PRODUCTS DESCRIPTION

Object of Tender
Supply, delivery and maintenance **Of** **Digital & Analogue** **Tachograph Enforcement Devices,** **To Include Support & Training**

Object of this document

This document describes the proposed products and services as an answer to tender for the supply, delivery and maintenance of Digital, and Analogue Tachograph Enforcement devices to include Support and Training.

DIS Transics proposes the **OCTET Software, TAK Reader, TAK Flash and Scan4 hardware**, as a qualitative solution to the requests of the above mentioned tender.

This document contents the following chapters :

- Description of the proposed solution
- Commented requirements / specification
- Other specific requirements
- Other important functions
- Options
- Annexes

Description of the proposed solution

DIS-Transics proposes to use the OCTET software already used by hundreds of officers in several countries. Before answering each of the requirements it seems preferable to describe briefly the solution and the way it works.

OCTET was designed based on requirement of French Transport Ministry to be used by different authorities officers with different needs and different knowledge. It had to be very simple and fast for quick checks but it also had to be very refined and complete for experienced inspectors searching for frauds. It had to store all mandatory information for prosecution and can be used for other infringements than European social regulations.

OCTET can be used for roadside or company checks.

OCTET cannot be simplest to use: just insert a driver card to start a check. As soon as the card is read all contained data are displayed in a text, list or graphical form which one is most convenient. If the card is accepted the officer can analyse a very detailed view of the activities. They are displayed by month, week, day and in a four hour bar. When available information from the vehicle, other driver and speed can be displayed in parallel for comparison.

Vehicle data can be extracted from the vehicle unit to a download key (TAK-Flash) then transferred to the check as for the card data. OCTET offers same view and information than for the driver according to recorded data.

Detailed speed when downloaded can be displayed second by second.

Errors in manipulating the tachograph often lead to wrong activities being recorded. Those wrong information can cause some unexpected infringements. This is why OCTET allows the user to modify the duty segments so they better represent reality of driver activity. But, very important, those changes do not hide the original value and do not modify the downloaded files.

OCTET also proposes a breakdown in daily and weekly rests. In some cases (when daily rests are not respected or close to the limit) the officer may want to set a different breakdown. The proposal can always be modified.

Of course, OCTET allows to record charts which will complete the driver activity. Charts can be read with a Scan4 scanner or in option a flat bed scanner. They can also be entered manually either with a full description segment by segment or in a simplified form (begin, end, driving time, working time, other time).

When duty information is complete and validated OCTET search for infringements according to European Social Rules (561/2006 or 3820/85 if activities are before April 11th 2007 and any newer regulation).

A list of infringements is displayed. Each one has a full description completed with the legal text.

OCTET can print several reports :

- driver infringement list
- company infringement list
- driver activity report
- roadside check form (European model)
- vehicle activity report
- vehicle kilometres with missing periods
- vehicle technical check
- dangerous goods report

All data recorded during a check are stored in an independent XML file so they can be easily moved from one PC to another or stored on a server. Data from digital support (card or tachograph) are kept in their original format with all their signatures.

The proposed solution will include the following elements:

- OCTET programme to acquire and display data, evaluate activities and print reports
- TAK-Flash to download data from the digital tachograph
- TAK-Reader to read smart cards and connect the TAK-Flash
- Scan4 to read charts from analogue tachographs

Commented requirements / specification

1 Download Keys

DIS-Transics will provide TAK-Flash download keys. It can download data from any tachograph including drivers activities stored into mass memory, detailed speed and driver card. When the data are transferred to the PC, OCTET will display all information including the result of signatures validation.
The download key is very easy to use as it only needs to be plugged into the tachograph to start downloading data. A set of LEDs gives the user indications about the steps of the transfer and possible problems. This download key can be adjusted when connected to the PC (type of data and period to download). Three different sets of settings can be prepared and the convenient one can be selected on the road with an integrated switch.

2 Data storage and evaluation

OCTET can display and analyse data downloaded from driver cards and tachograph mass memory. It can search infringements in relation with driving and resting time:

- Excessive driving per day, week or fortnight
- Inadequate daily rest (less than 9 hours or more than 3 reduced rest between two weekly rests)
- Inadequate weekly rest (rest starting after more than 144 hours, reduced rest more than one every two weeks)
- Inadequate breaks
- Driving without a card inserted are visible on the events list and on the vehicle activity graphical view
- Inappropriate use of card. Related events or faults recorded in the card or the vehicle are displayed in the lists and can be printed
- Use of defective or expired card. Such cards are usually not accepted by tachograph. However if an event or fault is recorded it will be displayed and printed in the lists. Validity period of cards is displayed when the card is read or at any time during check
- Manipulations of tachograph, system or security breach attempts are recorded in the tachograph and displayed in the faults or events lists when downloaded file is transferred to the PC or at any time during the check. Lists can be printed.
- Other. Every information recorded in the tachograph or the driver card is displayed in the most adequate form. Lists containing calibrations, locks, faults, events, cards used, vehicles used, places, controls, overspeed and specific conditions can be printed;
- Pauses as described in Working Time Directive

OCTET can show faults and events recorded in the cards and in the tachograph. In some cases the user can convert those informations into infringements added to the list. It must be

noted that recorded fault do not automatically mean infringement so the software cannot decide to add infringement without getting more explanation from the driver.

OCTET will search for infringements according to EC 561/2006 and Working Time Directive or, if requested by the user, to AETR and any newer regulation.

OCTET can process and evaluate data captured at checkpoints or at premises coming from driver cards, digital or analogue tachograph and from archived files. All activities can be displayed in clear graphics with a view by month, week or day or with an enlargement on 4 hours. Activities of two drivers or a driver and a vehicle can but displayed in parallel for comparison.

Offences can be graded by gravity according to Directive 2009/5 or 2016/403.

3 Reporting

OCTET offers different reports to show activities and infringements. The infringement list can be sorted by date or by type of offence.
A “kilometre report” is available and is the only way to detect missing data and to identify gaps in driver or tachograph data.

Each detected offence is presented with all relevant information: related period, real duration of the duty or rest, legal duration, regulation reference and text, full explanation. On the screen, offences are completed with a graphic.

