DG MOVE  
Unit C4: Road Safety

Project: Vehicle Information Platform

Questionnaire for the feasibility study of a European Vehicle Information Platform - Register Overview

Country report *<Country name>*

Authority report *<Authority name>*

|  |
| --- |
| (MOVE-VIP-QST-001) |

Abstract

**In the scope of the Vehicle Information Platform feasibility study, this questionnaire has the objective to collect all necessary information on one of the registers involved in the national Periodic Technical Inspection and Road Side Inspection processes.**

Document information

|  |  |
| --- | --- |
| AUTHOR | Unisys |
| owner | European Commission DG Mobility and Transport |
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Contents

1 Context of the vehicle information platform. 3

2 Context of the Present study 4

2.1 About the questionnaire. 4

2.2 How to complete this questionnaire 4

2.3 Important notice 4

2.4 Guarantee of Confidentiality 5

3 SPECIFIC INFORMATION ABOUT THE REGISTER <REGISTER NAME> 6

3.1 Register identification and overview 6

3.2 System data 9

3.3 Information exchange 14

3.4 System usage statistics 17

3.5 Service Level Agreement (SLA) 17

3.6 System costs 18

4 Terminology 19

4.1 Acronyms & Abbreviations 19

5 Reference and applicable documents. 20

5.1 Annex documents. 20

# Context of the vehicle information platform.

In 2010, The European Commission, Directorate General for Mobility and Transport (DG MOVE) led an Impact assessment study on Roadworthiness Package. This study was triggered by the fact that there are too many vehicles with technical defects on the road causing accidents, injuries and fatalities. The study provided evidence on the link between road safety improvement and higher roadworthiness requirements.

The study also identified two root causes of the high level of technical defects:

* The scope of the current EU legislation is too narrow and the level of requirements it sets is too low
* Concerned actors don’t exchange information and vital data for effective tests and test results enforcement

In order to increase road safety, the EU decided to update current roadworthiness regulations in order to take the vehicle’s technological evolution into account and to enable the implementation of a vehicle information data exchange platform. The purpose of this system is to exchange technical information data related to the vehicles only.

The updated regulation proposal defines how each member state (MS) competent authority shall communicate electronically the roadworthiness certificate they deliver. This updated regulation will support the data-exchange platform. One of the objectives aims towards a harmonised Periodic Technical Inspection process throughout the EU.

An important aspect of this new regulation foresees that vehicle manufacturers shall provide Periodic Technical Inspection (PTI) centres or National Authorities with the necessary technical information for roadworthiness testing.

Article 15 of the new Regulation proposal on periodic roadworthiness tests requires the Commission to examine the feasibility, costs and benefits of the implementation of an electronic Vehicle Information Platform (VIP).

The objective of this platform VIP is to enable competent authorities of MS and vehicle manufacturers to exchange technical information related to vehicle approval, vehicle registration and vehicle periodic testing.

# Context of the Present study

In June 2013, the Commission contracted Unisys Belgium to conduct the feasibility study of a Vehicle Information Platform. The study includes desk-based research and interviews with different stakeholders in MS. These last are conducted in a two-step process:

* E-mail questionnaires sent to stakeholders of MS for collecting general and specific background information on Vehicle information.
* Possible face-to-face interviews with stakeholders in MS to understand the different perspectives and gather more in-detail information where needed.

The key objective of this questionnaire is to gather information about your national organization and systems dealing with roadworthiness processes, focusing on data exchange with other MS.

This Questionnaire offers you the chance to provide the Project Team with more insights on your current organisation. Moreover, it offers you the possibility to clarify and communicate your needs and priorities in this domain.

## About the questionnaire.

The questionnaire contains 3 parts:

* Part 0 aims at having an overview of all national authorities and stakeholders taking part in the PTI and RSI process.
* Part 1 aims to understand the current national organisation in terms of vehicle approval, vehicle registration, Periodic Technical Inspection (PTI) and Road Side Inspection (RSI). This part also addresses the future national needs and requirements linked to the implementation of a Vehicle Information Platform.
* Part 2 aims to gain more information on the current registers used by the different authorities and stakeholders, and how they communicate with other systems. Future needs and requirements linked to the Vehicle Information Platform are also addressed.

This document is the second part of the questionnaire. The project team requests to have this questionnaire filled in and sent back 3 working weeks after reception.

## How to complete this questionnaire

To help you answering the Questionnaire, we have settled different kind of questions; open questions, checks boxes, and tables to be filled in. Editable paragraphs where you can provide your answers are highlighted.

Some questions give you the opportunity to provide comments or to give more explanation.

When answering the questions, please keep in mind that the purpose is to gain a clear understanding and overview on the register concerning data, functionalities and communication channels at national and EU level.

