



For Agency Websites

XML feeds and WebServices

Version 3.0 | October 2017

This document is updated constantly. Please, try to open it directly from:

http://feeds.avantio.com/doc/api_for_websites.pdf

Revision history

| Date | Version | Changes |
|----------------|---------|---|
| 2013 - 09 - 12 | 1.0 | |
| 2014 - 10 - 20 | 2.0 | Added new fields for currencies support. |
| 2015 - 01 - 27 | 2.1 | Added new Extras and Services codes. |
| 2015 - 02 - 23 | 2.2 | Added new Location info |
| 2015 - 04 - 14 | 2.3 | Added new fields in Accommodations.xml |
| 2015 - 07 - 01 | 2.4 | Added new feed: Services Updated Deposit extra payment methods |
| 2015 - 10 - 13 | 2.5 | Added new GetBookingList service |
| 2016 - 06 - 03 | 2.6 | Added reviews |
| 2016 - 07 - 06 | 2.7 | Added services to GetBookingPrice and SetBooking |
| 2016 - 09 - 20 | 2.8 | Updated internet service in Accommodations.xml Added new field in Availabilities.xml |
| 2016 - 10 - 10 | 2.9 | Promotional Codes supported in GetBookingPrice and SetBooking |
| 2017 - 01 - 09 | 2.10 | Added new fields in Descriptions.xml |
| 2017 - 04 - 14 | 2.11 | Added new field Reviews in Descriptions.xml |
| 2017 - 07 - 25 | 2.12 | Added new field Labels in Descriptions.xml |
| 2017 - 10 - 05 | 3.0 | Added new field VAT in Accommodations.xml, Rates.xml and PriceModifiers.xml |

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A. Feeds

1 General concepts

1.1 Introduction

The Avantio Feeds are designed for an integration of property data via XML files. Fulfillment can be done by yourself or by supplier (you must inform us what you choose).

In order to get the product into your database please consider the following:

- The product info is divided in several xml files.
- You have a file that contains geographical regions of accommodations, a file that contains all accommodation kings, other file have general information and features of accommodations, etc...
- There is a regular update of property data, pictures, description and prices.
- The basic property data, pictures and descriptions is updated twice a week, prices file twice a day and availabilities file every 3 hours.

1.2 Approval of the implemented solution

You will be granted access to the live environment after the respective sales office has

given approval for your solution.

2 Downloading data

File contents are in UTF-8 format.

2.1 Download via http

File's access through the following URL's

http://feeds.avantio.com/accommodations/#CODE_PARTNER#

http://feeds.avantio.com/descriptions/#CODE_PARTNER#

http://feeds.avantio.com/availabilities/#CODE_PARTNER#

http://feeds.avantio.com/rates/#CODE_PARTNER#

http://feeds.avantio.com/kinds/#CODE_PARTNER#

http://feeds.avantio.com/geographicareas/#CODE_PARTNER#

http://feeds.avantio.com/occupationalrules/#CODE_PARTNER#

http://feeds.avantio.com/pricemodifiers/#CODE_PARTNER#

http://feeds.avantio.com/services/#CODE_PARTNER#

* Field #CODE_PARTNER# must be replaced by Avantio code

2.2 Importing data into your database

The master data is provided in ZIP-format. Decompress these files with any Zip program and you will receive the original XML files.

3 Files

3.1 Accomodations.xml

3.1.1 General

This file contents all data about accommodations (except pictures, descriptions and Avantio system URL's. You can get this data in file Descriptions.xml).

This file is updated everyday.

3.1.2 The structure of Accommodations.xml

| L | Parameters | Type | Description |
|---|-----------------------------|--------------------|--|
| 1 | AccommodationList | tag | |
| 2 | Accommodation | tag | |
| 3 | AccommodationId | positiveInteger | Id of the accommodation |
| 3 | UserId | positiveInteger | Internal code of the accommodation. |
| 3 | Company | string | Login of the solicitor (company) of the accommodations |
| 3 | CompanyId | positiveInteger | Id of the solicitor (company) owner of the accommodation |
| 3 | AccommodationName | string | Name of the accommodation |
| 3 | IdGallery | nonNegativeInteger | Id of the gallery |
| 3 | OccupationalRuleId | nonNegativeInteger | Id of the Occupational rule |
| 3 | PriceModifierId | nonNegativeInteger | Id of the Price modifier |
| 3 | TouristicRegistrationNumber | string | Touristic registration number of the accommodation |
| 3 | UserKind | string | Kind of accommodation classified by the client |
| 3 | MasterKind | tag | |
| 4 | Code | positiveInteger | Id of the accommodation kind |
| 4 | Name | string | Name of the accommodation kind |
| 3 | HotelFeatures | tag | This tag only appears when the MasterKind is Hotel and describes some features which only are applicable to hotels |

