



*Federal Public Service
Mobility and Transport*

DIV – Expose Data
Specifications API-Service
Request Movement Indications v1

Inhoud

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Document history

Revisions

v1	12/2019	Base version	
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Related documents

Technical	DIV Expose Data – OpenAPI -specifications Movement Indication Service	

1 Introduction

This document contains the functional specifications for the API-service 'Request Movement Indications' within the service inventory of DIV Expose Data.

Functionality

This service does expose indications by specific reference-keys, of either new objects been created or either existing objects been modified, for the data-domains Registration and Vehicle.

These indications will be based on a daily occurrence.

Goal is that based on the reference-keys the related detail-information of each reference is requested by the appropriate API-service 'Registration' or 'Vehicle'.

Technology

The service is implemented based on REST-standards. It will return data in JSON-format.

2 Service Interface Description

2.1 Authentication

See the requirements document, paragraph 'API-Services & Authentication'.

2.2 Resource

Available resources	Description
MovementIndications	This resource contains all movement-indications

2.3 Operations

This section describes the available URI's.

URI	Description
Registration-related [*] [**]	
/movementIndications/registrationsNew	Accesses the resource indications of registrations newly registered
/movementIndications/registrationsChangedDataLicense	Accesses the resource indications of registrations with a changed license-related data
/movementIndications/registrationsChangedDataVehicle	Accesses the resource indications of registrations with a changed vehicle-related data
/movementIndications/registrationsTransferred	Accesses the resource indications of registrations with indication transferred
/movementIndications/registrationsUnregistered	Accesses the resource indications of registrations newly unregistered
/movementIndications/registrationsCrossedOut	Accesses the resource indications of registrations crossed-out
Registration-related within ODO-meter -context	
/movementIndications /registrationsNewOnNewVehiclesOdometer	Accesses the resource indications of registrations newly registered concerning new vehicles subject to KM-follow-up
/movementIndications /registrationsNewOnSecondhandVehiclesOdometer	Accesses the resource indications of registrations newly registered concerning 2 nd hand vehicles subject to KM-follow-up
/movementIndications /registrationsChangedDataOnVehiclesOdometer	Accesses the resource indications of registrations with changed vehicle data concerning vehicles subject to KM-follow-up
Vehicle-related	
/movementIndications/vehiclesDestroyed [**]	Accesses the resource vehicles newly indicated as destroyed
/movementIndications/vehiclesDestroyedUndone [**]	Accesses the resource vehicles newly indicated as undone destroyed
/movementIndications/vehiclesPreregisteredNew	Accesses the resource pre-registered vehicles newly created
/movementIndications/vehiclesPreregisteredCorrected	Accesses the resource pre-registered vehicles with corrected data
Registration-related specific context	
/movementIndications/registrationsWithoutProofOfInsurance	Accesses the resource registrations newly indicated as without having a proof of insurance

Possible criteria

- The **date** as parameter is mandatory
- [*] Optional: **vehicleCategory** M1 or M2
- [**] Optional: **origin** DIV or WEB

2.4 Query Parameters (input data)

Parameters content	Description
date	The date for which movement indications are requested. Is mandatory.
vehicleCategory (*)	Optional parameter.
origin (*)	Optional parameter.

(*) usage of this parameter only when stakeholder is authorized

2.5 Returned values (output data)

2.5.1 Data

Attribute	Type	Description
movementIndication.uid	String	The unique technical reference to the movement identification object
movementIndication.date	Date	The date when the creation or modification of data occurred
movementIndication.transactionTypeCode	String	The code of the transaction
movementIndication.objectKey.plateNr	String	The plate number as reference-key
movementIndication.objectKey.plateUID	String	The plate technical unique identifier as reference-key
movementIndication.objectKey.vin	String	The vehicle identification number as reference-key
movementIndication.objectKey.unifier	String	The unifier as reference-key, in combination with vehicle identification number

2.5.2 Return and error codes

Refer to the OpenAPI-specifications 'Service Movement Indications'.

2.6 Example

Example url: GET /movementIndications/registrationsNew?date=2019-03-21

Result:

```
"items": [  
  {  
    "movementIndication":  
    {  
      "uid": "24741058",  
      "date": "2019-03-21",  
      "transactionTypeCode": "REG",  
      "objectKey":  
      {  
        "plateNr": "1UKJ202",  
        "plateUID": "rtY678UHNDD5FGZE",  
        "vin": " VF3MRHNYWJS188830016770",  
        "unifier": "01"  
      }  
    },  
  },  
]
```

Note objectKey-values only will be exposed based on the business protocol.