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## **XML interface v2.0 (standard)**

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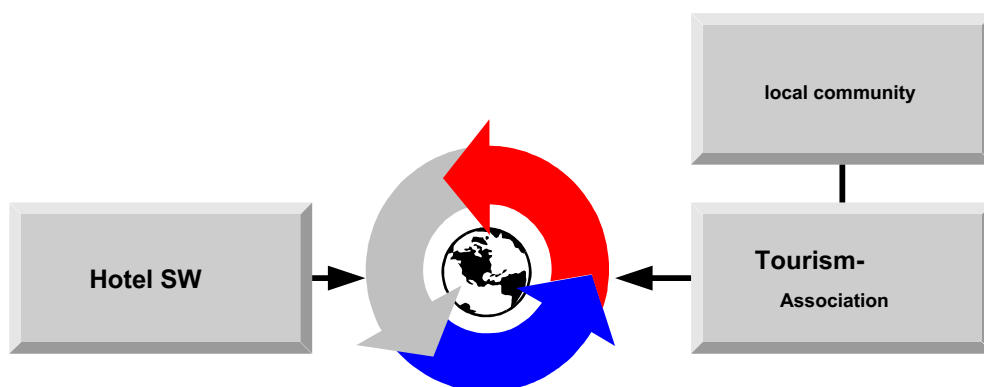
On an initiative of the state of Tyrol, the companies (alphabetical order):

- AMCS
- Data Systems Austria
- Feratel
- KUFGEM
- Thaler

developed a common interface for communication with any hotel software.

This is an XML (eXtensible Markup Language) interface (globally recognized transfer standard) that can be checked in connection with a schema.

Communication takes place via a corresponding Internet server from any operator. The transfer must be carried out securely in accordance with the data protection act.



## Changes to the XML interface v1.0

Country of origin	<p>was deleted without replacement</p> <p>(This field is still entered in the scheme for reasons of compatibility.)</p>
region	<p>was deleted without replacement</p> <p>(This field is still entered in the scheme for reasons of compatibility.)</p>
Country code	<p>was changed from int to string</p> <p>Enter a vehicle country code as in the fields nation and citizenship.</p> <p>This means that an international country table only needs to be stored.</p>
Postcode	<p>The zip code should be provided as a mandatory field if possible, otherwise a region cannot be derived.</p> <p>However, since there are countries without a postcode, the field was not explicitly defined as a required field.</p>

In order to make the implementation of the hotel software as simple as possible, two components are used by Data Systems Austria **free** made available.

### **JET WEB HotelAccess component**

Communication component for the transmission of guest sheets to a Microsoft Internet server. Xmlhttps is used as the protocol.

### **Component printing guest sheet**

(only in connection with the communication server of Data Systems Austria)

This component can be used to call up and print guest sheets sent from the DSA server.

Both components can be used offline, i.e. outside of the hotel software, or integrated into the hotel software. The chosen procedure is the responsibility of the manufacturer of the hotel software.

Taking the two components into account, the following workflow results.

1. Registration of guest sheets in the hotel software.
2. The data is processed and stored locally.
3. Export of the guest sheets to a local XML file
4. The guest sheets are written locally on the disk as an XML file according to the interface description.
5. Start of the JET WEB HotelAccess component component includes

These the following functions: Open file (open the local XML file) Validate

- file (check the syntax of the XML file) Login (authorization on the
- communication server) Send (transfer the guest sheets)
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6th depending on the operator (checking the received data) feedback as to whether