| | | | |
|---|--------------------|--------------------|--|
| 4 | Stars | nonNegativeInteger | Number of stars of the hotel |
| 4 | Restaurant | string | It means if there is a restaurant in the hotel. Its values can be 'yes' or 'no' |
| 4 | Bar | string | It means if there is a bar in the hotel. Its values can be 'yes' or 'no' |
| 4 | MeetingHall | string | It means if there is a meeting hall in the hotel. Its values can be 'no', 'included in price' or 'not included in price' |
| 4 | Laundry | string | It means if there is a laundry in the hotel. Its values can be 'no', 'included in price' or 'not included in price' |
| 4 | Reception24 | string | It means if the reception of the hotel is open 24 hours a day. Its values can be 'yes' or 'no' |
| 4 | HeatedSwimmingPool | string | It means if there is a heated swimming pool in the hotel. Its values can be 'no', 'included in price' or 'not included in price' |
| 4 | Jaccuzzi | string | It means if there is a jaccuzzi in the hotel. Its values can be 'no', 'included in price' or 'not included in price' |
| 4 | Parking | string | It means if there is a parking in the hotel. Its values can be 'no', 'included in price' or 'not included in price' |
| 4 | Garage | string | It means if there is a garage in the hotel. Its values can be 'no', 'included in price' or 'not included in price' |
| 4 | Tennis | string | It means if there is a tennis court in the hotel. Its values can be 'no', 'included in price' or 'not included in price' |
| 4 | Gym | string | It means if there is a gym in the hotel. Its values can be 'no', 'included in price' or 'not included in price' |
| 4 | Sauna | string | It means if there is a sauna in the hotel. Its values can be 'no', |

| | | | |
|---|---------------------|--------------------|--|
| | | | 'included in price' or 'not included in price' |
| 3 | LocalizationData | tag | (see LocalizationData appendix) |
| 3 | AccommodationUnits | nonNegativeInteger | Number of units from this accommodation. |
| 3 | VAT | tag | VAT info |
| 4 | Included | Boolean | True if the accommodation prices includes VAT, false otherwise. |
| 4 | Percentage | Float | VAT percentage |
| 3 | Features | tag | In this tag are listed the features of the accommodation. They are divided in features which describe the accommodation distribution, features which name the extras of the accommodation, features of description of the localization and distance to the main interest places. |
| 3 | CheckInCheckOutInfo | tag | |
| 3 | Reviews | tag | See 7.12 Reviews section |
| 3 | Labels | tag | |
| 4 | Label | string | Labels assigned to the accommodation |

Example

```

<AccommodationList>
  <Accommodation>
    <AccommodationId>55631</AccommodationId>
    <UserId>1208720500</UserId>
    <Company>itsalojamientos</Company>
    <CompanyId>553</CompanyId>
    <AccommodationName>Santa Barbara 6/8</AccommodationName>
    <Purpose>ALQUILER</Purpose>
    <UserKind>Apartamento</UserKind>
    ...
  </Accommodation>
  <Accommodation>...</Accommodation>
  ...
</AccommodationList>

```

3.2 Descriptions.xml

3.2.1 General

This file contains the following information:

- Accommodation's text descriptions,
- All fields of an accommodation, those can be in different languages,
- URL's of the accommodation photos,
- URL to Avantio's system.

You need to note following parameters (FRMEntrada, FRMSalida, FRMAdultos) by GET method to use correctly URL's, DetailsURL and BookingURL.

In BookingURL parameters are required.

It is also recommended to introduce parameters in DetailsURL. It is useful for users. They just have to introduce dates and capacity once.

For example,

If we get the following address by BookingURL:

<http://crs.itsolutions.es/reserve-apartamento-javea-la-dorada-10-W29BCPZREDNA56478IES.html>

The right way to log in is:

<http://crs.itsolutions.es/reserve-apartamento-javea-la-dorada-10-W29BCPZREDNA56478IES.html?FRMEntrada=01/08/2012&FRMSalida=15/08/2012&FRMAdultos=2>

This file is updated everyday.

3.2.2 The structure of Descriptions.xml

| L | Parameters | Type | Description |
|---|-------------------|-----------------|---|
| 1 | AccommodationList | tag | |
| 2 | Accommodation | tag | |
| 3 | AccommodationId | positiveInteger | Id of the accommodation |
| 3 | Pictures | tag | |
| 4 | LastModified | date | Date of photo's last modified. Caution: If date is older than the last update, you don't need to load the file again, there wasn't any changes in it. |
| 4 | Picture | tag | Image of the accommodation |
| 5 | Name | string | Name Image |
| 5 | Description | string | Description Image |
| 5 | Type | string | Type Image |

| | | | |
|---|-----------------------|-----------------|---|
| 5 | ThumbnailURI | string | URL of a little picture of the accommodation. It is reduced in order to use it as a previsualization image |
| 5 | AdaptedURI | string | URL of the image in normal size but cut in a proportion of 4:3 for not suffering any deformation in its visualization |
| 5 | OriginalURI | string | URL of the original image |
| 3 | InternationalizedItem | tag | |
| 4 | Language | string | Language of the data |
| 4 | DetailsURL | string | URL of the accommodation in the Avantio system. |
| 4 | BookingURL | string | URL of the reservation in the Avantio system. |
| 4 | MasterKind | tag | |
| 5 | MasterKindCode | positiveInteger | Id of the kind of the accommodation |
| 5 | MasterKindName | string | Name of the kind of the accommodation |
| 4 | Country | tag | |
| 5 | CountryCode | positiveInteger | Code of the country |
| 5 | Name | string | Name of the country |
| 4 | Region | tag | |
| 5 | RegionCode | positiveInteger | Code of the region |
| 5 | Name | string | String of the region |
| 4 | City | tag | |
| 5 | CityCode | positiveInteger | Code of the city |
| 5 | Name | string | Name of the city |
| 4 | Locality | tag | |
| 5 | LocalityCode | positiveInteger | Code of the locality |
| 5 | Name | string | Name of the locality |
| 4 | District | tag | |

| | | | |
|---|----------------------|-----------------|--|
| 5 | DistrictCode | positiveInteger | Code of the district |
| 5 | Name | string | Name of the district |
| 4 | ExtrasSummary | tag | |
| 5 | ObligatoryOrIncluded | tag | List with obligatory or included extras (Array of tag Extra) |
| 5 | Optional | tag | List with optional extras (Array of tag Extra) |
| 6 | Extra | tag | |
| 7 | Extra - Name | string | Name of the extra |
| 7 | Extra - Description | string | Description of the extra |
| 4 | Description | string | Description of the accommodation |
| 4 | GalleryDescription | string | Description of the photo gallery |