4 PC requirements

OCTET does not require any additional hardware or software. However the TAK-Flash download key was designed to work with the TAK-Reader combo card reader. So this device is included in the offer.

While they are not necessary to use OCTET it should be useful to install some application like Acrobat Reader and a PDF printer like “PDF-Creator”. Both are free to use.

The PC should have 3 available USB ports: 1 for Scan4, 1 for Tak-Reader, 1 for USB dongle (hardware licence).

The charts from analogue tachographs are read with the Scan4 scanner which can be connected to one of the USB ports.

5 Solution

Most of authorities using OCTET required some changes or adaptations to fit their needs and to integrate OCTET into their own environment. Thanks to the way OCTET was developed it was easy to add those adaptations. Also, the fact that all data are stored into XML files simplifies their integration into other applications.

It is important to note that all the texts which are displayed on the screen or in the reports can be easily modified, but not by the user. This is particularly useful for the list and the definition of offences which are not limited and not integrated into the programme. An update is very simple.

OCTET was designed to work on a screen with at least a 800x600 resolution. Graphics are however better with higher resolution. This allows the programme to run on simple PC and tablet devices as long as they use a Windows 2000, XP, W7, W8 or W10 on 32 or 64 bit plateform.

OCTET cannot run on Windows CE or Windows Mobile based devices but a specific programme, OCTET-Mobile, is available which allows to perform a basic check on the road when a laptop is not available. Du to screen size limitations, not all OCTET functions are present on OCTET-Mobile.

As OCTET works as a stand alone programme and doest not need any connection to a server or a database or a network, it has no impact on the general network.

To the knowledge of DIS-Transics, OCTET does not have any limitations on performance. However it must be mentioned that OCTET is protected by a licence. This licence is delivered as a physical USB key (dongle).

Installation of OCTET requires to start the PC in administrator mode.

6 Training

a/ The training will allow the users to perform checks on the road and at premises and to enforce applicable regulations. The training will include course documentation, demonstration and instruction on the use of software and downloading equipment, verification of digital signatures and exercises in the use of and competency in course material. They will be able to read cards and charts, display the data on the screen, modify some information when necessary, search infringements and print reports. The content of the training will be detailed later according to more specific requirements.

b/ According to DIS-Transics experience it is possible to train up to 6 officers during the same session (maximum 10 when necessary). They must have access to one PC each or at least one PC for two officers. The training will last 6 or 8 hours preferably on one and half days to let time for officers to practice. Briefly the first half day is used to present all the functions of OCTET. The second half day is spent doing checks together with the teacher. During the second day the officers analyse real data. The last hours are used to explain some special cases or conditions.

c/ All information required to use the system are included into the User's Manual which is available in a PDF format or from the OCTET programme. It is used during the training.

d/ However DIS-Transics has prepared a Powerpoint presentation which shows the different steps of a check on road or at premises.

e/ DIS-Transics only produces software and related hardware and by extension training on its own products. So it did not develop advanced training regarding the Digital Tachograph itself.

Note: In the experience of DIS-Transics an external company is not the best solution to train the officers who will perform the checks. It could only explain how to use the system but not how to proceed with drivers and specific conditions. It seems better (and this is what was done with previous customers) to train 4 to 8 "experts" who will have more time to learn the system in detail, to practice, to define the best way to use it and define procedures. Then they will train other users.

7 Warranty

DIS-Transics will supply a warranty period of one year (or two years upon request), from the date of purchase, with all the equipment hardware and software proposed in response to the RFT.

Warranty will cover all defects and will include parts and labour required to correct such defects. DIS-Transics may decide to repair or to replace defective equipment. Service levels during warranty period are equivalent to service levels during maintenance contract periods.

DIS-Transics will offer a technical support during the warranty period to solve problem of installation, connection with devices supplied by DIS-Transics, use of the programme and devices, adjust settings, evaluate duties and infringements, etc. The support will be done in English by phone and preferably by mail.

8 Maintenance

DIS-Transics will propose a maintenance contract to become effective from the end of the warranty period. This contract will cover all part and labour required to repair any equipment becoming defective.

9 Documentation

OCTET is supplied with a 80 page User's Manual in English with description of the application, guide lines for doing checks, trouble-shooting guide and a "how to" section.
It is available on paper, on electronic version and by pressing the F1 key when OCTET is running.

Other specific requirements

OCTET handles data which are downloaded from a driver card, a digital tachograph or a chart. It can also get data from files provided by the checked company. All data are merged so they can be processed together.

1 Collision analyse

OCTET keeps into each check file all information collected and the result of changes done by the officer (when required) and all the infringement found or added. The data collected from a digital tachograph, a driver card or a file are kept in their original binary format including signatures so they can be brought as evidences during prosecutions along reports.

OCTET offers a very useful and easy to use display of the detailed speed recorded by the tachograph. This screen, a printed copy or an exported CSV file can be used to analyse driver's behaviour before and during a collision. A special function allows to calculate distances on the graphic.

2 Signature and authentication

When data are downloaded from a card or from a tachograph OCTET always requests a signature according to EU regulation 3821/85 Annex 1B. This signature is stored with the data into the same file insuring that the validity of data can be checked at any time.
The status of each signature is displayed on the screen when a file or a check is open in OCTET. A defective signature sets up a warning in red.

There is so many data recorded into a card or a tachograph that not all off them are included into reports. However it is always possible to use the "print screen" button of OCTET to print a copy of data displayed on the screen at any time. This clean hard copy could be inserted into any document.

3 Settings

OCTET allows selecting the infringements to search and those to keep in the final report. The events and faults reports will include only selected types.

4 Download time

It is not possible to give download time values as they are dependant of the type of duty rather than of the type of downloading equipment. Reading a driver card takes from 45 seconds to 90 seconds according to the origine of the card. Downloading data from a tachograph takes about 5 minutes when 30 days are requested. But it depends whether the driver has lots of activity changes during the day or not. It will take one more minute to download speed details. It could take 45 minutes to download the full mass memory (more than one year). Some tachographs are also much more slower.

