



SOAP Webservice

Documentation and specification about Meldeschein Webservice interface

Stand: 17th November 2021

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1 General

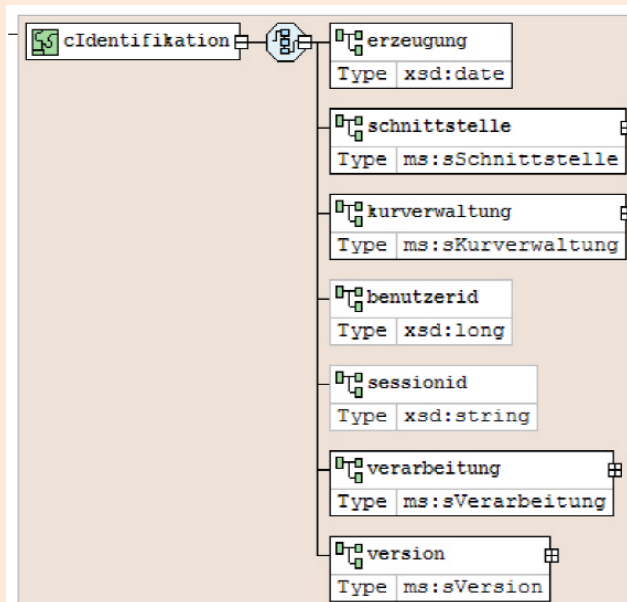
This documentation describes the data transfer between the Webservice client and the AVS registration form system. This Webservice receives all data and is the point of entry to book, print and update registration forms. The interfaces require a defined request element which contains required data to do the requested operation. The AVS registration form Webservice is a SOAP Webservice and requires XML files to transmit data. Every operation requires an own element (XML-Tag). This element is defined in the xml schema file, which is part of this documentation.

The interface specification is also callable via WSDL.

1.1 Security

The AVS registration form Webservice is secured with the html basic authentication. This information has to be send with every request. Our Webservice partner gets the information at the activation to the first destination.

For authorization it's needed to send with every request the identification block:



Beispiel:

```
<identifikation>
  <erzeugung>2016-07-01</erzeugung>
  <schnittstelle>XXX</schnittstelle>
  <kurverwaltung>1</kurverwaltung>
  <benutzerid>1</benutzerid>
  <sessionid>string</sessionid>
  <verarbeitung>MS-HOLEN</verarbeitung>
  <version>string</version>
</identifikation>
```

Without this element the requests will fail. The table beyond illustrated the needed data which has to be send.

1.2 Translations

Tag name	Translation	Additional Information	Compulsory statement
erzeugung	generated	Request generation date.	no
schnittstelle	Interface	Name of the Webservice client	yes
kurverwaltung	destination	Unique identifier to recognize destinations	yes
benutzer-id	user_id	Id of the Webservice user	no
session-id	session-id	Posibility to submit a session id	no
verarbeitung	method	Method which is be called	yes

The name of the interface (schnittstelle), which contains the Webservice user name, is needed for authorization and authentication. If the name isn't correct, the Webservice response the error code 11900.

The destination identifier represents the destination. If the combination of interface and destination doesn't match, you'll receive the error code 11900, too.

1.3 Links

- **WS-URL:**
<https://meldeschein.avs.de/meldeschein-ws-prod/JMeldescheinWebservices>
- **WSDL:**
<https://meldeschein.avs.de/meldeschein-ws-prod/JMeldescheinWebservices?wsdl>

Interface links callable without authentication:

<https://meldeschein.avs.de/meldeschein-ws-prod/wsdl/IJMeldescheinWebservices.wsdl>
https://meldeschein.avs.de/meldeschein-ws-prod/wsdl/meldeschein_webservices.xsd
https://meldeschein.avs.de/meldeschein-ws-prod/wsdl/meldeschein_buchen.xsd
https://meldeschein.avs.de/meldeschein-ws-prod/wsdl/meldeschein_datentypen.xsd

2 Interface specification

2.1 Overview of Webservice procedures

The following table shows the available methods, which can be called. The name of the method has to be written in the tag **schnittstelle**.

Value of tag schnittstelle	Translation	Procedure name	Additional information
MS-HOLEN	Get registration form	holeMeldeschein	With this method it's possible to get the latest information's about a registration form.

			It's helpful for a later update process.
BUCHEN	Booking of registration forms	bucheMeldeschein	Booking of registration forms. This includes the creation and update process.
MS-DRUCKEN	Printing of registration forms	druckeMeldeschein	Creates a PDF file which can be printed.
CONFIG-L- <name>	Configuration	getKonfigurationsListe	This method delivery lists of configurations which should be use to book registration forms correctly.

3 Booking of registration forms

3.1 General

The procedure `bucheMeldeschein` (book registration form) is for booking registration forms. This includes the creating and update process. To book a new registration form, it's necessary to send a booking number. This represents together with the `objectId` a unique identifier. To update or later to print a registration form it's necessary to store the responded registration form number (`meldescheinnummer`) on the client side.

Another way is to call the get registration form operation (`holeMeldeschein`).

It's only possible to update, get or print own registration forms throw the Webservice. It's not possible to get access to other registration forms.

Request Element	Response Element
meldescheine	meldescheine

The element `meldescheine` contains the tag `meldeschein`. This tag contains all relevant data of the guests. It has other relevant information too. For example it contains the spa tax fee or a status, too.



3.2 Tags

Tag name	Translation	Additional Information's
Buchungsnummer	Booking number	<p>Contains the client-side booking number. Together with the objektId, the booking number has to be unique.</p> <p>Special case manual registration form:</p> <p>It's possible to book manual registration form. This is a special procedure and should be used only by the spa administrations and /or tourist information's. If you're interested to book manual registration forms, please contact AVS firstly.</p>
Kz_manuelle_ms	Flag of booking manual registration forms	If this flag is true, than you are sending manual registration forms. In this case it isn't necessary to send the firmaid (companyId) or objektid (objectId).
Meldescheinnummer	Registration form number	This number is unique per destination and is responded at the creation of a registration form. This is necessary for the update process and can be used for printing registration form.
Firmald	Company id	A unique identification number of a company. The company is the institution which gets the bill of spa tax.
ObjektId	Object Id	A unique identification number of accommodation. This institution represents the place where the guests stay. A company can has one or more objects.
Anreise	Arrival	The arrival date of the main traveler
Abreise	Departure	The departure date of the main traveler
KategoriId	Category Id	Contains a per destination unique id of the main person's category. E.g. Adult, child, business. The categories can be queried with the WS call CONFIG-L-KAT .
Anredeld	Salutation Id	Contains a per destination unique id of the main person's salutation. E.g. Mr. (Herr),

		Mrs. (Frau). The salutations can be requested with the WS call CONFIG-L-ANREDE
Name	Last name	The surname of the main traveler.
Vorname	First name	The first name of the main traveler.
Strasse	Street	The main traveler's street name.
Hausnummer	House number	The main traveler's house number.
PLZ	Zip Code	The main traveler's zip code.
Ort	City	The main traveler's city name.
Land	Country	The main traveler's country.
Staatsangehörigkeit	Nationality	The main traveler's nationality.
Ausweisnummer	ID number	The main traveler's ID number.
Weitere Informationen	Additional Information	Contains additional information about the main or further traveler.
KfzKennzeichen	License plate	Contains the license plate of the traveler's vehicle.
Geburtsdatum	Date of birth	The main traveler's date of birth.
Betrag	Fee	Contains the fee of spa tax. If the fee is responded in the tag meldeschein, then its represents the fee of this registration form. Otherwise it represents the fee of the follow traveler.
AbrechnungsstatusId	Calculation Status	Represents the actual status of a registration form.