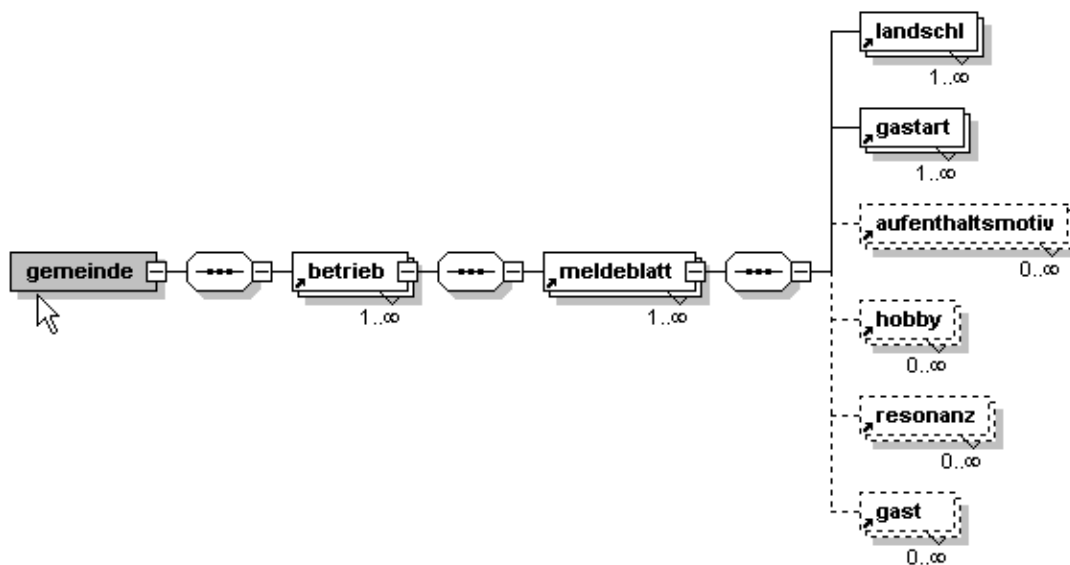
7th data have been correctly transmitted. Print guest sheet component

8th.

9. After proper authorization, this component reads out the "active guest sheets" on the DSA communication server. Individual guest sheets can then be printed out.

10. This component can later be expanded to include the creation of a guest card (subject to a charge).

## Scheme



### local community

General information about the municipality

### business

General information about operation

### Registration sheet

General information about the guest sheet (e.g. arrival, departure, guest sheet number, etc.)

### Country code

How many guests from which country are reported

### Guest type

How many people have which type of guest (e.g. free, obligatory, reduced)

### Motive for residence (optional)

What are the guests' motives for staying?

### Hobby (optional)

What hobbies do the guests have?

### Response (optional)

How did the guests become aware of their vacation spot?

### guest

Information about the guest (e.g. address, date of birth, etc.)

Field name	Type	Max. Length of text for the field	Explanation		
local community			Frequency: 1		
oestat	string	00030	Municipality number according to Statistics Austria		Required field
version	integrity	00005	Version number of the interface	e.g. 1.0	Required field
business			Frequency: 1 ... n		
company no	i8	00010	Accommodation establishment number		Required field
and much more	integrity	00003	Sub-lessor number		Optional
message sheet			Frequency: 1 ... n		
sheet no	i8	00008	Registration number - registration form number		Required field
editor	string	00030	Name of the operator in the hotel / TVB / GA		Required field
comment	string	00300	general information about the registration form	free text	Optional
stays	integrity	00005	how often has a guest been here	Define first stops	Target field
payment method	string	00002	Accounting key		Optional
Arrivals	date	00010	Arrival date (YYYY-MM-DD)		Required field
departure	date	00010	Departure date (YYYY-MM-DD)		Mandatory field (only on departure)
scheduled	date	00010	Planned departure date (YYYY-MM-DD)		Required field
tour group	boolean	00001	0/1	Travel group yes / no	Required field
undef1	string	00300	undefined field		Optional
undef2	string	00300	undefined field		Optional
undef3	string	00300	undefined field		Optional
landschl			Frequency: 1 ... n		
lkey no	string	00005	Short name of the nation	postal abbreviation	Required field
person	integrity	00005	Number of people		Required field
					1..maxLSproMblatt (KIM profile)

