

**Product** Smartach T-Store  
**Version** Standard, Expert,  
Control

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# User Manual SmarTach T-Store



## SUMMARY

1. T-STORE PRESENTATION .....	3
1.1 PRINCIPLE .....	3
1.2 FUNCTIONS .....	3
1.3 DATA DOWNLOAD .....	3
1.4 DATA DOWNLOAD .....	3
1.5 MULTI BASE .....	4
2. T-STORE INSTALLATION .....	5
3. T-STORE ACTIVATION AND DEACTIVATION .....	6
3.1 AUTOMATIC ACTIVATION .....	6
3.2 MANUAL ACTIVATION .....	7
4 USE OF T-STORE SOFTWARE .....	8
4.1 DATA DOWNLOADING .....	8
1°) DIRECT DATA DOWNLOAD FROM THE TACHOGRAPH .....	9
2°) DRIVER CARD READING BY USING A SMART CARD READER .....	9
3°) DATA TRANSFER WITH D-BOX ON LINE SERVER .....	10
THAT FUNCTION CAN ONLY BE USED BY CUSTOMERS WHO SUBSCRIBED TO BOX ONLINE SERVICES ( <a href="http://WWW.DBOX-ONLINE.COM">WWW.DBOX-ONLINE.COM</a> ) .....	10
4°) CONFIGURATION AND D-BOX DATA TRANSFER .....	10
5°) FILE IMPORT .....	12
4.2 CONFIGURATION .....	12
4.3 DRIVER DATA MANAGEMENT .....	14
4.4 VEHICLES MANAGEMENT .....	17
5. PRINTOUT BUTTON .....	19
PRINCIPLES .....	19
6. EXPERT FUNCTIONNALITY .....	21
7. CONTROL FUNCTIONALITY .....	30



## 1. T-STORE presentation

### 1.1 Principle

Software T-STORE was conceived to allow the downloading of the data recorded by the digital Tachograph. The Annex 1B which defines the use of the digital Tachograph within the companies requires the downloading and the data storage. It also stipulates that these data must be stored according to one period determined by the national Laws.

Software T-STORE, dedicated to the transport companies using digital Tachographs, offers all these functionalities.

### 1.2 Functions

T-STORE functions are :

- Transfer to PC and storage of Tachographs data,
- Transfer and storage of driver card data,
- Reports on files to be downloaded

### 1.3 Data download

Tachograph data can be transferred to the computer in several ways :

- By direct connexion between Tachograph serial link,
- By using D-Box,

### 1.4 Data download

List of data that can be downloaded:

- Activities between 2 dates selected by the user,
- Events and faults,
- Detailed speed,
- Technical data
- Additional data coming from a DBOX (only available on some specific Tachographs version)



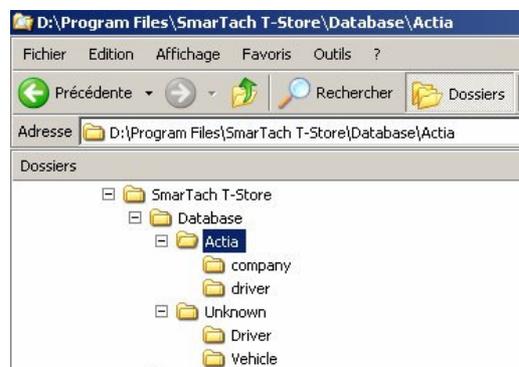
## 1.5 Multi base

Several data bases can be managed for companies that want to manage subsidiaries, agencies....

Principle:

The creation of a new company in the software generates the creation of a directory of the name of the company in which will be stored all the files of the drivers and the vehicle attached to this company.

As long as it there no company created, the files are safeguarded under an UNKNOWN directory created per default.



When there are several companies, the operator must assign each new file to the company to which it belongs.

Each file is then affected with the repertory corresponding:

- Driver for the files coming from the driver cards
- Vehicle for the files coming from Tachograph data



## 2. T-STORE installation

In order to profit from an automatic activation of the protection of the software, a connection Internet must be launched to the starting of the installation (see chapter 3, Activation)



- If the PC is already in function, leave Windows, then start it again
- If the antiviruses are active on your PC, decontaminate them

T-STORE is compliant with Windows 98/Me/2000/XP/VISTA.

Proceed as follow to install the software :

1. Insert the CD-ROM in the driver.
2. Then :
  - Click on Start
  - Then, click on Run
  - Enter D:\Install

**D** is the CD-ROM driver of the computer.  
Then click on **OK**.



Select the language of the installation and start with OK.



Click on next to go to the next step.



3. The installer will automatically propose to create a default directory where the T-Store files will be loaded: D:\Program Files\ SmarTach T-Store. You can name it differently by entering another name of directory, then validate.
4. At the end of the installation the software will start automatically, if you select the option. An icon can be created on the desk.

### 3. T-Store activation and deactivation

The software is protected by a user licence. To receive the definitive code of final use of the software, it is possible to activate automatically or manually the software.

#### 3.1 Automatic activation

An Internet connection must be launched on the computer at the time of the installation, so that activation can be done correctly.

Enter the serial number of the software (information displayed n the back side of the CDROM box) so that activation can be done correctly. Click on automatic activation.

The software sends directly the following information to the Actia server: serial number of the licence and identifying code of the computer. In return, the Actia server sends and records automatically the activation code of the software.

Caution: A serial number gives the right for only one installation of the software.

At the end of the installation, please complete the registration form, in order to get access to complete after sales service and support on the software. The registration is made on line and is directly communicated to our services.



## 3.2 Manual activation

The manual activation shall be used in the case there is no Internet connexion on the computer where the software has been installed.

Enter the serial number of the software (information displayed on the back side of the CDROM box) so that activation can be done correctly. Click on automatic activation.

While clicking on the MANUAL button, the registration form opens. Information concerning the software and the computer is automatically completed by the program.. All information concerning the company must be complemented, otherwise activation codes cannot be sent.

The form must be sent to the following e-mail address : [tstore-admin@actia.fr](mailto:tstore-admin@actia.fr)

The activation code is sent in return to the customer, who must enter it manually on the activation window.



## 4 Use of T-Store software

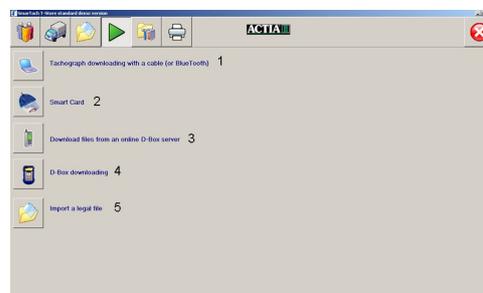
After activation of the software, the starting window of the product opens on the following screen.  
Or click on icon T-STORE to see the following screen



Double-click on the flag of your choice to select the language and to launch the software.

### 4.1 Data downloading

The software opens on the window allowing the data downloading:



No.	Function
1	Tachograph data direct downloading
2	Reading of the driver card using a card reader or D-Box in card reader mode (F2)
3	Data downloading from D-Box online server (only for the customers subscribed with the service)
4	Data transfer from the D-Box D-Box configuration
5	Importation of a legal file from any place of the computer



## 1°) Direct data download from the Tachograph

Select the downloading options :

- Select the communication port where the cable is installed
- Select the downloading period. For transport companies, we advise to make a download since previous.
- Select of files to be downloaded

At the end of the selection, start the download by clicking on Finish.