3.2.1 Additional category depended fields (Kategoriebedingte Zusatzfelder)

Destinations can require sending additional fields depended of its category. The individual configuration can be inquired at the spa administration / tourist information. The additional fields have to be sending in the parent tag "zusatzfelder". Within the parent tag it's necessary to send one or more of these additional fields. If a child tag is empty or contains invalid data, the data will be dropped on the Webservice side and a persisting of this data isn't possible.

Only the main traveler can have additional fields. It's not possible to use a category with additional fields to a follow traveler or to a group registration form member. In this case the booking process will be stopped and the client gets an error.

3.2.2 Additional individual fields (Individuelle Zusatzfelder)

Some destinations have the possibility to store additional information's about a registration form. These additional individual fields can be sending via AVS Webservice. The configuration about these fields can be asked at the Tourist Information. They can export a PDF documentation with following information's. This information's are just an example for possible fields:

Individuelle Felder Übersicht:

Name	Typ	Max. Länge der Eingabe
Reisegrund	Combobox	Vorgegebene Werte
Vermerk	Text-Field	30

Vorgegebene Werte für das Feld Reisegrund

Wert
Messe
Kongress
Business
Freizeit

Translation:

Individual Fields Overview:

Name	Type	Max. length
Reisegrund (travel reason)	Combobox (Value of a select box)	Predefined values
Vermerk (note)	Text-Field	30

Predefined values for the field Reisegrund (travel reason)

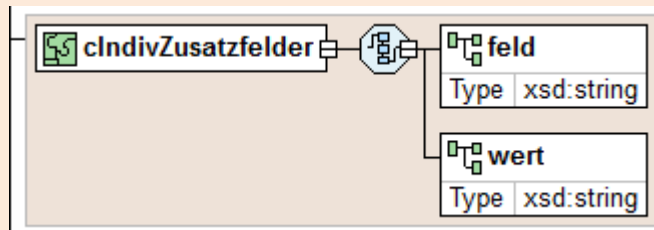
Values
Messe (fair)
Kongress (congress)
Business
Freizeit (leisure)

It is existing two types of individual additional fields:

- Combobox; Value of a select box. The value has to be exactly like in the documentation.
- Text-Field. This type can include custom text which max length is predefined.

The following example shows the difference between Combobox and Text-Field.

Type	Field (Example)	Values (Example)	TAG's (Example)
Combobox	Reisegrund (travel reason)	<ul style="list-style-type: none"> • null (empty) • Messe • Kongress • Business Freizeit	<pre><indiv-zusatzfelder> <feld>Reisegrund</feld> <wert>Kongress</wert> </indiv-zusatzfelder></pre>
Text-Field	Vermerk	"Stammgast"	<pre><indiv-zusatzfelder> <feld>Vermerk</feld> <wert>Stammgast</wert> </indiv-zusatzfelder></pre>



More information's about these fields are available in the PDF document „AVS Informationsschreiben - Schnittstellen Hotelprogramme“.

It's only possible to save additional information's for the main traveler. It isn't possible to save additional information's for the additional traveler's.

The information's of the individual additional fields has to be send within the [parent-Tag <indiv-zusatzfeld>](#). Within this Tag it's possible to send exactly one information of this additional individual field. It isn't possible to send multiple values! If it's necessary to send multiple additional individual fields, so the request has to contain multiple [<indiv-zusatzfeld>](#) Tags.

If the used type of the additional individual field is combobox, than it's important to send the value of the additional individual field exactly how it is documented. Otherwise the registration form cannot be accepted and the response contains an error code.

It's possible to send an empty value for an additional individual field, if no value is chose or available.

The deliveries of the values of the tags “feld” und “wert” are case-sensitive. Therefore it's important und use right upper and lower case, except the value of the type text field. This type is of course freely selectable.

The Webservice Response contains the booked fields and values. At an update it's important to send the just saved information's about the additional individual fields too. Otherwise the request will fail.

3.2.2.1 Examples for delivering additional individual fields

```
...  
<indiv-zusatzfelder>  
  <feld>Reisgrund</feld>  
  <wert></wert>  
</indiv-zusatzfelder>  
...
```

3.2.2.2 Example for delivering multiple additional individual fields:

```
...  
<indiv-zusatzfelder>  
  <feld>Reisgrund</feld>  
  <wert>Kongress</wert>  
</indiv-zusatzfelder>  
<indiv-zusatzfelder>  
  <feld>Vermerk</feld>  
  <wert>Stammgast</wert>  
</indiv-zusatzfelder>  
...
```

3.2.2.3 Example for no notice of case-sensitivity

```
...  
<indiv-zusatzfelder>  
  <feld>Reisgrund</feld>  
  <wert>Kongress</wert>  
</indiv-zusatzfelder>  
...  
...  
<indiv-zusatzfelder>  
  <feld>Reisgrund</feld>  
  <wert>kongress</wert>  
</indiv-zusatzfelder>
```


If the request doesn't take notice of case-sensitivity, it isn't possible to recognize the field and the value. In this case the booking fails and the response includes an error code and an error message like following:

```
...
<fehlermeldungen>
  <fehler>
    <code>10128</code>
    <beschreibung>Zusatzfelder falsch übergeben.</beschreibung>
    <bezug>Meldeschein-Buchungsnummer: BN123456</bezug>
  </fehler>
</fehlermeldungen>
```

The error code 10128 describes that the request contains an invalid additional individual field. The Tag "bezug" contains the booking number of the client.

3.2.2.4 Example of wrong value

The following example shows an invalid combobox typed additional individual field.

```
...
<indiv-zusatzfelder>
  <feld>Reisegrund</feld>
  <wert>An invalid value</wert>
</land>
...
```

The value “An invalid value” is not a valid predefined value. Because of that the value cannot be recognize and the request fails. The response contains the following error code:

```
...  
<fehlermeldungen>  
  <fehler>  
    <code>10128</code>  
    <beschreibung>Zusatzfelder falsch übergeben.</beschreibung>  
    <bezug>Meldeschein-Buchungsnummer: BN123456</bezug>  
  </fehler>  
</fehlermeldungen>
```