Most important, it must be pointed out that many road inspectors made some comparisons downloading the same tachograph for the same period with different types of device. They always

got the same downloading time. The difference was only a few seconds on five minutes. The TAK-Flash usually giving the best time.

5 Best practice

OCTET includes some settings which can be used to adapt it to national habits. It also takes in account the “best international practice and standards”.

6 Technology

DIS-Transics hardware uses very recent technology and proved it reliability over the past years. OCTET like other software products is developed with the last version of tools used by DIS-Transics.

OCTET and its devices is a recent system used by thousands of users without any problem. This is a mark of its quality and security.

7 Compatibility

OCTET was designed to work best with TAK-Reader and TAK-Flash but is compatible with most other hardware.

Other important functions and information

A full description of the functions is given in the OCTET User's Manual a 80 page document located on the CD with an evaluation copy of the software. Here are the main functions and information not mentioned in the above requirements.

1 Download key and Card Reader

DIS-Transics designed the TAK-Flash to be the smallest device to download data from digital tachograph. Very light (only 15g) it has a memory of 4Mb which can hold at least 20 vehicles downloads. Very easy to use as there is only to insert the key do download data. Three lights indicate the different steps of the download process and the type of error if any.

The TAK-Flash parameters can be adjusted when it is connected to a PC. Parameters are:

- Period to download (last days)
- Download of detailed speed
- Card download (when inserted)

The key holds three sets of parameters that can be selected with a switch on the enclosure. It is so possible to change the settings on the road without having to connect the key to a PC. For example the key is usually set to download the last 30 days with the speed. In case a fraud is suspected it is easy to switch to an extended period of 100 days for more information.
Data are downloaded from the tachograph according to EC 3821/85 Annex 1B and include all signatures. Signature validity and file structure are checked when the key is connected to the PC. In case of a defective signature, the information is displayed by OCTET.

The TAK-Flash resists to several drops from more than one meter on concrete.

The TAK-Flash key must be connected to the PC through a TAK-Reader. This device contents a smart card reader, a serial port with tachograph like connector and a USB port.

TAK-Reader

TAK-Flash

TAK-Reader is a box combining a smart card reader suitable for all kind of smart cards, a serial interface for the TAK-Flash key and a USB port. It connects to one of the PC USB ports.

2 Scan 4 scanner

OCTET can read charts with a Scan 4 scanner. The Scan 4 was designed and is built by DIS-Transics. This is the fastest and most reliable solution to transfer charts duty data into a time management or evaluation software. Reading a chart takes less than 4 seconds. This is the sole scanner dedicated to charts reading and analysing. As the chart is read the same way it is written in the tachograph the image is better than with a flat bed scanner. The unique analyse algorithm also provides clean and accurate results. More than 4000 units of different versions were built since 1990 and almost everyone is still in use.

3 Reports

OCTET includes different reports:

- Infringements list sorted by chronological order or by type
- Roadside check form according to MIDT document
- Driver or vehicle activity displaying driving, working and other times day by day with weekly totals
- Vehicle kilometres displaying a list of kilometre index at begin and end of each day. A gap between two lines indicates missing or erroneous data. A specific line is inserted to point out the kilometres difference as well as the reason. This report can also be used with charts read with a scanner or entered manually. In this case OCTET searches in all drivers activities the vehicles used, draws the list then displays the differences. It is so easy to find missing charts during a company check
- Dangerous goods check form according to ADR rules
- Visual Technical check form summarising the different parts of the vehicle inspected.

(see an example of the reports at the end of this document)

4 Graphical display

All activities of a driver or a vehicle are displayed on three different views. One per month with one line per week and six lines. Activities are shown in a very simplified way for a quick view of worked or non worked days.
The view per week shows seven lines, one line per day with full details and all available information. Selecting one or more segments displays the details of that segment (time start and end, activity, vehicle or driver, co-driver, etc.). The view per way displays the same line but add several functions. Half of the screen is used to view an enlarged part of the day. The enlargement factor is variable so it is possible to view from 45 minutes to 48 hours. This enlargement can be combined with a view of:

- Vehicle or driver activity
- Speed
- Original activity (before any change)
- Other driver activity

Some markers show:

- Daily or weekly rest as calculated by the programme (for driver only)
- Rest duration (for driver only)
- Daily rest duration into the 24hour period (when extending on more than 24 hours)
- Vehicle used or driver
- Card insertion and withdrawal
- Place entry
- Events and faults

When an activity has been modified the original value is always visible.
Activity and daily or weekly rest markers can be modified if necessary.

(see an example at the end of this document)

5 Support and maintenance

The support agreement includes assistance by phone and mail to users every working day during standard office hours. Assistance on site is not included. The support centre will answer any question related to using or setting the system (hardware and software). It will assist the user or technical personnel for installation or reinstallation of the software. It will help restoring data in case of loss but without obligation of success. Questions about European or local regulations are not included.

DIS-Transics offers a maintenance agreement in order to insure the software used by Officers is always up to date with regulations. The agreement includes the delivery of every new version available during the validity period of the agreement. Delivery can be done by CDs or by Internet according to customer request. New versions will include new functions that DIS-Transics may decide to include in the application, bug corrections when needed and evolution of European and AETR regulations. It may also include functions developed on request by the customer. DIS-Transics will provide a new version every year at least. New functions, changes or adaptations at customer request are not included in the maintenance agreement. They will be the subject of a different study and purchase order.

Support and maintenance during the warranty period are equivalent to support maintenance during contract period.

6 Company check

OCTET includes an important function to greatly simplify company checks. The main problem in company checks is that the company may provide a wide list of files without knowing if they are really pertinent for the check and if they include all mandatory data. OCTET can parse all the submitted files to create a list of drivers and vehicles. For each one OCTET lists the available files and select the most pertinent one (several if needed). OCTET also browses each selected file to determine which vehicles were used by a driver or which drivers drove a vehicle then compares with available files. The officers can so quickly find missing, incomplete or delayed downloaded files. This function may save a lot of time when collecting data from the company.

