



*Federal Public Service
Mobility and Transport*

DIV – Expose Data
Requirements External Stakeholders
Case Movement _{v1}

Inhoud

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Document history

Revisions

v1	12/2019	Base version	
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Related documents

	DIV Expose Data - API-Service Movement Indications	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 DIV registers data which can be divided in following data-domains;

- **Registration:** information containing registration-data, related titular- and limited vehicle-data,
- **Registered Vehicle:** data of vehicles registered at the DIV,
- **Movement Indication:** an indication of a modification of data within the above domains.

2.3 Functional Requirements

Requirement ID	Description	Remarks
FUN8.01	A service must allow the stakeholder to receive for a specific date the unique key-values of data-domains (Registration-license & certificate, Vehicle) where for registered data has been created or modified on that date.	Stakeholder group 2 & 3
	Movement Indication – Registration data	
FUN8.01.1	The service should allow to ask plate-references for new registrations, modified registrations indicating modified license-data or modified vehicle-data, transferred registrations, plates unregistered and registrations crossed-out.	Stakeholder group 2 & 3
FUN8.01.2	The service should allow to ask plate-references for registered new vehicles, registered 2 nd -hand vehicles and vehicle modified data for vehicles which are subject to kilometer-follow-up (*).	Car-pass -related
	Movement Indication – Vehicle data	
FUN8.01.3	The service should allow to ask vehicle-references of preregistered vehicles which have been newly preregistered or which data have been modified.	Stakeholder group 2 & 3
FUN8.01.4	The service should allow to ask vehicle-references of destroyed vehicles, including the <i>undone</i> of destroyed vehicles	Stakeholder group 2 & 3
	Movement Indication – Special context	
FUN8.01.5	The service should allow to ask plate-references of registrations which have been indicated as not having a proof of insurance.	
FUN8.01.6	The service should allow to ask plate-references of registrations of special plates	TO-BE-CONFIRMED
FUN8.01.7	The service should allow to ask plate-references of registrations of commercial plates	TO-BE-CONFIRMED
	[Common]	
FUN9.01	Each service will return only attributes allowed by the business 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

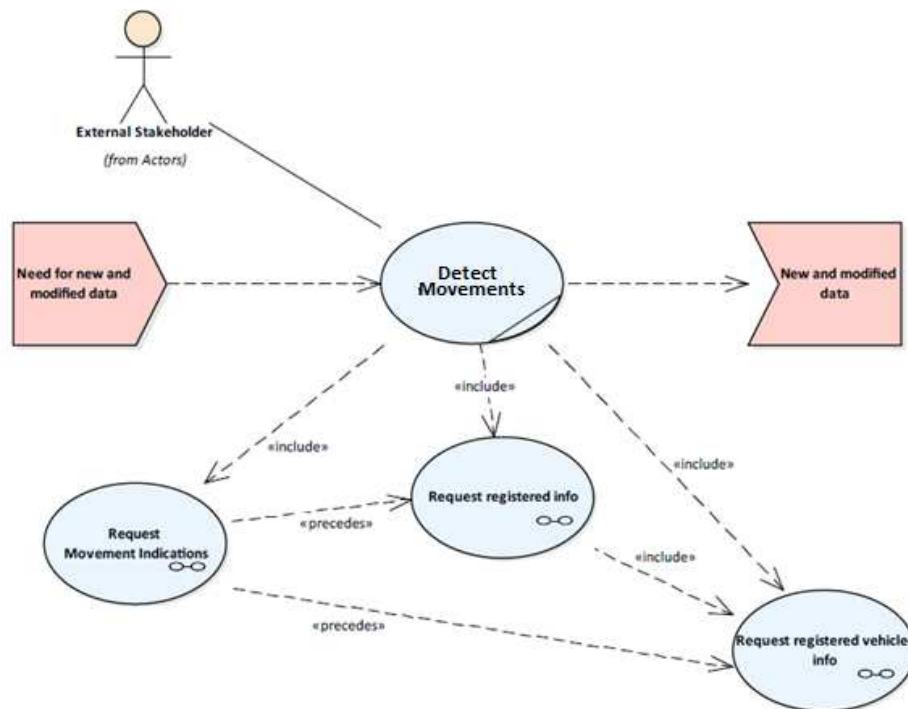
The following non-functional or quality requirements are listed as being relevant for external stakeholders. Note internal quality requirements have not been listed here.

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	

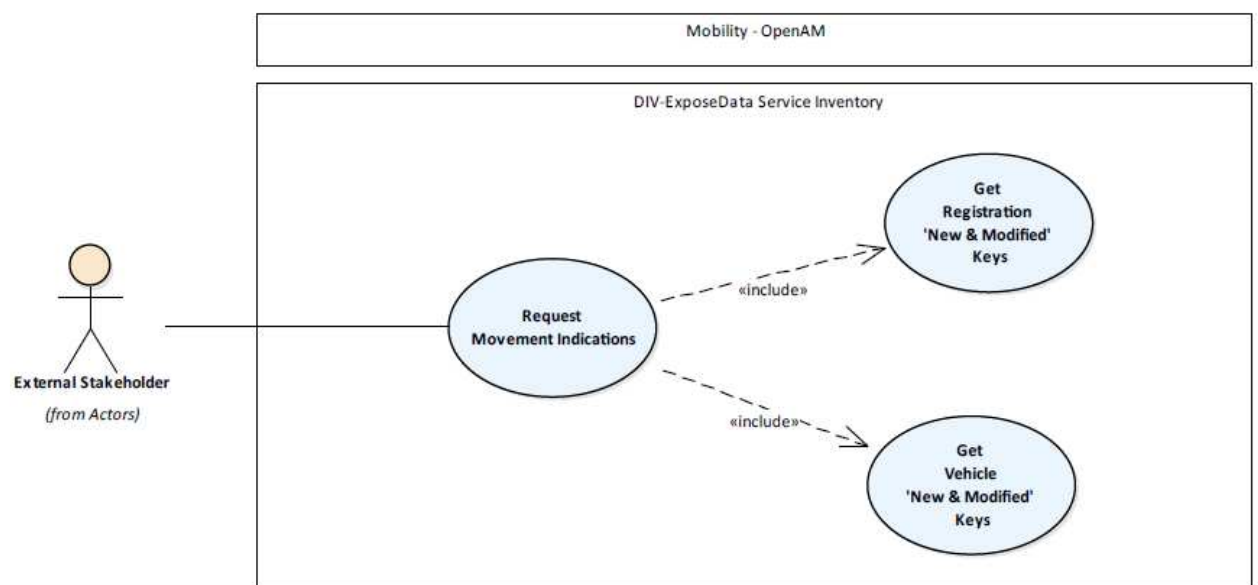
3 Use-Case Diagrams

3.1 Detect Movements

3.1.1 Goal UseCase



3.1.2 Request Movement Indications



4 Use-Case Details

4.1 Common

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

4.2 Request Movement Indications

4.2.1 Realized requirements

- FUN8.01, including FUN8.01.1 and FUN8.01.2

4.2.2 Basic flow

The main scenario

Contains the following steps...	Remarks
<ul style="list-style-type: none"><i>Perform the common pré-steps</i>Log the requestOptionally, filter-criteria can be setGet the key-references of the registration data domain for which data has been created or modifiedGet the key-references of the vehicle data domain for which data has been created or modifiedReturn the collected references	

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

Date	The date where for the movements are requested
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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 Movement Indications

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.