3.2.2.5 Example of a complete valid request with one additional individual field

```
<?xml version="1.0"?>
<ms:meldeschein xmlns:ms="http://www.avs.meldeschein.de/ns/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <identifikation>
    <erzeugung>2018-09-01</erzeugung>
    <schnittstelle>xxx</schnittstelle>
    <kurverwaltung>1</kurverwaltung>
    <benutzerid>1</benutzerid>
    <sessionid>string</sessionid>
    <verarbeitung>BUCHEN</verarbeitung>
    <version>string</version>
  </identifikation>
  <ms:meldeschein>
    <buchungsnummer>BN0501</buchungsnummer>
    <firmaid>123</firmaid>
    <objektid>123</objektid>
    <anreise>2018-10-01</anreise>
    <abreise>2018-10-02</abreise>
    <kategorieid>2</kategorieid>
    <anredeid>1</anredeid>
    <name>Test-Name</name>
    <vorname>Test-Vorname</vorname>
    <strasse>Teststr.</strasse>
    <hausnummer>1</hausnummer>
    <plz>12345</plz>
    <ort>Teststadt</ort>
    <landid>1</landid>
    <staatsangehoerigkeitid>1</staatsangehoerigkeitid>
    <weitere_angaben>12345678</weitere_angaben>
    <ausweisnr>12345678ABC</ausweisnr>
    <kfzkennzeichen>XX XX-44</kfzkennzeichen>
    <geburtsdatum>1972-01-21</geburtsdatum>
    <indiv-zusatzfelder>
      <feld>Reisegrund</feld>
      <wert>Kongress</wert>
    </indiv-zusatzfelder>
  </ms:meldeschein>
</ms:meldeschein>
```

3.2.3 Land (country) and Staatsangehörigkeit (nationality)

It's four ways existing to send the main travelers home country and nationality.

Example:

1.

```
<land>  
  <land-id>1</land-id>  
</land>
```

The values of tag land-id can be called via WS method **CONFIG-L-LAND**.

2.

```
<land>  
  <land-iso>DE</land-iso>  
</land>
```

The value of land iso is conform of the ISO 3166-1 county code.

3.

```
<land>  
  <land-id>1</land-id>  
  <land-iso>DE</land-iso>  
</land>
```

Both entities are possible but not very helpful, if the value of land-id and land-iso aren't the same! In this case it's using the land-iso!!!!

4.

```
<landid>1</landid>
```

The values of tag landid can be called via WS method **CONFIG-L-LAND**.

The same with the nationalities:

1.

```
<staatsangehoerigkeit>
  <land-id>1</land-id>
</staatsangehoerigkeit>
```

The values of tag land-id can be called via WS method **CONFIG-L-LAND**.

2.

```
<staatsangehoerigkeit>
  <land-id>1</land-id>
</staatsangehoerigkeit>
```

The value of land iso is conforming the ISO 3166-1 county code.

3.

```
<staatsangehoerigkeit>
  <land-id>1</landid>
  <land-iso>DE</land-iso>
</staatsangehoerigkeit>
```

Both entities are possible but not very helpful, if the value of land-id and land-iso aren't the same! In this case it's using the land-iso!!!!

4.

```
<staatsangehoerigkeitid>1<staatsangehoerigkeitid>
```

The values of tag landid can be called via WS method **CONFIG-L-LAND**.

3.2.4 Bettensteuer (bed tax on the net overnight fee)

Destinations, which has the bed tax module ordered, requires of the accommodations to send the bed tax on the net overnight fee. In case that the destination ordered this module, the Webservice partner has to send the overnight fee in the tag ue-e-gelt. The value has to be numeric with max. two positions after decimal point.

3.2.5 Digitale Gästekarte (digital guest card)

If a destination has ordered the digital guest card module, it is possible to transfer data for the digital guest card via the booking process. This module is only possible for registration form type "registration form". For other types of registration form it isn't possible. If data, regarding the digital guest card has to be transmitted, the tags email and digit_gastkart must be filled.

E.G.:

```
..  
<email>max.mustermann@test.de</email>  
<digit_gastkart>true</digit_gastkart>  
..
```

The Tag digit_gastkart describes the single opt-in and means the this person wants to receive an email depended if the tag email is filled. To decline the digital guest card, it's possible to transmit the value „false“ or to let it empty.

These tags are located under the tag "registration form" for the main person and "follow person" for the respective accompanying person. The tag e-mail expects a string with a syntactically correct e-mail address. This means, it has to contains a "@" sign for example. If incorrect data will be transmitted, the response contains the error code 10129 with the error message "E-Mail Adresse nicht gueltig" and stands for that the email address isn't valid.

It's possible to change the e-mail address and the identifier of the digital guest card after the registration form has been created as long as the registration form itself can

be changed. If an update contains an empty email address, so this update process will delete the email address at the AVS side. To make a change of the digital guest card identifier, it is necessary to transmit explicitly the Boolean value. If the guest withdraws their consent, the value false must be transmitted during the registration form update.

3.2.5.1 Sending the digital guest card

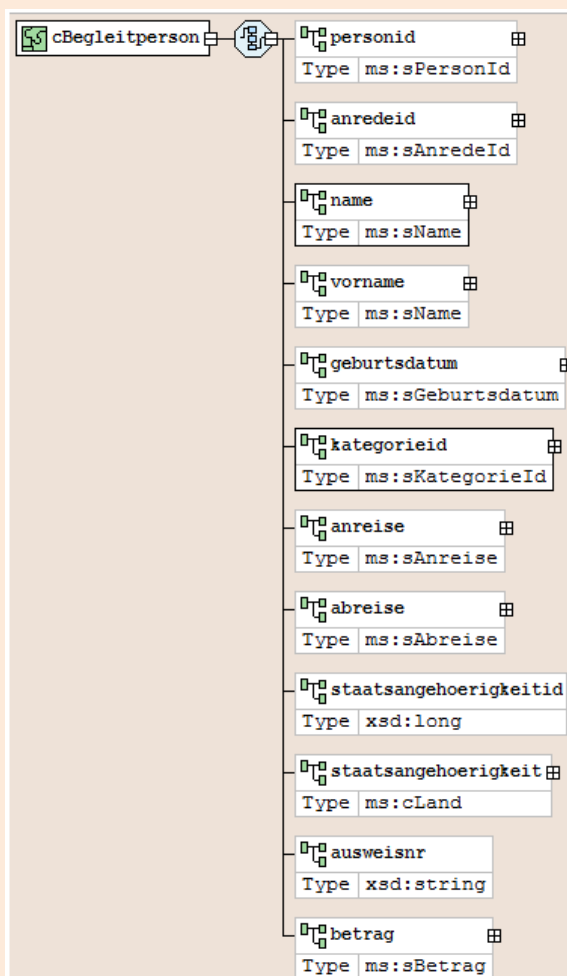
The digital guest card is sent by call the Webservice method MS-PRINT. Immediate all digital guest cards that can be sent are automatically sent by email. The Client doesn't receive any notification whether a sending has been made.