7 Speed data

The graphical view of the detailed speed allows to display all information of a particular second (exact date and time, speed and distance) but also lets select a period to calculate duration, maximum, minimum and average speed, distance and acceleration or deceleration). This last point is often used when analysing accidents. Information of the selected period can be exported in a CSV format to be processed with a spreadsheet programme.
All graphical views and lists can be printed to be added to the prosecution file.
(see an example at the end of this document)

8 Road profile

The speed is naturally displayed in parallel with the activity of the driver or of the vehicle but OCTET also has two interesting speed diagrams. The first one is the speed according to time. This looks like the speed recorded on a chart but without the stops. The speed trace is so continuous. Transport Officers familiar with charts and able to compare road profiles will be helped by this drawing.
The second diagram shows the speed according to the distance. Now the Officer can tell the speed of the vehicle at a precise location. Most important he can check with known points if the route indicated by the driver is the right one.

9 Checks data

OCTET was designed to store every information needed for prosecution. This includes all references for drivers, vehicles, trailers and operator. Those information are optional but if filled in they are stored in the check file. It's XML format allows it to be processed by an existing programme which has only to be adapted to get data from it instead of from a manual entry. In France this was done with the GRECO application which can prepare all prosecution document from the check file.

10 Merging data

During a roadside check it often happens that the driver presents not only a driver card but also charts or even two cards in the future. During a check at operator's premises the Transport Officer may receive activities data as files and charts. Several files may be required to cover the same period. To handle this complexity it is necessary to have a software that can merge all kind of data sources. OCTET can merge data coming from:

- Driver or workshop cards
- Saved and downloaded files
- Charts read with a Scan 4 scanner
- Charts read with a flat bed scanner (as an option)
- Charts entered manually with details
- Charts entered manually as a summary

Graphical view used for duty validation and evaluation represents equally all activities. A line in the "detail panel" shows the origin of the information.

11 Activities when card is not inserted

When activities are recorded on the card or in the vehicle unit mass memory they are presented differently in the graphical views. While regular activities are shown in solid colour, activities with card not inserted are shown with a mesh.

12 Vehicle used without a card inserted

Sometimes the vehicle recorded an activity without a card inserted but the driver recognizes he was driving and forgot his card. In this case the activities can be selected on the vehicle view then transferred into the driver record so they will appear in its graphical view and can be evaluated. Of course, this does not change the files downloaded from the card.

13 Detailed offences

Each offence is described by a title, a reference that can be the regulation article number, a description that can be the regulation article contents and a contextual description do be inserted in the prosecution file. As an example for inadequate breaks the contextual description would be "From 18:23 on 12/04/08 to 04:45 on 13/04/08 the data on the driver records shows a driving time of 4:55 without required breaks. Driving time was split in 5 periods and longest breaks were 0:14, 0:35. The gravity index is 2."

14 Offence list

OCTET finds offences in recorded activities according to duration indicated in the regulations without any tolerance. However the Transport Officer has the capacity to invalidate some offences when he thinks they are not important or not relevant. In such a case he can remove the check on

the associated box. The offence will still appear on the “Driver infringement report” but not on the “Roadside check form”.
On the other hand, the Officer may want to add infringements that cannot be detected by OCTET, i.e. missing chart, no card, wrong or missing license, etc. A list of possible infringements can be prepared and added to the list by the Officer. The list of available infringement is stored in a text file (that can even be translated in different languages) so it is independent of the application itself and can be updated easily.

15 Technical vehicle check and Dangerous goods

The vehicle file includes one page dedicated to the technical check. Major point to check are indicated and can be marked as “not checked’, “correct”, “incorrect” or “irrelevant”.
One other page is dedicated to dangerous goods when appropriate. Every information required by ADR is present and can fulfilled or checked.
Information of both pages can be printed as two reports.

16 Miscellaneous

OCTET can read all kind of tachograph cards including Company and Control cards.

OCTET includes a statistics report to analyse the infringements found during a period.

OCTET includes a powerful search function to find a driver, a vehicle, an officer or check done during a period in the files stored on the PC.

A check can easily be copied (saved) to a different directory or drive.

OCTET has an external function to perform regular saves of checks on a different drive (or server). Saved files can be deleted as well to clean the system. This function also allows to copy all checks done by all Officers on a central server. One OCTET software can point to this server to do statistics reports or give access to checks data for the Courts.

OCTET handles “temporal overlaps”. When a card has events that overlap due to misadjusted tachograph clocks, OCTET takes necessary actions to present clean activities on the graphics and save accuracy for evaluation.

OCTET is compatible with most of the download keys available (except D-Box). In case a download key is not yet compatible it will be added on demand. “Compatible” means the downloaded files located on the key are automatically displayed when it is inserted. It is always possible to import a file from the key that appears in Windows as an external drive.

OCTET works with protected PCs. In case the PC's users have no access to the "program files" directory or to the boot drive, it is possible to separate the application and the data. The settings files and the check files can be placed in a private directory.

17 Adaptations

OCTET complies with most of the requirements and covers basic needs for regulation enforcement. It could be used as soon as installed. However to get best result it is necessary to define and adapt some data.

It is first necessary to define which functions will be used by officers. Some unused functions can be hidden to simplify the interface.

It is also necessary to draw a list of offences to manage with OCTET. The programme can find infringements related to driving and resting time but others can also be added by the officer. This list must be defined and the texts used can be adjusted for a better understanding or to match national texts.

Starting data can also be defined as regions, roads, cities, etc. They can be included into the setup and simplify the first use of the system.

Above adaptations are free of charge.

