

Implementation of the European Agreement  
concerning the Work  
of Crews of Vehicles Engaged in  
International Road Transport (AETR)  
in EECCA  
countries and  
forthcoming amendments  
(mandatory digital tachographs)







- 1 – Presentation of CORTE and of the speaker
- 2 – The AETR agreement
- 3 – The digital tachograph system
- 4 – Type approval of the digital tachograph/tachograph cards
- 5 – Security policy
- 6 – Workshop approval
- 7 – Issuing of tachograph cards
- 8 – Enforcement
- 9 – Data protection
- 10 – Risk management
- 11 - Conclusion







# 1. Brief presentation of **CORTE**

**C**onfederation of **O**rganisations in **R**oad  
**T**ransport **E**nforcement

[www.corte.be](http://www.corte.be)







International association based in Brussels

Composed of national authorities in charge of road transport policy and/or enforcement (full members)

Open to NGOs active in this field (associate members)

Open to industrial partners (observers)

No fees to be paid by full and associate members







## Full members:

Belgium  
Bulgaria  
Cyprus  
Czech Republic  
Denmark  
Estonia  
Greece  
Hungary  
Ireland  
Latvia  
Luxembourg  
Malta  
Romania  
Slovakia  
Slovenia  
Spain  
Sweden  
The Netherlands  
UK

Bosnia and Herzegovina  
Croatia  
Georgia  
Iceland  
Montenegro  
Norway  
Serbia  
Ukraine

**4 → 27 members in 2 years only**







## **Full members:**

Contacts to be finalised in the first part of 2007 with:

Albania

France

FYROM

Germany

Italy

Lithuania

Moldova

Turkey

Belarus would be welcome







## **Full members:**

### Objectives:

Gather all (29) EU and EEA Member States by the end of 2008

Extend to the AETR countries as soon as possible (by the end of 2009)







## **Associate members**

ACEA

→ Vehicle manufacturers

CLEPA

→ Automotive manufacturers

European Transport Safety Council

→ Road Safety

European Road Federation

→ Infrastructures and Road Safety

European Transport Workers' Federation

→ Drivers' Hours Enforcement

FIA (Fédération Internationale Automobile)

→ Road users

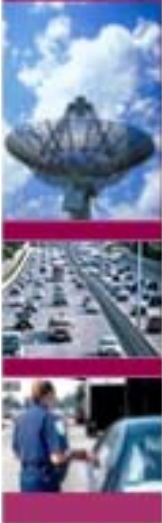
International Road Union (IRU)

→ Drivers' Hours Enforcement

ICTCT

→ Road Safety and Research

Etc...







## **Associate members:**

Objectives: associate all the major actors in the field of road traffic enforcement







## Observers:

Siemens VDO

Stoneridge Electronics

Semmler

Copper Source







CORTE has initiated a process at the UNO to become an official consultative body for road transport enforcement issues





# 1. The speaker







## **Thierry GRANTURCO**

GRANTURCO & Partners

Legal adviser in all the digital tachograph project since 1997

Barrister at the Bar of Paris and at the Bar of Brussels

Phd in European Law

Phd in Political science

Phd in International relations

Professor of Law

Secretary General of **CORTE**





## 2. The AETR Agreement







Persons and goods are transported everywhere in Europe

To cover these situations, an international agreement has been signed under the auspices of the United Nations on 1 July 1970, known under the acronym **AETR**.

*“European Agreement concerning the Work of Crews of Vehicles engaged in International Road Transport”*

See [http://www.unece.org/trans/main/sc1/sc1doc\\_2004.html](http://www.unece.org/trans/main/sc1/sc1doc_2004.html)

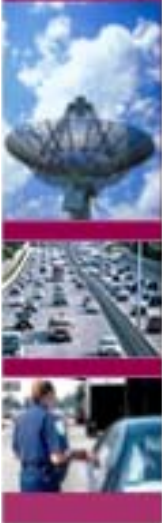




## **Which vehicles are concerned by this Agreement?**

It applies to the carriage by road:

- (a) of goods where the maximum permissible mass of the vehicle, including any trailer, or semi-trailer, exceeds 3,5 tonnes, or
- (b) of passengers by vehicles which are constructed or permanently adapted for carrying more than nine persons including the driver, and are intended for that purpose.







## Some vehicles have nevertheless been exempted by the Agreement

- vehicles with a maximum authorised speed not exceeding 40 kilometres per hour;
- vehicles owned or hired without a driver by the armed services, civil defence services, fire services, and forces responsible for maintaining public order when the carriage is undertaken as a consequence of the tasks assigned to these services and is under their control;
- vehicles, including vehicles used in the non-commercial transport of humanitarian aid, used in emergencies or rescue operations;
- specialised vehicles used for medical purposes;
- specialised breakdown vehicles operating within a 100 km radius of their base;
- Etc...





### Some vehicles can be exempted by national authorities

- agricultural tractors and forestry tractors used for agricultural or forestry activities, within a radius of up to 100 km from the base of the undertaking which owns, hires or leases the vehicle;
- vehicles used for driving instruction and examination with a view to obtaining a driving licence or a certificate of professional competence, provided that they are not being used for the commercial carriage of goods or passengers;
- vehicles with between 10 and 17 seats used exclusively for the non-commercial carriage of passengers;
- specialised vehicles transporting money and/or valuables;
- Etc...





**Which journeys are concerned by this Agreement?**





## EU rules





## EU rules





## AETR rules





## AETR rules





## AETR rules





\_\_\_\_\_

■ ■ ■







Amendments to this Agreement are currently discussed at UN level





# 3.

## Introduction of the digital tachograph

### Annex to the AETR







Considering the constant increase of:

- registration of passenger cars
- registration of commercial vehicles

as a consequence of this, the constant increase of:

- road traffic congestion
- road traffic accidents
- fatalities and injuries
- the number of heavy vehicles involved in fatalities

the EU legislator has decided in 1969 to regulate the professional drivers' activities for the very first time.

*Regulation (EEC) n° 543/69, Official Journal L 77, page 49*  
(see <http://europa.eu.int/eur-lex/lex/en/index.htm>)





This Regulation aimed mainly at:

- limiting driving time allowed by day and by week
- obliging professional drivers to record their activities through a recording equipment called “tachograph” or, alternatively, to use a kind of booklet



First generation of  
recording equipment  
In the EU



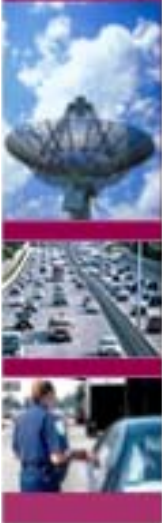




In the meantime, the EU signed in 1970 under the auspices of the United Nations an agreement called AETR extending the use of the recording equipment to the European but non EU Members (former Eastern countries, former Soviet republics, Balkan countries, etc...)

For EU drivers, the use of recording equipment became mandatory including outside the EU whilst for non EU AETR drivers, the use of recording equipment became mandatory for international journeys only

The UNO-AETR agreement foresees that each change of the recording equipment decided by the EU has to be implemented at AETR level so that each generation of recording equipment, as presented hereinafter, has also been the one used at AETR level





This Regulation changed considerably the drivers' behaviour

But the recording equipment was not yet mandatory in the sense that booklets could be used instead

Therefore, to avoid any distortion of competition between transport operators, the EU legislator decided to amend the 1969 Regulation in 1985 and to introduce a recording equipment on a mandatory basis for every professional driver

*Except for very few exceptions*

*Regulation (EEC) n° 3821/85, Official Journal L 370, page 8*

See <http://europa.eu.int/eur-lex/lex/en/report/0720.htm#07204020>







This new Regulation:

- was much more demanding with drivers (in terms of driving, working, availability and rest times)
- increased the number of data collected by the tachograph through the charts used to record data (speed, time, distances, names of drivers/ co-drivers, locations, vehicle registration numbers, etc... have to be recorded and stored)
- introduced new obligations for transport operators (in terms of breakdown or faulty operation of their tachograph)
- introduced more stringent requirements for the repair workshops to ensure a proper calibration of these recording equipments





Over the time, the recording equipment evolved and from mechanical became electronic



First generation

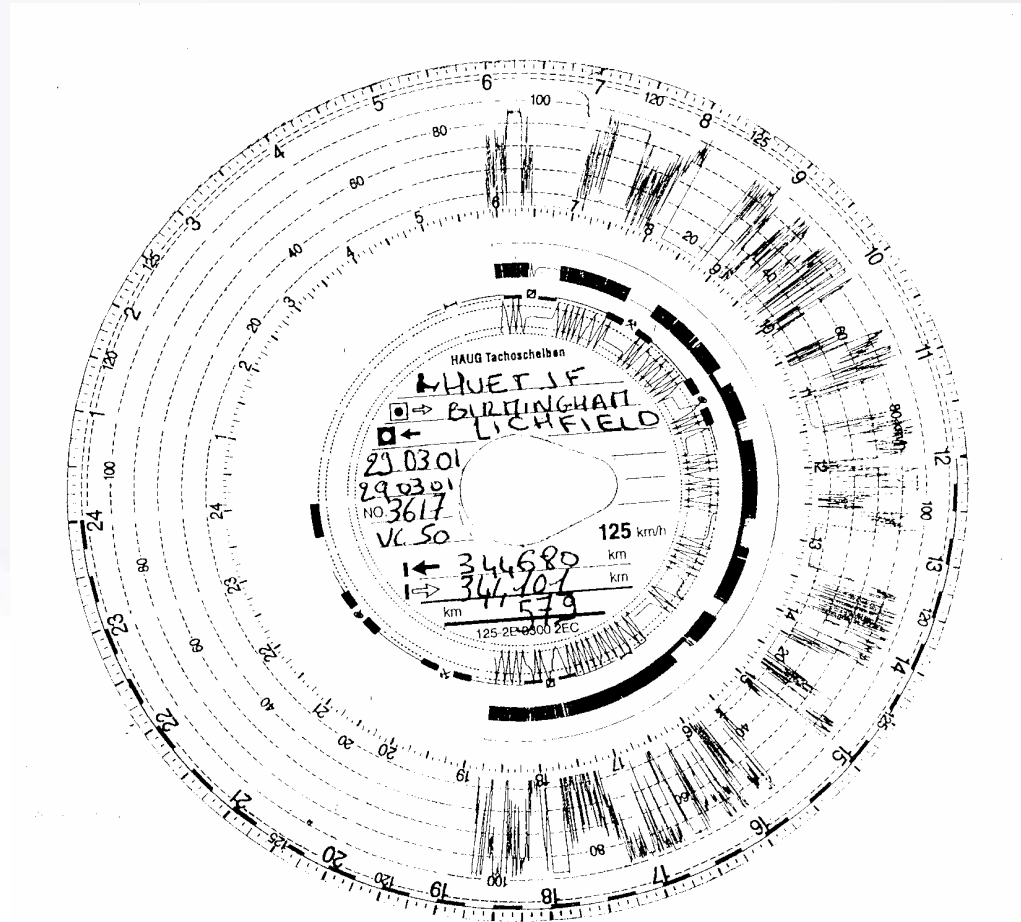


Second generation





But both generations  
are anyway working  
with paper discs





Nevertheless, it became rapidly clear that analogue tachographs were tampered (paper discs not used, destroyed, withdrawn during journeys, parameters mechanically or electromagnetically altered, etc...).