Example

```

<AccommodationList>
  <Accommodation>...</Accommodation>
  <Accommodation>
    <AccommodationId>55631</AccommodationId>
    <Pictures>
      <Picture>
        <ThumbnailURI>http://www.xyz.com/xyz/xyz.jpg</ThumbnailURI>
        <AdaptedURI>http://www.xyz.com/xyz/xyz.jpg</AdaptedURI>
        <OriginalURI>http://www.xyz.com/xyz/xyz.jpg</OriginalURI>
      </Picture>
      <Picture>...</Picture>
      <Picture>...</Picture>
    </Pictures>
    <InternationalizedItem>
      <Language>es</Language>
      <DetailsURL>http://www.xyz.com/xyz.html</DetailsURL>
      <BookingURL>http://www.xyz.com/xyz.html</BookingURL>
      ...
      <Description>Apartamento en Javea / Xàbia</Description>
      <GalleryDescription>Apartamento en la playa.</GalleryDescription>
    </Internationalized>
    <Internationalized>...</Internationalized>
  </Accommodation>
</AccommodationList>

```

3.3 Availabilities.xml

3.3.1 General

The file Availabilities.xml contains the availability periods of all accommodations.

This file is updated every 3 hours.

3.3.2 The structure of Availabilities.xml

| L | Parameters | Type | Description |
|---|--------------------|----------------------|--|
| 1 | AvailabilitiesList | tag | |
| 2 | AccommodationList | tag | |
| 3 | Accommodation | tag | |
| 4 | AccommodationId | positiveInteger | Id of the accommodation |
| 4 | Availabilities | tag | |
| 5 | AvailabilityPeriod | tag | |
| 6 | PeriodCode | positiveInteger | Id of the availability period |
| 6 | StartDate | date (yyyy-mm-dd) | Starting date of the availability period |
| 6 | EndDate | date (yyyy-mm-dd) | Ending date of the availability period |
| 6 | State | string | State of the accommodation at this period. It can be either AVAILABLE or UNAVAILABLE |
| 4 | MinDaysNotice | nonNegativeInteger | How close to the current date can a guest make a reservation. |

Example

```
<AvailabilitiesList>
  <AccommodationList>
    <Accommodation>
      <AccommodationId>55713</AccommodationId>
      <Availabilities>
        <AvailabilityPeriod>
          <PeriodCode>3354938000</PeriodCode>
          <StartDate>2008-05-06</StartDate>
          <EndDate>2010-01-01</EndDate>
          <State>UNAVAILABLE</State>
        </AvailabilityPeriod>
        <AvailabilityPeriod>
          <PeriodCode>3355938000</PeriodCode>
          <StartDate>2010-01-02</StartDate>
          <EndDate>2038-01-01</EndDate>
          <State>AVAILABLE</State>
        </AvailabilityPeriod>
      </Availabilities>
    </Accommodation>
    <Accommodation>...</Accommodation>
  </AccommodationList>
</AvailabilitiesList>
```

3.4 Rates.xml

3.4.1 General

The file Rates.xml contains the current rates of all accommodations.

This file is updated several times a day.

3.4.2 The structure of Rates.xml

| L | Parameters | Type | Description |
|---|-------------------|----------------------|---|
| 1 | RatesList | tag | |
| 2 | AccommodationList | tag | |
| 3 | Accommodation | tag | |
| 4 | AccommodationCode | positiveInteger | Id of the accommodation |
| 4 | Rates | tag | |
| 5 | RatePeriod | tag | |
| 6 | StartDate | date (yyyy-mm-dd) | Starting date of the rate period |
| 6 | EndDate | date (yyyy-mm-dd) | Ending date of the rate period |
| 6 | RoomOnly | tag | |
| 7 | Type | string | Type of the price. It indicates if the price is per person or per accommodation |
| 7 | Price | float | Price just for the accommodation |
| 6 | BedAndBreakfast | tag | |
| 7 | Type | string | Type of the price. It indicates if the price is per person or per accommodation |
| 7 | Price | float | If the field Type = "ByPax" it indicates the accommodation price plus the breakfast price. Otherwise, if the field is "ByAccommodation" it indicates the price of the breakfast (without the price of the accommodation). |
| 6 | HalfBoard | tag | |
| 7 | Type | string | Type of the price. It indicates if the price is per person or per |

| | | | |
|---|-------------|--------|---|
| | | | accommodation |
| 7 | Price | float | If the field Type = "ByPax" it indicates the accommodation price plus half board price. Otherwise, if the field is "ByAccommodation" it indicates the price of the half board (without the price of the accommodation). |
| 6 | FullBoard | tag | |
| 7 | Type | string | Type of the price. It indicates if the price is per person or per accommodation |
| 7 | Price | float | If the field Type = "ByPax" it indicates the accommodation price plus full board price. Otherwise, if the field is "ByAccommodation" it indicates the price of the full board (without the price of the accommodation). |
| 6 | AllIncluded | tag | |
| 7 | Type | string | Type of the price. It indicates if the price is per person or per accommodation |
| 7 | Price | float | If the field Type = "ByPax" it indicates the accommodation price plus all included price. Otherwise, if field is "ByAccommodation" it indicates the price of the all included (without the price of the accommodation). |
| 6 | Discounts | tag | |
| 7 | ThirdPerson | tag | |
| 8 | Type | string | Type of the discount. It can be: '%' |
| 8 | Discount | float | It indicates possible discounts for the third person. Discounts only valid when the accommodation has rates per person. |
| 7 | ForthPerson | tag | |