ANNEXES

1 Roadside check form

	Polizei Verkehrspolizei Stützpunkt Sprengi 6020 Emmenbrücke	Roadside Check Form Driving and Resting Time EU Regulations 561/2006 - 3821/85	11. Result of Check ☐ Further Enquiries ☐ Report/Fine ☐ Warning ☐ Prohibition ☐ No Infringement

Place of control

12. Area code of enforcement authority	13. Enforcement officer identity	1. Place of control - Location and road number	2. Date :	3. Time :
ARNG	M. Sabatier Guy	MIN de Rungis City : Rungis	24/09/2007	16:05

Road type

Vehicle

4. Registration number - Vehicle :	5. Type/group of vehicle :	Max weight :	6. Nationality	7. Registration number - Trailer :	8. Type/group of vehicle :	Maximum total weight :	Nationality
1041 XT 81			F	1152 XT 81			F

Driver and Operator

Operator, name,		Nationality	Address : CHEMIN DU BOIS
TRANS NORRE SA		F - Fran	ZI DES FORETS 81700 SAINT ANDRE Telephone number :
Driver name	**Date of Birth**	**Nationality**	**Address :**
JACQUEMIN PIERRE-ALAIN	12/10/1957	F	
Driver card Number : 1000009090090000			**Telephone number :**
Employer - if different from section 7 :			**Address, telephone**

Transport type

☑ National carriage	☑ Carriage of goods	☑ Digital tachograph	☑ EU Journey
☐ International carriage	☐ Carriage of passengers	☐ Analogue tachograph	☐ AETR ☐ National / Other

Periode for which data have been annalysed

From date	Time	To date	Time	N° days check	Odometer readi
16/04/2007	19:34	24/09/2007	00:00	162	154049

Offences - For offence codes see reverse of form

561-6-1_1	Conduite journalière	33
561-6-3	Conduite sur 2 semaines	5
561-7	Conduite continue	54
561-8-2	Repos journalier	52

Prohibition is applied and is valid until

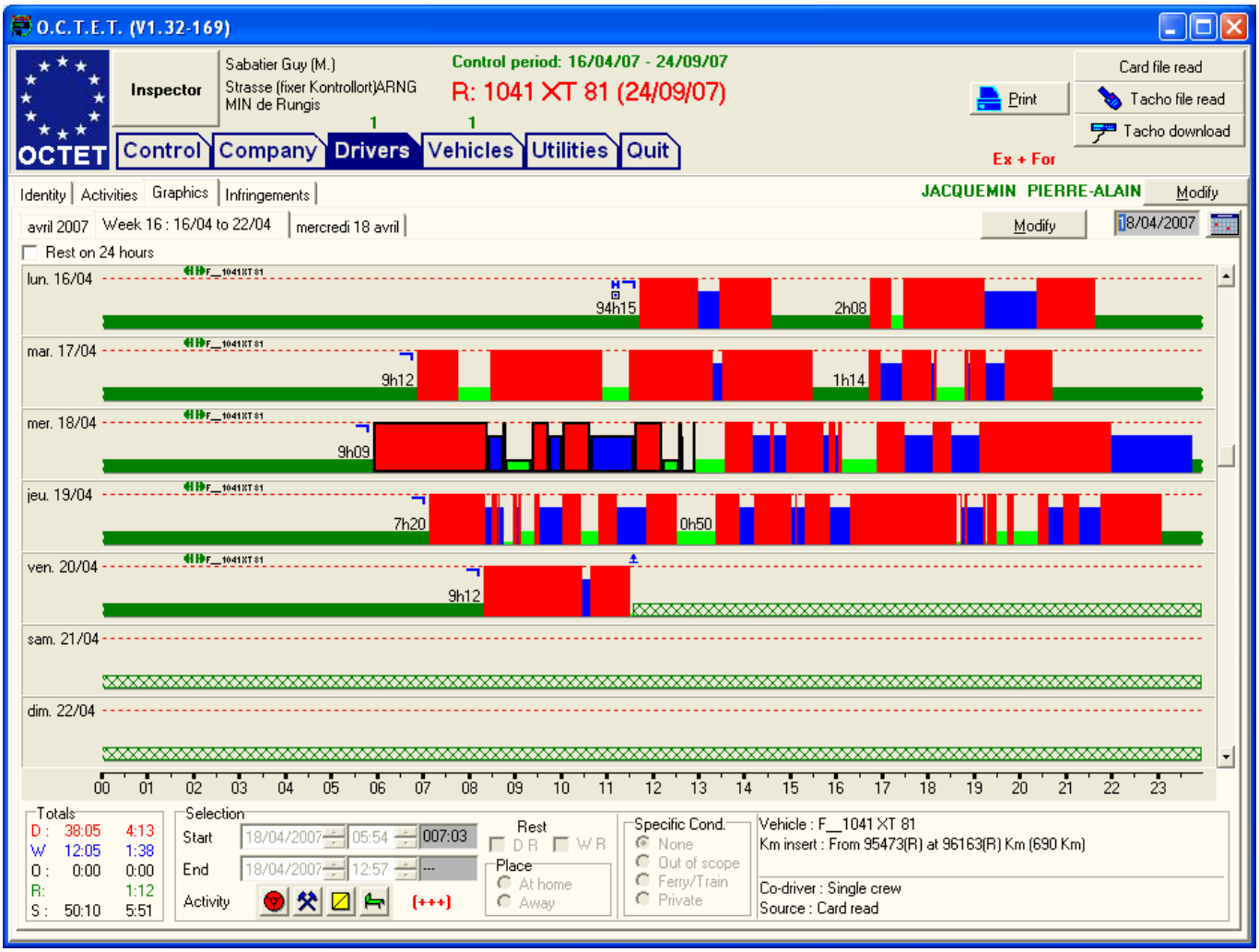
12. Comments :

Data downloaded or charts taken from driver and/or vehicle

Receipt given for:	☐ Tachograph charts (Number)	☐ Printout (Number)	☑ Digital data Vehicle Unit	☑ Digital data Driver Card	☐ Other (Specify above)