*Whereas experience has shown that the economic pressures and competition in road transport have led some drivers employed by road haulage companies to flout certain rules, particularly those concerning the driving and rest times laid down in Council Regulation (EEC) n° 3820/85 of 20 December 1985 on the harmonisation of certain social legislation relating to road transport;*

*Whereas blatant infringements and fraud present a road safety hazard and are unacceptable for reasons of competition for the individual driver who does respect the rules;*

*[...]*

*Whereas to put an end to the most common abuses of the present system, it is therefore necessary to introduce new advanced equipment [...];*

*Whereas the total security of the system and its components is essential if recording equipment is to function efficiently;*

Recitals 2, 3, 6 and 7 of Regulation (EC) n° 2135/98

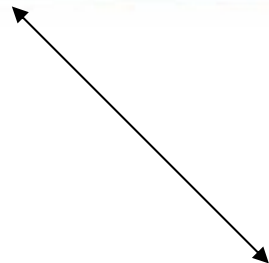




The EU legislator decided therefore to introduce a new kind of recording equipment



Encryption of data





AETR Contracting Parties have agreed in Geneva that:

- non EU AETR Contracting Parties will have to accept EU vehicles fitted with digital tachographs and control the drivers using them
- non EU AETR Contracting Parties have until the 16th of June 2010 to introduce the digital tachograph system on their territory



Presentation will focus on the obligations on Belarus in that respect



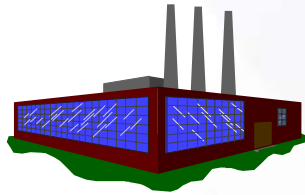


# Obligations of the Contracting Parties' authorities





## Situation with analogue tachographs



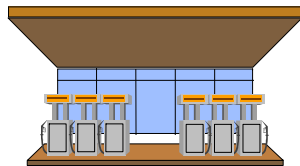
Manufacturers



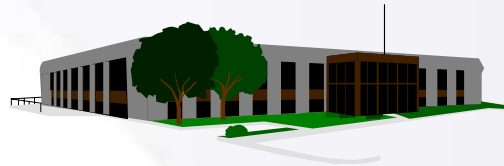
Type approval



Control bodies



Fitters  
Workshops



Transport companies



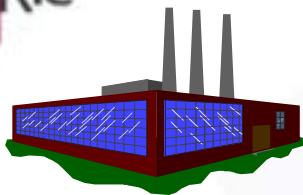
Drivers







## Situation with digital tachographs



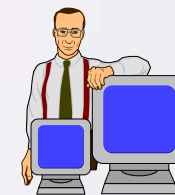
Manufacturers  
Card / VU / Sensor



Type approval



Security  
Management



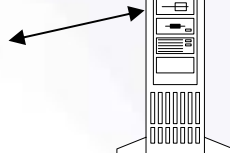
(Security) Personalisation  
Card / VU / Sensor



Card Issuing



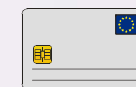
TACHOnet



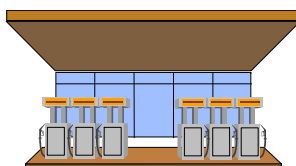
Data protection



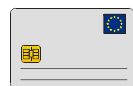
Control  
Bodies



Control  
Card



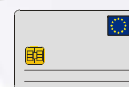
Fitters  
Workshops



Workshop  
Card



Transport companies



Company  
Card



Drivers



Driver Card





## 4. Type approval





- Digital tachographs and tachograph cards are not type approved if they cannot work with all types of tachograph and of tachograph cards already type approved
- With analogue tachographs, the situation is different
- They are type approved with a particular type of paper disc



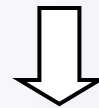


- Therefore, the applicant for a type approval has not anymore to be granted with one certificate, as it is the case with the analogue tachograph, but with four different certificates :
  - a functional certificate ;
  - a security certificate ;
  - an interoperability certificate ;
  - a type approval certificate.





# Type Approval Tests



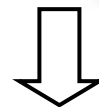
ITSEC evaluation



Functional Tests



Interoperability Tests



Type approval





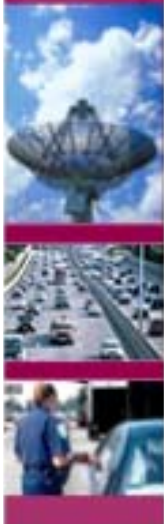
## Analogue tachographs

No type approval required

## Digital tachographs

**Type approval required:**

- **either full type approval (functional, security, interoperability and type approval certificates) = develop own cards**
- **or simplified procedure = adaptation and type approval of a card already type approved by another Member State**







**The list of type approved cards can be found on the following web site:**

<http://dtc.jrc.it/text/39436108-13.html>

Requirement 290 of Appendix 1B of the AETR

**The main type approval authorities in the EU are the following:**

- Kraftfahrt-Bundesamt - Germany
- Ministry of Industry – France
- Swedish Road Administration – Sweden

Their contact details can be found on the following web site:

<http://www.eu-digitaltachograph.org/ContactDisplay.asp>





**The authorities granting security certificates are (only) the following:**

- BSI (Germany): <http://www.bsi.bund.de/>
- CESG (UK): <http://www.cesg.gov.uk/>
- DCSSI (France): <http://www.ssi.gouv.fr/fr/dcssi/index.html>





**The authority granting interoperability certificates is (only) the following:**

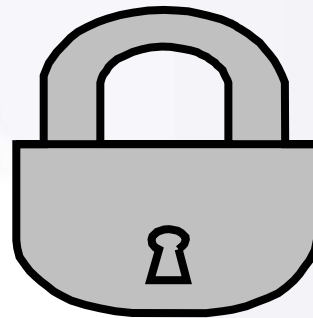
European Commission, DG JRC (Ispra, Italy): <http://dgc.jrc.it/text/IOT.html>

Requirement 278 of Appendix 1B of the AETR





## 5. Security policy

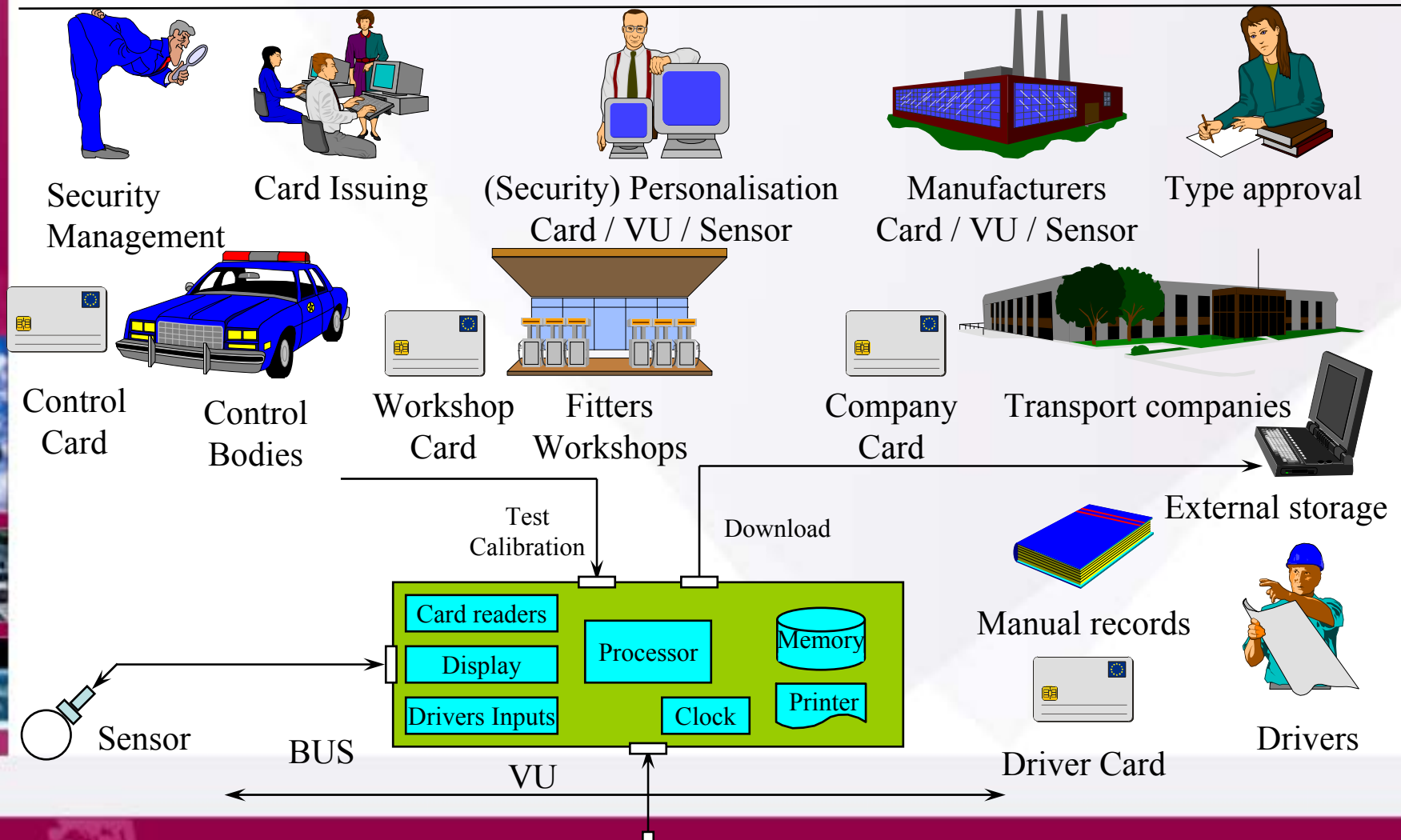






# Global Security Policy

## Who / What is involved







Contracting Parties have to ensure the maintenance of the system once deployed in the field.

Before being issued with Contracting Parties keys (to be used to cipher cards before they are issued) Contracting Parties have to submit a security policy to the ERCA (European Commission – DG JRC)

Security policy has to be maintained







In simple terms:

- the EU/AETR key has to be used to certify the AETR Contracting Parties' keys
- the AETR Contracting Parties' key has to be used to certify the equipments' and cards' keys
- equipments and keys using these cryptographic keys can then exchange encrypted and therefore secure messages



**No security policy = no national key = no possibility to issue and use cards**







### **National authorities need therefore to:**

- issue a security policy
- get it approved by the ERCA
- once approved, it has to be audited and maintained

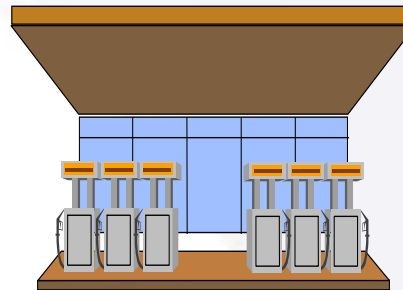
### **Timing: from 3 up to 6 months**

Work eventually to be done in close cooperation with your smart cards supplier





## 6. Approval of workshops







## **The Requirements**

All workshops should be approved against two sets of criteria:

- Technical Competence and Facilities
- Suitability of Applicant (Fitters and Workshops)





## **Technical Competence and Facilities**

Appropriate workshop facilities

Appropriate approved equipment

Suitably trained and competent technicians

Other considerations (e.g. health and safety guidelines).







