

## 8 Operation of EFAS – Workshop

By inserting a workshop card and entering the respective PIN, the digital tachograph EFAS enters the mode CALIBRATION. This section describes how to enter the PIN, and also some aspects specific to the CALIBRATION mode. Please refer to the workshop manual of the digital tachograph EFAS for further information.

### 8.1 Entering the PIN

After the insertion of a workshop card, EFAS requests the entry of the respective PIN. The PIN consists of 4 to 8 characters. The characters may be digits, upper-case letters, lower-case letters or special characters; EFAS therefore divides all the possible characters in 4 groups.

The selection of each of the 4 to 8 characters of a PIN consists of the following steps:

#### 1. Select a character group

The first available group consists of the digits [1-0]. With key **2** you switch to the following character groups „ABC“, „abc“, „@\$#“, and with key **1** you return to the previous character groups.

#### 2. Select a character

With the control keys you may select the next or previous character from a repeating series of characters; the currently selected character is always shown in plain text in the first line.

#### 3. Assign the character by pressing **OK**

The assigned character is represented by a “\*” and the input control moves to the next PIN character position.

The key **⬅** allows you to step back to previous character positions in the PIN; the respective character is displayed briefly. The character may then be changed as described above. If the key **⬅** is pressed while positioned on the first PIN character, a question is displayed as to whether the card should be ejected.

Having assigned the last character of the PIN, confirm the whole PIN with a second **OK**. The card data will be read and the PIN is checked.

If PIN validation fails, the number of remaining attempts at entering the PIN is displayed. Subsequently, the PIN entry procedure starts again.

### 8.2 Performing a Test Run

It is also possible to perform test runs of the vehicle with your workshop card. Make sure that the workshop card is in the left-hand card slot. Before and after a test run, the same entries are required as for a driver card (see section 5).

### 8.3 Output of Warnings in CALIBRATION Mode

In CALIBRATION mode, storage of some EFAS warnings is suppressed. However, these warnings are displayed briefly on the EFAS display:



For the list of displayable faults (“SrvIDs”) and for further information on causes and solutions, refer to the EFAS Service Manual.

## 9 Printing Data

The built-in printer allows you to print data stored within EFAS and on tachograph cards:

Select **OK** → **Printout** and, on the following menu level select among:

- Daily report from your driver/workshop card (stored on the inserted card)
- Daily report from the vehicle unit (stored within the digital tachograph)
- Events and faults from the card (stored on the inserted card)
- Events and faults from the vehicle unit (stored within the digital tachograph)

- Over speeding
- Technical data
- Speed profile
- Engine speed profile
- D1/D2 status changes

Confirm your choice with **OK**, then use the control keys to select the desired date, and confirm with **OK**. The stored data is printed. Pull the paper off (transversely/upwards) in order to get a clean tear.

If two driver cards or a driver card and a workshop card are inserted, you have to specify from which card the data has to be printed.

Use key **⏏** to cancel printing at any time.

Data cannot be printed when driving. Any printout is cancelled when the vehicle starts moving. Leave the ignition on when printing. The printout is halted when the ignition is turned off. If the ignition is switched off for more than 30 seconds, the print job is cancelled.

Printing is interrupted when the printer runs out of paper, the following message appears:

The end of printing is marked. When you insert a new reel of paper, printing continues automatically and is marked as a continuation of the interrupted printout.

For inserting a new reel of paper, please see the accompanying „EFAS Quickstart“.

## 10 General Settings

### 10.1 Printouts

According to EU regulations, the times specified on the printout and in the print preview are output in UTC time. For easier inspection, the times can also be output in local time by using the setting “Local Time”.

1. Select **OK** → **Printout** → **Local Time**.

The current setting is displayed.

2. Use control keys **◀** and **▶** to select the required setting. Press **OK**.

### 10.2 Display

#### 10.2.1 Language

EFAS supports a multitude of languages. The language which is used for the digital tachograph display depends on the tachograph card which is inserted in the left-hand card slot. The language is automatically set upon card insertion or withdrawal. However, you can select the language manually.

1. Select **OK** → **Settings** → **Display** → **Language**.

The current language is displayed.

2. Use control keys **◀** and **▶** to select the required language. Press **OK**.

The dialog for manually selecting the display language is also invoked by pressing **⏏** for at least 5 seconds.

#### 10.2.2 Display Brightness

If your EFAS is not connected to the central brightness control for the dashboard lighting of your vehicle, the display brightness for day and night can be set via the menu. The day mode is stored when the vehicle lights are off. The night mode is stored when the vehicle lights are on.