Additionally, the questions give you the opportunity to provide your comments and suggestions on vehicle information exchange with other MS.

## Important notice

For further enquiries regarding the project in general or this questionnaire, do not hesitate to send an e-mail to the following e-mailbox: VIPStudy@unisys.com.

## Guarantee of Confidentiality

This individual questionnaires will be disclosed “as-is” to the European Commission, but not “as-is” to any other party. However the findings will be consolidated in a general overview or in comparative tables for the purpose of study or trend analysis.

Personal information concerning contact names is needed for further contacts. This information will not be disclosed “as-is” to any party and will only be used by the project team in the scope of the study.

# SPECIFIC INFORMATION ABOUT THE REGISTER <REGISTER NAME>

## Register identification and overview

Please fill in information about the person replying to the questionnaire

This information is needed for the project team to have a contact name in case they would need clarifications on the responses.

Surname:

Name:

Email:

Phone (with international prefix):

Organization:

Function:

Surname:

Name:

Email:

Phone (with international prefix):

Organization:

Function:

Please complete the following register identification information:

Please ensure that the register name is also enlisted in the table 1 from the “Vehicle Information - Country Overview” questionnaire.

Register name:

Register owner:

Register objectives:

What business goals are supported by the register/system?

Please explain:

For what categories of vehicles does the system contain information, since when and what is the data retention period? Please fill in the following table.

|  |  |  |  |
| --- | --- | --- | --- |
| Vehicle category | Data stored (Y/N) | Since When  (DD-MMM-YY) | Data retention period |
| **M**  Motor vehicles with at least four wheels designed and constructed for the carriage of passengers |  |  |  |
| **N**  Motor vehicles with at least four wheels designed and constructed for the carriage of goods |  |  |  |
| **O**  Trailers (including semi-trailers) |  |  |  |
| **L**  Mopeds, motorcycles, tricycles and quadricycles |  |  |  |
| **T**  Agricultural and forestry tractors |  |  |  |

Table 1: System vehicle data storage information

Does the system handle personal data?

Please specify:

Does the system link personal data with vehicle information?

No

Yes, by which field are those data linked?

Please explain:

Does the system contain information about vehicles registered in other MS?

No

Yes, which data elements are stored?

Please explain:

### What evolutions have been already planned concerning the collection and exchange of vehicle information data?

Please specify:

### Does the system currently exchange vehicle information data with registers/systems from other MS?

Please identify the register/system names and the MS.

|  |  |
| --- | --- |
| Register/system name | MS (please enlist if needed) |
|  |  |
|  |  |
|  |  |

Table 2: System’s international exchanges

Additional comment:

## System data

### In order to help the project team to understand which vehicle information data the register currently exchanges, please identify the kind of information that is exchanged for the business processes enlisted in the table below. In order to understand the future needs, please identify and prioritize the need for the business process.

The objective is to collect detailed information on the current information exchanged between the registers and understand future needs in terms of data exchange.

For each identified business process in the following table, please specify whether specific functionality is already available in the system at the national level.