## **Suitability of Applicant (Fitters and Workshops)**

Repute (Honesty and Integrity)

References (Business and Personal)





## **Workshops are basically approved to carry out:**

- Installation (requirement 239)
- Activation (requirement 243)
- Calibration (requirement 248)
- Producing Plaques and Certificates (requirement 249)
- Sealing (electronic) (requirement 251)
- Periodic inspections (requirement 256)
- Downloading (requirement 260)
- Issue Undownloadability Certificates (requirement 261)







## Analogue tachographs

Approval of workshops

Training of fitters

Equipment

Honesty

Premises

Audit

## Digital tachographs

Approval of workshops

**(New)** Training of fitters

**(New)** Equipment

Honesty

**(New)** Premises

**Security**

**Data download**

**Workshop card management**

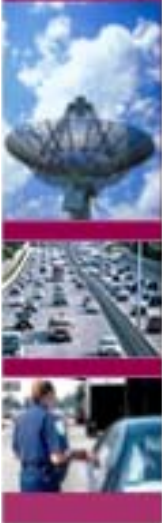
Audit





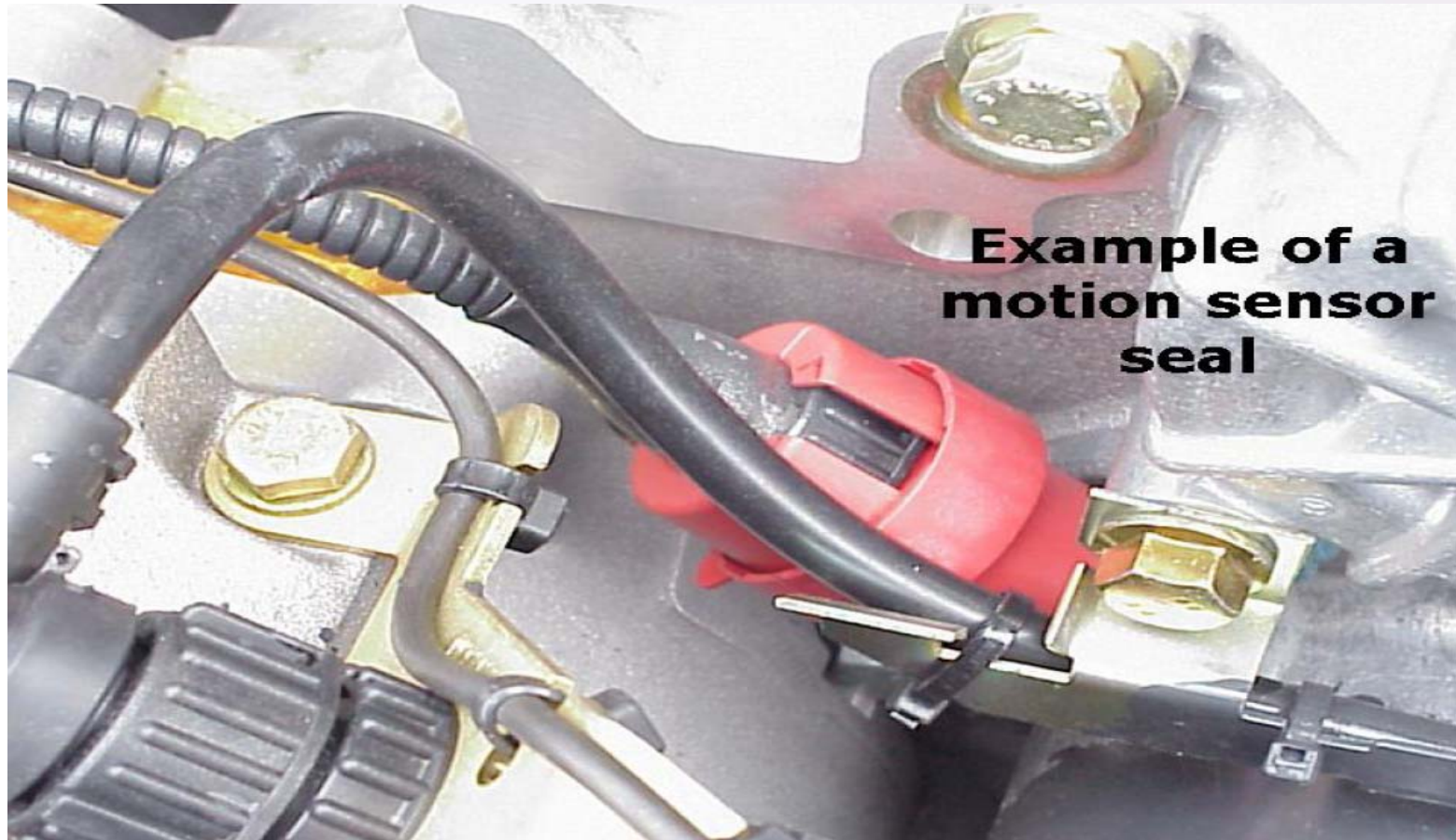


**Today: they check the seals**





**Tomorrow: they check the seals**







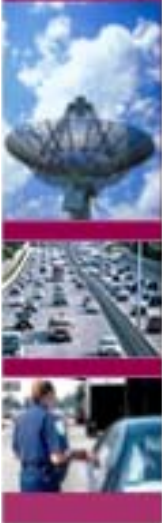




## **Today: Data Accuracy**

Dates, time, speed, distances, VRN and/or VIN, etc... These data may come from different sources but some of them, at some stages, will need to be calibrated. For example:

- when the recording equipment is installed
- when it is repaired
- when it is regularly checked







## Tomorrow: programming







# Keep The Records

Stoneridge Electronics Limited  
Manufacturers of VEEDER-ROOT Tachographs  
**TACHOGRAPH RECORD SHEET**  
This record to be kept for 6 years from tested date

Vehicle Registration E121 M38  
Date 20th April 04

Customer FIRST BUS  
Address KING ST  
ABERDEEN

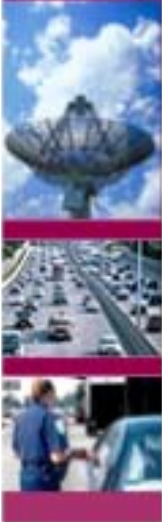
Vehicle Make Volvo  
Tyre Pressure 100 PSI  
Tyre size and make Good year  
Serial number of instrument KA3656  
813805

Tester's Signature Glenn Hogg

Calibration  
Switch Setting  
Corrector Code

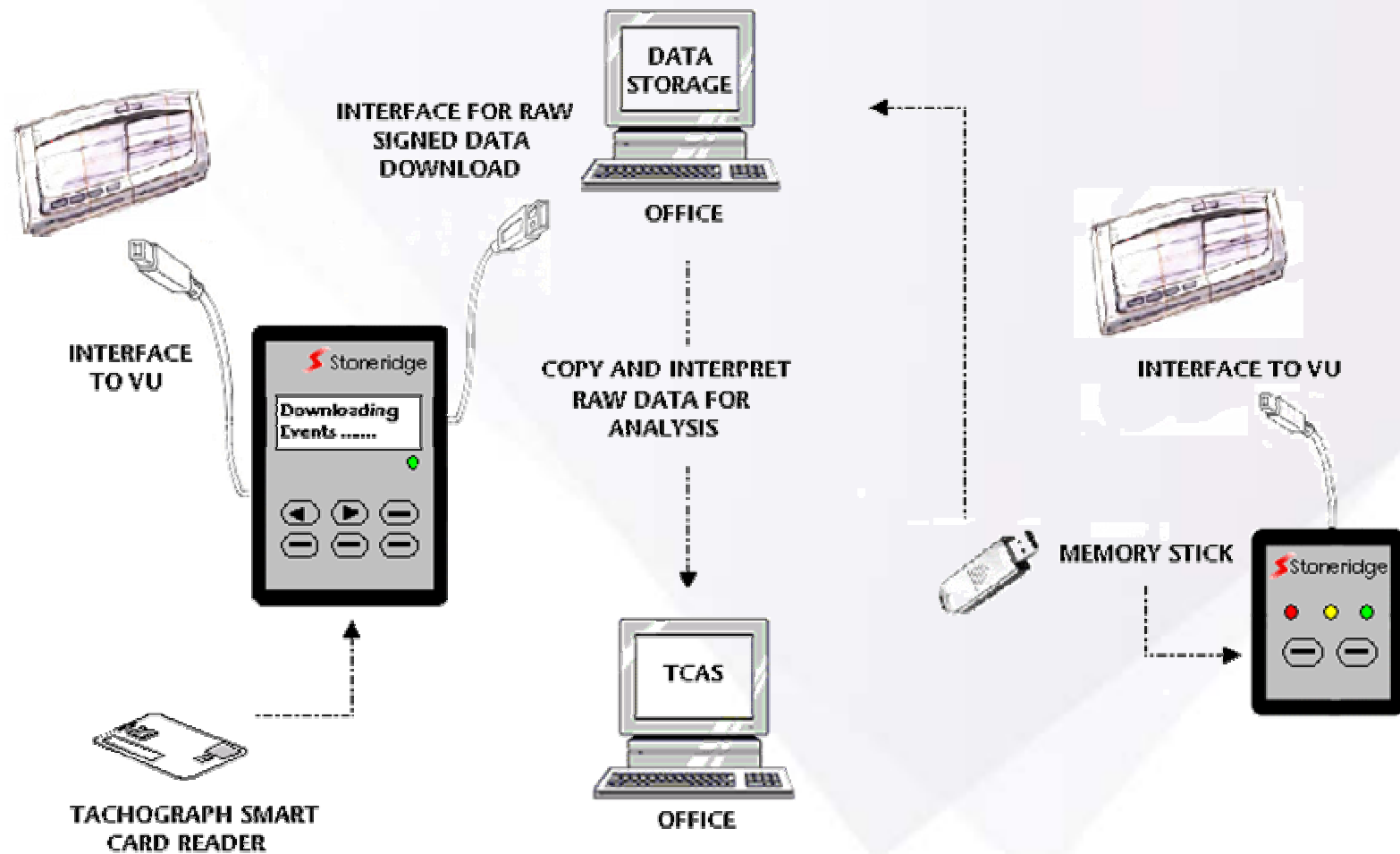
2-YR INSPECTION  
Renewal Date 31.12.105  
Calibration Plaque Inspection