Example:

```
<?xml version="1.0" encoding="UTF-8"?>
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <SOAP-ENV:Body>
    <ms:meldescheine xmlns:ms="http://www.avs.meldeschein.de/ns/">
      <identifikation>
        <erzeugung>2019-11-13</erzeugung>
        <schnittstelle>xxx</schnittstelle>
        <kurverwaltung>0</kurverwaltung>
        <verarbeitung>BUCHEN</verarbeitung>
      </identifikation>
      <ms:meldeschein>
        <buchungsnummer>XXX</buchungsnummer>
        <firmaid>96</firmaid>
        <objektid>2</objektid>
        <anreise>2019-11-12</anreise>
        <abreise>2019-11-15</abreise>
        <kategorieid>2</kategorieid>
        <anredeid>1</anredeid>
        <name>Mustermann</name>
        <vorname>Max</vorname>
        <strasse></strasse>
        <hausnummer></hausnummer>
        <plz></plz>
        <ort></ort>
        <landid>1</landid>
        <staatsangehoerigkeitid>1</staatsangehoerigkeitid>
        <weitere_angaben></weitere_angaben>
        <kfzkennzeichen></kfzkennzeichen>
        <geburtsdatum>1958-10-18</geburtsdatum>
        <email>max.mustermann@test.de</email>
        <digit_gastkart>true</digit_gastkart>
        <begleitperson>
          <name>Musterfrau</name>
          <vorname>Test</vorname>
          <kategorieid>2</kategorieid>
          <anreise>2019-11-12</anreise>
          <abreise>2019-11-15</abreise>
          <email>maxfrau.mustermann@test.de</email>
          <digit_gastkart>true</digit_gastkart>
          <staatsangehoerigkeit>
            <land-id>1</land-id>
          </staatsangehoerigkeit>
        </begleitperson>
      </ms:meldeschein>
    </ms:meldescheine>
  </SOAP-ENV:Body>
```


3.2.6 Follow traveler

The information's about follow travelers have to be sending in the tag begleitperson of the type cBegleitperson:



3.2.6.1 Tags

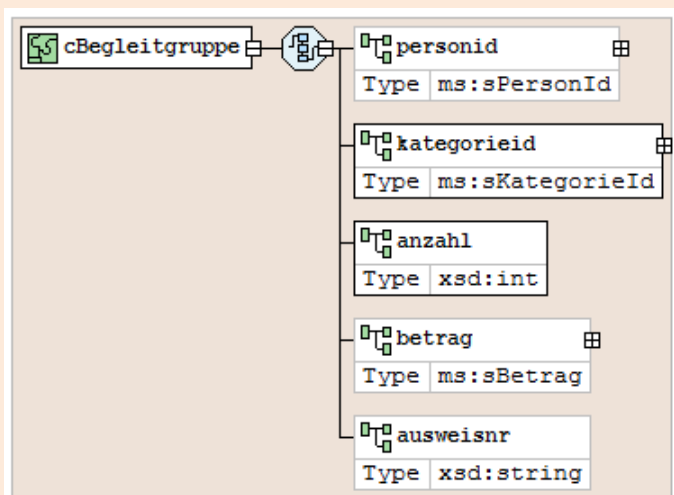
Tag name	Translation	Additional Informations
PersonId	Id of the follow traveler	Unique identification number. Necessary for update registration forms.
Anredeld	Salutation Id	Id of the salutation.
Name	Last name	Last name of this follow traveler
Vorname	First name	First name of this follow traveler
Geburtsdatum	Date of birth	Birthday of this follow traveler
KategorieId	Category	Category of this follow traveler. For more information see main traveler's category.
Anreise	Arrival	Arrival of this follow traveler. The arrival and / or departure could be different, but in range of the main traveler.
Abreise	Departure	Departure of this follow traveler. The arrival and / or departure could be different, but in range of the main traveler.
Staatsangehör ikeitId	Nationality Id	Nationality Id of this follow traveler. For more information see main traveler's nationality.
Staatsangehör igkeit	Nationality	Nationality of this follow traveler. For more information see main traveler's nationality
Ausweisnr	ID number	Follow traveler's ID number.
Betrag	Fee	The spa tax fee of this follow traveler.

It's **important** that at an update process to proceed the responded Tag „Person-ID“ in case that the person or the registration form will updated. Otherwise this person will be deleted.

3.2.7 Group registration forms

A group registration form is the convenient way to book a registration form with more travelers. In this case it's only possible to store basic information about the follow travelers. The members have to be count and grouped by a category. It isn't possible to book a group registration form with two same categories.

The information of group registration form members have to be send in the tag `begleitgruppe` of the type `cBegleitgruppe`:



3.2.7.1 Tags

Tag name	Translation	Additional Informations
PersonId	Id of the group members.	Unique identification number of group members.
KategorieId	Id of the category of this group members	Category Id of the group members. For more information's take a look at main traveler's category.
Anzahl	Count	Number of group members

Betrag	Fee	Spa tax fee of this group members (Only used in response)
AusweisNr	ID number	ID numbers of the group members.

3.2.7.2 Important

It's only possible to book a group registration form, if the destination has ordered this type of registration form.

Secondly it's only possible to book a group registration form, if the minimum quantity of travelers is reached. Otherwise the response contains an error. It's only possible to update a group registration form, if the request contains the personId. Do not forget to send the other personIds too, because otherwise all group registration form member will be deleted.

3.3 Examples

1. A registration form without follow travelers:

```
<?xml version="1.0"?>
<ms:meldeschein xmlns:ms="http://www.avs.meldeschein.de/ns/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <identifikation>
    <erzeugung>2016-07-01</erzeugung>
    <schnittstelle>xxx</schnittstelle>
    <kurverwaltung>1</kurverwaltung>
    <benutzerid>1</benutzerid>
    <sessionid>string</sessionid>
    <verarbeitung>BUCHEN</verarbeitung>
    <version>string</version>
  </identifikation>
  <ms:meldeschein>
    <buchungsnummer>30501</buchungsnummer>
    <firmaid>222</firmaid>
    <objektid>222</objektid>
    <anreise>2016-07-01</anreise>
    <abreise>2016-07-02</abreise>
    <kategorieid>2</kategorieid>
    <anredeid>1</anredeid>
    <name>Test-Name</name>
    <vorname>Test-Vorname</vorname>
    <strasse>Teststr.</strasse>
    <hausnummer>1</hausnummer>
    <plz>12345</plz>
    <ort>Teststadt</ort>
    <landid>1</landid>
    <staatsangehoerigkeitid>1</staatsangehoerigkeitid>
    <weitere_angaben>12345678</weitere_angaben>
    <ausweisnr>12345678ABC</ausweisnr>
    <kfzkennzeichen>BT TB-44</kfzkennzeichen>
    <geburtsdatum>1972-01-21</geburtsdatum>
  </ms:meldeschein>
</ms:meldeschein>
```

2. Example to book a registration form with additional fields:

```
<?xml version="1.0"?>
<ms:meldeschein xmlns:ms="http://www.avs.meldeschein.de/ns/"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <identifikation>
    <erzeugung>2016-07-01</erzeugung>
    <schnittstelle>xxx</schnittstelle>
    <kurverwaltung>1</kurverwaltung>
    <benutzerid>1</benutzerid>
    <sessionid>string</sessionid>
    <verarbeitung>BUCHEN</verarbeitung>
    <version>string</version>
  </identifikation>
  <ms:meldeschein>
    <buchungsnummer>30501</buchungsnummer>
    <firmaid>222</firmaid>
    <objektid>222</objektid>
    <anreise>2016-07-01</anreise>
    <abreise>2016-07-02</abreise>
    <kategorieid>2</kategorieid>
    <anredeid>1</anredeid>
    <name>Test-Name</name>
    <vorname>Test-Vorname</vorname>
    <strasse>Teststr.</strasse>
    <hausnummer>1</hausnummer>
    <plz>12345</plz>
    <ort>Teststadt</ort>
    <landid>1</landid>
    <staatsangehoerigkeitid>1</staatsangehoerigkeitid>
    <weitere_angaben>12345678</weitere_angaben>
    <ausweisnr>12345678ABC</ausweisnr>
    <kfzkennzeichen>BT TB-44</kfzkennzeichen>
    <geburtsdatum>1972-01-21</geburtsdatum>
    <zusatzfelder>
      <firmenname>AVS GmbH</firmenname> <!-- company name of the guest-->
      <freie-tage>5</freie-tage> <!-- number of free days -->
      <sb-gueltig-bis>2017-01-21</sb-gueltig-bis> <!-- Expired day of pass of severely disabled
person -->
      <sb-versorgungsamtnr>ABC123</sb-versorgungsamtnr> <!-- Id of pass of serverly
disabled person-->
    </zusatzfelder>
  </ms:meldeschein>
</ms:meldeschein>
```