13. Controllers signature:	Drivers signature:

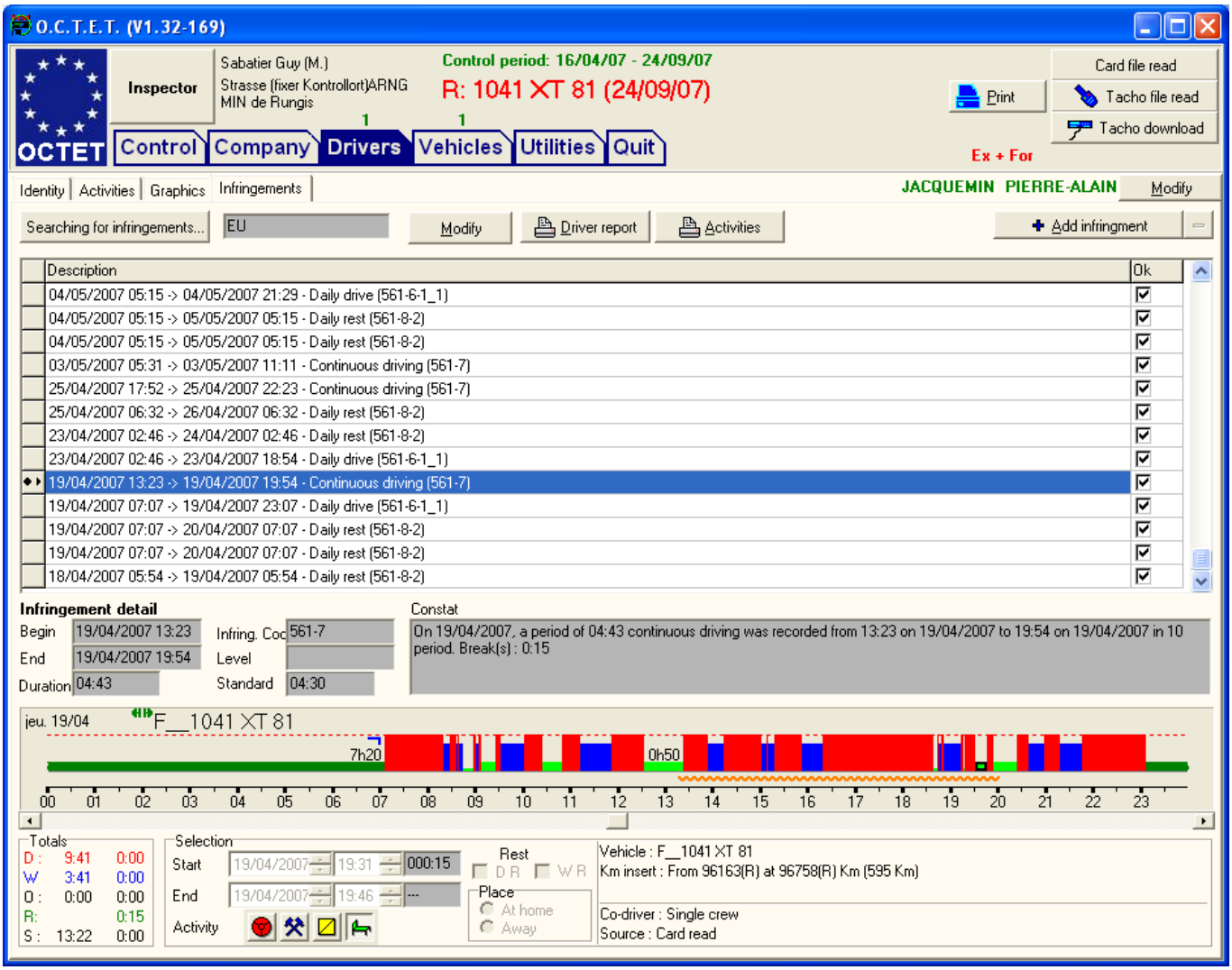
2 *Driver activity by week*



3 *Driver activity by day*

Detailed view of one day with enlargement on driver activity, vehicle activity and speed around 16:00

4 Infringements list



5 Driver Infringement report

PIERRE-ALAIN JACQUEMIN
Card : 1000000909090000
Id :
Vehicle

24/09/2007 16:05
O.C.T.E.T. (V1.32-169)