## 2°) Driver card reading by using a smart card reader

Connect the card reader and insert the card in the reader. The card reading starts automatically.

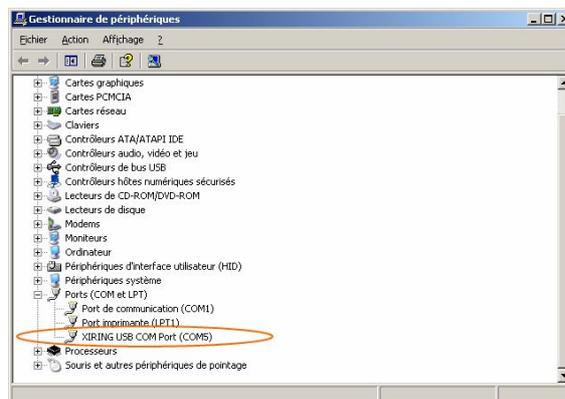
You can use the D-Box card reader mode (F2 button), by selecting the button « Read card with D-Box.

First select the communication port where the D-Box has been installed.

Check the communication port number where the USB cable is installation :

- Open the windows configuration panel
- Select system
- Hardware
- Device driver
- Ports (com and LPT)

The name of the D-Box USB cable is Xiring USB COM Port : check the number of the port.



If you use a RS232 cable the communication port used is COM 1 or COM 2 depending on the number of serial ports available on the computer.



3°) Data transfer with D-Box on line server.

That function can only be used by customers who subscribed to Box online services ([www.dbox-online.com](http://www.dbox-online.com)).

Before using that function, complete the configuration parameters of the service and the parameters of the Internet supplier.

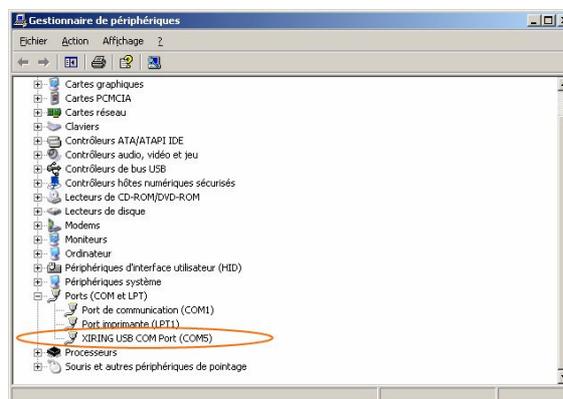
4°) Configuration and D-Box data transfer

Before starting D-Box configuration or data transfer, select the communication port number where the D-Box cable (USB or RS232) is connected.

Check the communication port number where the USB cable is installation :

- Open the windows configuration panel
- Select system
- Hardware
- Device driver
- Ports (com and LPT)

The name of the D-Box USB cable is Xiring USB COM Port : check the number of the port.

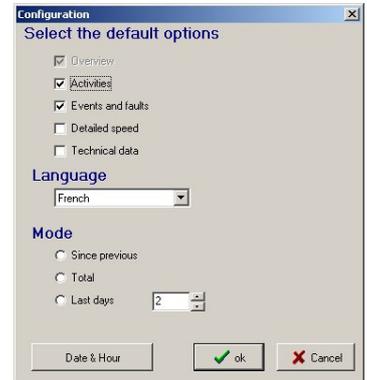


If you use a RS232 cable the communication port used is COM 1 or COM 2 depending on the number of serial ports available on the computer.



## D-Box configuration

- Select the files to be downloaded
- Select the D-Box language
- Select the download period  
(recommendation: since previous)
- Select date & time to update the DBOX  
real time clock



Click on OK to start the D-Box configuration (D-Box switched on, on the default screen).

Transfer of the D-Box data.

Click on Downloading to transfer the data loaded in the D-Box.

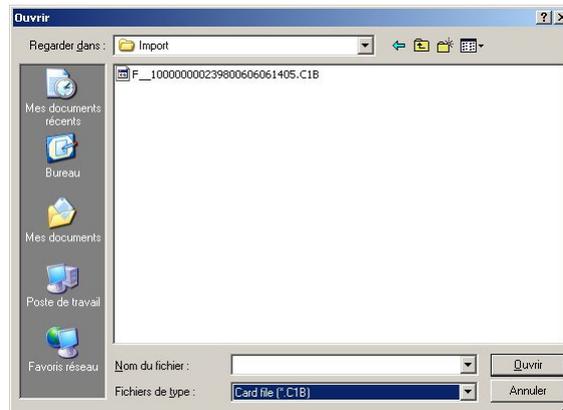
To keep the data in the D-Box after date transfer, select the option « Do not clear the data after completion ».



## 5°) File import

The directory where the files to be imported are located, is determined in the Parameters menu « Directory for archives import »:

Click on « Import » to open the following window:



Select the format (extension) of the file to be imported.

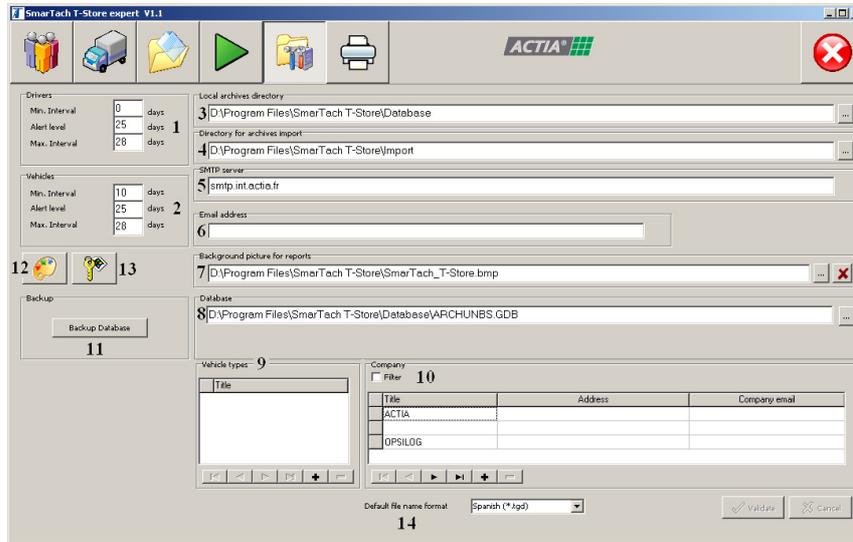
To select several files, click on control button and select all files with the mouse. At the end of the operation, click on open.