MINOR REPAIRS DETAIL



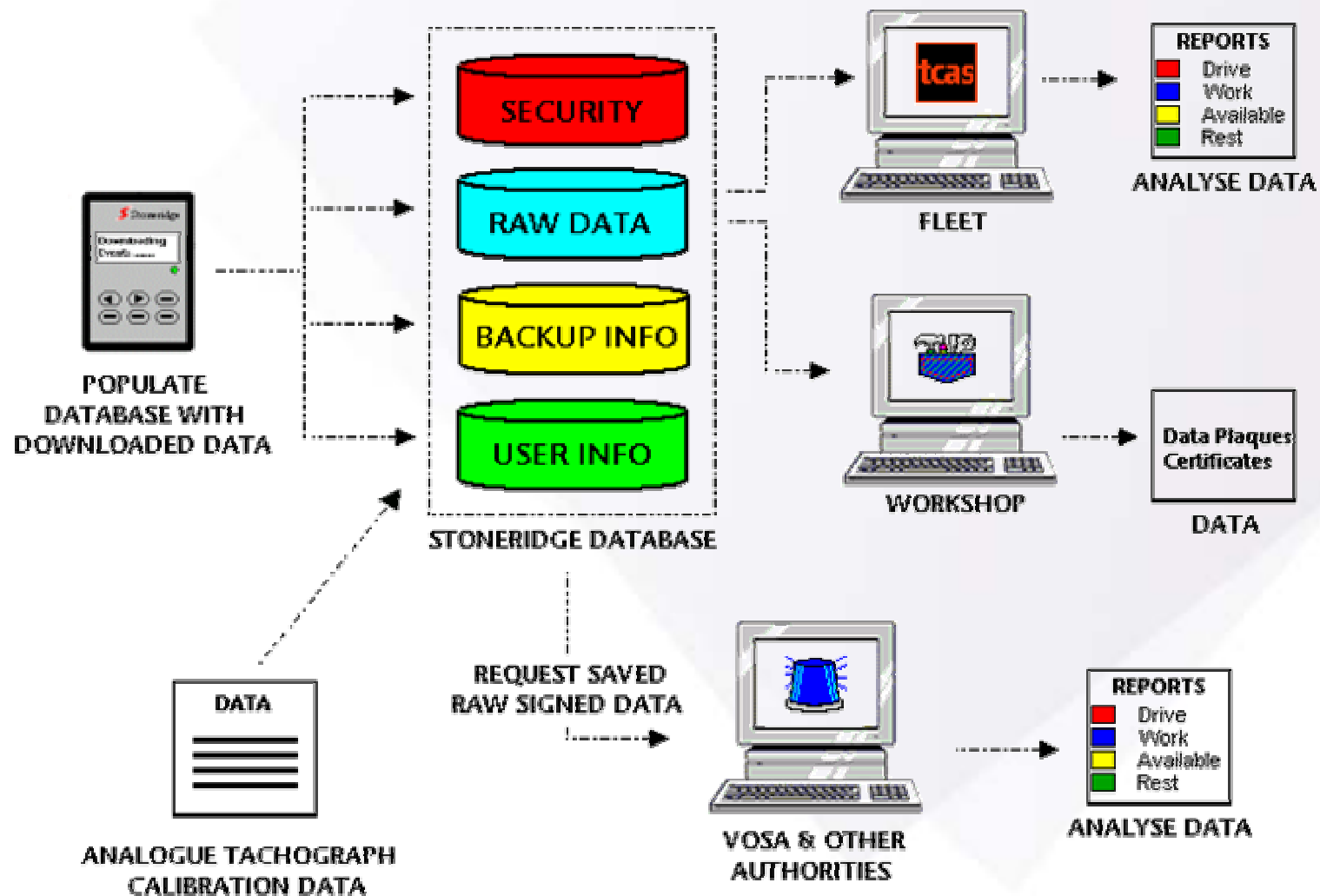


# Keep the data





# Legal Database





## Coexistence of two systems for workshops





### **National authorities need therefore to:**

- issue or amend their national laws on the approval of workshops
- ensure the proper training of fitters
- ensure to set up a sufficient network of approved workshops at their respective national level

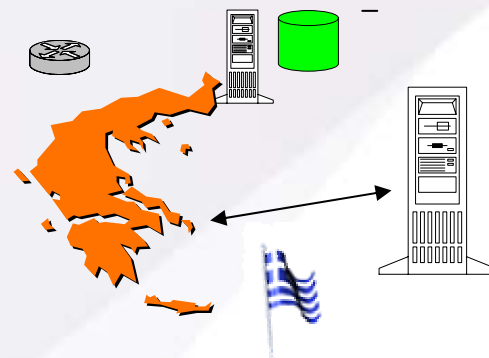
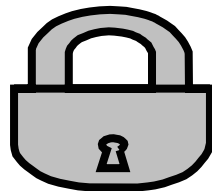
### **Timing: from 6 up to 16 months**

Work to be done in close cooperation with tachograph manufacturers





## 7. Card Issuing TACHOnet





# CARD ISSUING



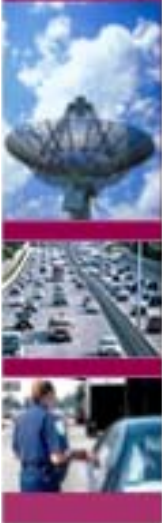




# Driver card

Personalised for use by the Driver

- 5 Year Validity Period
- Holds an average of 28 days data
- Driver must hold one card only





# Workshop card

Used by approved tachograph fitters to install, activate, calibrate and download the recording equipment.

- One year validity period
- Personalisation recommended
- Issued with a PIN







# Company card

Allows the company to 'Lock and Download Data' recorded in the vehicle unit.





# Control card

Used by enforcers to carry out roadside compliance checks.

- Personalisation recommended





## Card Application Types

First Issue - First application for a tachograph card

Replacement - Issued when a card is lost, stolen or malfunctions

Exchange - Change of administrative data

Renewal - Issued when a card is renewed after 5 years



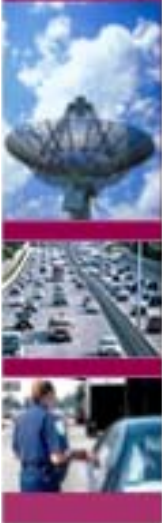




## Card Issuing Authority (CIA) Organisation

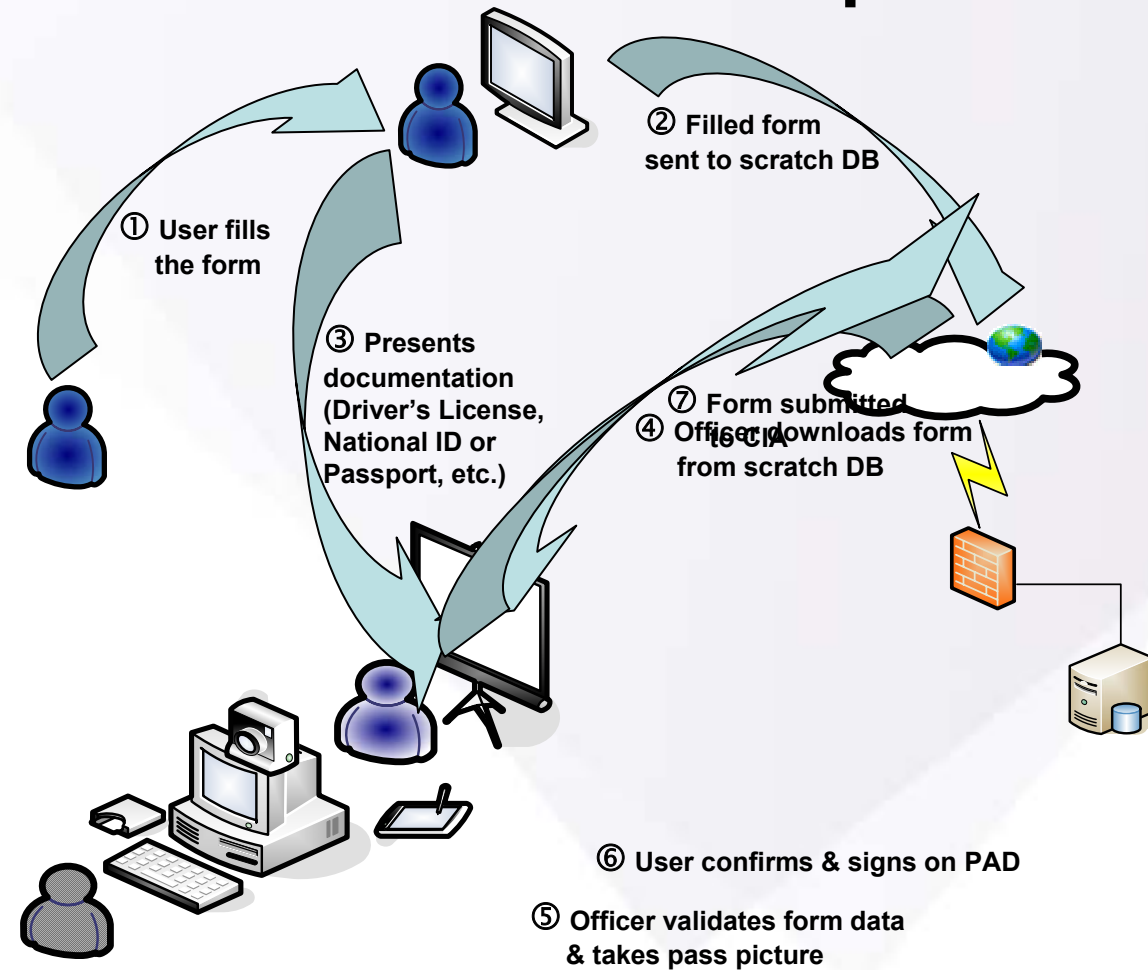
Centralised - database, application processing system, card personalisation & issue

De-Centralised - administrative desks for application processing with centralised database. Card personalisation either from central office or at administrative desks





