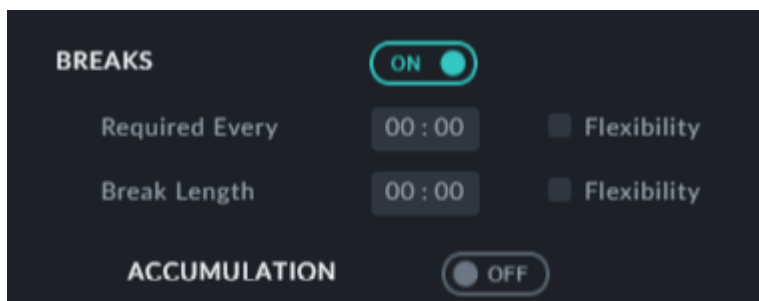
Max. Stretch Time is the maximum duty shift time including split break times. The flexibility and penalty considerations work in the same way as for **Max. Work Time**.

**Caution**

It is your responsibility to ensure the consistency of the times that you enter here. For example, **Max. Stretch Time** cannot be less than **Max. Work Time**.

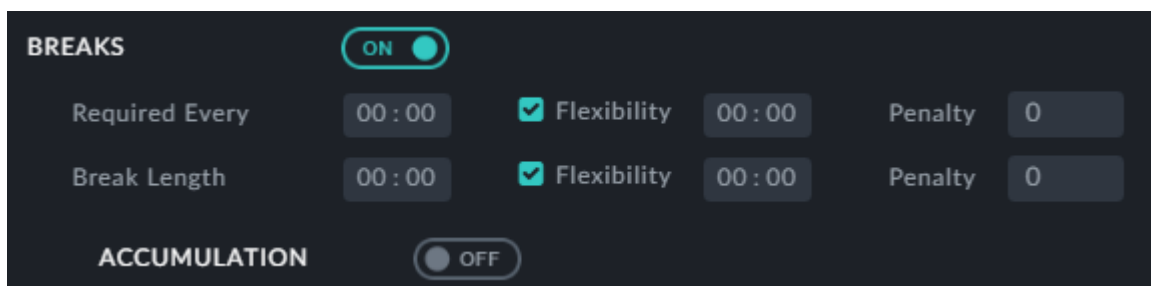
BREAKS

Switching on **BREAKS** opens the following dialog:



BREAKS	
Required Every	00 : 00 <input type="checkbox"/> Flexibility
Break Length	00 : 00 <input type="checkbox"/> Flexibility
ACCUMULATION <input type="radio"/> OFF	

Checking **Flexibility** opens it further:



BREAKS	
Required Every	<input checked="" type="checkbox"/> Flexibility 00 : 00 Penalty 0
Break Length	<input checked="" type="checkbox"/> Flexibility 00 : 00 Penalty 0
ACCUMULATION <input type="radio"/> OFF	

Required Every: Typically, breaks are required after a maximum actual driving time. For example, a break of 30 min. might be required after 4 hours of continuous driving. Again it may not be realistic to set these two values as constraints. In our example, it may be

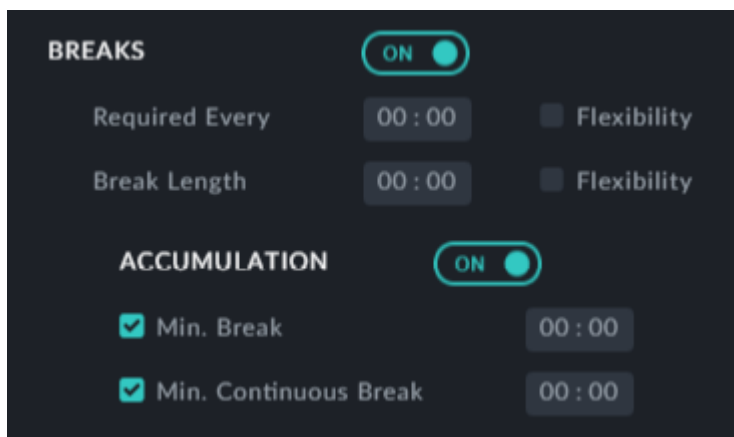
more practical to allow an overrun of 2 hours by setting a Flexibility level of 2 hours with a penalty of say 20. The penalty is proportional, starting at zero for no overrun to 20 for 2 hours.