## 4.2 Configuration

Click on the button  to modify the options of configuration of the software



The following window opens :



No.	Fonction
1	Configuration of the deadline of activation of colours alarm for the driver cards
2	Configuration of the deadline of activation of colours alarm for the vehicles
3	Configuration of the back up directory in order to safeguard the archives data base
4	Configuration of the directory for archives to import
5	Configuration of the SMTP server to the printouts per e-mail
6	Configuration of the e-mail address of the sender
7	Possibility to change the logo displayed on the printout (per default SmarTach T-Store)
8	Data base change
9	Creation of a new company. To add a new company, click on + and to cancel one company, click on -. The filter function, allows to display only drivers and vehicle belonging to the selected company
10	Creation of a new vehicle type. To add a new vehicle type, click on + and to cancel a vehicle type, click on -.
11	To make a backup of the content of the data base (zip of the whole data base)
12	Colour choice for activities displaying
13	Configuration of password for protect software access
14	Configuration of the format (extension) of the file

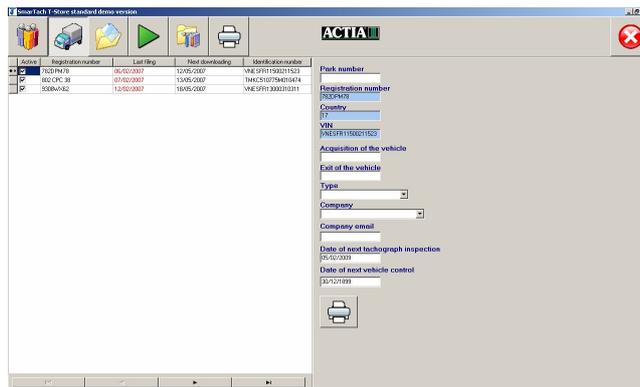


## 4.3 Driver data management

The driver card data can be managed from 2 different places :

1° Driver button 

The following window is opened :



The left part of window contains the list of existing drivers :

- Drivers name and surname,
- Date of the last download of each card. Cards are managed by colours depending on their situation compared with date of next downloading:

Colour	Function
black	Deadline before next downloading date is inferior to the minimum interval
green	Deadline before next downloading date is OK (Exceeded minimum interval)
yellow	Deadline before next downloading date is inferior to the Alert level
red	Deadline before next downloading date is exceeded (Max. interval)

- Driver card number
- Date of next downloading of the card

It is possible to make sorts on each column, by clicking on the column heading.



Printing of the driver activities report:

It is possible to print the driver activities report, by clicking on the right button of the mouse at the heading of the driver line :

Select the range of date to be printed and valid with OK



Click on  to cancel a driver from the data base

The right part of the window contains general information related to the driver :

- Information on blue bottom are issued from driver card and can not be modified
- A driver can be assigned to a company (see Parameters menu to create a company)

2°) Archive button 

It is possible to see all the files downloaded in the data base by entering in the archive menu.

You can select to see:

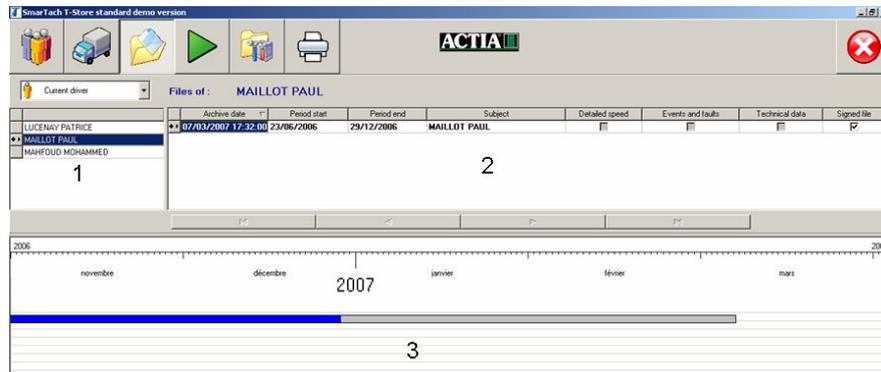
- All archives of the data base
- All archives of all drivers
- All archives of all vehicles
- All archives of a selected driver
- All archives of a selected vehicle

It is possible to make sorts on each column, by clicking on the column heading.

It is possible to view the path to access downloaded file on the computer, by clicking on the right button of the mouse at the heading of the driver line.



Selection of a current driver :



No.	Function
1	List of driver available in the data base
2	List of files available for each driver (with the range of date of activities for each file)
3	The chart of the data available: this function makes it possible to check the dates that have not been downloaded



## 4.4 Vehicles management

The vehicle data can be managed from 2 different places

1°) Vehicle button 

The following window is opened :



The left part of window contains the list of existing vehicles :

- VRN (Vehicle Registration Number),
- Date of the last download of each vehicle. Vehicles are managed by colours depending on their situation compared with date of next downloading:

Couleur	Fonction
black	Deadline before next downloading date is inferior to the minimum interval
green	Deadline before next downloading date is OK (Exceeded minimum interval)
yellow	Deadline before next downloading date is inferior to the Alert level
red	Deadline before next downloading date is exceeded (Max. interval)

- Date of next downloading of the vehicle
- VIN : Vehicle Identification number

It is possible to make sorts on each column, by clicking on the column heading.

Click on  to cancel a vehicle from the data base.



The right part of the window contains general information related to the vehicle :

- Information on blue bottom are issued from Tachograph technical information and can not be modified
- Free information can be completed :
  - o Vehicle fleet number
  - o Purchase and resale date of the vehicle
  - o Vehicle model (see Parameters menu to create a model of vehicle)
  - o A vehicle can be assigned to a company (see Parameters menu to create a company)
  - o Date of next periodical inspection and date of next vehicle control

2°) Archive button 

It is possible to see all the files downloaded in the data base by entering in the archive menu.

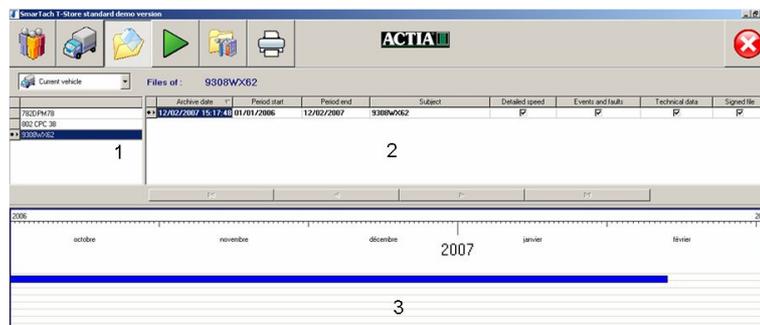
You can select to see:

- All archives of the data base
- All archives of all drivers
- All archives of all vehicles
- All archives of a selected driver
- All archives of a selected vehicle

It is possible to make sorts on each column, by clicking on the column heading.

It is possible to view the path to access downloaded file on the computer, by clicking on the right button of the mouse at the heading of the driver line.

Selection of a current vehicle :



The following information are displayed :

No.	Function
1	List of vehicles available in the data base
2	List of files available for each vehicle including the content of the file (range of date of activities, events and faults, detailed speed and technical data)
3	The chart of the data available: this function makes it possible to check the dates that have not been downloaded



## 5. Printout button

### Principles

There are 4 printouts that can be edited or sent by e-mail :

- Driver activities report : to print a detailed activities report for each driver  
Select the drivers and enter the range of dates to be printed :



- List of drivers cards to be downloaded in the X next days. Variable X must be modified by the user.
- List of vehicle to be downloaded in the X next days. Variable X must be modified by the user.
- List of driver cards to be downloaded in the X next days. Variable must be modified by the user.

Printout can be registered in a file (html, txt, rtf, frp, csv).

By company filter activation, the documents are limited to information belonging to the company selected.