<b>gastart</b>			<b>Frequency: 1 ... n</b>		
gastart	string	00010	Abbreviation of the type of guest	is to be agreed with the respective municipality Sollfeld	
person	integrity	00005	Number of people		Required field
<b>guest</b>			<b>Frequency: 0 ... n</b>		
gastlfdnr	integrity	00002	serial number of the guest		Required field
guest type	string	00002	Type of guest (see instructions for completing the form)		
guest card no.	string	00030	Guest card number	Number of the guest card / EAN card / Chip-C.	Optional
salutation	string	00030			Target field
title	string	00030	title		Target field
First name	string	00040			Target field
Surname	string	00040			Target field
Street	string	00040			Target field
street2	string	00040			Optional
pobox	string	00040			Optional
nation	string	00010	Short name of the nation	postal abbreviation	Required field
Postcode	string	00010	Post Code		Mandatory / target field
place	string	00050			Target field
place addition	string	00050			Optional
date of birth	date	00010	(YYYY-MM-DD)		Target field
gender	integrity	00001	0 = unknown, 1 = male, 2 = female		Target field
travel document	string	00300			Target field
citizenship	string	00004	Short name of the country of origin	postal abbreviation	Target field
job	string	00050	job		Optional
occupation	string	00004		Employee, worker, civil servant	Optional
e-mail	string	00300	Email address of the guest		Optional
phone	string	00050	Telephone number of the guest		Optional
additional text	string	00300	free text		Optional

motive	string	00030	why is guest	related to the person	Optional
hobby	string	00030	what hobby has guest	related to the person	Optional
<b>motive for residence</b>		<b>Frequency: 0 ... n</b>			0..MBlattMotivErfassen (KIM profile) (optional)
motive	string	00030	why is guest	to be agreed with the respective municipality	Optional
<b>hobby</b>		<b>Frequency: 0 ... n</b>			
hobby	string	00030	what hobby does guest have	tennis	Optional
<b>resonance</b>		<b>Frequency: 0 ... n</b>			
resonance	string	00050	because of which contacts the guest comes	Promotion / regular guest / trade fair / press	Optional

#### Field lengths:

i8 Integer between –2147483648 and +2147483647 not limited by length

string

integrity Integer between –32767 and +32767

Required field absolutely necessary otherwise the transfer will be rejected

Target field should be filled in as far as possible (e.g. postcode - since postcodes are not provided in every country)

Optional free filling possible. If available, we recommend that you also send the data here so that there is no additional effort for later extensions.

## XML file (local output file)

```
<? xml version = "1.0" encoding = "UTF-8"?>
```

```
< local community oestat = "" version = " 1 ">
```

```
  < business company no = "" and much more = "">
```

```
    < message sheet sheet no = "" editor = "" comment = "" stays = "" payment method = "" Arrivals = "" departure = "" scheduled = ""  
      tour group = "" undef1 = "" undef2 = "" undef3 = "">
```

```
      < landschl      lkey no = "" person = "" />
```

```
      < gastart      gastart = "" person = "" />
```

```
      < motive for residence motive = "" />
```

```
      < hobbies hobby = "" />
```

```
      < resonance resonance = "" />
```

```
      < guest      gastlfdnr = "" guest type = "" guest card no = "" salutation = "" title = "" First name = "" Surname = "" Street = "" street2 = "" pobox = ""  
        nation = "" Postcode = "" place = "" place addition = "" date of birth = "" gender = "" travel document = "" citizenship = ""  
        job = "" occupation = "" e-mail = "" phone = "" additional text = "" motive = "" hobby = "" />
```

```
    </ message sheet >
```

```
  </ business >
```

```
</ local community >
```



