



*Federal Public Service  
Mobility and Transport*

DIV – Expose Data

Requirements External Stakeholders

Case Titular <sup>v1</sup>

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## Document history

### Revisions

v1	12/2019	Base version	
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### Related documents

	DIV Expose Data - API-Service Registered Titular	Detail functional specifications
	DIV Expose Data - API-Service Crossborder Titular	Detail functional specifications

# 1 Introduction

This document describes the requirements for the external stakeholders within the context of DIV Expose Data.

Initially the list of requirements is based on requirements derived from the AS-IS interfaces; this to fully support the functionality of the AS-IS. It's not the main goal to deviate a lot from those AS-IS requirements, however the achieved list can be revised by internal and external stakeholders.

In addition of the list of requirements, the related use-cases have been defined.

## 2 Requirements

### 2.1 Groups of external stakeholders

Mainly three groups of external stakeholders can be defined, based on their kind of requests;

- Group 1: request registered titular information for inspection and/or making fines,
- Group 2: request registered vehicle-information to support specific activities within the mobility sector,
- Group 3: request registered overall information for purposes like there are taxation, history- and study-needs.

An external stakeholder can have needs causing he can be linked to one or more of the above groups.

### 2.2 Data domains

The following data-domains can be recognized;

- **Registered Titular:** registration related titulars (persons and organizations), including limited registration- and limited vehicle-data,
- **Crossborder Titular:** titular data not registered at the DIV.

## 2.3 Functional Requirements

Requirement ID	Description	Remarks
	Registered Titular	
FUN1.01	A service must allow the stakeholder to request the <b>current</b> registered titular information based on a plate number or on a vehicle identification number (combination VIN and unifier). Besides titular-information the service will return also some basic attributes regarding registration- and vehicle-information.	Stakeholder group 1
FUN1.02	A service must allow the stakeholder to request the <b>historical</b> registered titular information based on a date in the past. This is in extension of requirement FUN1.01.	Stakeholder group 1
	Crossborder Titular	
FUN5.01	A service must allow the stakeholder to request the <b>current</b> titular information based on a country code and a foreign plate number.	Stakeholder group 1
FUN5.02	A service must allow the stakeholder to request the <b>historical</b> foreign titular information based on a date in the past. This is in extension of requirement FUN5.01.	Stakeholder group 1
	[Common]	
FUN9.01	The service will return only attributes following the protocol defined for the stakeholder and legal purpose.	
FUN9.02	When appropriate the service will allow to pass a preferred language to have code-related descriptions/labels returned.	