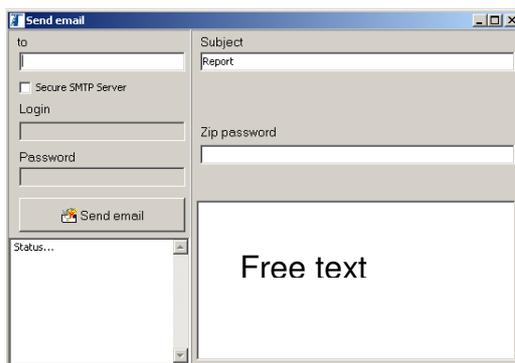
Send a printout by e-mail :

Select « send by e-mail », enter the printout options and complete the e-mail sending window:



E-mail addressee  
Option : secured server  
parameter

Send button



Object of the mail

Option : password of the  
enclosure (to be  
completed by the  
addressee to open the zip  
file)



## 6. Expert Functionality

This set of functions is only available for [Expert](#) version of SmarTach T-Store.  
These functions permit to have a graphical and textual representation of downloaded files content.

These functions are available via archive button  (archive menu)  
It is possible to see all the files downloaded in the data base by entering in the archive menu.

By double clicking on one archive, the following information are available:

### 1) For Driver archive :

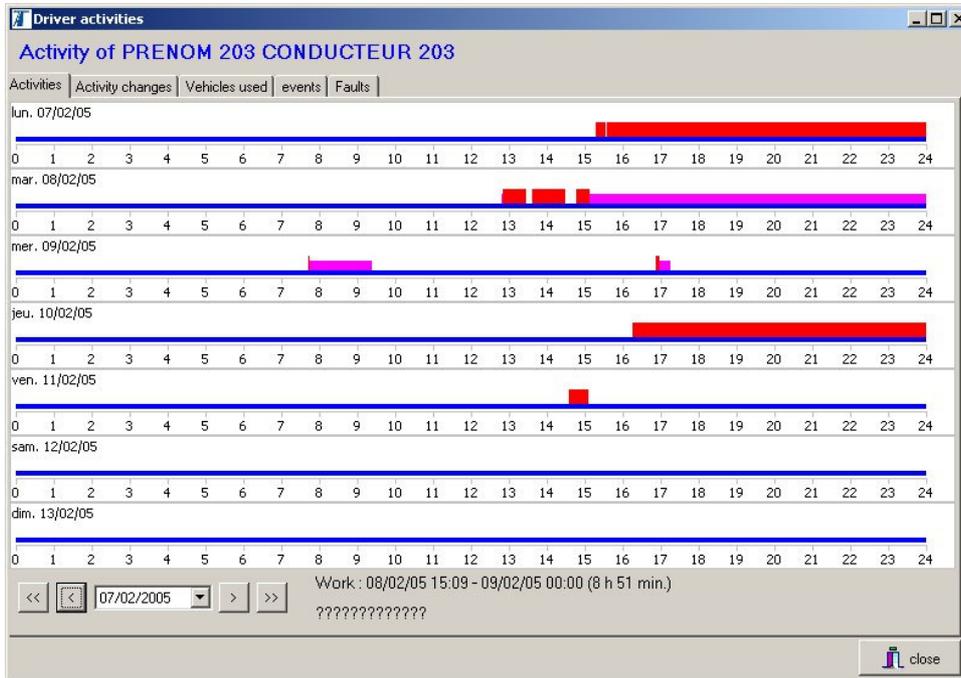
- Graphical details of activity,
- List of activity change,
- List of vehicles used,
- List of events,
- List of faults.

### 2) For vehicle archive :

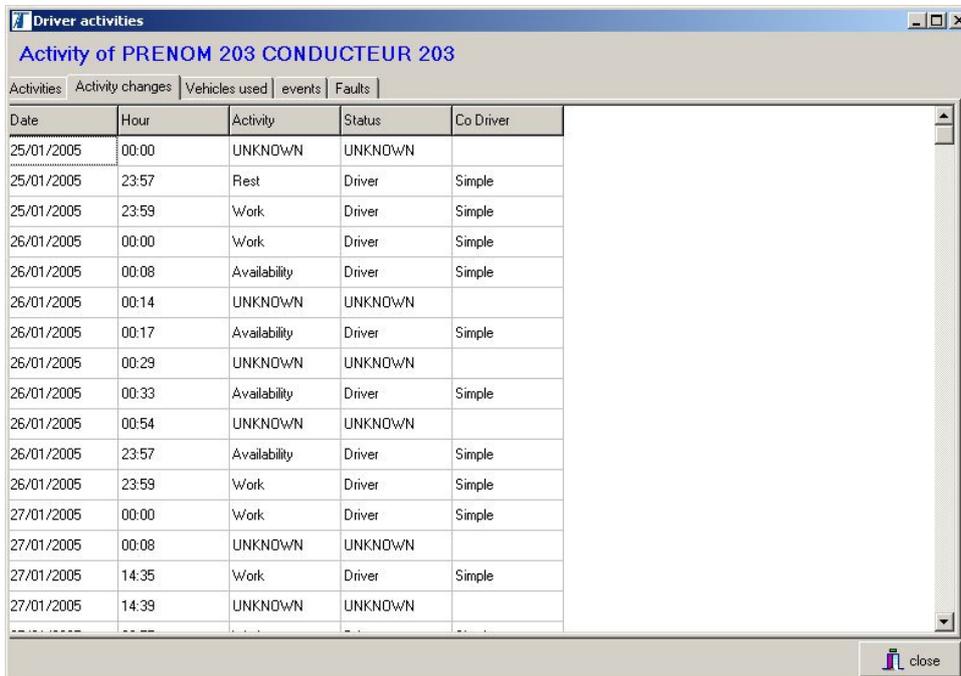
- Graphical details of activity,
- List of activity change,
- List of events,
- List of faults,
- List of overspeeding events,
- List of time adjust events,
- List places,
- List of company lock,
- List of Card insertions/withdrawal,
- List of technical data.



Driver archive : Graphical details of activity :



Driver archive : List of activity change:



Date	Hour	Activity	Status	Co Driver
25/01/2005	00:00	UNKNOWN	UNKNOWN	
25/01/2005	23:57	Rest	Driver	Simple
25/01/2005	23:59	Work	Driver	Simple
26/01/2005	00:00	Work	Driver	Simple
26/01/2005	00:08	Availability	Driver	Simple
26/01/2005	00:14	UNKNOWN	UNKNOWN	
26/01/2005	00:17	Availability	Driver	Simple
26/01/2005	00:29	UNKNOWN	UNKNOWN	
26/01/2005	00:33	Availability	Driver	Simple
26/01/2005	00:54	UNKNOWN	UNKNOWN	
26/01/2005	23:57	Availability	Driver	Simple
26/01/2005	23:59	Work	Driver	Simple
27/01/2005	00:00	Work	Driver	Simple
27/01/2005	00:08	UNKNOWN	UNKNOWN	
27/01/2005	14:35	Work	Driver	Simple
27/01/2005	14:39	UNKNOWN	UNKNOWN	



Driver archive : List of vehicles used:

Driver activities				
Activity of PRENOM 203 CONDUCTEUR 203				
Start date	End date	Old odometer	New odometer	Vehicle Registration No. (VRN)
25/01/2005 23:57:11	25/01/2005 23:59:59	0	0	??????????????
26/01/2005	26/01/2005 23:59:59	0	0	??????????????
27/01/2005	27/01/2005 00:08:48	0	0	??????????????
27/01/2005 14:35:12	27/01/2005 14:39:53	0	0	0000639 wW 31
27/01/2005 23:57:14	27/01/2005 23:59:59	0	0	??????????????
28/01/2005	28/01/2005 16:09:50	0	0	??????????????
01/02/2005 08:44:01	01/02/2005 09:38:10	0	14	??????????????
01/02/2005 09:49:23	01/02/2005 09:56:00	419	423	Proto Jojo
01/02/2005 10:22:47	07/02/2106 06:28:15	20	16777215	??????????????
02/02/2005 08:18:11	02/02/2005 08:19:00	31	31	??????????????
07/02/2005 15:18:17	07/02/2106 06:28:15	31	16777215	??????????????
07/02/2106 06:28:15	08/02/2005 07:40:28	16777215	43	??????????????
08/02/2005 12:51:11	07/02/2106 06:28:15	43	16777215	??????????????
09/02/2005 16:53:51	07/02/2106 06:28:15	130	16777215	??????????????
07/02/2106 06:28:15	10/02/2005 09:35:19	16777215	137	??????????????
10/02/2005 16:15:55	07/02/2106 06:28:15	4290	16777215	??????????????

