

DAKOSY

VT: Web Service Slot Status

External Interface

Version 1.2

Changes

Version	Change	Author, Date	Approved by, Date
0.1	Initial version	G. Schröder, 19/12/2016	
1.0	URLs, example	G. v. Kostka, G. Schröder, 02/02/2017	
1.1	Authorization-http-Header	A. Laarmann, 09/01/2018	
1.2	Interface v2 with slot usage in percent	M. Aberle, 06/09/2018	

Change Management

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1 Introduction

This web service shows the status of slots at terminals.

This web service is part of the interface TR02 (<http://tr02-wiki.dakosy.de>).

2 Organizational Requirements

To use this web service, you have to acquire a user account and a password. The user needs the access rights for slot status requests. The user account of an application user may be used.

3 Technical Interface

The web service is based on SOAP. The transport protocol is HTTPS.

3.1 WSDL

The WSDL is located here:

```
https://webservice.truckgate.de/SlotWebService/SBV2Service?wsdl
```

You can request a copy of the WSDL from:

```
kostka@dakosy.de
```

3.2 Production Endpoint

In production environment the web service is located here:

```
https://webservice.truckgate.de/SlotWebService/SBV2Service
```

3.3 Authentication

For authentication username and password have to be provided on HTTP level using Basic Authentication.

The HTTP header is called "Authorization". Username and password have to be base64-encoded, separated by colon ":", example:

```
Authorization: Basic TEdIQ193ZWJTTXJ2aWNlOkRDTnBscDRuOFZIM1ZwVUV5TVpM
```

4 Application Interface

The interface is based on TR02 messages (<http://tr02-wiki.dakosy.de>).

4.1 Slot Status Request

The operation slot status request (`SlotStatusAbfrageOp`) provides a list of slot statuses for a transport company (element `ParticipantInformation`), a terminal (element `TerminalLocation`) and a date (element `SlotStatusTime`; the time part is ignored).

These are the slot status values delivered:

- 0 – free
- 1 – almost occupied
- 2 – occupied
- 3 – blocked

In addition the web service may provide further information for each slot, e.g., if Prio2 transports are processed, or if the time-restriction has been revoked for this slot. The status of special slot classes may also be provided.

Example

Request:

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:sbv="http://dakosy.de/wsd1/sbv/v2">
  <soapenv:Header/>
  <soapenv:Body>
    <sbv:SlotStatusRequest>
      <ParticipantInformation>
        <Company>
          <CompanyCode agencyID="DAKOSY">XXXX</CompanyCode>
        </Company>
        <Reference>
          <ReferenceID version="1">20170101-1</ReferenceID>
        </Reference>
      </ParticipantInformation>
      <TerminalLocation>
        <PlaceOfLoading>
          <Code agencyID="DAKOSY" codeListIdentification="DAKTC">EUK</Code>
        </PlaceOfLoading>
      </TerminalLocation>
      <SlotStatusTime>
        <DateTime>2017-01-01T00:00:00</DateTime>
      </SlotStatusTime>
    </sbv:SlotStatusRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

Response (shortened):

```
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <ns2:SlotStatusReply xmlns:ns2="http://dakosy.de/wsd1/sbv/v2">
      <SlotStatusDetails>
        <SlotBegin>
          <DateTime>2017-01-01T00:00:00.000</DateTime>
        </SlotBegin>
        <SlotEnd>
          <DateTime>2017-01-01T00:59:59.999</DateTime>
        </SlotEnd>
        <SlotAvailability>3</SlotAvailability>
        <SlotUsageInPercent>0.0</SlotUsageInPercent>
        <Prio2Processing>true</Prio2Processing>
        <SlotRestrictionRevoked>false</SlotRestrictionRevoked>
      </SlotStatusDetails>
      <SlotStatusDetails>
        <SlotBegin>
          <DateTime>2017-01-01T01:00:00.000</DateTime>
        </SlotBegin>
        <SlotEnd>
          <DateTime>2017-01-01T01:59:59.999</DateTime>
        </SlotEnd>
        <SlotAvailability>3</SlotAvailability>
        <SlotUsageInPercent>0.0</SlotUsageInPercent>
        <Prio2Processing>true</Prio2Processing>
        <SlotRestrictionRevoked>false</SlotRestrictionRevoked>
      </SlotStatusDetails>
    </ns2:SlotStatusReply>
  </soap:Body>
</soap:Envelope>
```

5 Test Environment

For testing purposes you may access our test environment.

5.1 Test Endpoint

For testing purposes the web service is located here:

`https://webservicetest.truckgate.de/SlotWebService/SBV2Service`

5.2 Test Authentication

For testing you need a user account. Please contact DAKOSY support by e-mail to get a user account. Send an e-mail to support@dakosy.de with the subject "Zugangsdaten für SBV-Webservice". Please provide your partner code.

5.3 Test Data

The following test data is provided by the test system:

- Transport company: the trucker code
- Terminal: EUK
- Date of slot status: for the next three days