| | | | |
|---|---------------|--------|--|
| 8 | Type | string | Type of the discount. It can be: '%' |
| 8 | Discount | float | It indicates possible discounts for the fourth person. Discounts only valid when the accommodation has rates per person. |
| 7 | FifthPerson | tag | |
| 8 | Type | string | Type of the discount. It can be: '%' |
| 8 | Discount | float | It indicates possible discounts for the fifth person. Discounts only valid when the accommodation has rates per person. |
| 7 | SixthPerson | tag | |
| 8 | Type | string | Type of the discount. It can be: '%' |
| 8 | Discount | float | It indicates possible discounts for the sixth person. Discounts only valid when the accommodation has rates per person. |
| 7 | SeventhPerson | tag | |
| 8 | Type | string | Type of the discount. It can be: '%' |
| 8 | Discount | float | It indicates possible discounts for the seventh person. Discounts only valid when the accommodation has rates per person. |
| 7 | FirstChild | tag | |
| 8 | Type | string | Type of the discount. It can be: '%' |
| 8 | Discount | float | It indicates possible discounts for the first child. Discounts only valid when the accommodation has rates per person. |

| | | | |
|---|------------------------------|--------------------|--|
| 7 | SecondChild | tag | |
| 8 | Type | string | Type of the discount. It can be: '%' |
| 8 | Discount | float | It indicates possible discounts for the second child. Discounts only valid when the accommodation has rates per person. |
| 7 | ThirdChild | tag | |
| 8 | Type | string | Type of the discount. It can be: '%' |
| 8 | Discount | float | It indicates possible discounts for the third child. Discounts only valid when the accommodation has rates per person. |
| 7 | ForthChild | tag | |
| 8 | Type | string | Type of the discount. It can be: '%' |
| 8 | Discount | float | It indicates possible discounts for the fourth child. Discounts only valid when the accommodation has rates per person. |
| 6 | Supplements | tag | |
| 7 | SingleSupplement | tag | |
| 8 | Type | string | Type of the supplement. It can be: '%', 'euros' |
| 8 | Supplement | float | It is only applicable when just one person has booked. Supplement valid when the accommodation has rates per person. |
| 7 | SupplementByAdditionalPerson | tag | |
| 8 | ApplicableFromNumberPeople | nonNegativeInteger | This supplement is applicable to the amount of people that exceed the parameter. |
| 8 | Supplement | float | Supplement for additional |

| | | | |
|---|------------|---------|--|
| | | | people. It is only valid when the accommodation has rates per accommodation. |
| 6 | Currency | string | ISO 3-digit Currency Code in which monetary values are presented for the unit. |
| 6 | VAT | tag | VAT info |
| 7 | Included | Boolean | True if the accommodation prices includes VAT, false otherwise. |
| 7 | Percentage | Float | VAT percentage |

Example

```

<RatesList>
  <AccommodationList>
    <Accommodation>
      <AccommodationId>19809</AccommodationId>
      <Rates>
        <RatePeriod>
          <StartDate>2011-09-16</StartDate>
          <EndDate>2011-10-29</EndDate>
          <RoomOnly>
            <Type>ByPax</Type>
            <Price>55.01</Price>
          </RoomOnly>
          <BedAndBreakfast>
            <Type>ByPax</Type>
            <Price>65</Price>
          </BedAndBreakfast>
          <HalfBoard>
            <Type>ByPax</Type>
            <Price>75</Price>
          </HalfBoard>
          ...
          <Currency>USD</Currency>
        </RatePeriod>
        <RatePeriod>...</RatePeriod>
      </Rates>
    </Accommodation>
    </Accommodation>...</Accommodation>
  </AccommodationList>
</RatesList>

```

3.5 Kinds.xml

3.5.1 General

This file contains a list of all kinds of accommodations that own a broker. Accommodation's type are in several languages.

This file is updated twice a week.

3.5.2 The structure of Kinds.xml

| L | Parameters | Type | Description |
|---|------------------------|-----------------|---|
| 1 | AccommodationKinds | tag | |
| 2 | InternationalizedKinds | tag | |
| 3 | MasterKind | tag | |
| 3 | Language | string | Language in which is returned the kinds of the accommodations |
| 3 | MasterKind | tag | |
| 4 | MasterKindCode | positiveInteger | Id of the kind of the accommodation |
| 4 | MasterKindName | string | Name of the kind of the accommodation |

Example

```

<AccommodationKinds>
  <InternationalizedKinds>
    <Language>es</Language>
    <MasterKind>
      <MasterKindCode>4</MasterKindCode>
      <MasterKindName>Apartahotel</MasterKindName>
    </MasterKind>
    <MasterKind>
      <MasterKindCode>1</MasterKindCode>
      <MasterKindName>Apartamento</MasterKindName>
    </MasterKind>
    <MasterKind>...</MasterKind>
  </InternationalizedKinds>
  <InternationalizedKinds>...</InternationalizedKinds>
</AccommodationKinds>

```

3.6 GeographicAreas.xml

3.6.1 General

The file "GeographicAreas.xml" contains a structure such as Countries > Regions > Cities > Localities > Districts in which the broker has accommodations. This structure is based on the geographic regions of the countries. It is the seam structure for each language.

This file is updated twice a week.