Driver archive : List of events:

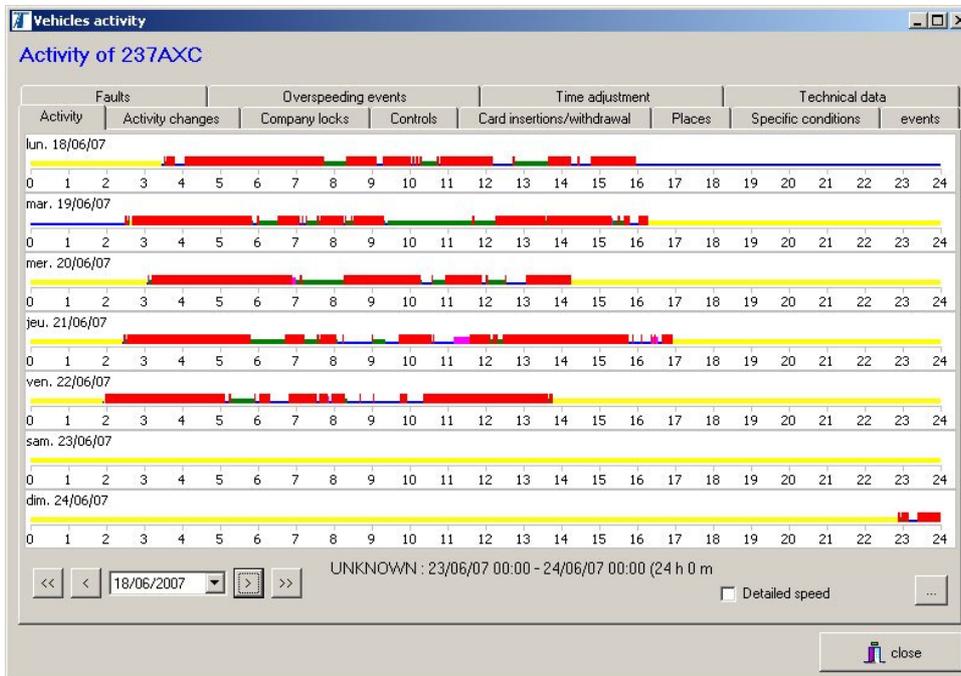
Driver activities			
Activity of PRENOM 203 CONDUCTEUR 203			
Type	Start date	End date	Vehicle Registration No. (VRN)
3 : Time overlap	25/03/2005 10:28:20	24/03/2005 14:03:09	??????????????
5 : Card insertion while driving	01/02/2005 09:33:09	01/02/2005 09:33:09	??????????????
5 : Card insertion while driving	16/06/2005 15:30:28	16/06/2005 15:30:28	L2000 wW 31
6 : Last card session not correctly closed	24/03/2005 16:25:20	24/03/2005 16:26:11	??????????????
6 : Last card session not correctly closed	24/03/2005 16:26:21	25/03/2005 09:10:49	??????????????
6 : Last card session not correctly closed	29/03/2005 13:09:23	29/03/2005 14:43:23	??????????????
6 : Last card session not correctly closed	29/03/2005 14:43:34	30/03/2005 10:10:36	??????????????
6 : Last card session not correctly closed	12/04/2005 15:44:22	12/04/2005 15:46:20	L2000 wW 31
6 : Last card session not correctly closed	18/04/2005 16:21:11	18/04/2005 16:29:21	L2000 wW 31
6 : Last card session not correctly closed	18/04/2005 16:29:21	19/04/2005 09:12:56	??????????????
6 : Last card session not correctly closed	19/04/2005 10:19:09	19/04/2005 10:25:02	??????????????
6 : Last card session not correctly closed	20/05/2005 14:45:06	19/04/2005 17:24:25	proto carole
6 : Last card session not correctly closed	19/04/2005 17:24:25	19/04/2005 17:35:03	proto carole
6 : Last card session not correctly closed	19/04/2005 17:24:25	19/04/2005 17:41:14	proto carole
6 : Last card session not correctly closed	19/04/2005 17:41:14	06/06/2005 13:15:47	MP B4.1.2
8 : Power supply interruption	18/07/2005 22:05:11	18/07/2005 22:30:45	PHASE 2 DCX



## Driver archive : List of faults:

Type	Start date	End date	Vehicle Registration No. (VRN)
53H : Sensor fault	09/02/2005 09:27:07	09/02/2005 09:44:20	??????????????
49H : VU internal fault	14/07/2005 11:26:57	14/07/2005 14:33:55	PHASE 2 DCX
49H : VU internal fault	14/07/2005 14:35:42	07/02/2106 06:28:15	PHASE 2 DCX
53H : Sensor fault	14/07/2005 15:59:22	14/07/2005 16:16:50	PHASE 2 DCX
49H : VU internal fault	15/07/2005 00:02:15	18/07/2005 22:30:45	PHASE 2 DCX
49H : VU internal fault	14/07/2005 03:04:39	14/07/2005 03:14:16	PHASE 2 DCX
49H : VU internal fault	14/07/2005 03:15:20	07/02/2106 06:28:15	PHASE 2 DCX
49H : VU internal fault	19/07/2005 00:01:59	19/07/2005 00:03:10	PHASE 2 DCX
53H : Sensor fault	19/07/2005 02:59:09	19/07/2005 03:17:14	PHASE 2 DCX
53H : Sensor fault	08/02/2005 14:39:09	07/02/2106 06:28:15	??????????????
53H : Sensor fault	08/02/2005 14:41:50	07/02/2106 06:28:15	??????????????
53H : Sensor fault	08/02/2005 14:48:25	07/02/2106 06:28:15	??????????????
53H : Sensor fault	09/02/2005 07:26:02	07/02/2106 06:28:15	??????????????
53H : Sensor fault	09/02/2005 09:27:07	07/02/2106 06:28:15	??????????????
51H : Display fault	09/02/2005 09:30:34	07/02/2106 06:28:15	??????????????
51H : Display fault	09/02/2005 09:30:40	07/02/2106 06:28:15	??????????????