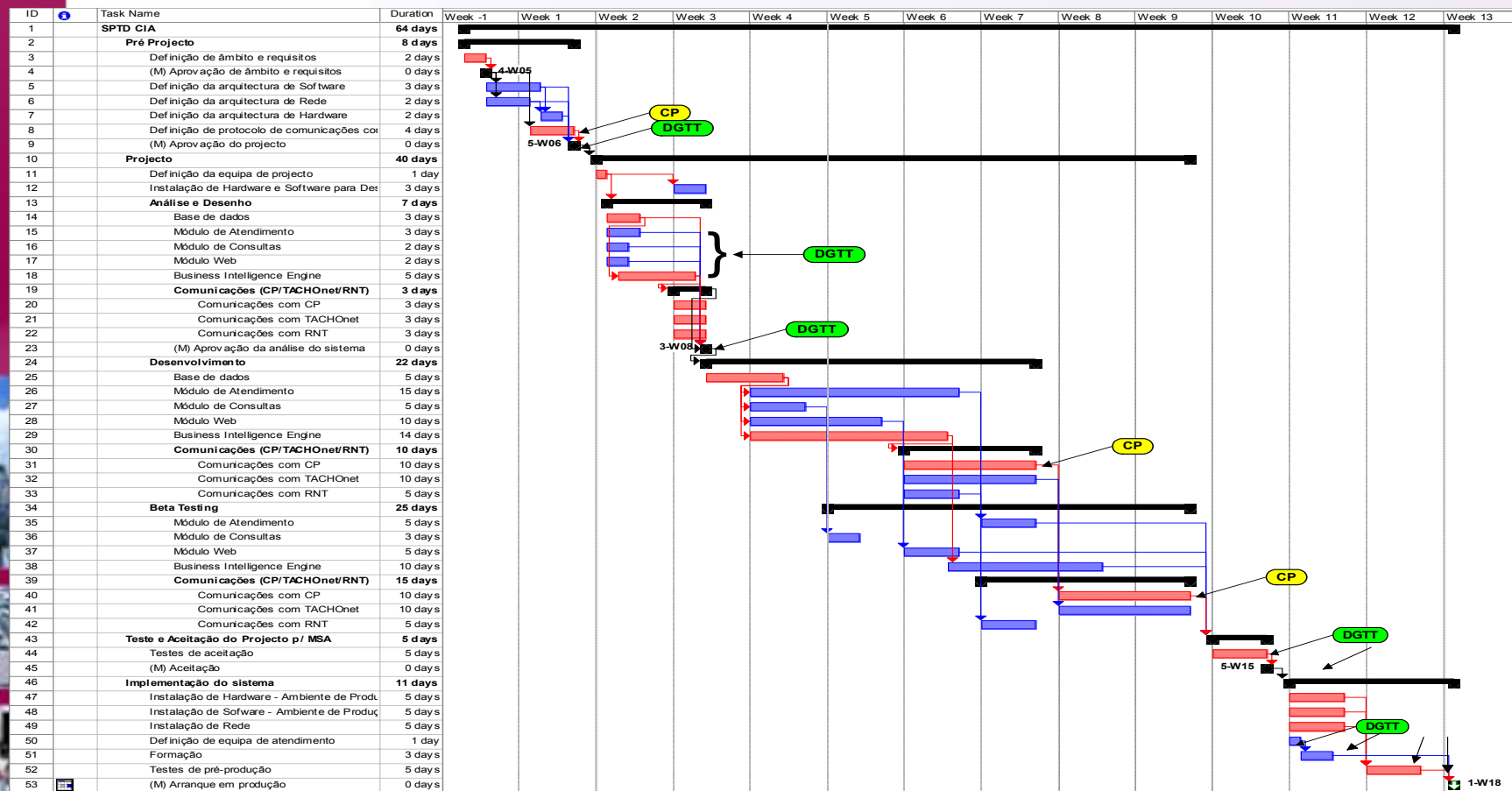
# CIA Front Office Operational concept





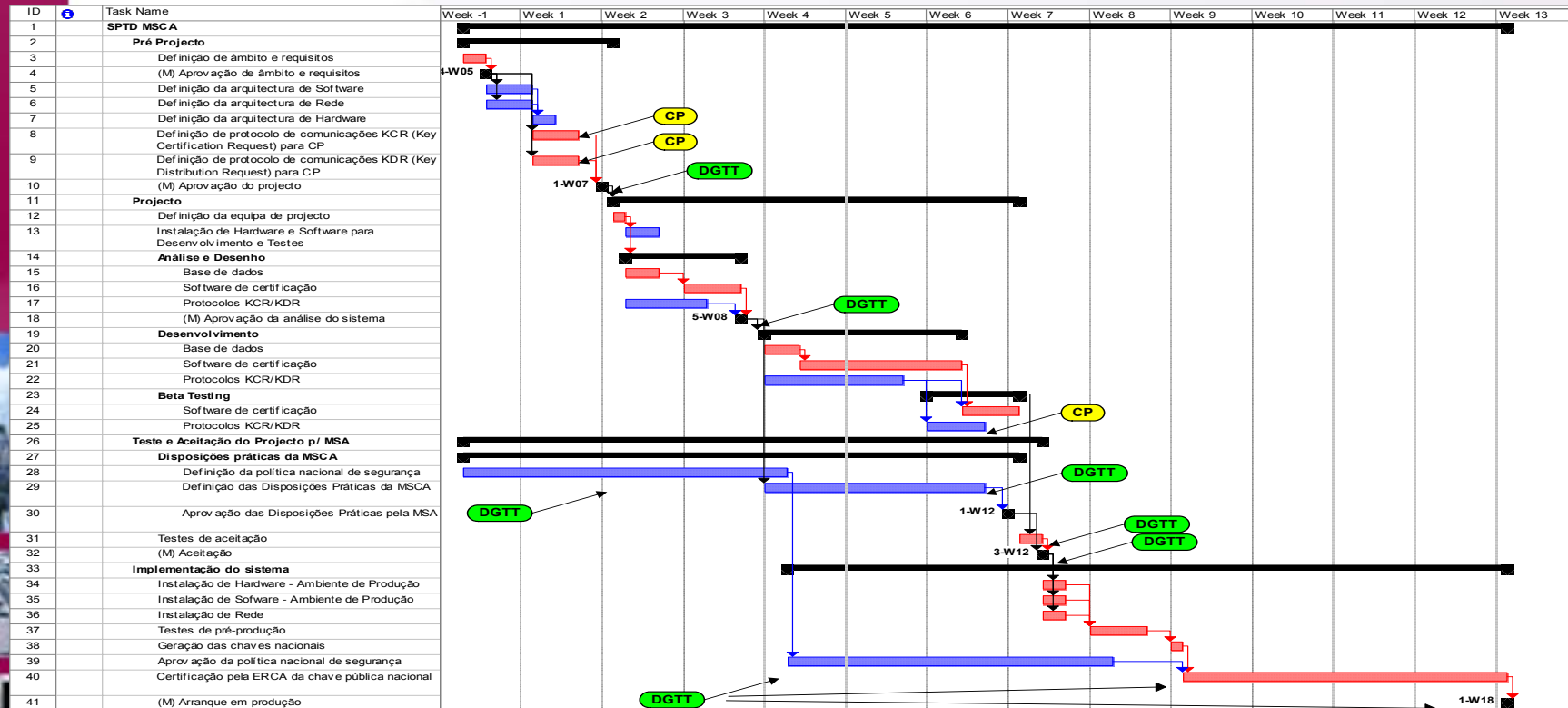


# CIA Planning





# MSCA Planning







# TACHONET







# TACHOnet Project Objectives

- Create a telematics network aiming at facilitating data exchange between national administrations in charge of issuing tachographs cards
- TACHOnet network:
  - ✓ Ensures a reliable and secure exchange of necessary and sufficient data between States issuing tachograph cards
  - ✓ Makes sure the exchange is done within the legal constraints stated in the EU-AETR rules
  - ✓ Imposes only limited constraints on the local systems managing cards in the different States