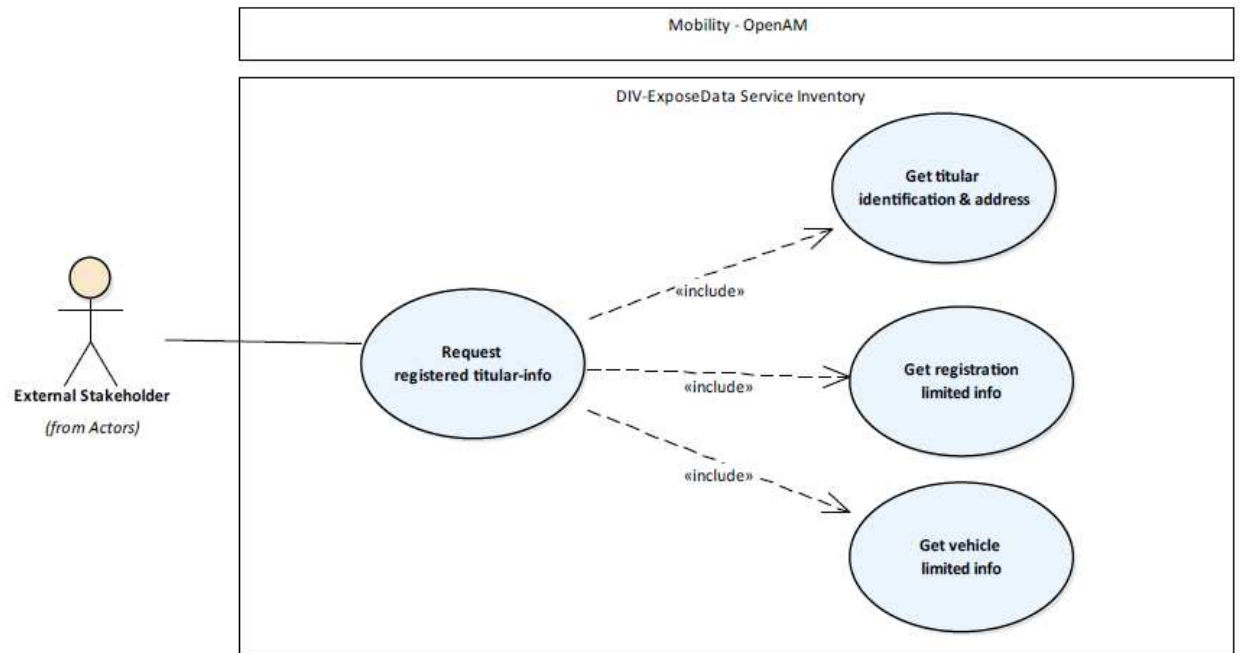
## 2.4 Non-functional Requirements

The following non-functional or quality requirements are listed as being relevant for external stakeholders. Note internal quality requirements have not been listed here.

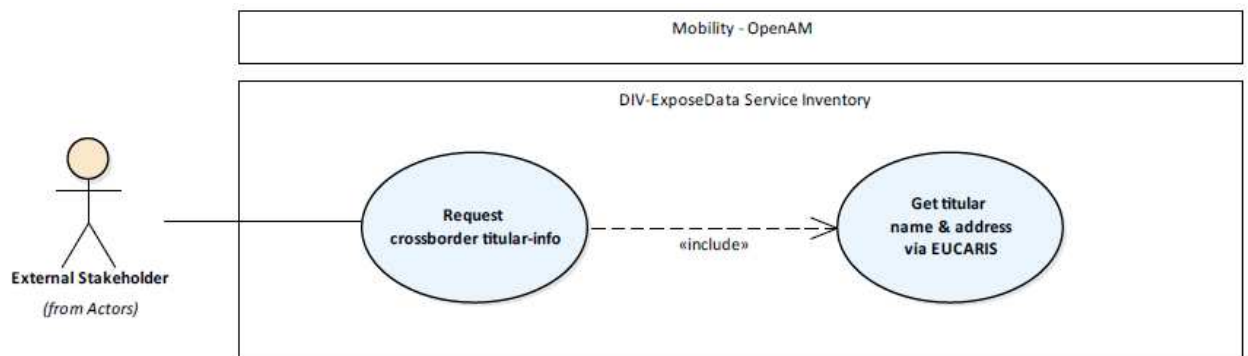
Requirement	Description	Feedback stakeholder
Availability	The degree to which the service is operable and accessible when required for use, often expressed in terms of percent of time the solution is available.	
Functionality	The degree to which the service functions meet user needs, including aspects of suitability, accuracy, and interoperability.	
Performance	The degree to which the service performs its designated functions with minimum consumption of resources. Can be defined based on the context or period, such as high-peak, mid-peak or off-peak usage.	
Reliability	The ability of the service to perform its required functions under stated conditions for a specified period of time, such as mean time to failure of a device	
Usability	The ease with which a user can learn to use the service	

## 3 Use-Case Diagrams

### 3.1 Request Registered Titular Info



### 3.2 Request Crossborder Titular Info



## 4 Use-Case Details

### 4.1 Common

	Contains the following steps...	Remarks
Pré-steps	<ul style="list-style-type: none"><li>Authenticate the requestor</li><li>Check the passed legal-purpose (protocol)</li><li>Check the combination of the passed arguments</li></ul>	Executed for every main use-case
Post-steps	<ul style="list-style-type: none"><li>Filter the gathered data based on the protocol defined for the requestor and legal purpose</li><li>Log the request</li><li>Return the filtered data</li></ul>	Executed for every main use-case