Break Length flexibility works in the opposite direction. For a break of 30 min. we might set the Flexibility value to 15 min. and the penalty will increase as we decrease the break time.

BREAKS⇒ACCUMULATION

During the course of a full shift, there may be many small breaks. Accumulation enables you to aggregate these small breaks to meet the overall breaks requirements.

Switching it on offers a further sub-dialog:



The screenshot shows a settings dialog with two main sections: 'BREAKS' and 'ACCUMULATION'. The 'BREAKS' section has a toggle switch set to 'ON'. Below it are two rows of settings: 'Required Every' and 'Break Length', each with a time input field set to '00 : 00' and a 'Flexibility' checkbox. The 'ACCUMULATION' section also has a toggle switch set to 'ON'. Below it are two checked checkboxes: 'Min. Break' and 'Min. Continuous Break', each with a time input field set to '00 : 00'.

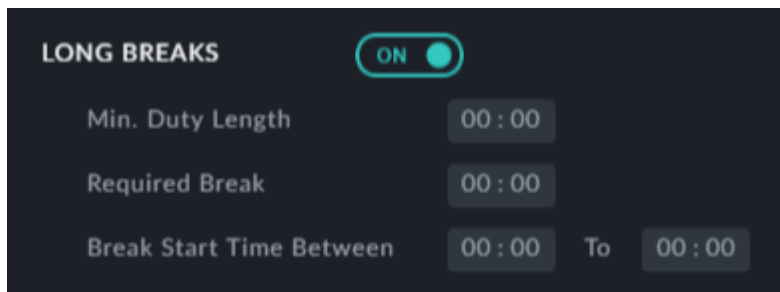
Min. Break is the minimum break time to be included in an accumulation. For example, we may wish to exclude minor breaks of under say, five minutes.

Min. Continuous Break: Here we require at least one break of this much time. If we don't have at least one such break, then nothing is accumulated.

You may check any combination of the **Min. Break** and **Min. Continuous Break** fields.

LONG BREAKS

Switching it on offers the next sub-dialog:



The screenshot shows a settings dialog for 'LONG BREAKS' with a toggle switch set to 'ON'. Below it are three rows of settings: 'Min. Duty Length' with a time input field set to '00 : 00', 'Required Break' with a time input field set to '00 : 00', and 'Break Start Time Between' with two time input fields set to '00 : 00' and 'To 00 : 00'.

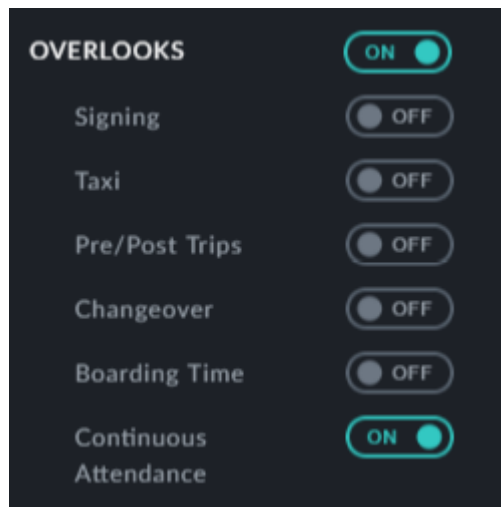
Min. Duty Length: LONG BREAKS are defined for duties over this minimum length.

Required Break is the break time.

Break Start Time Between: This item sets a period within the duty for which a long break may apply. It prevents long breaks from being scheduled too close to the beginning of a duty or too close to the end of a duty. For example in a 15 hour duty, we might require a long break of 2 hours but only after 4 hours in to the shift and commencing no later than 9 hours in to the shift. So these fields would be set to 4:00 and 9:00 respectively.

OVERLOOKS

This is a set of six exceptions that may be switched on or off. Switching them on includes them in break time; switching them off excludes them.



Switch On	Include this in breaks:
Signing	Sign-on/sign-off time - this is separate from Pre/Post trip time
Taxi	Taxi time
Pre/Post Trips	Pre/Post trip times. See Pre Post Trip .
Changeover	Vehicle changeover time
Boarding Time	Boarding time. See Boarding Time Relaxation .
Continuous Attendance	Yes or no, not necessarily a time. See Continuous Attendance .

Points to note:

- » You may create additional instances of this preference for different maximum work times. There are however, no Edit Filters.
- » There are currently no additional Optibus templates available. Work Limitation templates have to be tailored to local regulations and Union agreements.