3.6.2 The structure of GeographicAreas.xml

| L | Parameters | Type | Description |
|----|-----------------------|-----------------|----------------------|
| 1 | GeographicAreas | tag | |
| 2 | InternationalizedItem | tag | |
| 3 | Language | string | Language |
| 3 | Counties | tag | |
| 4 | Country | tag | |
| 5 | CountryCode | positiveInteger | Id of the country |
| 5 | Name | string | Name of the country |
| 5 | Regions | tag | |
| 6 | Region | tag | |
| 7 | RegionCode | positiveInteger | Id of the region |
| 7 | Name | string | Name of the region |
| 7 | Cities | tag | |
| 8 | City | tag | |
| 9 | CityCode | positiveInteger | Id of the city |
| 9 | Name | string | Name of the city |
| 9 | Localities | tag | |
| 10 | Locality | tag | |
| 11 | LocalityCode | positiveInteger | Id of the locality |
| 11 | Name | string | Name of the locality |
| 11 | Districts | tag | |
| 12 | District | tag | |

| | | | |
|----|--------------|-----------------|-----------------------------|
| 13 | DistrictCode | positiveInteger | Id of the district |
| 13 | PostalCode | string | Postal code of the district |
| 13 | Name | string | Name of the district |

Example

```

<GeographicAreas>
  <InternationalizedItem>
    <Language>es</Language>
    <Countries>
      <Country>
        <CountryCode>1</CountryCode>
        <Name>España</Name>
        <Regions>
          <Region>
            <RegionCode>1</RegionCode>
            <Name>C. Valenciana</Name>
            <Cities>
              <City>
                <CityCode>1</CityCode>
                <Name>Valencia</Name>
                <Localities>
                  <Locality>
                    <LocalityCode>74</LocalityCode>
                    <Name>Valencia ciudad</Name>
                    <Districts>
                      <District>
                        <DistrictCode>3</DistrictCode>
                        <PostalCode>46002</PostalCode>
                        <Name>Barrio del Carmen</Name>
                      </District>
                      <District>...</District>
                    </Districts>
                  </Locality>
                  <Locality>...</Locality>
                </Localities>
              </City>
              <City>...</City>
            </Cities>
          </Region>
          <Region>...</Region>
        </Regions>
      </Country>
      <Country>...</Country>
    </Countries>
  </InternationalizedItem>
</GeographicAreas>

```

3.7 OccupationalRules.xml

3.7.1 General

The occupational rules are rules which restrict the check in, check out days and the length of the online booking. They can permit either the days of the week (Monday, Tuesday and so on) or the days of the month (1, 2...31) in which people are allowed to book an accommodation, forbidding the rest of the days. Also they defined the minimum length of the booking.

Note:

If any OccupationalRuleId, found in Accommodations.xml file, is not defined on the OccupationalRules.xml file means that the rule is expired and we do not have valid information about it.

This file is updated everyday.

3.7.2 The structure of OccupationalRules.xml

| L | Parameters | Type | Description |
|---|----------------------|--------------------|---|
| 1 | OccupationalRuleList | tag | |
| 2 | OccupationalRule | tag | |
| 3 | Id | nonNegativeInteger | Occupational rule id. |
| 3 | Name | string | Name of the occupational rule. |
| 3 | Season | tag | |
| 4 | StartDate | date (yyyy-mm-dd) | Start date of the occupational rule |
| 4 | EndDate | date (yyyy-mm-dd) | End date of the occupational rule |
| 4 | MinimumNights | nonNegativeInteger | Minimum number of nights to make a booking |
| 4 | MinimumNightsOnline | nonNegativeInteger | Minimum number of nights to make a booking online |
| 4 | MaximumNights | nonNegativeInteger | Maximum number of nights to make a booking |
| 4 | CheckInDays | tag | Days in which are allowed to enter to the accommodation |
| 5 | WeekDay | string | Day of the week in which is allowed to enter to the accommodation. The possible values are: (MONDAY, TUESDAY, WEDNESDAY, THURSDAY, FRIDAY, SATURDAY, and SUNDAY). |

| | | | |
|---|--------------|-----------------|--|
| 5 | MonthDay | positiveInteger | Day of the month in which is allowed to enter to the accommodation. The possible values are from 1 to 31. |
| 4 | CheckOutDays | tag | Days in which are allowed to leave the accommodation |
| 5 | WeekDay | string | Day of the week in which is allowed to leave the accommodation. The possible values are: (MONDAY, TUESDAY, WEDNESDAY, THURSDAY, FRIDAY, SATURDAY, and SUNDAY). |
| 5 | MonthDay | positiveInteger | Day of the month in which is allowed to leave the accommodation. The possible values are from 1 to 31. |

Example

```
<OccupationalRuleList>
  <OccupationalRule>
    <Id>204</Id>
    <Name>Regla por defecto (default)</Name>
    <Season>
      <StartDate>2012-11-01</StartDate>
      <EndDate>2013-04-31</EndDate>
      <MinimumNights>1</MinimumNights>
      <MinimumNightsOnline>1</MinimumNightsOnline>
      <CheckInDays>
        <WeekDay>MONDAY</WeekDay>
        <WeekDay>TUESDAY</WeekDay>
        <WeekDay>WEDNESDAY</WeekDay>
        <WeekDay>THURSDAY</WeekDay>
        <WeekDay>FRIDAY</WeekDay>
        <WeekDay>SATURDAY</WeekDay>
        <WeekDay>SUNDAY</WeekDay>
      </CheckInDays>
      <CheckOutDays>
        <WeekDay>MONDAY</WeekDay>
        <WeekDay>TUESDAY</WeekDay>
        <WeekDay>WEDNESDAY</WeekDay>
        <WeekDay>THURSDAY</WeekDay>
        <WeekDay>FRIDAY</WeekDay>
        <WeekDay>SATURDAY</WeekDay>
        <WeekDay>SUNDAY</WeekDay>
      </CheckOutDays>
    </Season>
    <Season>
      <StartDate>2013-05-01</StartDate>
      <EndDate>2013-10-31</EndDate>
      <MinimumNights>7</MinimumNights>
      <MinimumNightsOnline>1</MinimumNightsOnline>
      <CheckInDays>
        <MonthDay>7</MonthDay>
        <MonthDay>14</MonthDay>
        <MonthDay>21</MonthDay>
        <MonthDay>28</MonthDay>
      </CheckInDays>
      <CheckOutDays>
        <MonthDay>7</MonthDay>
        <MonthDay>14</MonthDay>
        <MonthDay>21</MonthDay>
        <MonthDay>28</MonthDay>
      </CheckOutDays>
    </Season>
  </OccupationalRule>
</OccupationalRuleList>
```