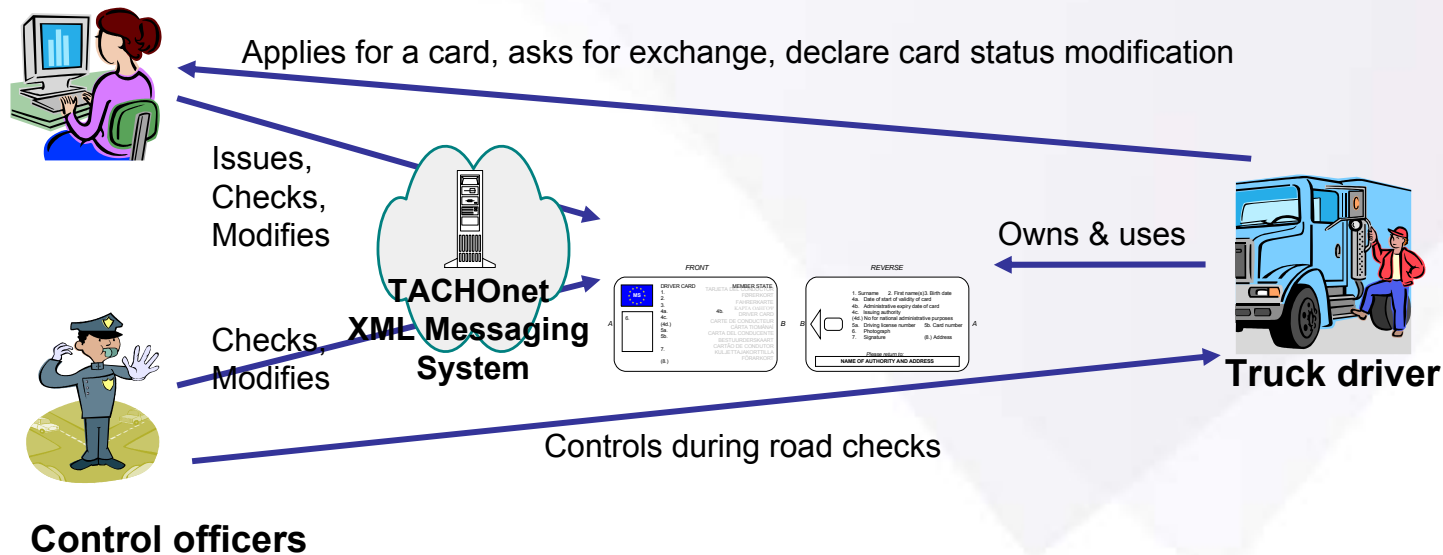




# TACHOnet Business Actors

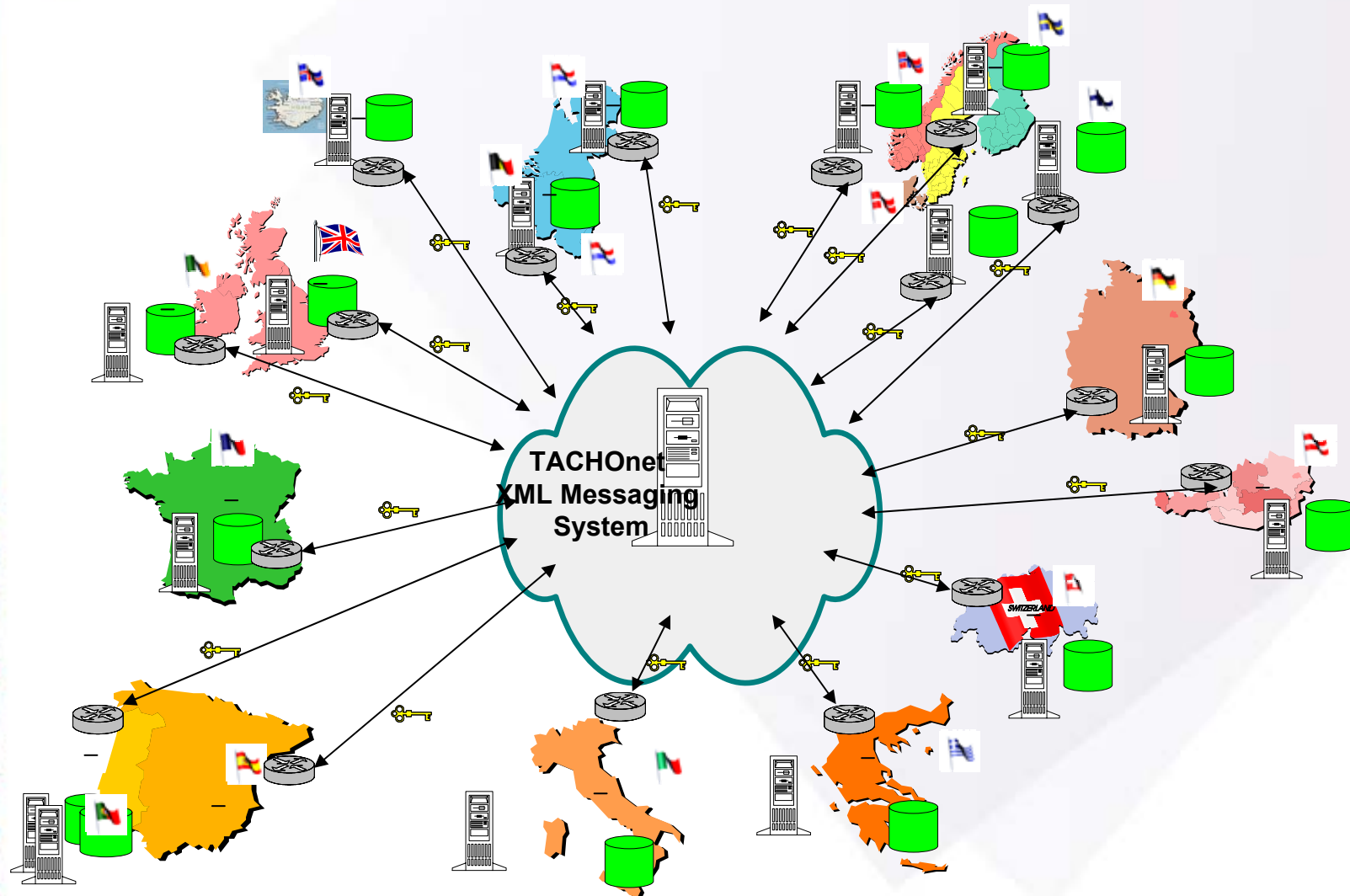
- Clerks working for National Card Issuing Authorities (CIA)
- Control officers working for National Enforcement Authorities

**Clerk @ CIA**





# TACHOnet Architecture





### **National authorities need therefore to:**

- exchange information making sure that they do not issue a card to an applicant who already holds one
- connect to TACHOnet ?
- set up an AETR net to be connected to TACHOnet ?

### **Timing: ?**

Coordination between the EC and the UN/AETR Secretariat highly recommended





## Analogue tachographs

## Digital tachographs

- **Security management**
  - Security policy**
  - Security audits**
- **Issuing of cards**
- **Connection to a net or active exchange of information between AETR Contracting Parties**





## 8. Enforcement





# Enforcement

With analogue tachographs





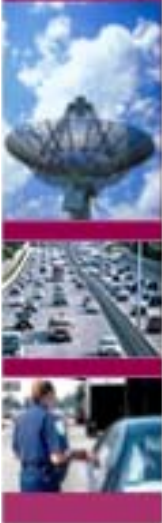
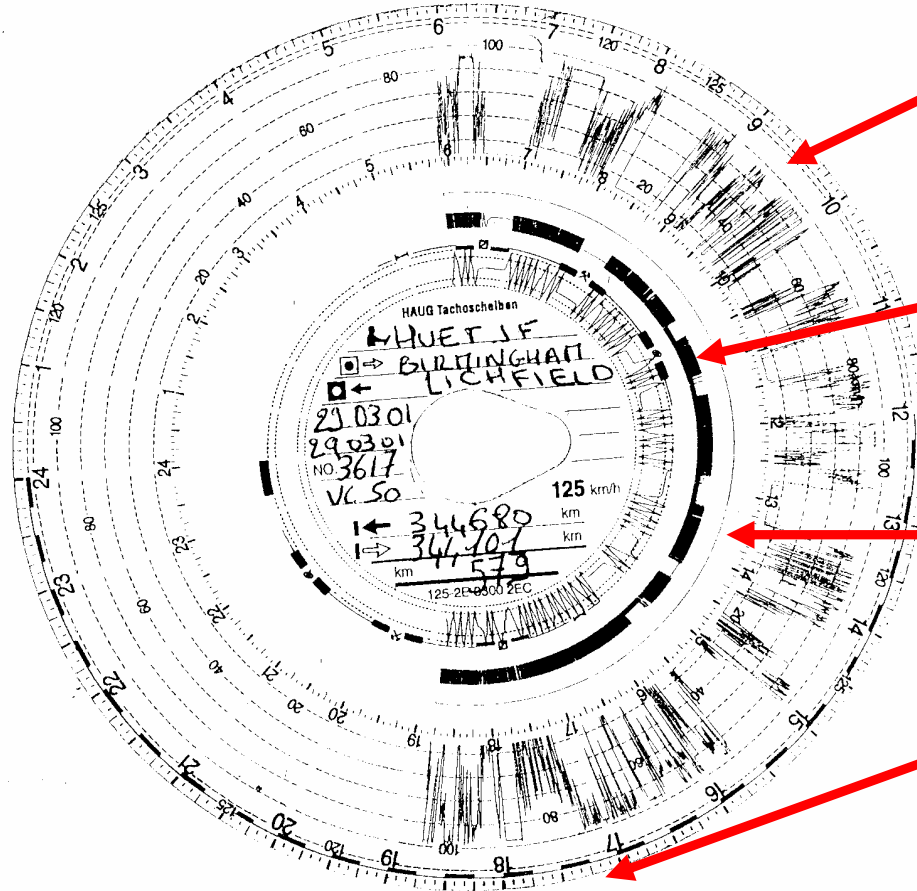
Are recorded