Driver infringement report

16/04/2007 - 24/09/2007

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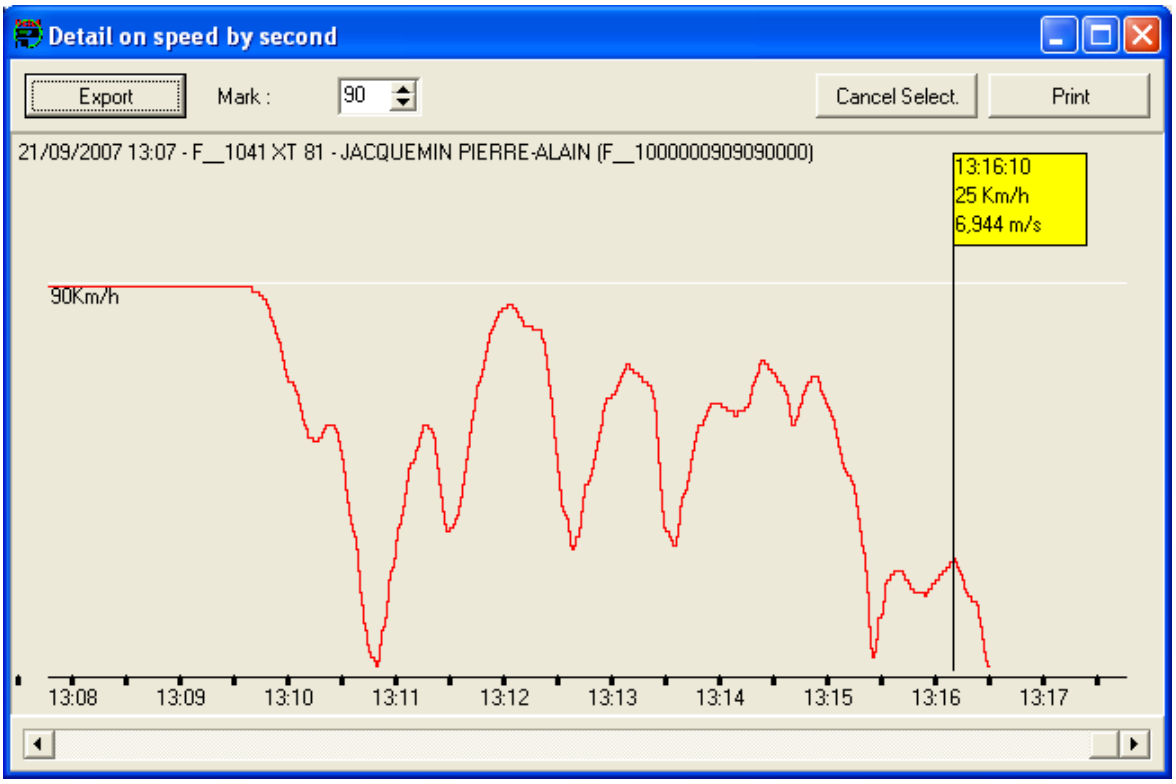
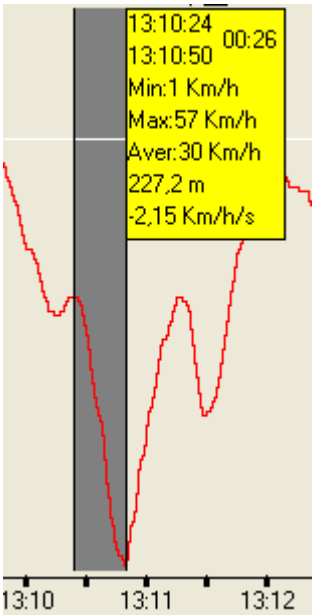
Begin	End	Title	Duratio	Standa	Valid
07/09/2007 06:29	08/09/2007 06:29	Daily rest (561-8-2)	08:31	11:00	☑
07/09/2007 06:29	07/09/2007 13:50	Continuous driving (561-7)	04:38	04:30	☑
07/09/2007 06:29	07/09/2007 21:58	Daily drive (561-6-1_1)	10:18	09:00	☑
10/09/2007 00:00	23/09/2007 23:59	Driving on 2 weeks (561-6-3)	96:12	90:00	☑
10/09/2007 08:05	11/09/2007 08:05	Daily rest (561-8-2)	07:49	09:00	☑
11/09/2007 09:20	11/09/2007 21:47	Daily drive (561-6-1_1)	10:39	10:00	☑
13/09/2007 06:33	13/09/2007 20:06	Daily drive (561-6-1_1)	10:23	09:00	☑
13/09/2007 08:55	13/09/2007 13:43	Continuous driving (561-7)	04:40	04:30	☑
13/09/2007 14:31	13/09/2007 20:06	Continuous driving (561-7)	05:10	04:30	☑
14/09/2007 08:38	14/09/2007 22:30	Daily drive (561-6-1_1)	09:03	09:00	☑
14/09/2007 08:38	15/09/2007 08:38	Daily rest (561-8-2)	10:08	11:00	☑
15/09/2007 13:50	17/09/2007 07:06	Weekly rest (561-8-6)	41:16	45:00	☑
18/09/2007 06:47	18/09/2007 21:47	Daily drive (561-6-1_1)	10:19	10:00	☑
19/09/2007 06:48	19/09/2007 13:06	Continuous driving (561-7)	05:01	04:30	☑
19/09/2007 06:48	20/09/2007 06:11	Daily rest (561-8-2)	08:42	09:00	☑
19/09/2007 13:39	19/09/2007 21:29	Continuous driving (561-7)	04:41	04:30	☑
20/09/2007 06:11	21/09/2007 06:11	Daily rest (561-8-2)	08:53	09:00	☑
20/09/2007 06:11	21/09/2007 06:11	Daily rest (561-8-2)	08:53	11:00	☑
21/09/2007 07:35	21/09/2007 22:06	Daily drive (561-6-1_1)	10:38	09:00	☑
21/09/2007 07:35	22/09/2007 07:35	Daily rest (561-8-2)	09:29	11:00	☑
21/09/2007 07:35	21/09/2007 13:17	Continuous driving (561-7)	04:35	04:30	☑

Title	Number
Continuous driving (561-7)	42
Driving time without breaks - Driving time must not exceed 4:30 without a break of 45 minutes in one or 2 parts.	
Daily drive (561-6-1_1)	32
Daily driving time exceeding limit - (9:00 per day and up to 10:00 twice a week)	
Driving on 2 weeks (561-6-3)	5
Drinving time on 2 weeks exceeding limit	
Daily rest (561-8-2)	79
Unsufficient daily rest. Daily rest must be 11 hours on 24 hours and can be reduced to 9 hours 3 times per week. In case of a crew minimum is 9 hours on a period of 30 hours vehicle stopped	
Weekly rest (561-8-6)	4
Unsufficient weekly rest - Weekly rest must be 45 hours and can be reduced to 24 hours every two weeks. Reduction must be compensated within 3 weeks	

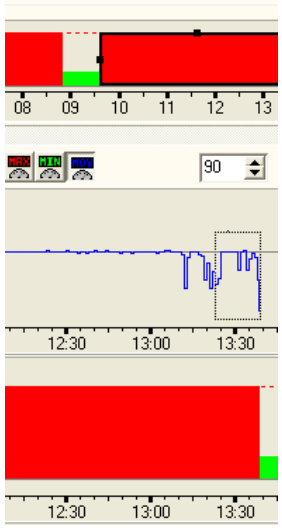
Last page with infringements description