3.8 PriceModifiers.xml

3.8.1 General

The file contains the discounts and the supplements of the accommodation.

Please see 7.8 Price modifiers - Calculating amounts appendix.

This file is updated everyday.

3.8.2 The structure of PriceModifiers.xml

| L | Parameters | Type | Description |
|---|-------------------|----------------------|---|
| 1 | PriceModifierList | tag | |
| 2 | PriceModifier | tag | |
| 3 | Id | nonNegativeInteger | Price modifier id. |
| 3 | Name | string | Name of the price modifier. |
| 3 | MaximumPercentage | nonPositiveInteger | Maximum discount allowed |
| 3 | Season | tag | |
| 4 | Kind | tag | |
| 5 | Code | string | Kind of price modifier. (see 7.9 Price modifiers - Kind codes) |
| 5 | IsCumulative | boolean | True if is cumulative, false otherwise. |
| 4 | StartDate | date (yyyy-mm-dd) | First day in which the supplement or the discount is applicable |
| 4 | EndDate | date (yyyy-mm-dd) | Last day in which the supplement or the discount is applicable |
| 4 | MinNumberOfNights | nonNegativeInteger | If this field exists, it means that the discount will take effect only if the number of nights of the booking is greater than this value. |
| 4 | MaxNumberOfNights | nonNegativeInteger | If this field exists, it means that the supplement will take effect only if the number of nights of the booking is fewer than this value. |
| 4 | NumberOfNights | nonNegativeInteger | If this field exists, it means that the supplement or the discount will take effect only if the number of nights of the booking |

| | | | |
|---|------------------------|----------------------|--|
| | | | is equal to this value. |
| 4 | MaxDate | date (yyyy-mm-dd) | Maximum date for application. |
| 4 | DaysAdvance | nonNegativeInteger | Minimum days advance before arrival date of booking. |
| 4 | DiscountSupplementType | string | <p>If this field is "percent", it means that the Amount tag is given in percentage of the final price.</p> <p>If this field is "amount", it means that the Amount tag is the quantity in monetary units to add or subtract to the final price.</p> <p>If this field is "days", it means that the Amount tag is the quantity of days that are free.</p> |
| 4 | Amount | float | <p>Amount of supplement or discount.</p> <p>This value can refer either to money (if Type="euros"), or percentage of the final price (if Type="%"), or days (if Type="days").</p> <p>Positive values for supplements, negative for discounts.</p> <p>Take in mind that even if Type="days" a negative number means discount and positive supplement.</p> |
| 4 | Currency | string | ISO 3-digit Currency Code in which monetary values are presented for the unit. |
| 4 | VAT | tag | VAT info |
| 5 | Included | Boolean | True if the accommodation prices includes VAT, false otherwise. |
| 5 | Percentage | Float | VAT percentage |

Example

```
<PriceModifierList>
  <PriceModifier>
    <Id>171</Id>
    <Name>REGLA-GENERAL</Name>
    <Season>
      <StartDate>2013-01-02</StartDate>
      <EndDate>2013-06-14</EndDate>
      <NumberOfNights>4</NumberOfNights>
      <DiscountSupplementType>percent</DiscountSupplementType>
      <Amount>50</Amount>
    </Season>
    <Season>
      <StartDate>2013-01-02</StartDate>
      <EndDate>2013-06-14</EndDate>
      <NumberOfNights>5</NumberOfNights>
      <DiscountSupplementType>percent</DiscountSupplementType>
      <Amount>30</Amount>
    </Season>
    <Season>
      <StartDate>2013-09-14</StartDate>
      <EndDate>2013-12-20</EndDate>
      <NumberOfNights>5</NumberOfNights>
      <DiscountSupplementType>percent</DiscountSupplementType>
      <Amount>30</Amount>
    </Season>
    <Season>
      <StartDate>2013-09-14</StartDate>
      <EndDate>2013-12-20</EndDate>
      <NumberOfNights>4</NumberOfNights>
      <DiscountSupplementType>percent</DiscountSupplementType>
      <Amount>50</Amount>
    </Season>
    <Season>
      <StartDate>2013-12-21</StartDate>
      <EndDate>2014-01-02</EndDate>
      <MaxNumberOfNights>7</MaxNumberOfNights>
      <DiscountSupplementType>amount</DiscountSupplementType>
      <Amount>75</Amount>
      <Currency>EUR</Currency>
    </Season>
  </PriceModifier>
  <PriceModifier>...</PriceModifier>
</PriceModifierList>
```

3.9 Services.xml

3.9.1 General

This file contains a list of all possible services that an accommodation may have. The names of the services are represented in several languages.

This file is updated twice a week.