### 4.2 Request Registered Titular Info

#### 4.2.1 Realized requirements

- FUN1.01
- FUN1.02

#### 4.2.2 Basic flow

The main scenario

Contains the following steps... based on your protocol (*)	Remarks
<ul style="list-style-type: none"><li>Perform the common pré-steps</li><li>Get the identification and the available address of the titular</li><li>Get limited attributes from the registration data-domain</li><li>Get limited attributes from the vehicle data-domain</li><li>Perform the common post-steps</li></ul>	(**) to be confirmed

#### 4.2.3 Input and output data

Input data do concern the values which can be passed as arguments to the service-call. Output data is the structure of the data or result-set to be returned.

##### Input

Plate number	The plate number of the vehicle
Vin	The vehicle identification number of the vehicle
Unifier	A sequence number (Belgian) to make the vin 100% unique
Date	The date where for the data are requested
Language	The language for which the related reference-descriptions should be returned

Note arguments only can be used following the protocol.

##### Output

See the next paragraph specifications API-service.

#### 4.2.4 Specifications API-Service

The webservice specification documents will contain the detailed description of the functionality and the data-contract.

Please refer to the following document for a complete description;

*DIV Expose Data - API-Service Registered Titular*



## 4.3 Request Crossborder Titular Info

### 4.3.1 Realized requirements

- FUN5.01
- FUN5.02

### 4.3.2 Basic flow

The main scenario

Contains the following steps...	Remarks
<ul style="list-style-type: none"><li>• <i>Perform the common pré-steps</i></li><li>• Get the name and the address of the titular via the EUCARIS-platform</li><li>• <i>Perform the common post -steps</i></li></ul>	

### 4.3.3 Input and output data

Input data do concern the values which can be passed as arguments to the service-call. Output data is the structure of the data or result-set to be returned.

#### Input

Country	The plate number of the vehicle
Plate number first part	The plate number of the vehicle full or first part
Plate number second part	The plate number of the vehicle second part. Is optional; mandatory for Germany.
Date	The date where for the data are requested

#### Output

See the next paragraph specifications API-service.

### 4.3.4 Specifications API-Service

The webservice specification documents will contain the detailed description of the functionality and the data-contract.

Please refer to the following document for a complete description;

*DIV Expose Data - API-Service Crossborder Titular*

## 5 API-Services & Authentication

The authentication of the stakeholder will be achieved by use of Open-AM and OAuth.

The following header-parameters can or should be foreseen;

Organisation	This parameter contains the identification of the organization executing the request	A KBO/BCE-number; It is the official 10-digit company number as known in the official company register. Mandatory.
Target-Organisation	This parameter contains the identification of the organization for which the information is intended or from which the information is coming.	A KBO/BCE-number. Mandatory.
Application	This is a description of the requesting business application. This description will be agreed and predefined by SPF Mobility&Transports and is based on the business authorization to the target_organisation.	Mandatory.
User-Id	This parameter needs to assure to be able to identify the person or the organizational unit who is executing the request. This identification needs to be done by the users own organization. This parameter is kept in the logs and when necessary (for example in case of a legal investigation) the organization needs to be able to identify the user or unit. In case the request is not initiated by an individual user or unit, then an identifiable name of the automated process should be entered.	Mandatory. Preferable <u>not</u> the nationalID of the person.
User-Organisation	The identification of the organization of the user.	A KBO/BCE-number. Mandatory.
User-Reference	A reference assigned by and meaningful to the user.	
Accept-Language	This parameter specifies the language in which multi valued properties of the response should be returned. Available values : nl, fr, en, de	

**Note the above services will be accessible only when allowed by the business protocol.**