## Vehicle archive : Graphical details of activity



Vehicle archive : List of activity change:

Vehicles activity							
Activity of 237AXC							
Faults		Overspeeding events		Time adjustment		Technical data	
Activity	Activity changes	Company locks	Controls	Card insertions/withdrawal	Places	Specific conditions	events
Date	Driver time	Co Driver time	Activity	Status	Co Driver		
13/02/2007	09:45		Work	Driver	Simple		
13/02/2007		09:45	UNKNDWN	Manual			
13/02/2007	09:49		UNKNDWN	Manual			
13/02/2007	09:50		UNKNDWN	Manual			
13/02/2007		09:51	UNKNDWN	Manual			
13/02/2007	09:52		UNKNDWN	Manual			
13/02/2007	09:58		UNKNDWN	Manual			
13/02/2007	10:02		UNKNDWN	Manual			
13/02/2007	10:08		UNKNDWN	Manual			
13/02/2007		10:08	UNKNDWN	Manual			
13/02/2007		10:10	UNKNDWN	Manual			
13/02/2007	10:11		UNKNDWN	Manual			
13/02/2007	10:17		UNKNDWN	Manual			
13/02/2007	10:19		UNKNDWN	Manual			
13/02/2007	12:17		UNKNDWN	Manual			

Vehicle archive : List of events:

Vehicles activity							
Activity of 237AXC							
Faults		Overspeeding events		Time adjustment		Technical data	
Activity	Activity changes	Company locks	Controls	Card insertions/withdrawal	Places	Specific conditions	events
Start time	End time	Type	Record purpose	Driver Card start date			
30/03/2007 03:35:51	30/03/2007 07:01:58	Driving without an appropriate card	One of the 5 most serious events				
30/03/2007 10:58:46	30/03/2007 14:22:24	Driving without an appropriate card	One of the 5 most serious events				
11/04/2007 01:33:14	11/04/2007 05:00:40	Driving without an appropriate card	One of the 5 most serious events				
26/06/2007 07:56:56	26/06/2007 11:18:09	Driving without an appropriate card	One of the 5 most serious events				
09/07/2007 00:26:15	09/07/2007 03:55:55	Driving without an appropriate card	One of the 5 most serious events				
19/07/2007 13:15:15	19/07/2007 15:44:10	Driving without an appropriate card	The longest event during the last				
20/07/2007 08:54:53	20/07/2007 10:37:18	Driving without an appropriate card	The longest event during the last				
23/07/2007 02:51:20	23/07/2007 04:37:27	Driving without an appropriate card	The longest event during the last				
24/07/2007 13:34:43	24/07/2007 15:55:30	Driving without an appropriate card	The longest event during the last				
25/07/2007 02:01:12	25/07/2007 05:06:08	Driving without an appropriate card	The longest event during the last				
26/07/2007 13:40:59	26/07/2007 16:03:27	Driving without an appropriate card	The longest event during the last				
27/07/2007 02:24:52	27/07/2007 04:19:29	Driving without an appropriate card	The longest event during the last				
31/07/2007 08:42:15	31/07/2007 08:59:27	Driving without an appropriate card	The longest event during the last				
01/08/2007 11:52:15	01/08/2007 11:52:40	Driving without an appropriate card	The longest event during the last				



## Vehicle archive : List of faults:

Vehicles activity

Activity of 237AXC

Activity	Activity changes	Company locks	Controls	Card insertions/withdrawal	Places	Specific conditions	events
Faults		Overspeeding events		Time adjustment		Technical data	
Start time	End time	Type	Record purpose	Driver Card start date			
26/04/2007 17:09:20	26/04/2007 17:09:28	VU internal fault	One of the 10 most recent events:				
26/04/2007 17:11:58	26/04/2007 17:11:58	VU internal fault	One of the 10 most recent events:				
29/11/2007 16:19:34		VU internal fault	event or fault in progress	F_40389187360F0D00			
30/03/2007 14:33:22	30/03/2007 14:33:22	Downloading fault	One of the 10 most recent events:				
29/11/2007 16:21:24	29/11/2007 16:21:24	Downloading fault	One of the 10 most recent events:				
17/10/2007 16:21:08	17/10/2007 16:42:49	Sensor fault	One of the 10 most recent events:				
18/10/2007 06:36:45	18/10/2007 09:05:41	Sensor fault	One of the 10 most recent events:				
29/11/2007 16:23:03	29/11/2007 16:28:42	Sensor fault	One of the 10 most recent events:				
19/06/2007 02:37:17	19/06/2007 02:37:17	No further details	One of the 10 most recent events:	F_1000000243097000			
19/06/2007 02:40:00	19/06/2007 02:40:00	No further details	One of the 10 most recent events:				
22/06/2007 01:58:17	22/06/2007 01:58:17	No further details	One of the 10 most recent events:	F_1000000243097000			
26/06/2007 02:13:11	26/06/2007 02:13:11	No further details	One of the 10 most recent events:				
26/06/2007 02:15:20	26/06/2007 02:15:20	No further details	One of the 10 most recent events:	WLD_????????????????			
26/06/2007 02:17:14	26/06/2007 02:17:14	No further details	One of the 10 most recent events:				

close

## Vehicle archive : List of overspeeding events:

Vehicles activity

Activity of 237AXC

Activity	Activity changes	Company locks	Controls	Card insertions/withdrawal	Places	Specific conditions	events
Faults		Overspeeding events		Time adjustment		Technical data	
-Overspeeding events:							
Last overspeeding control		30/03/2007 14:29:04	First overspeed since		15/06/2007 05:09:49	Number of overspeed since	
						3	
Start time	End time	Type	Record purpose	Max speed			
26/03/2007 09:05:41	26/03/2007 09:06:54	Over speeding	One of the 5 most serious ev	95			
15/06/2007 05:09:49	15/06/2007 05:10:57	Over speeding	One of the 5 most serious ev	94			
21/06/2007 14:36:38	21/06/2007 14:38:17	Over speeding	One of the 5 most serious ev	98			
18/07/2007 14:51:53	18/07/2007 14:52:54	Over speeding	One of the 5 most serious ev	93			
26/03/2007 09:05:41	26/03/2007 09:06:54	Over speeding	The most serious event durin	95			
15/06/2007 05:09:49	15/06/2007 05:10:57	Over speeding	The most serious event durin	94			
21/06/2007 14:36:38	21/06/2007 14:38:17	Over speeding	The most serious event durin	98			
18/07/2007 14:51:53	18/07/2007 14:52:54	Over speeding	The most serious event durin	93			

close



Vehicle archive : List of time adjust events:

Vehicles activity

Activity of 237AXC

Activity	Activity changes	Company locks	Controls	Card insertions/withdrawal	Places	Specific conditions	events
Faults		Overspeeding events		Time adjustment		Technical data	
Old time value	New time value	Workshop name	Workshop address	Workshop card			

close

Vehicle archive : List places :

Vehicles activity

Activity of 237AXC

Activity	Activity changes	Company locks	Controls	Card insertions/withdrawal	Places	Specific conditions	events
Faults		Overspeeding events		Time adjustment		Technical data	
Entry time	Period type	Country	Region	Odometer			
13/02/2007 09:49:54	1	D	???	4			
13/03/2007 13:07:00	4	F	???	7			
13/03/2007 13:47:00	1	F	???	33			
13/03/2007 14:03:34	1	F	???	33			
13/03/2007 14:06:00	4	F	???	33			
13/03/2007 14:21:12	1	F	???	37			
13/03/2007 14:22:00	4	F	???	37			
13/03/2007 14:27:22	1	F	???	38			
13/03/2007 14:29:00	4	F	???	38			
13/03/2007 15:08:00	1	F	???	63			
19/03/2007 09:53:19	1	F	???	112			
19/03/2007 16:38:00	2	F	???	112			
19/03/2007 17:12:24	1	F	???	112			
20/03/2007 09:19:00	2	F	???	112			
20/03/2007 09:42:46	1	F	???	121			

close





Vehicle archive : List of technical data:

Vehicles activity
\_ □ ×

### Activity of 237AXC

Activity	Activity changes	Company locks	Controls	Card insertions/withdrawal	Places	Specific conditions	events
Faults	Overspeeding events			Time adjustment		Technical data	

missing

Address

Part Number       Serial number

Software version       Software installation date

Manufacturing date       Approval number

Sensor approval number       Sensor serial number

   Sensor first pairing date

Purpose	Workshop name	Workshop address	Workshop card	Expiry date	Vehicle ide
Activation	DaimlerChrysler AG, Werk Wür	Daimlerstraße 1, 76742 Würth	D_Dw00000001062001	23/06/2007 23:59:E	WDB9340:
First calibration after activa	EUROMASTER FRANCE	67100 STRASBOURG	F_20052407507F0101	15/02/2008 23:59:E	WDB9340:
Periodical inspection	ACTIA	31432 TOULOUSE	F_20041700301F0710	30/11/2007 23:59:E	WDB9340:





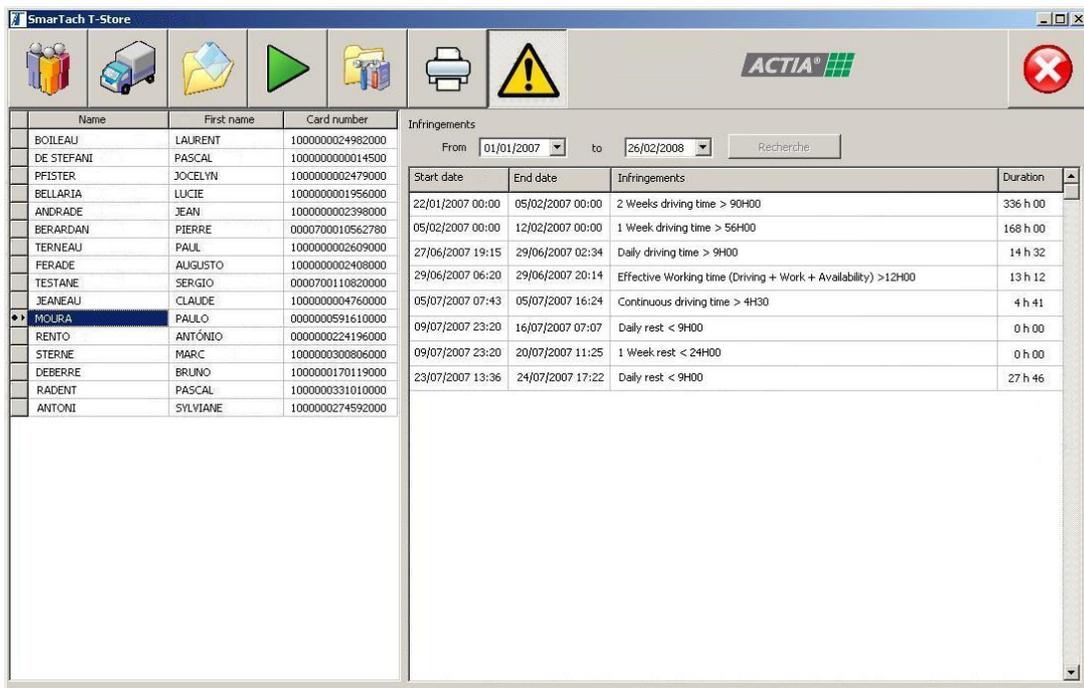
## 7. Control Functionality

This set of functions is only available for **Control** version of SmarTach T-Store.

These functions permit to have a textual representation of infringements for Driver downloaded files content.

These functions are available via control button  (control menu)

Control button permits to see all Driver files available on database



The screenshot shows the SmarTach T-Store application window. On the left, there is a list of drivers with columns for Name, First name, and Card number. The driver 'MOURA, PAULO' is selected. On the right, there is a table of 'Infringements' with columns for Start date, End date, Infringements, and Duration. The table shows several entries, including '2 Weeks driving time > 90H00' and '1 Week driving time > 56H00'.

Name	First name	Card number
BOILEAU	LAURENT	1000000024982000
DE STEFANI	PASCAL	1000000000014500
PFISTER	JOCELYN	1000000002479000
BELLARIA	LUCIE	1000000001956000
ANDRADE	JEAN	1000000002398000
BERARDAN	PIERRE	0000700010562780
TERNEAU	PAUL	1000000002609000
FERADE	AUGUSTO	1000000002408000
TESTANE	SERGIO	0000700110820000
JEANEAU	CLAUDE	1000000004760000
MOURA	PAULO	0000000591610000
RENTO	ANTÓNIO	0000000224196000
STERNE	MARC	1000000300806000
DEBERRE	BRUNO	1000000170119000
RADENT	PASCAL	1000000331010000
ANTONI	SYLVIANE	1000000274592000

Start date	End date	Infringements	Duration
22/01/2007 00:00	05/02/2007 00:00	2 Weeks driving time > 90H00	336 h 00
05/02/2007 00:00	12/02/2007 00:00	1 Week driving time > 56H00	168 h 00
27/06/2007 19:15	29/06/2007 02:34	Daily driving time > 9H00	14 h 32
29/06/2007 06:20	29/06/2007 20:14	Effective Working time (Driving + Work + Availability) >12H00	13 h 12
05/07/2007 07:43	05/07/2007 16:24	Continuous driving time > 4H30	4 h 41
09/07/2007 23:20	16/07/2007 07:07	Daily rest < 9H00	0 h 00
09/07/2007 23:20	20/07/2007 11:25	1 Week rest < 24H00	0 h 00
23/07/2007 13:36	24/07/2007 17:22	Daily rest < 9H00	27 h 46

By double clicking on one archive, the infringements for a driver and on a range of date are displayed:

The computing parameters are:

- 1 reference week is the period between 2 weekly rest
- 1 reference day is the period between 2 daily rest
- Driving interrupt less than 15 minutes are not taken into account



The available infringements are:

- Cumulative break time < 0H45 :
  - *In the nominal case, the driver has not complied with a break of at least 45 minutes after driving period of 4 h 30*
  - *In case of reduced break, the driver did not observe a first minimum break of 15 minutes, followed by a second minimum break of 30 minutes, taken at the latest, at the end of 4 h 30 driving period.*
- Continuous driving time > 4H30  
*The driver made more than 4 hours and 30 minutes of continuous driving on one day, driving breaks less than 15 minutes are not considered*
- Daily driving time > 9H00  
*The driver has made over 9 hours of driving on a day*
- 1 Week driving time > 56H00 :  
*The driver has made over 56 hours of driving on a calendar week*
- 2 Weeks driving time > 90H00  
*The driver has made over 90 hours of driving on two consecutive calendar weeks*
- Daily rest < 9H00  
*The driver did not comply with a minimum daily rest of 9 hours*
- 1 Week rest < 24H00  
*The driver did not comply with a minimum weekly rest of 24 hours in a calendar week*
- Extended daily driving [9H00-10H00], more than 2 times in the current calendar week  
*The driver made more than 9 hours to 10 hours of daily driving, more than 2 times in the same calendar week*
- Effective Working time (Driving + Work + Availability) >12H00  
*The driver made more than 12 hours of effective work on a day, the actual work being the sum of driving, Work and Availability*
- 2 reduced weekly rest successive < 45H00  
*The driver did not comply with 2 reduced weekly rests less than 45 hours*

The “infringement report” button down right of the screen allows the creation of an infringement list linked to a driver; this list will not contain the infringements which are unselected. This list is shaped to be printed.