3.9.2 The structure of Services.xml

| Parameters | Type | Description |
|------------|--------|----------------------|
| Services | tag | |
| Service | tag | |
| Code | string | Code of the service. |
| Name | tag | |
| Language | string | Text language. |
| Text | string | Name of the service. |

Example

```

<Services>
  <Service>
    <Code>1</Code>
    <Name>
      <Language>es</Language>
      <Text>Calefacción</Text>
    </Name>
    <Name>
      <Language>en</Language>
      <Text>Heating</Text>
    </Name>
    <Name>
      <Language>du</Language>
      <Text>Verwarming</Text>
    </Name>
    <Name>
      <Language>it</Language>
      <Text>Riscaldamento</Text>
    </Name>
    ...
  </Service>
</Services>

```

B. WebServices

4 General concepts

4.1 Introduction

In order to access to the data from its online booking central (CRS), Avantio has set up several web services with which it is possible to obtain information in an uniform and standard approach.

A web service is a set of protocols and standards that are used to exchange data between applications. Different software applications developed in any programming language and executed on any computer can use the web services to exchange data on computer nets such as Internet. The interoperability is achieved by the adoption of open standards.

The current version of ITS' web services uses:

- SOAP 1.1 as accessing protocol,
- WSDL documents to define the interfaces of the services

This document tries to explain and clarify the manner of consuming the CRS web service interface. To do so, it is going to show how to access the services and list their interfaces.

5 Web Services

5.1 Access

Web service interface is published in a WSDL format at:

<http://ws.avantio.com/soap/vrmsConnectionServices.php?wsdl>

It describes the XML structure of the request and the response of the different operations that compose the CRS interface.

5.2 Testing

In order to view the structure of the wsdl and test the CRS interface, we strongly recommend using any software which permits to do so.

5.2.1 Testing with Eclipse

Eclipse's web services explorer is an application which is integrated in eclipse platform that can be used for our purposes.

First of all, we have to open our wsdl

<http://ws.avantio.com/soap/vrmsConnectionServices.php?wsdl>

Once opened, in the navigator (the panel on the left), you can see a list of all the operations that compose the crsConnectionInterface.

Here, you can choose the operation that you want to test and, immediately, in the actions panel (the panel on top right) you will see the structure and the type of the parameters of the operation:

In order to test the operation you have to fill the parameters and click “Go”. Then, the response will appear in the bottom right panel. Here you can see the response either in a form or in xml:

5.2.2 Testing with SoapUI

On the other hand, you can use SoapUI which is a free and open source desktop application for inspecting web services, invoking web services, and much more functionalities.

Download SoapUI: <http://www.soapui.org/>

5.3 Support

Avantio will provide support during the development phase of your web services. We will support the operation of the SOAP interface. However, the actual implementation into your application is not supported by Avantio, regardless of which programming language you use.

5.4 Example: request of is available in php

```
<?php

try{
    $client = new
SoapClient('http://ws.avantio.com/soap/vrmsConnectionServices.php?wsdl');

    $credentials = array(
        "Language" => "ES",
        "UserName" => #username#,
        "Password" => #password#
    );
    $criteria = array(
        "Accommodation" => array(
            "AccommodationCode" => #AccommodationId#,
            "UserCode" => #UserId#,
            "LoginGA" => #Company#
        ),
        "Occupants" => array(
            "AdultsNumber" => 2
        ),
        "DateFrom" => "yyyy-mm-dd",
        "DateTo" => "yyyy-mm-dd"
    );
    $request = array(
        "Credentials" => $credentials,
        "Criteria" => $criteria
    );
    $result = $client->IsAvailable($request);
    print_r($result);
}
catch(SoapFault $e){
    echo $e;
}
```

6 Web services in detail

These Web services are designed for portals or brokers, in order to add properties to their inventory.

As noticed in the example before, most of services have two parts: "Credentials" and "Criteria":

- "Credentials" is the part of the request in which to insert the username and the password of the partner who is going to access the web service. In addition, we also put the language (see 7 Language codes) in which it is going to receive the data. If the language is not set, it the behavior depends on the service: either it can return the data in Spanish by default or return the data in all the languages.

| Parameter | Type | Description |
|-----------|--------|--|
| Language | String | Code of the language in which the information will be returned |
| UserName | String | Username to use the web services |
| Password | String | Password to use the web services |

- "Criteria" is the part of the request where we insert the criterions with which the response is going to be filtered.

From here, in order to construct a client to access to the web services, we should take a look to the wsdl document and fill the request with the correct structure and parameters (see part 5.2.Testing).

In the next part of the document will be described the parameters of each operation of the web services interface.

6.1 IsAvailable

6.1.2 Description

The Operation IsAvailable informs whether or not an accommodation is available for certain dates and number of people.

6.1.3 Parameters of the request

| Parameters | Type | Description |
|-------------------|--------------------|--|
| AccommodationCode | positiveInteger | Id of the accommodation |
| UserCode | positiveInteger | Internal code of the accommodation |
| LoginGA | string | Login of the solicitor (company) of the accommodations |
| AdultsNumber | positiveInteger | Number of adults |
| Child1_Age | nonNegativeInteger | Age of the first child |
| Child2_Age | nonNegativeInteger | Age of the second child |
| Child3_Age | nonNegativeInteger | Age of the third child |
| Child4_Age | nonNegativeInteger | Age of the forth child |
| Child5_Age | nonNegativeInteger | Age of the fifth child |
| Child6_Age | nonNegativeInteger | Age of the sixth child |
| DateFrom | date (yyyy-mm-dd) | Date of the first day of stay |
| DateTo | date (yyyy-mm-dd) | Date of the last night of stay (Caution: it is not the check out date) |