3. A registration form with further travelers:

```
<?xml version="1.0"?>
<ms:meldeschein xmlns:ms="http://www.avs.meldeschein.de/ns/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <identifikation>
    <erzeugung>2016-07-01</erzeugung>
    <schnittstelle>xxx</schnittstelle>
    <kurverwaltung>1</kurverwaltung>
    <benutzerid>1</benutzerid>
    <sessionid>string</sessionid>
    <verarbeitung>BUCHEN</verarbeitung>
    <version>string</version>
  </identifikation>
  <ms:meldeschein>
    <buchungsnummer>30501</buchungsnummer>
    <firmaid>222</firmaid>
    <objektid>222</objektid>
    <anreise>2016-07-01</anreise>
    <abreise>2016-07-02</abreise>
    <kategorieid>2</kategorieid>
    <anredeid>1</anredeid>
    <name>Test-Name</name>
    <vorname>Test-Vorname</vorname>
    <strasse>Teststr.</strasse>
    <hausnummer>1</hausnummer>
    <plz>12345</plz>
    <ort>Teststadt</ort>
    <landid>1</landid>
    <staatsangehoerigkeitid>1</staatsangehoerigkeitid>
    <weitere_angaben>12345678</weitere_angaben>
    <ausweisnr>12345678ABC</ausweisnr>
    <kfzkennzeichen>BT-TB-44</kfzkennzeichen>
    <geburtsdatum>1972-01-21</geburtsdatum>
    <begleitperson>
      <anredeid>1</anredeid>
      <name>Test-Name-BP</name>
      <vorname>Test-Vorname-BP</vorname>
      <geburtsdatum>1955-03-11</geburtsdatum>
      <kategorieid>3</kategorieid>
      <anreise>2016-07-01</anreise>
      <abreise>2016-07-02</abreise>
      <ausweisnr>123478ABC</ausweisnr>
    </begleitperson>
    <begleitperson>
      <anredeid>2</anredeid>
      <name>string</name>
      <vorname>string</vorname>
      <geburtsdatum>1999-01-21</geburtsdatum>
      <kategorieid>2</kategorieid>
      <ausweisnr>45678ABC</ausweisnr>
    </begleitperson>
  </ms:meldeschein>
</ms:meldeschein>
```

4. Example of a group registration form:

```
<?xml version="1.0"?>
<ms:meldeschein xmlns:ms="http://www.avs.meldeschein.de/ns/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <identifikation>
    <erzeugung>2016-07-01</erzeugung>
    <schnittstelle>xxx</schnittstelle>
    <kurverwaltung>1</kurverwaltung>
    <benutzerid>1</benutzerid>
    <sessionid>string</sessionid>
    <verarbeitung>BUCHEN</verarbeitung>
    <version>string</version>
  </identifikation>
  <ms:meldeschein>
    <buchungsnummer>30501</buchungsnummer>
    <firmaid>222</firmaid>
    <objektid>222</objektid>
    <anreise>2016-07-01</anreise>
    <abreise>2016-07-02</abreise>
    <kategorieid>2</kategorieid>
    <anredeid>1</anredeid>
    <name>Test-Name</name>
    <vorname>Test-Vorname</vorname>
    <strasse>Teststr.</strasse>
    <hausnummer>1</hausnummer>
    <plz>12345</plz>
    <ort>Teststadt</ort>
    <landid>1</landid>
    <staatsangehoerigkeitid>1</staatsangehoerigkeitid>
    <weitere_angaben>12345678</weitere_angaben>
    <ausweisnr>12345678ABC</ausweisnr>
    <kfzkennzeichen>BT TB-44</kfzkennzeichen>
    <geburtsdatum>1972-01-21</geburtsdatum>
    <begleitgruppe>
      <kategorieid>1</kategorieid>
      <anzahl>4</anzahl>
      <ausweisnr>12345678ABCD</ausweisnr>
    </begleitgruppe>
  </ms:meldeschein>
</ms:meldeschein>
```


5. Example of a response of booking operation. Important information's are green marked.

```
<?xml version="1.0"?>
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <SOAP-ENV:Body>
    <meldescheine xmlns="http://www.avs.meldeschein.de/ns/">
      <identifikation xmlns="">
        <erzeugung>2016-07-01</erzeugung>
        <schnittstelle>xxx</schnittstelle>
        <kurverwaltung>1</kurverwaltung>
        <benutzerid>1</benutzerid>
        <sessionid>string</sessionid>
        <verarbeitung>BUCHEN</verarbeitung>
        <version>1.2.06-H03</version>
      </identifikation>
      <fehlermeldungen xmlns="">
        <fehler>
          <code>10001</code><!--Return code of a successfull booked registration form-->
          <beschreibung>Meldescheine-Buchen erfolgreich</beschreibung>
        </fehler>
      </fehlermeldungen>
      <meldeschein>
        <buchungsnummer xmlns="">30501</buchungsnummer>
        <meldescheinnummer xmlns="">216454</meldescheinnummer>
      </meldeschein>
    <!--registration form number -->
    <firmaid xmlns="">222</firmaid>
    <objektid xmlns="">222</objektid>
    <anreise xmlns="">2016-07-01</anreise>
    <abreise xmlns="">2016-07-02</abreise>
    <kategorieid xmlns="">2</kategorieid>
    <anredeid xmlns="">1</anredeid>
    <name xmlns="">Test-Name</name>
    <vorname xmlns="">Test-Vorname</vorname>
    <strasse xmlns="">Teststr.</strasse>
    <hausnummer xmlns="">1</hausnummer>
    <plz xmlns="">12345</plz>
    <ort xmlns="">Teststadt</ort>
    <landid xmlns="">1</landid>
    <staatsangehoerigkeitid xmlns="">1</staatsangehoerigkeitid>
    <weitere_angaben xmlns="">12345678</weitere_angaben>
    <ausweisnr xmlns="">12345678ABC</ausweisnr>
    <kfzkennzeichen xmlns="">BT TB-44</kfzkennzeichen>
    <geburtsdatum xmlns="">1972-01-21</geburtsdatum>
    <betrag xmlns="">10</betrag>
    <abrechnungstatusid xmlns="">1</abrechnungstatusid>
    ...
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

```
<begleitperson xmlns="">
  <personid>529955</personid> <!--Id of first following traveler -->
  <anredeid>1</anredeid>
  <name>Test-Name-BP</name>
  <vorname>Test-Vorname-BP</vorname>
  <geburtsdatum>1955-03-11</geburtsdatum>
  <kategorieid>3</kategorieid>
  <ausweisnr>123478ABC</ausweisnr>
  <anreise>2016-07-01</anreise>
  <abreise>2016-07-02</abreise>
</begleitperson>
<begleitperson xmlns="">
  <personid>529956</personid> <!--Id of second following traveler -->
  <anredeid>2</anredeid>
  <name>string</name>
  <vorname>string</vorname>
  <geburtsdatum>1999-01-21</geburtsdatum>
  <kategorieid>2</kategorieid>
  <ausweisnr>45678ABC</ausweisnr>
</begleitperson>
</meldeschein>
</meldescheine>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

3.4 Update registration forms

It's possible to update registration forms. In this case, it's necessary to send the registration form number (Meldescheinnummer). An update with a booking number is not possible and the client gets an error code that the booking number isn't unique.