## Filling instructions:

<b>local community</b>	<b>1 to 1</b>
oestat	Identifier of the municipality according to Statistics Austria
version	version of the interface (currently 1)
<b>business</b>	<b>1 to n</b>
company no	Identification of the company
and much more	ID of the sub-lessor
<b>message sheet</b>	<b>1 to n</b>
sheet no	Registration sheet number
	The registration sheet number can be obtained in two ways:
	1. through coordination with the municipality
	The number is issued on the parish. The number range issued is noted in the municipality of SW. Only issued numbers are accepted during import.
	2. automatic sequential number
	The serial number starts from 2,000,000. The use of the serial number must be agreed with the municipality.
editor	Name of the processor in the company (login) free text
comment	
stays	Number of stays of the guest in the region
payment method	
Arrivals	date of arrival
departure	date of departure
	The date of the planned departure is only mandatory when deregistering
scheduled	
	is mandatory if guest cards are issued 0/1 (whether it is a travel group free field
tour group	
undef1	
undef2	empty field
undef3	empty field
<b>landschl</b>	<b>1 to n</b>
lkey no	international country code
person	Number of people for country code
<b>gastart</b>	<b>1 to n</b>
gastart	Type of guest (e.g. free, required) is to be agreed with the municipality / TVB Number of people for
person	the type of guest

<b>guest</b>	<b>0 to n</b>
gastlfdnr	Guest serial number
	The following order is assumed: for families:
	1. Main registered person (HG)
	2. accompanying person (e.g. wife) (MP)
	3rd-6th accompanying children (KI)
	for travel groups:
	1. Tour guide (RL)
	2.-n Guests (RG)
guest type	HG = Main reported guest
	MP = Accompanying person
	AI = child
	RL = Tour guide
	RG = Tour group
guest card no	Guest card number
salutation	
title	
First name	
Surname	
Street	
street2	
pobox	
nation	
Postcode	The zip code should be provided as a mandatory field if possible, otherwise a region cannot be derived.
place	
place addition	
date of birth	
gender	0 = unknown, 1 = male, 2 = female
travel document	
national	
job	
occupation	
e-mail	
phone	
additional text	
motive	
hobby	
<b>motive for residence</b>	<b>0 to n</b>
motive	is to be agreed with the municipality / TVB
<b>hobby</b>	<b>0 to n</b>
hobby	
<b>resonance</b>	<b>0 to n</b>
resonance	

### Special treatment cancellation

Usually, companies are no longer allowed to change or cancel already registered guest sheets. However, the municipality has the option of authorizing its businesses for this function.

Arrival date = departure date must then be set in the interface.

## Guest sheet for families

```
<? xml version = "1.0" encoding = "UTF-8"?>
< local community xmlns = "x-schema: http://touristik.jet.at/definitions/meldeblatt_client_v10.xdr" oestat = "80239" version = "1">
  < business company no = "37">
    < message sheet sheet no = "4711" editor = "user" tour group = "0" stays = "1" Arrivals = "2001-07-01" scheduled = "2001-07-08">
      < landschl lkey no = "A" person = "3"/>
      < gastart gastart = "p" person = "2"/>
      < gastart gastart = "e" person = "1"/>
      < motive for residence motive = "vacation"/>
      < guest gastlfdnr = "1" guest type = "HG" salutation = "Mr" First name = "Peter" Surname = "Prohaska" Street = "Computerstrasse 6" nation = "A." Postcode = "1100" place = "Vienna" date of birth = "1957-11-25"
gender = "1" citizenship = "A."/>
      < guest gastlfdnr = "2" guest type = "MP" salutation = "woman" title = "Like." First name = "Gabriela" Surname = "Prohaska" Street = "Computerstrasse 6" nation = "A." Postcode = "1100" place = "Vienna"
date of birth = "1960-08-15" gender = "2" citizenship = "A."/>
      < guest gastlfdnr = "3" guest type = "AI" salutation = "woman" First name = "Martina" Surname = "Prohaska" Street = "Computerstrasse 6" nation = "A." Postcode = "1100" place = "Vienna" date of birth = "1988-10-31"
gender = "2" citizenship = "A."/>
    </ message sheet >
  </ business >
</ local community >
```

## Guest sheet for tour groups

In the case of tour groups, the name of the tour guide is recorded as the main guest.