The « driver letter » button down right of the screen allows the creation of a letter with the infringements linked to a driver. This letter will not contain the infringements which are unselected. This letter is shaped to be printed.



## 8. Total functions

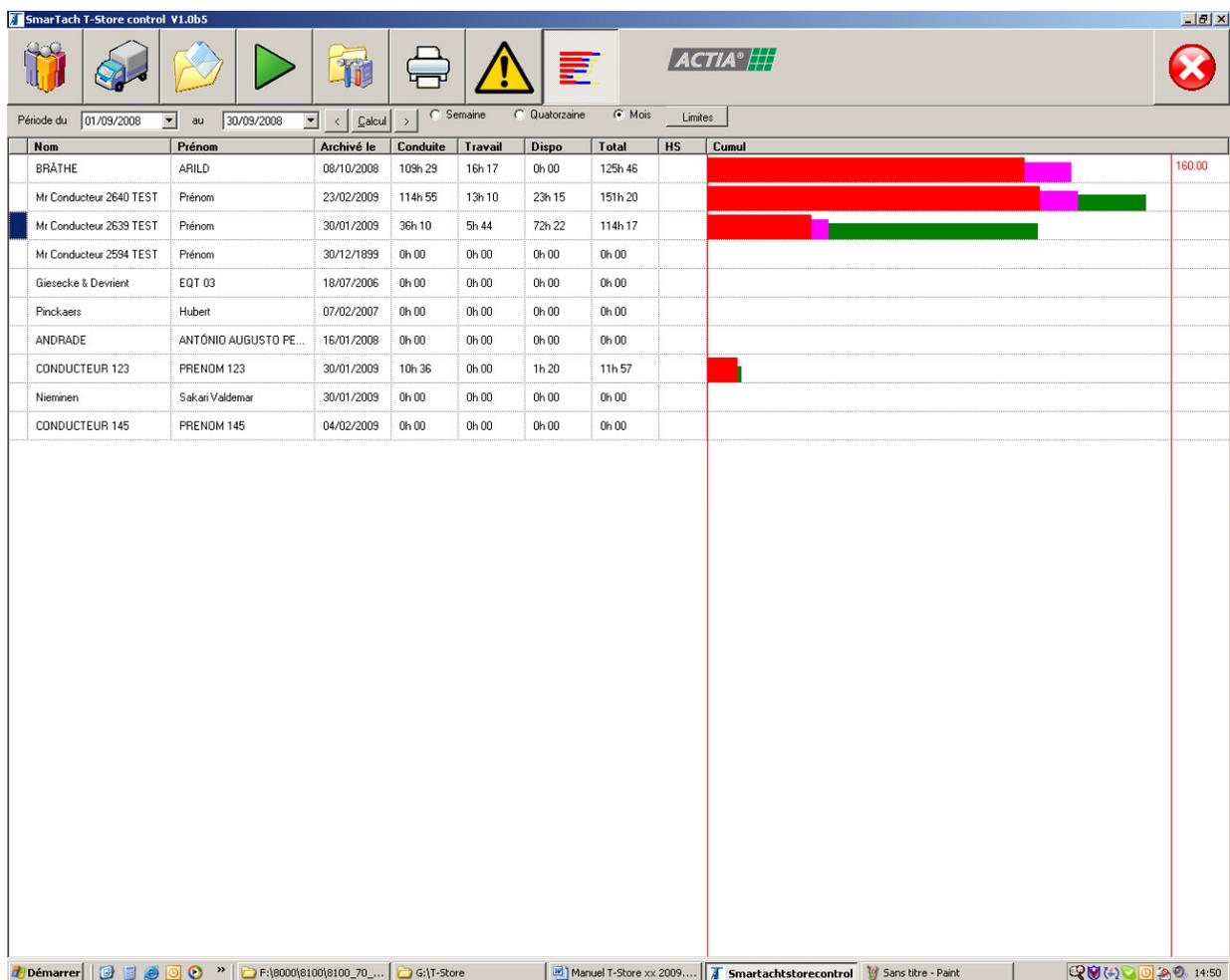
These functions are only available for the **Control** version of the SmarTach T-Store software. These functions allow you to display a text and a graphic representation about the driver activities.

These functions are accessible via the “Total” button  (Control menu)

The “Total” button allows you to see for all driver files in the data base, the durations of the different activities, per week, for two weeks and for a month.

The « limits » button allows the user to program the duration of the normal work, per week, for two weeks and for a month and, the maximal duration of work for these same periods. These values are used by the T-Store Control software to determine if the driver did overtime, in the overtime column.

The right part of the window is a graphic representation of the totals, for a week, two weeks or a month.



The screenshot shows the SmarTach T-Store control software interface. The window title is "SmarTach T-Store control v1.0b5". The interface includes a toolbar with various icons (truck, folder, play, printer, warning, total button) and a menu bar with options like "Période du", "au", "Calcul", "Semaine", "Quatorzaine", "Mois", and "Limites". Below the menu bar is a table with the following columns: Nom, Prénom, Archivé le, Conduite, Travail, Dispo, Total, HS, and Cumul. The table contains data for several drivers, including BRÄTHE, Mr Conducteur 2640 TEST, Mr Conducteur 2639 TEST, Mr Conducteur 2594 TEST, Giesecke & Devrient, Pinckaers, ANDRADE, CONDUCTEUR 123, Nieminen, and CONDUCTEUR 145. To the right of the table is a graphic representation of the totals, showing horizontal bars for each driver, with a red bar for the first driver and a green bar for the second driver. The total value for the first driver is 160.00.

Nom	Prénom	Archivé le	Conduite	Travail	Dispo	Total	HS	Cumul
BRÄTHE	ARILD	08/10/2008	109h 29	16h 17	0h 00	125h 46		160.00
Mr Conducteur 2640 TEST	Prénom	23/02/2009	114h 55	13h 10	23h 15	151h 20		
Mr Conducteur 2639 TEST	Prénom	30/01/2009	36h 10	5h 44	72h 22	114h 17		
Mr Conducteur 2594 TEST	Prénom	30/12/1899	0h 00	0h 00	0h 00	0h 00		
Giesecke & Devrient	EQT 03	18/07/2006	0h 00	0h 00	0h 00	0h 00		
Pinckaers	Hubert	07/02/2007	0h 00	0h 00	0h 00	0h 00		
ANDRADE	ANTÓNIO AUGUSTO PE...	16/01/2008	0h 00	0h 00	0h 00	0h 00		
CONDUCTEUR 123	PRENOM 123	30/01/2009	10h 36	0h 00	1h 20	11h 57		
Nieminen	Sakari Valdemar	30/01/2009	0h 00	0h 00	0h 00	0h 00		
CONDUCTEUR 145	PRENOM 145	04/02/2009	0h 00	0h 00	0h 00	0h 00		