It's necessary to send all follow travelers or registration form group members. The request has to have all persons with their person IDs. Otherwise these will be deleted. A call of "holeMeldeschein" could help to get these information's before update. A registration form is only updatable if its status is okay. Follows statuses exists:

Status Id	Status name	Translation	Additional information
1	Angelegt	Applied	The registration form is applied. The transmitted data are correct and persisted. It's possible to update and to print the registration form.
2	Gedruckt	Printed	The registration form is printed. The registration form isn't updateable and printable anymore.
3	Abgerechnet	Invoiced	The registration form is invoiced. The registration form isn't updatable and printable anymore.
4	Storniert	Canceled	The registration form is canceled. The registration form isn't updatable and printable anymore.
5	Bezahlt	Paid	The registration form is paid. The registration form isn't updatable and printable anymore.
6	Ungültig	Invalid	The registration form is set invalid. The registration form isn't updateable and printable anymore

After creation of a registration form it gets the status applied. In this status updates are possible till the registration form will be printed. In this case the system set the status automatically to “printed” and a further update isn’t possible anymore.

If you want to **cancel** or to set a registration form **invalid**, you have to send in the tag “abrechnungsstatusid” the previous written ID 4.

4 Get registration form (Hole Meldeschein)

With this procedure it’s possible to get latest information’s of a registration form. It’s useful before an update process.

Request Element	Response Element
holeMeldeschein	holeMeldeschein -> meldeschein

Buchungsnummer + Objektid (booking number + object id)
Meldescheinnummer + Objektid (registration from number + object id)

Meldescheinnummer + Buchungsnummer (registration form number + booking number)

Meldescheinnummer + Buchungsnummer + Objektid (registration form number + booking number + object id)

Meldescheinnummer (registration form number)

The response contains the element meldeschein. This represents the registration form and contains the latest information about the registration form.



4.1 Examples

Request registration form with help of booking number and objektid

```
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <SOAP-ENV:Body>
    <holeMeldeschein xmlns="http://www.avs.meldeschein.de/ns/">
      <identifikation xmlns="">
        <erzeugung>2016-07-01</erzeugung>
        <schnittstelle>xxx</schnittstelle>
        <kurverwaltung>1</kurverwaltung>
        <benutzerid>1</benutzerid>
        <sessionid>string</sessionid>
        <verarbeitung>MS-HOLEN</verarbeitung>
        <version>1.2.06-H03</version>
      </identifikation>
      <anfragedaten xmlns="">
        <buchungsnummer>30001</buchungsnummer>
        <objektid>222</objektid>
      </anfragedaten>
    </holeMeldeschein>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

Request registration form with help of registration form number

```
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <SOAP-ENV:Body>
    <holeMeldeschein xmlns="http://www.avs.meldeschein.de/ns/">
      <identifikation xmlns="">
        <erzeugung>2016-07-01</erzeugung>
        <schnittstelle>xxx</schnittstelle>
        <kurverwaltung>1</kurverwaltung>
        <benutzerid>1</benutzerid>
        <sessionid>string</sessionid>
        <verarbeitung>MS-HOLEN</verarbeitung>
        <version>1.2.06-H03</version>
      </identifikation>
      <anfragedaten xmlns="">
        <meldescheinnummer>30001</meldescheinnummer>
      </anfragedaten>
    </holeMeldeschein>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```


Response of operation get registration form

```

<SOAP-ENV:Envelope>
  <SOAP-ENV:Body>
    <holeMeldeschein xmlns="http://www.avs.meldeschein.de/ns/">
      <identifikation xmlns="">
        <erzeugung>2016-07-01</erzeugung>
        <schnittstelle>xxx</schnittstelle>
        <kurverwaltung>1</kurverwaltung>
        <benutzerid>1</benutzerid>
        <sessionid>string</sessionid>
        <verarbeitung>MS-HOLEN</verarbeitung>
        <version>1.2.06-H03</version>
      </identifikation>
      <anfragedaten xmlns="">
        <buchungsnummer>30001</buchungsnummer>
        <objektid>222</objektid>
      </anfragedaten>
      <fehlermeldungen xmlns="">
        <fehler>
          <code>10001</code>
          <beschreibung>Meldescheine-Holen erfolgreich</beschreibung>
        </fehler>
      </fehlermeldungen>
      <meldeschein>
        <buchungsnummer xmlns="">30001</buchungsnummer>
        <meldescheinnummer xmlns="">123456</meldescheinnummer>
        <firmaid xmlns="">111</firmaid>
        <objektid xmlns="">222</objektid>
        <anreise xmlns="">2016-07-01</anreise>
        <abreise xmlns="">2016-07-02</abreise>
        <kategorieid xmlns="">2</kategorieid>
        <anredeid xmlns="">1</anredeid>
        <name xmlns="">Test-Name</name>
        <vorname xmlns="">Test-Vorname</vorname>
        <strasse xmlns="">Teststr.</strasse>
        <hausnummer xmlns="">1</hausnummer>
        <plz xmlns="">12345</plz>
        <ort xmlns="">Teststadt</ort>
        <landid xmlns="">1</landid>
        <staatsangehoerigkeitid xmlns="">1</staatsangehoerigkeitid>
        <weitere_angaben xmlns="">12345678</weitere_angaben>
        <ausweisnr xmlns="">12345678ABC</ausweisnr>
        <kfzkennzeichen xmlns="">BT TB-44</kfzkennzeichen>
        <geburtsdatum xmlns="">1972-01-21</geburtsdatum>
        <abrechnungstatusid xmlns="">1</abrechnungstatusid>
      </meldeschein>
    </holeMeldeschein>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>

```

...

```

...
<begleitperson xmlns="">
  <personid>1234</personid>
  <anredeid>1</anredeid>
  <name>Test-Name-BP</name>
  <vorname>Test-Vorname-BP</vorname>
  <geburtsdatum>1955-03-11</geburtsdatum>
  <kategorieid>3</kategorieid>
  <anreise>2016-07-01</anreise>
  <abreise>2016-07-02</abreise>
  <ausweisnr>123478ABC</ausweisnr>
</begleitperson>
<begleitperson xmlns="">
  <personid>2345</personid>
  <anredeid>2</anredeid>
  <name>string</name>
  <vorname>string</vorname>
  <geburtsdatum>1999-01-21</geburtsdatum>
  <kategorieid>2</kategorieid>
  <anreise>2016-07-01</anreise>
  <abreise>2016-07-02</abreise>
  <ausweisnr>45678ABC</ausweisnr>
</begleitperson>
</meldeschein>
</holeMeldeschein>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>

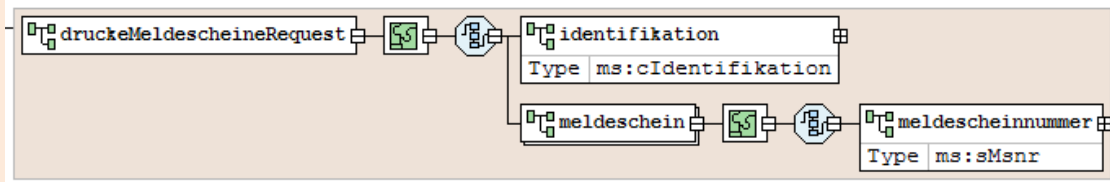
```