The guests are totaled by country of origin and recorded in the country code section.

```
<? xml version = "1.0" encoding = "UTF-8"?>
< local community xmlns = "x-schema: http://touristik.jet.at/definitions/meldeblatt_client_v10.xdr" oestat = "80239" version = "1">
  < business company no = "37">
    < message sheet sheet no = "4711" editor = "user" stays = "0" Arrivals = "2001-07-01" scheduled = "2001-07-08" tour group = "1">
      < landschl lkey no = "A." person = "1"/>
      < landschl lkey no = "FRG" person = "5"/>
      < gastart gastart = "f" person = "1"/>
      < gastart gastart = "p" person = "5"/>
      < motive for residence motive = "vacation"/>
      < guest gastlfdnr = "1" guest type = "RL" salutation = "Mr" First name = "Peter" Surname = "Prohaska" Street = "Computerstrasse 6" nation = "A." Postcode = "1100" place = "Vienna" date of birth = "1957-11-25"
gender = "1" citizenship = "A."/>
    </ message sheet >
  </ business >
</ local community >
```

### Sending several guest sheets in one file (sample):

```
<? xml version = "1.0" encoding = "UTF-8"?>
< local community xmlns = "x-schema: http://touristik.jet.at/definitions/meldeblatt_client_v10.xdr" oestat = " 80239" version = " 1 ">
  < business company no = " 37 ">
    < message sheet sheet no = " 4711" editor = " user" stays = " 0" Arrivals = " 2001-07-01" scheduled = " 2001-07-08" tour group = " 1 ">
      < landschl lkey no = "A" person = " 1 "/>
      < landschl lkey no = "BRD" person = " 5 "/>
      < gastart gastart = " f" person = " 1 "/>
      < gastart gastart = " p" person = " 5 "/>
      < motive for residence motive = " vacation "/>
      < guest gastfdnr = " 1" guest type = " RL" salutation = " Mr" First name = " Peter" Surname = " Prohaska" Street = " Computerstrasse 6" nation = " A." Postcode = " 1100" place = " Vienna" date of birth = " 1957-11-25"
gender = " 1" citizenship = " A." />
    </ message sheet >
    < message sheet sheet no = " 4712" editor = " user" stays = " 0" Arrivals = " 2001-07-01" scheduled = " 2001-07-08" tour group = " 1 ">
      < landschl lkey no = "A" person = " 1 "/>
      < landschl lkey no = "BRD" person = " 5 "/>
      < gastart gastart = " f" person = " 1 "/>
      < gastart gastart = " p" person = " 5 "/>
      < motive for residence motive = " vacation "/>
      < guest gastfdnr = " 1" guest type = " RL" salutation = " Mr" First name = " Peter" Surname = " Mustermann" Street = " Computerstrasse 6" nation = " A." Postcode = " 1100" place = " Vienna" date of birth = " 1970-10-01"
gender = " 1" citizenship = " A." />
    </ message sheet >
  </ business >
</ local community >
```

## Special format GuestAccess

---

```
<xml>
<municipality oestat = "1" version = "2.0">
<company company number = "1961" and much more number = "0">
<meldeblatt mblattnr = "4004" worker = "community" stays = "0" arrival = "2008-12-19" departure = "2008-12-21" departure plan = "2008-12-22" travel
group = "0">
<landschl lschlNr = "1" anmpers = "1" />
<gastart gastart = "f" anzpers = "1" />
<gast gastlfdnr = "1" gasttyp = "HG" salutation = "Mr." first name = "Daniel" name = "Hospodar" street = "-----" nation = "A" zip code = "1120" ort = "Vienna" gender = "1" nationality
= "A" "country of origin = "1" "profession = "-----" "email =" danielhospodar@gmx.at "year of birth =" 1986 "/ >

</meldeblatt>
</operation>
</gemeinde>
</xml>
```

### Differences to the description for hotel software:

scheduled to depart	corresponds to the attribute "canceled" is no
country of origin	longer used
date of birth	corresponds to the attribute "birth year"
	Note: for reasons of compatibility, only the year of birth is transferred to the municipal software