* + If yes, please specify
    - The kind of information exchanged: more detail on information will be asked in the following question
    - The name(s) of the other register(s) system(s) exchanging the information with the register the document is about
  + If no – please assign priority according to needs: 1: absolute necessity, 2: nice to have, 3: not needed.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Business process | Currently available  (Y/N) | Information exchanged | | Register/System name | Priority of the future needs (1-3) |
| 1. **Vehicle identification functionalities** | | | | | |
| * 1. Verify Certificate of Conformity with national register | *i.e: Y* | *i.e: VIN nr, CoC* | *National Type approval register*  *EU type approval register* | | *1* |
| * 1. Verify Registration document with national register |  |  |  | |  |
| * 1. Verify previous registration data with relevant national register |  |  |  | |  |
| * 1. Check for duplicates based on: |  |  |  | |  |
| * + 1. *License plate nr* |  |  |  | |  |
| * + 1. *VIN* |  |  |  | |  |
| * + 1. *Others, please specify:* |  |  |  | |  |
| * 1. Others, please specify |  |  |  | |  |
| 1. **PTI functionalities** | | | | | |
| * 1. Verify reasons for previous technical Inspection (TI), date and place TI was performed |  |  | |  |  |
| * 1. Verify previous recorded value of the odometer |  |  | |  |  |
| * 1. Obtain relevant technical information of a vehicle based on the VIN |  |  | |  |  |
| * 1. Obtain specific vehicle technical information data based on the VIN in order to perform the test for the following inspection areas: |  |  | |  |  |
| * + 1. *Braking equipment* |  |  | |  |  |
| * + 1. *Steering* |  |  | |  |  |
| * + 1. *Visibility* |  |  | |  |  |
| * + 1. *Lighting equipment and parts of electric system* |  |  | |  |  |
| * + 1. *Axles, wheels, tyres, suspension* |  |  | |  |  |
| * + 1. *Chassis and chassis attachments* |  |  | |  |  |
| * + 1. *Supplementary tests for passenger carrying vehicles* |  |  | |  |  |
| * + 1. *Other equipment, please specify* |  |  | |  |  |
| * + 1. *Nuisance (noise and emissions)* |  |  | |  |  |
| * + 1. *ABS functions* |  |  | |  |  |
| * + 1. *EBS functions* |  |  | |  |  |
| * + 1. *Airbag functions* |  |  | |  |  |
| * + 1. *Speed control* |  |  | |  |  |
| * + 1. *Tyres calibration parameter for Tachograph* |  |  | |  |  |
| * 1. Issue PTI certificate and store it |  |  | |  |  |
| * 1. Send PTI certificate to National Authority |  |  | |  |  |
| * 1. Others, please specify |  |  | |  |  |
| 1. **Road Side Inspection functionalities** | | | | | |
| * 1. Check risk score for a transport undertaking operator |  |  | |  |  |
| * 1. Verify reasons for previous RSI, date and place RSI was performed |  |  | |  |  |
| * 1. Issue RSI report and store it |  |  | |  |  |
| * 1. Send RSI report to relevant National Authority |  |  | |  |  |
| * 1. Send RSI reports to other MS |  |  | |  |  |
| * 1. Others, please specify |  |  | |  |  |
| 1. **REPORTS and STATISTICS** | | | | | |
| * 1. Send global RSI reports to other MS |  |  | |  |  |
| * 1. Send global PTI reports to other MS |  |  | |  |  |
| * 1. Send reports and statistics to EU authorities |  |  | |  |  |
| * 1. Send statistics for quality checks to the supervising authority |  |  | |  |  |
| * 1. Send reports and statistics for accident research and policy making |  |  | |  |  |
| * 1. Others, please specify |  |  | |  |  |
| 1. **Other functionalities (please add as many rows as needed)** | | | | | |
| * 1. Please specify: |  |  | |  |  |
| * 1. Please specify: |  |  | |  |  |

Table 3: System functionalities and future needs

Additional comment:

### For each kind of information specified in the previous table, please describe the details on the content of the information concerned.

The objective is to gather details on data currently exchanged with this register and future needs. Please fill in the table as following:

* Information exchanged: refer to the ‘information exchanged’ from the previous table
* Detailed information data: please specify detailed information data concerning the information exchanged
* Currently available: please identify if the information is currently available
* Future need:
  + Y: if the current information is still needed, or a missing information is needed in the future. In that case, please identify the detailed information needed.
  + N: This information is not needed in the future.

Please note that data filled in below is an example only.

|  |  |  |  |
| --- | --- | --- | --- |
| Information exchanged | Detailed information data | Currently available  (Y/N) | Future need  (Y/N) |
| *Example: CoC* |  |  |  |
|  | *VIN number* | *Y* | *Y* |
|  | *Category* | *Y* | *Y* |
|  | *Make* | *N* | *Y* |
|  | *EC type-approval number* | *N* | *Y* |
|  | *Base vehicle* | *Y* | *N* |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

Table 4: Information exchanged description

Additional comment:

Is the system using standard codes (dictionaries) for specific types of fields? Please fill in the table below:

|  |  |
| --- | --- |
| Standard codes (dictionaries) | Types of fields concerned |
| *Example* |  |
|  |  |
|  |  |

Table 5: System standard codes

Additional comments:

How is data stored in the system?

Database format: please specify:

Text file

Excel file

Other, please specify:

If the system has an indexing server, what data are indexed?

Personal data

Vehicle Identification Number

Vehicle Registration Number

PTI last inspection date

Other, please specify:

Does the current system store binary data?

No

Yes: What types of binary data are stored?

* + - * Photos
      * Scanned documents
      * Digital certificates
      * Software
      * Other, please specify:

What data security mechanism(s) is/are implemented on the systems (data at rest)?

Encryption

Signature with digital certificate

Authentication with digital certificate

Hashing

Access Control (please specify method used):

Other, please specify:

## Information exchange

In respect of the new regulation proposal, what are the requested conditions to be met in order to exchange additional PTI and RSI information?

Please explain:

### Does the system currently exchange vehicle information data with registers/systems from other MS?

Please identify the register/system names and the MS.

|  |  |
| --- | --- |
| Register/system name | MS (please enlist if needed) |
|  |  |
|  |  |
|  |  |

Is the system remotely accessible for other systems?