5 Print registration form

With this method it's possible to print registration forms. Please check before the actual status of the registration form before printing

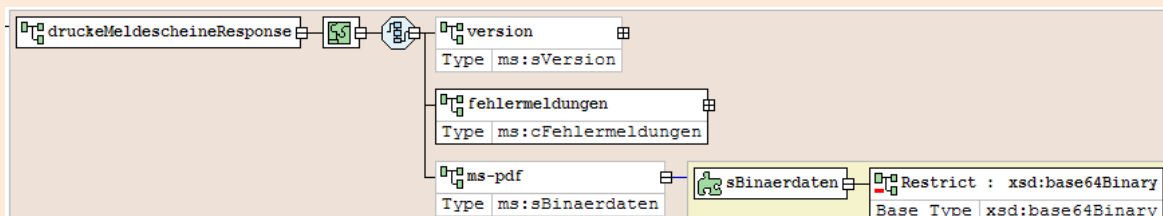
Request Element	Response Element
druckeMeldescheineRequest	druckeMeldescheineResponse

The request element “druckeMeldescheinRequest”



It's only possible to print a registration form with the registration form number (Meldescheinnummer).

The response element „druckeMeldescheinResponse“



The response element contains the tag ms-pdf. The value is from type xsd:base64Binary. A Java Webservice Client could use it as a byte array and this can be saved in a PDF file.

5.1 Example

Request of print registration form

```
<p1:druckeMeldescheinRequest xmlns:p1="http://www.avs.meldeschein.de/ns/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <identifikation>
    <erzeugung>2016-07-01</erzeugung>
    <schnittstelle>xxx</schnittstelle>
    <kurverwaltung>1</kurverwaltung>
    <benutzerid>1</benutzerid>
    <sessionid>string</sessionid>
    <verarbeitung>MS-DRUCKEN</verarbeitung>
    <version>string</version>
  </identifikation>
  <meldeschein>
    <meldescheinnummer>100</meldescheinnummer>
  </meldeschein>
</p1:druckeMeldescheinRequest>
```

Response of print registration form

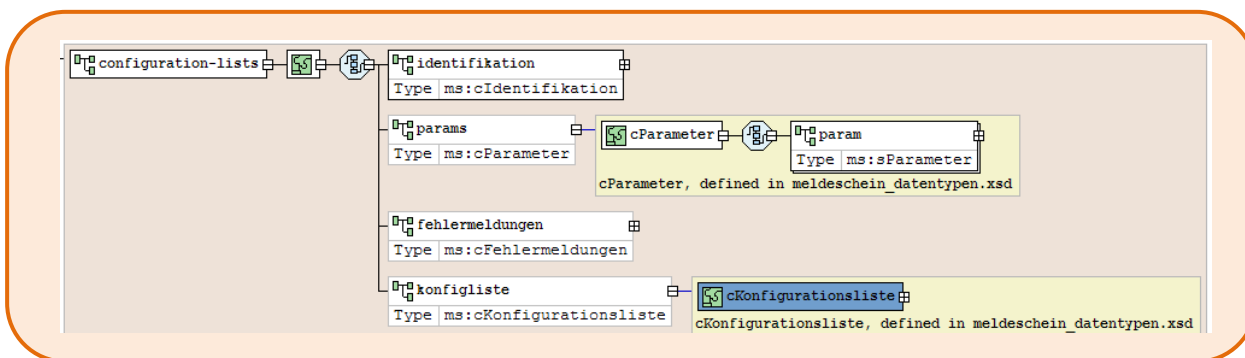
```
<?xml version="1.0"?>
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-
  instance">
  <SOAP-ENV:Body>
    <druckeMeldescheineResponse xmlns="http://www.avs.meldeschein.de/ns/">
      <version xmlns="">1.2.06-H18</version>
      <fehlermeldungen xmlns="">
        <fehler>
          <code>10001</code>
          <beschreibung>Meldescheine-Drucken erfolgreich</beschreibung>
        </fehler>
      </fehlermeldungen>
      <ms-pdf xmlns="">JVBERiOxLjMKJaqrK0KNCAwIG9iago8PCA.....</ms-pdf>
    </druckeMeldescheineResponse>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

6 Get configuration lists

6.1 General

With this method call it's possible to get information about configurations. These can be dependent of the destination. The result should be help to book registration forms.

Request Element	Response Element
configuration-lists	configuration-lists

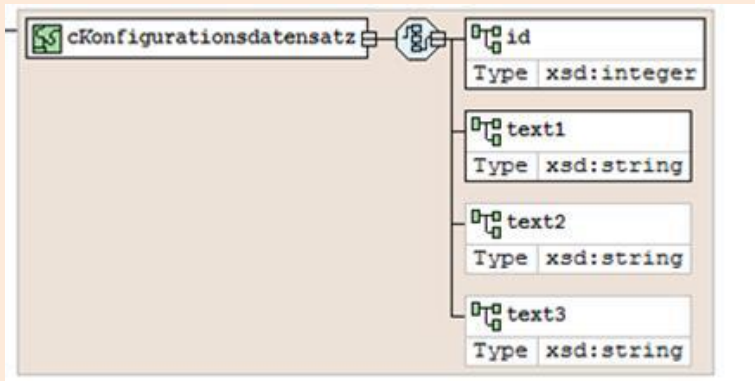


The request contains the tag "verarbeitung". This indicates which configuration list should be get.

Following indicators for configuration lists exists:

Indicator	Translation	Additional information
CONFIG-L-ANREDE	Salutations	The response contains all salutations and its ID's. Destination independent.
CONFIG-L-LAND	Countries	The response contains all countries, nationalities, ISO-Codes and Id's. Destination independent.
CONFIG-L-KAT	Categories	The response contains all categories depended of destination. Destination independent.

The response contains an Id and up to three texts.



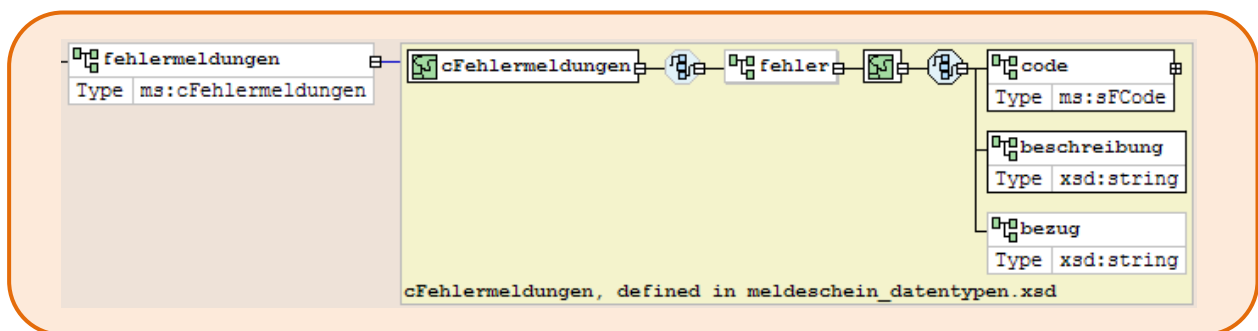
E.G.