Speed

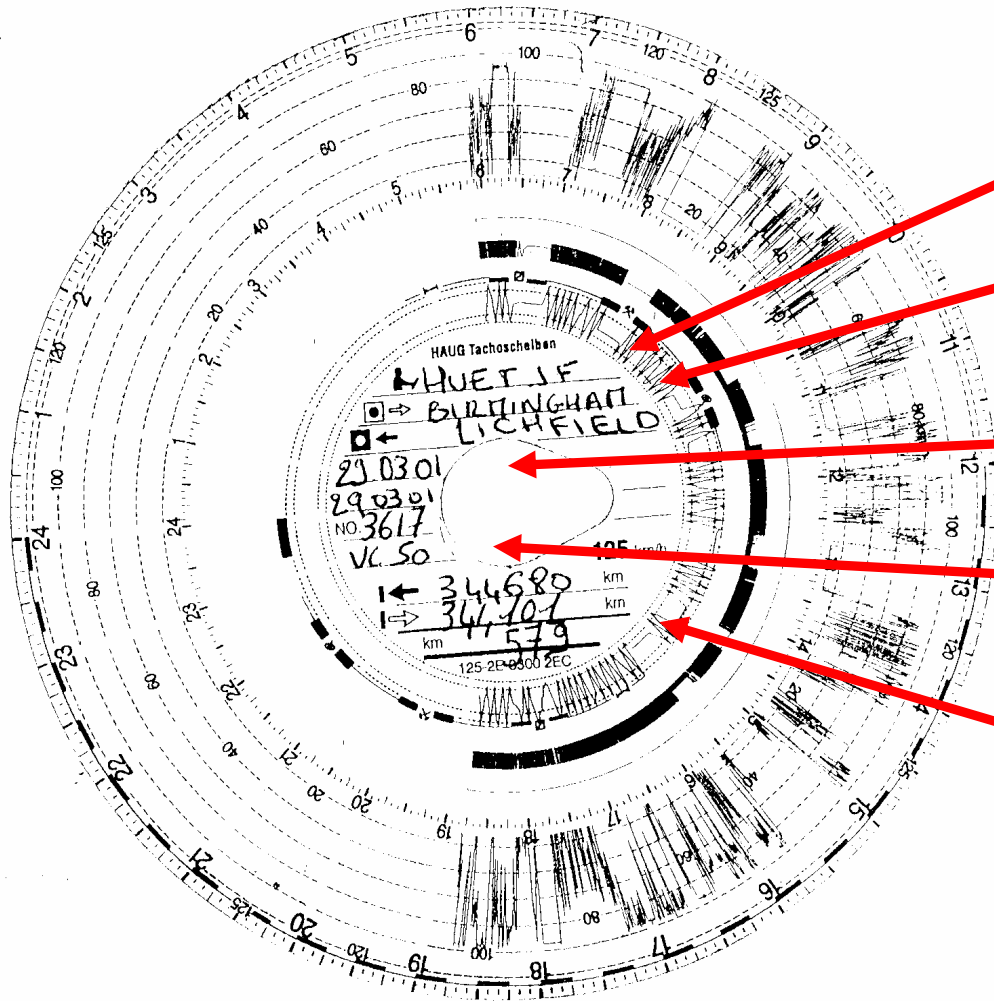
Distance

Mode of work

Time







Drivers name

Start location

End location

Dates

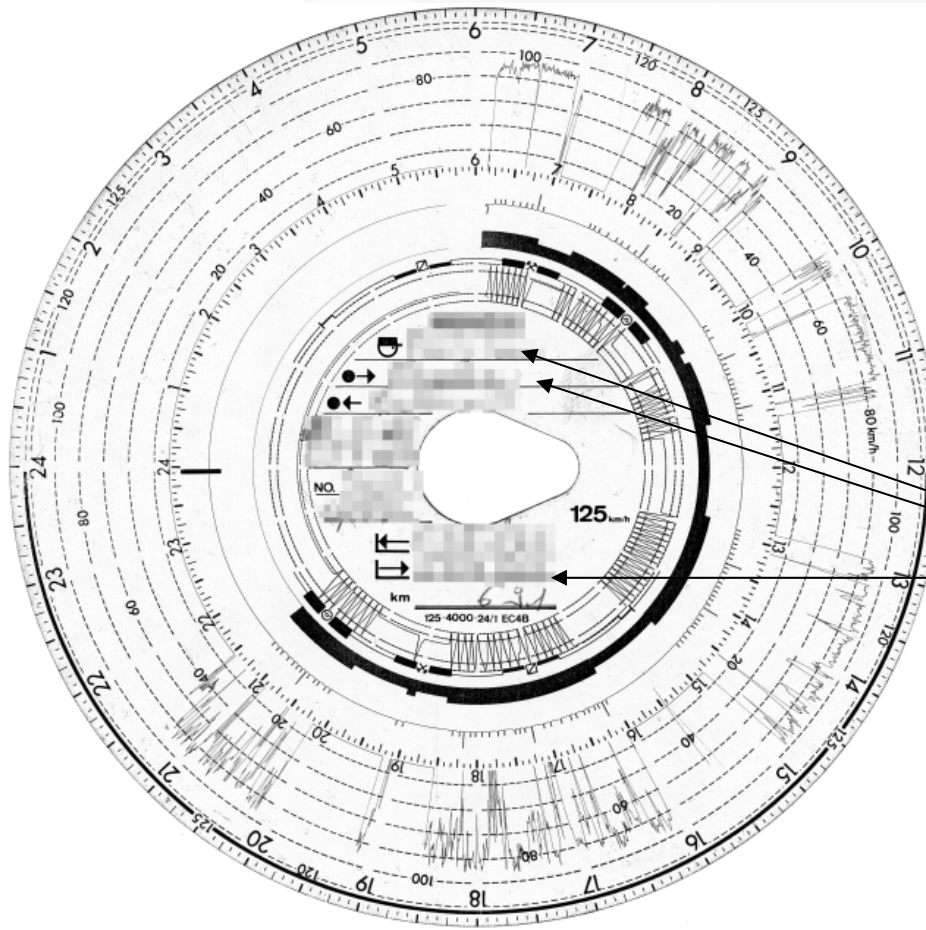
Vehicle  
registration

Odometer  
readings





## Manipulations can be detected (1)



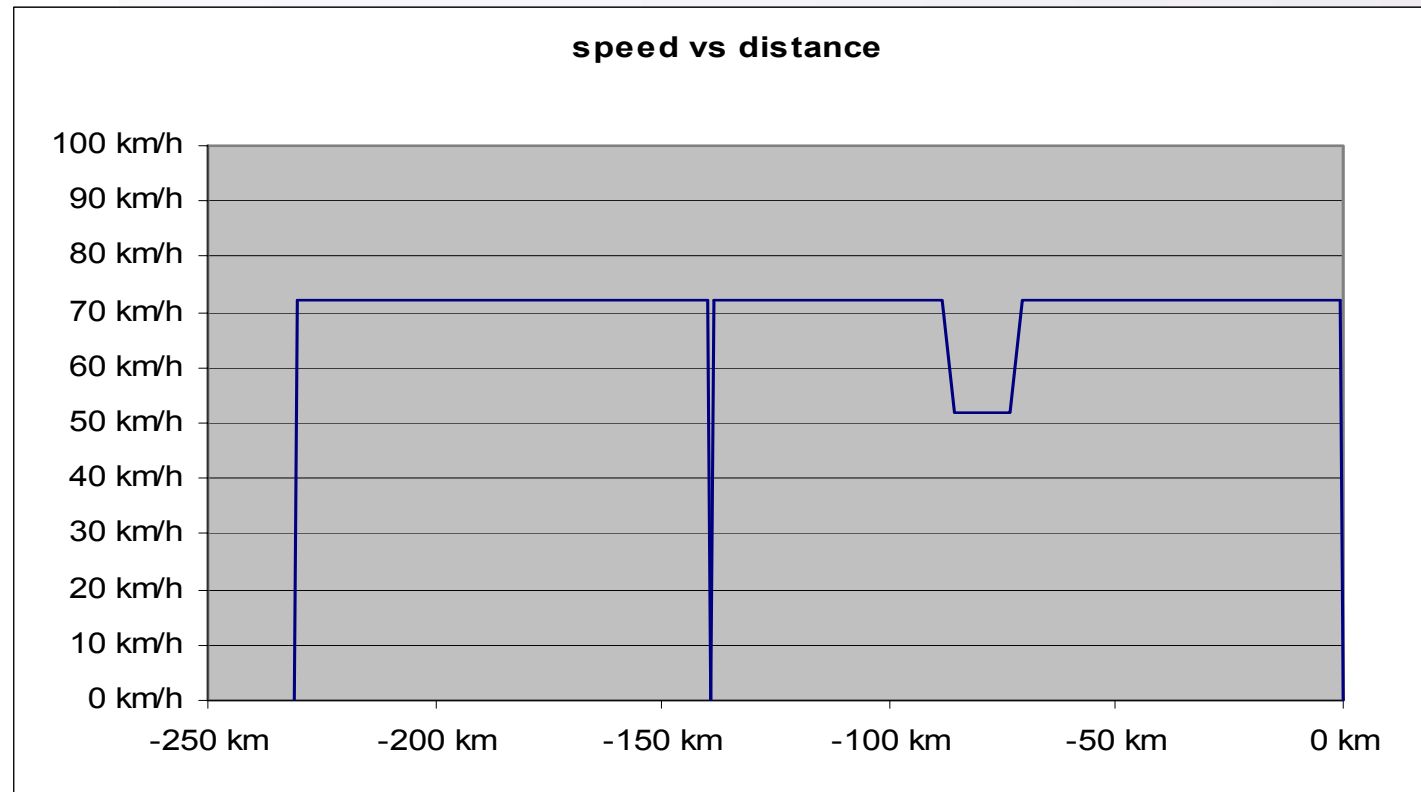
**Odometer Distance is insufficient to match geographical locations**

**Analogue Distance Trace**





Analysis software can also be used one data are scanned (1)



Digital Distance Trace





# Enforcement

With digital tachographs





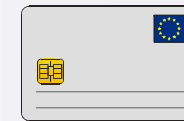


Data can be downloaded by control officers if issued with control cards



Cable

Connector



Control card







Alternative for the control officers to get access to the recording equipment's and card's data : printouts

6 types of print-outs, which can be selected through the recording equipment :

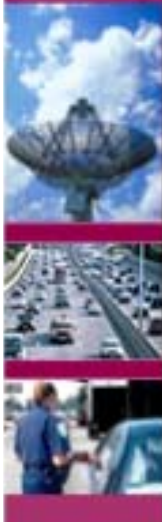
- 2 relate to the drivers' activities: one comes from the recording equipment, the other one from the driver card;
- 2 relate to the events and faults: one from the recording equipment, the other one from the driver card;
- 1 concerns the technical data (vehicle, recording equipment, etc...);
- 1 concerns the over speeding.





## Example: drivers' activities stored on the driver's card

▼ 15/10/1997 15:15 (UTC)	1 Printing - Date & Time (UTC)
-----▼-----	Delimiter Print-out general information
# DavidFish	2 Controller - Name
#■B/4803992633	Controller - Card Number
#+ .....	3 Control Place (Hand written)
■▼14/10/1997	4 Type of Print-Out (Card) & Enquiry date
■ WALSTER	5 Driver - Last Name
Nick D.	Driver - First Name
■■GB/135798642	6 Driver Card - Number
14/05/2004	Driver Card - Expiry Date
■ XAD1117483A	7 Vehicle - VIN
B/PV1772	Vehicle - Nation + VRN
Tacho-Manufacturer	8 Tachograph - Manufacturer Name
Tacho-Part-Number	Tachograph - Part Number
↑ Workshop-Name	Last Inspection/Calibration - Workshop Name
↑■GB/159482637	Workshop Card Number
↑ 05/03/1997	Date







-----B-----				Delimiter driver information
?	00:00	06:17	06h18	9 Card not inserted. Activity unknown
-----				10 Card insertion
A	B/PV1772			Insertion in VRN No
	42000 km			Odometer at card insertion
*	06:18	07:42	01h25	11 Detailed activities with
⊗	07:43	07:53	00h11	Start Time, End Time, Duration
*	07:54	08:00	00h07	
	42010 km;	10 km		12 Odometer, Distance travelled at Card withdrawal
-----				10 Card insertion
A	B/PV1772			Insertion in VRN No
	42010 km			Odometer at card insertion
*	08:01	08:13	00h13	11 Detailed activities
⊗	08:14	11:20	03h07	
h	11:21	12:33	01h13	* Rests above 1 hour marked with a star
	42263 km	253 km		12 Odometer, Distance travelled at Card withdrawal
-----				
?	12:34	14:11	01h38	9 Card not inserted. Activity unknown
-----				10 Card insertion
A	B/HKG264			Insertion in VRN No
	81000 km			Odometer at card insertion
⊗	14:12	16:03	01h52	11 Detailed activities
*	16:04	18:00	01h57	
h	18:01	18:01	00h01	
	81111 km;	111 km		12 Odometer, Distance travelled at Card withdrawal
-----				
?	18:02	23:59	05h58	9 Card not inserted. Activity unknown





```

-----Σ-----
+*06:19 F
*+18:00 E CAT

  04h59 374 km
  * 03h42 00h11
  h 01h14 ? 13h54

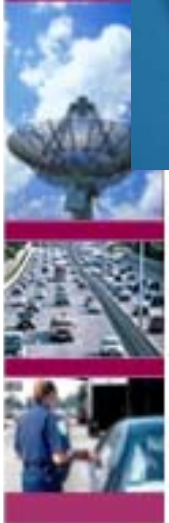
02 05h25
-----!X-----
!S12/09/1997 18:24
!12/09/1997 18:23
-----!AX-----
!n05/09/1997 06:35
0IT/836254363
XA21/08/1997 12:45
0---
XV21/08/1997 12:46
0---

. . . . .
# . . . . .
  
```

- Summary information
- 13 Start daily work time Country/Region Odometer  
End daily work time Country/Region Odometer
- 14 Activity totals
- 15 Duration of crew status
- 16 Delimiter Cards Events and Faults  
Event Security breach attempt  
Event Power supply interruption
- 17 Delimiter Vehicle Unit Events and Faults  
Event Sensor interruption  
Driver Card Number  
Fault VU  
No card inserted  
Fault Printer  
No card inserted
- 18 Driver's signature
- 19 Controller's signature



## Data analysis





## Analogue tachographs

- Roadside checks
- Company checks

based on paper discs

## Digital tachographs

- Roadside checks
- Company checks

based on paper discs

**based on print-outs**  
**based on digital data**

**New equipments required**  
**Control cards to be issued**  
**Specific training to be supplied**





### **National authorities need therefore to:**

- issue laws to allocate control officers with new powers, to regulate data download, to define under which conditions electronic data can be used before Courts, etc...
- train their control officers
- equip them appropriately

### **Timing: (6 to 24 months)**

National authorities should seek support from EU Member States and manufacturers





## 9. Data protection





## Data protection

- The digital tachograph falls under the scope of data protection rules for different reasons :
- The digital tachograph **records and stores digital data** concerning individuals (mainly drivers) as well as legal persons (transport companies and approved workshops)

*See requirements 73 to 105 b of AETR Appendix 1B*





## Data protection

- **These data are accessible** in different ways, depending on whether or not tachograph cards are used, and in case tachograph cards are used, depending on the type of cards that is used (driver, company, control or workshop cards) and of the mode of operation of the tachograph

*See requirements 007 to 11 of the AETR Appendix 1B*





## Data protection

- These data are also **downloaded** and can also be **transferred** for freight and fleet management, but also for enforcement purposes

*See requirements 149 to 151 of AETR Appendix 1B*





## Data protection

- Finally, the digital tachograph **records and stores data on tachograph cards**, to be issued to the different persons submitted to the provisions of the AETR

*See requirements 108 to 112 of the AETR Appendix 1B*







- Each tachograph card contains data, that are accessible in different ways regulated notably and mainly by the AETR as far as enforcement is concerned