6 *Detailed Speed Data*



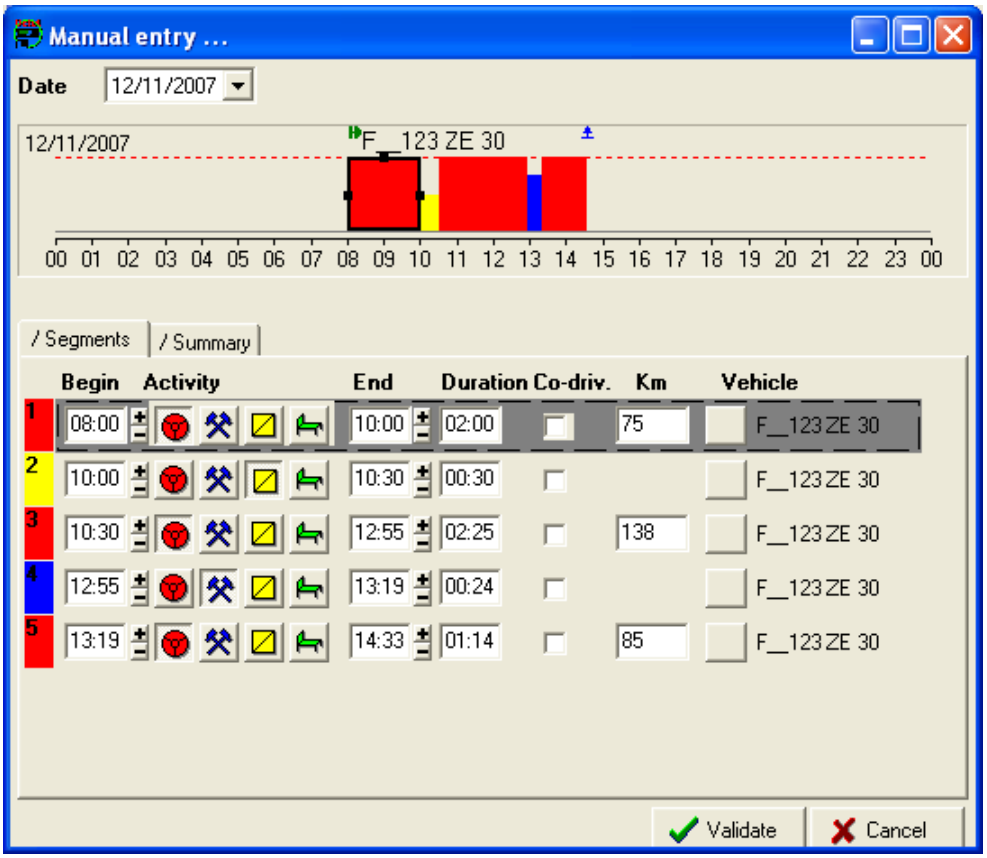


Deceleration data



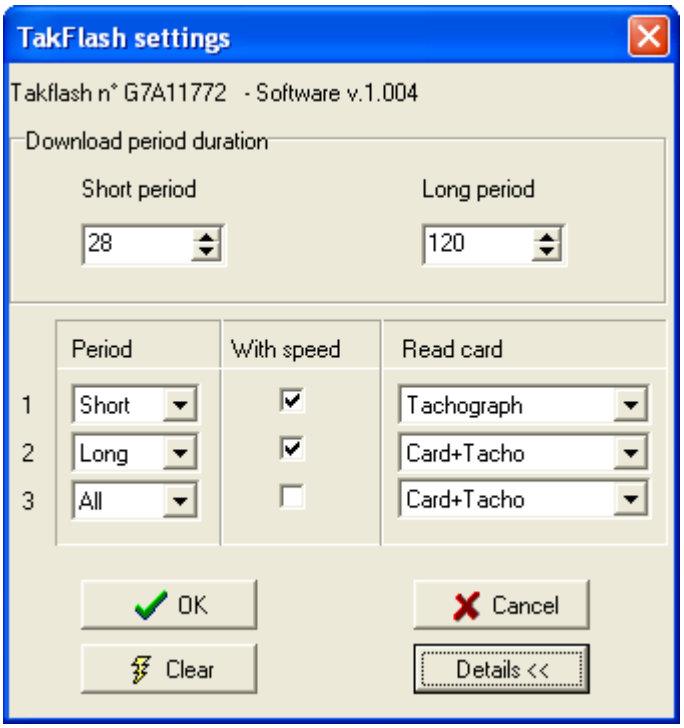
Selected period on driver's view

7 Manual entry of chart data



Scanned charts are displayed in a similar window.

8 Download key settings



Settings saved into the TAK-Flash key. Each line matches a position of the small switch on the enclosure side.

Each set can define a period to download and the type of data: tachograph, card, tachograph+card, with or without detailed speed.

9 Speed according to distance

The yellow box shows overspeeding at 207km form the check point.
During the same minute the average speed was 97km/h with a maxi at 107 and a mini at 84.

10 Dangerous Goods Transport (ADR) Report

Road transport of dangerous goods

Print out # abc000092

Transp. mode	Fixed tank ☐	Removable tank ☐	Container tank ☐	Container ☐	Battery vehicle ☐	Bulk ☐	Parcels ☐
	Total quantity per transport unit: 0kg/l				☐ Application of marginal 1.1.3.6		

ONU code(s)							

Sender

Loading

Shipped to

Onboard documents	Checked	Infringeme	Not applica
Transportation documents	☐	☐	☐
Written requests	☐	☐	☐
Bilateral / Multilateral agreement / national authorization	☐	☐	☐
Vehicle agreement certificat	☐	☐	☐
Driver training certificat	☐	☐	☐
Vehicle data			
Good authorized for transport	☐	☐	☐
Good authorized for type of transport (bulk / tank / container)	☐	☐	☐
Good authorized for type of vehicle	☐	☐	☐
Common loading forbidden	☐	☐	☐
Lock and Handling	☐	☐	☐
Goods leakage or damaged parcel	☐	☐	☐
ONU code / parcel sticker / ONU container code	☐	☐	☐
Vehicule and/or container signs	☐	☐	☐
Bulk or tank transport warning sticker	☐	☐	☐
Vehicle equipement			
Flashlight for each crew member	☐	☐	☐
At least one stop per vehicle	☐	☐	☐
Two self standing warning signals	☐	☐	☐
Fire extinguisher	☐	☐	☐
Safety jacket for each crew member	☐	☐	☐
Anti-theft protection (high risk dangerous goods)	☐	☐	☐

Misc. / observations :	Police Demonstration PARIS Inspector's signature Guy Sabatier

Report is filled with data entered by the Transport Officer.

11 Vehicle technical check

Roadside technical check

Print out # abc000032

Checked points	Checked	Not checked	Not correct
a) Braking system and elements	☐	☑	☐
b) Exhaust system	☑	☐	☐
c) Smoke density (diesel)	☐	☑	☐
d) Gaz emissions (fuel, natural gaz, GPL)	☐	☑	☐
e) Steering system	☑	☐	☐
f) Lights system	☐	☐	☑
g) Wheels / tyres	☑	☐	☐
h) Shocks (visible defects)	☑	☐	☐
i) Base (visible defects)	☑	☐	☐
j) Tachograph (installation + working)	☑	☐	☐
k) Speed limiter (installation + working)	☑	☐	☐
l) Fuel or oil leakage	☐	☐	☑

Observations :	Police Demonstration PARIS Inspector's signature Guy Sabatier

Report is filled with data entered by the Transport Officer.