```
<konfigliste>
  <konfigdatensatz>
    <id>123</id>
    <text1>string1</text1>
    <!--Element text2 is optional-->
    <text2>string2</text2>
  </konfigdatensatz>
  <konfigdatensatz>
    <id>234</id>
    <text1>string3</text1>
    <!--Element text2 is optional-->
    <text2>string4</text2>
  </konfigdatensatz>
  <konfigdatensatz>
    <id>345</id>
    <text1>string5</text1>
    <!--Element text2 is optional-->
    <text2>string6</text2>
  </konfigdatensatz>
</konfigliste>
```

The values should be used for booking registration forms. Every configuration data set contains the respective id and text. Alternative Texts respectively further informations about this dataset are present in the “text2” tag. If categories are requested, the “text2” tag contains the category token. If countries are requested the “text2” tag contains the name of the nationality and “text3” the iso-code.

7 Errorhandling

If a specified error occurs, the Webservice response contains an error code and an error message with a reference to a registration form number, booking number or person id. The Webservice client has to handle the error code and to proceed an error message to its software. In case of an unspecified error code the Webservice owner has to check up, which data were send. A summary of all specified error codes are in another document. If the response contains the error code 10001, then the operation was successfully done.



Example of errors

```
<fehlermeldungen>
  <fehler>
    <code>string</code>
    <beschreibung>string</beschreibung>
    <!--Element bezug is optional-->
    <bezug>string</bezug>
  </fehler>
  <fehler>
    <code>string</code>
    <beschreibung>string</beschreibung>
    <bezug>string</bezug>
  </fehler>
</fehlermeldungen>
```

8 Usecases

8.1 Book a new registration form

8.1.1 Description

This use case describes the creation of a registration form within a booking or reservation process. This should give you a clue how the process could be.

8.1.2 Actors

Actor token	Actor name
HT	Hotelier
WS	Registration form interface (Webservice)
BS	Booking system.

8.1.3 Trigger, prerequisite

The booking is applied at client side and should be transmitted and persisted.

8.1.4 Result, postcondition

The data is persisted, the registration form created and could be printed or the client gets an error code.

Nr.	Actor / System	Description
1.1	HT	The actor saves reservation data in its system.
1.2	BS	The booking system creates an interface object and completes the object "meldescheine" with the reservation data. In the end it calls the Webservice and transmits the object "meldescheine" to AVS.

1.3	WS	The Webservice receives the object and validate the data. Following error codes are possible:	
		Error code	Description
		10104	The booking number in combination with the object id isn't unique.
		10001	The combination of company id and object id isn't correct.
		10100	Arrival date is later then the departure date.
		10102	The period of stay of a follow traveler is outside of the main traveler's one.
		10103	No spa tax fee rate is present for one or more days of stay. No spa tax fee could be calculated.
		50110	The maximum duration of one or more categories are exceeding.
		10121	The category is invalid.
		10201	The pass of severely disabled is expired. (Additional field)
10111	The minimum count of people of a group registration form is exceeded.		
1.4	WS	The Webservice creates a new registration form. The interface object will be added with the spa tax fee, the registration form number, status id and an error code 10001 (successfully done)	
1.5	WS	If the validation fails the interface object contains an error code not equal 10001.	

1.6	BS	If the creation doesn't fail the registration form is prepared for printing and the response contains the error code 10001.
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8.2 Webservice isn't online

8.2.1 Actors

Actor token	Actor name
HT	Hotelier
BS	Booking system.

Nr.	Actor / System	Description
2.1	HT	The actor saves reservation data in its system.
2.2	BS	The booking system creates an interface object and completes the object "meldescheine" with the reservation data. At the end it tries to call the Webservice to transmit the object "meldescheine". The Webservice is not invocable.
2.3	BS	The booking system recognizes the error and presents an error message to the user. Alternatively the booking system can have an object pool. This pool can stores the objects temporally and a scheduler job can try to send the data later.

8.3 Update registration form

8.3.1 Description

At the booking system, an existing booking should be changed. This information should be transmitting to the registration form interface, too.

8.3.2 Actors

Actor token	Actor name
HT	Hotelier
WS	Registration form interface (Webservice)
BS	Booking system.

8.3.1 Trigger, prerequisite

A existing booking should be changed and saved.

8.3.2 Result, postcondition

The existing registration form stores the latest data or the booking system receives an error message.

Nr.	Actor / System	Description
3.1	HT	The actor calls in the booking system the existing reservation. After he did the changes, he saves the data in the booking system.
3.2	BS	The booking system gets the latest data with help of the booking number and the object id with the Webservice operation MS-HOLEN .
3.3	BS	The interface object “meldeschein” will be updated by the booking system.
3.4	BS	The booking system calls the Webservice method bucheMeldeschein and transmits the “meldeschein” object.
3.5	WS	The Webservice query with help of the “Meldescheinnummer” the registration form. If no registration form is found, the response contains the error code 10106.

3.6	WS	<p>The Webservice validates the received data. If the current registration form isn't updateable, the response contains the error code 10107. After this validation, the Webservice do the same validation like at a creation of a registration form.</p> <p>Remember:</p> <p>If the registration form had follow travelers or registration form group members don't forget to send these too. Otherwise all of these will be deleted! The person Ids can be queried with the operation holeMeldeschein.</p>
3.7	WS	<p>Exception: The validation failed and the response includes a error</p>

8.4 Printing registration form

8.4.1 Description

A Pdf should be printed

8.4.2 Actors

Actor token	Actor name
HT	Hotelier
WS	Registration form interface (Webservice)
BS	Booking system.

8.4.3 Trigger, prerequisite

An existing booking should be printed.

8.4.4 Result, postcondition

At the registration form system a PDF should be created and the status of the chosen registration form has to be switched to status “printed”.

Nr.	Actor / System	Description
4.1	HT	The actor calls in the booking system the existing reservation. After that he calls the printing function of his booking system.
4.2	BS	The booking system gets the latest information's of its registration form with help of the booking number and objectId.
4.3	BS	The booking system calls the Webservice method druckeMeldeschein . The request includes the registration form number, which was getting in the step before.
4.4	WS	<p>The Webservice query in the database the correct registration form with help of the registration form number. If no registration form is found, the response has the error code 10106.</p> <p>In case that the registration form isn't printable anymore, the response includes the error code 10110. If the minimum quantity of persons at a group registration form is deceed, the response includes the error code 10111.</p> <p>Otherwise the response contains PDF data base 64 coded</p>
4.5	BS	The booking system receives the data and creates a PDF file.