No

Yes, please explain to whom and under which conditions:

To what type of network is the system currently connected?

Internet

National Administration network (please specify)

sTESTA

Intranet

Other, please specify:

If the current system exchanges data with other systems, what are the channels of communication and security implemented? Please select all that apply.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Present | Current channel | | Preferred channel with VIP | |
|  | **(Y/N)** | **Encryption**  **(Y/N)** | **Signature**  **(Y/N)** | **Encryption**  **(Y/N)** | **Signature**  **(Y/N)** |
| HTTP/HTTPS |  |  |  |  |  |
| Web-services |  |  |  |  |  |
| FTP/FTPS |  |  |  |  |  |
| e-mail |  |  |  |  |  |
| Other: please specify |  |  |  |  |  |

Table 6: System communication channels description

Additional comment:

If the current system exchanges data with other systems (including import and export), what are the formats exchanged and security implemented? Please select all that apply.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Current format | | | Preferred format with VIP | |
|  | **Encryption**  **(Y/N)** | **Signature**  **(Y/N)** | | **Encryption**  **(Y/N)** | **Signature**  **(Y/N)** |
| JSON |  | |  |  |  |
| XML |  | |  |  |  |
| Binary data |  | |  |  |  |
| VIPDF |  | |  |  |  |
| Csv |  | |  |  |  |
| Excel files |  | |  |  |  |
| Other: please specify |  | |  |  |  |
|  |  | |  |  |  |

Table 7: System data format exchange

Additional comment:

How does the system allow for authentication (please select all that apply)?

Username/password

Digital certificate

Other, please specify:

Concerning data exchange, what data security mechanism(s) is/are implemented on the system?

Encryption

Signature with digital certificate

Encrypted channel

Other, please specify:

## System usage statistics

How many vehicle information records does the system contain? What is the expected annual increase (# records/year)?

Please specify:

How many single users are currently using the system?

Please specify:

How many searches and create/update/delete operations are executed by the system per year? What is the yearly growth of those operations? Please fill in the table below.

|  |  |  |
| --- | --- | --- |
|  | Search operations | Create/update/delete operations |
| Yearly number of operations |  |  |
| Yearly expected growth |  |  |
| Maximum acceptable number of operations without change of Service Level Agreements |  |  |

Table 8: System’s operations description

Additional comments:

## Service Level Agreement (SLA)

What are the SLA’s applicable to the system?

Please complete the following table:

|  |  |
| --- | --- |
| SLA | Value |
| Maximum Response time (seconds) |  |
| Availability:   * percentage / day * percentage / month * percentage / year |  |
| Maintenance:   * Defined maintenance window * Mean time to repair (MTTR) |  |
| System performance   * Minimum number of transactions/second * Maximum number of transactions/second |  |
| Other, please specify |  |

Table 9: System SLA

Additional comments:

## System costs

What are the overall costs of the system? Please complete the following table;

|  |  |
| --- | --- |
| Type of costs | Amount (€) |
| Development and implementation costs |  |
| Yearly budget for operations |  |
| Yearly budget maintenance |  |
| Yearly budget foreseen for further development |  |

Table 10: System costs

Additional comments:

# 

# Terminology

## Acronyms & Abbreviations

|  |  |
| --- | --- |
|  |  |
| **Acronym or Abbreviation** | **Meaning** |
| COC | Certification of Conformity |
| COM | The European Commission (DG MOVE) |
| DG MOVE | European Commission Directorate-General for Mobility and Transport |
| MS | Member State |
| MTTR | Mean Time to Repair |
| PTI | Periodic Technical Inspection |
| RSI | Road Side Inspection |
| SLA | Service Legal Agreement |
| sTESTA | Secure Trans European Services for Telematics between Administrations |
| VIP | Vehicle Information Platform |

Table 11: Acronyms & Abbreviations

# Reference and applicable documents.

## Annex documents.

|  |  |  |  |
| --- | --- | --- | --- |
| **ID** | **Reference** | **Title** | **Version** |
| A1 | MOVE-VIP-QST-001-Part 1 | VIP questionnaire “Vehicle Information - Country Overview” | 1.0 |

Table 12: Reference Documents

**5.2 Reference documents**

|  |  |  |  |
| --- | --- | --- | --- |
| **ID** | **Reference** | **Title** | **Version** |
| R1 | 2012/0184 (COD) | Proposal for a regulation of the European Parliament and of the Council on periodic roadworthiness tests for motor vehicles and their trailers and repealing directive 2009/40/EC | N/A |
| R2 | SWD(2012) 206 final | Roadworthiness package – Commission staff working paper on impact assessment | N/A |

\*\*\* End of MOVE-VIP-QST-001