*See requirements 194 to 212 b of the AETR Appendix 1B for the driver card*

*See requirements 213 to 230 a of the AETR Appendix 1B for the workshop card*

*See requirements 231 to 234 of the AETR Appendix 1B for the control card*

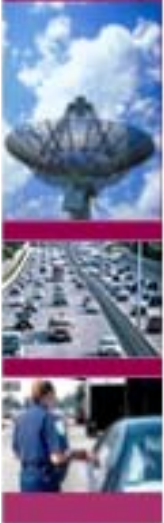
*See requirements 235 to 238 of the AETR Appendix 1B for the company card*





## Data protection

- These data, their recording, their storage, the way they can be accessed, their transfer and their use fall under the scope of the data protection rules (if any in the non EU-AETR Contracting Parties)
- Therefore, Contracting Parties which have to implement the amendments to the AETR shall make sure that their implementation scheme does not contradict their data protection rules







## Analogue tachographs

Data protection

No or few requirements

## Digital tachographs

Data protection

**Digital tachograph's and tachograph cards' data are submitted to data protection rules (if any)**





## 10. Risk management





Point 5.3.38 of the ERCA policy states that:

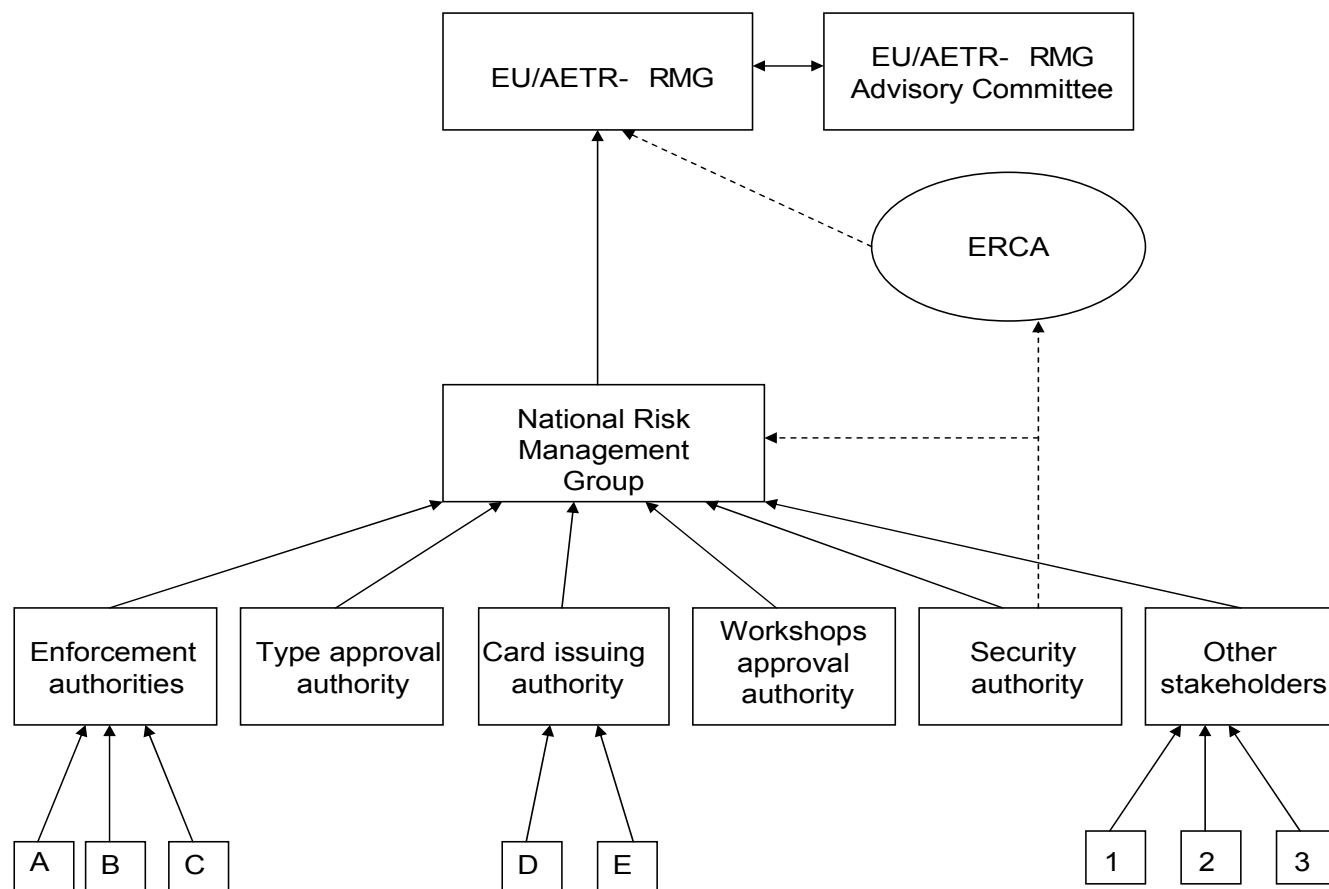
*The MSA shall establish an information security management system (ISMS) based on risk assessment for all the operations involved.*

The ERCA does not cover the overall security of the digital tachograph system



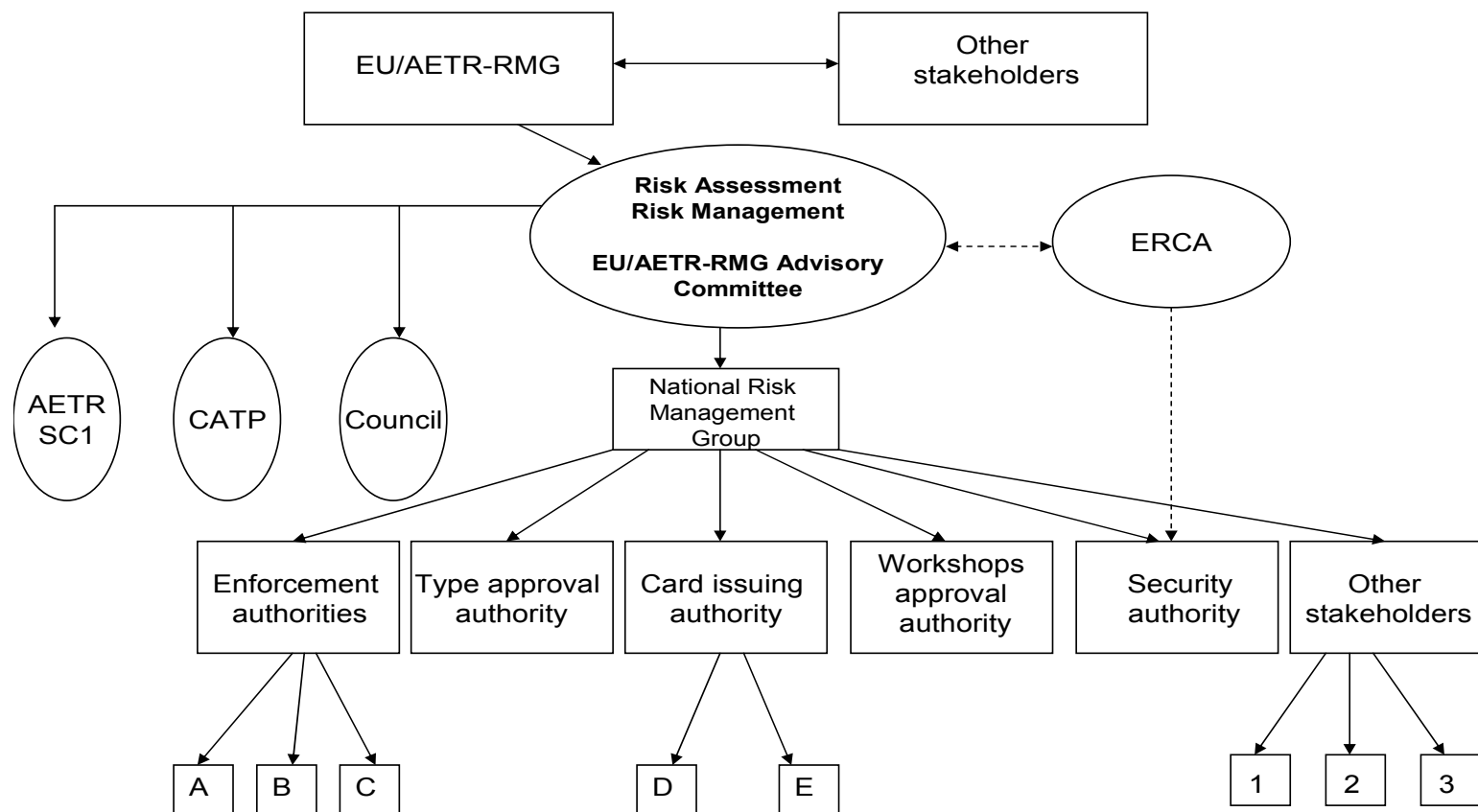


## From national authorities to the EU/AETR-RMG





## From the EU/AETR-RMG to national authorities







Analogue tachographs

Digital tachographs

Risk management

Risk management

No requirement

**Policy to be implemented and maintained**





**National authorities need therefore to:**

- put in place a national risk management policy
- nominate responsible bodies/persons
- maintain this policy

**Timing: (2 to 6 months)**





# 11. Conclusion





# **Overview of the Project Organisation**





*Steering Committee*

**Per-Arne HOLM (S)**  
**Leo HUBERTS (EC)**  
**Hanna ZELICHOWSKA (Poland)**  
**Andrew KELLY (UK)**  
**Hans DRIJER (Netherlands)**  
**Thierry GRANTURCO (MIDT Team)**

**Per-Arne HOLM (Sweden)**  
Project Leader

**Leo HUBERTS EC**  
Project Officer

**MC BONNAMOUR**  
**L. WALDNEROVA**  
Project Managers

Help desk

Training & Communication actions

Support to the new Member States

Support to the AETR countries

Plenary

*Card issuing and networking Committee*

**Hanna ZELICHOWSKA (Poland)**

**T. GRANTURCO**  
President

*Implementation policy Committee*

**Andrew KELLY (UK)**

**T. GRANTURCO**  
President

*Drivers' hours' and tachograph Enforcement Committee*

**Hans DRIJER (Netherlands)**

**T. GRANTURCO**  
President

TACHOnet User Group

Chairman: **EC-DG Tren**

Coordinator: **A. LALE**

Risk Management

Chairman: **EC-DG Tren**

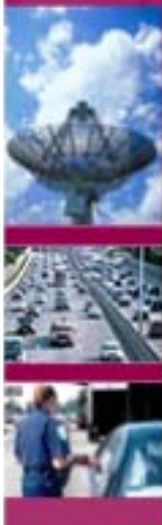
Coordinator: **A. LALE**





**Help desk in 3 languages (EN, FR, G)**

**[www.eu-digitaltachograph.org](http://www.eu-digitaltachograph.org)**







**THANK YOU VERY MUCH  
FOR YOUR ATTENTION**