6.1.4 Response

| Parameters | Type | Description |
|------------------|-----------------|--|
| AvailableCode | positiveInteger | Code which indicates whether or not the accommodation is available and why is not available. (see appendix 7.10 IsAvailable codes) |
| AvailableMessage | string | Short message that explains the AvailableCode |

| | | |
|---------------------|--------------------|---|
| OccupationalRule | | In case of the accommodation is not available because of some occupational rule, the rule will be showed in this tag. |
| MinimumNights | nonNegativeInteger | This field indicates that the accommodation is not available unless you book the accommodation for this number of nights or more. |
| MinimumNightsOnline | nonNegativeInteger | This field indicates that the accommodation is not available for online bookings unless you book the accommodation for this number of nights or more. |
| MaximumNights | nonNegativeInteger | This field indicates that the accommodation is not available unless you book the accommodation for this number of nights or less. |
| StartDate | date | First day of the occupational rule |
| EndDate | date | Last night of the occupational rule |
| CheckInDays | tag | Days in which you can check in |
| Weekday | string | Name of a day of the week (MONDAY, TUESDAY, WEDNESDAY, THURSDAY, FRIDAY, SATURDAY, SUNDAY). |
| Monthday | int | Number of a day of the month |
| CheckOutDays | tag | Days in which you can check out. |

6.2 GetBookingPrice

6.2.1 Description

The operation GetBookingPrice returns the different prices that would cost a booking for the selected dates and number of people. This operation considers the discounts and supplements applied to the accommodation.

CAUTION: the parameters "WithoutOffer" do not consider discounts and supplements.

6.2.2 Parameters of the request

| Parameters | Type | Description |
|-------------------|----------------------|--|
| Accommodation | tag | |
| AccommodationCode | positiveInteger | Id of the accommodation to make the booking |
| LoginGA | string | Login of the solicitor (company) of the accommodations |
| UserCode | positiveInteger | Intern id of the accommodation |
| Occupants | tag | |
| AdultsNumber | positiveInteger | Number of adults |
| Child1_Age | nonNegativeInteger | Age of the first child |
| Child2_Age | nonNegativeInteger | Age of the second child |
| Child3_Age | nonNegativeInteger | Age of the third child |
| Child4_Age | nonNegativeInteger | Age of the fourth child |
| Child5_Age | nonNegativeInteger | Age of the fifth child |
| Child6_Age | nonNegativeInteger | Age of the sixth child |
| ArrivalDate | date (yyyy-mm-dd) | Check in date |
| DepartureDate | date (yyyy-mm-dd) | Check out date |
| Services | tag | |
| Service | tag | |

| | | |
|-----------------|-----------------|---|
| Code | positiveInteger | Code of the service |
| Amount | positiveInteger | Number of units of the service. If not provided, the default value is 1 |
| PromotionalCode | string | Promotional code to apply |

6.2.3 Response

| Parameters | Type | Description |
|-----------------------------|-------|--|
| RoomOnly | float | Price of the accommodation without extras |
| BedAndBreakfast | float | Price of the accommodation plus breakfast without extras |
| HalfBoard | float | Price of half board without extras |
| FullBoard | float | Price of the full board without extras |
| AllIncluded | float | Price of all included without extras |
| RoomOnlyFinal | float | Final booking price of the accommodation |
| BedAndBreakfastFinal | float | Final booking price of the accommodation plus breakfast |
| HalfBoardFinal | float | Final booking price of half board |
| FullBoardFinal | float | Final booking price of the full board |
| AllIncludedFinal | float | Final booking price of all included |
| RoomOnlyWithoutOffer | float | Price of the accommodation without extras and discounts and/or supplements applied. |
| BedAndBreakfastWithoutOffer | float | Price of the accommodation plus breakfast without extras and discounts and/or supplements applied. |
| HalfBoardWithoutOffer | float | Price of half board without extras and discounts and/or supplements applied. |
| FullBoardWithoutOffer | float | Price of the full board without extras and discounts and/or supplements applied. |
| AllIncludedWithoutOffer | float | Price of all included without extras and discounts and/or supplements applied. |

| | | |
|-----------------------------------|--------------------|---|
| RoomOnlyFinalWithoutOffer | float | Final booking price of the accommodation without discounts and/or supplements applied. |
| BedAndBreakfastFinalWithoutOffer | float | Final booking price of the accommodation plus breakfast without discounts and/or supplements applied. |
| HalfBoardFinalWithoutOffer | float | Final booking price of half board without discounts and/or supplements applied. |
| FullBoardFinalWithoutOffer | float | Final booking price of the full board without discounts and/or supplements applied. |
| AllIncludedFinalWithoutOffer | float | Final booking price of all included without discounts and/or supplements applied. |
| RoomOnlyPaymentWhenBooking | float | Payment when booking in room only board |
| BedAndBreakfastPaymentWhenBooking | float | Payment when booking in bed and breakfast board |
| HalfBoardPaymentWhenBooking | float | Payment when booking in half board |
| FullBoardPaymentWhenBooking | float | Payment when booking in full board |
| AllIncludedPaymentWhenBooking | float | Payment when booking in all included board |
| RoomOnlyFinalPaymentDetails | tag | Contains the payment details in room only board |
| PaymentDetail | tag | |
| PaymentDetail-PaymentNumber | nonNegativeInteger | Number of payment |
| PaymentDetail-PaymentTime | string | Define when the payment must be carried out. The possible values are: 'WhenBooking', 'BeforeArrival' and 'WhenArrival'. |
| PaymentDetail-Amount | float | Payment price |
| PaymentDetail-PaymentDate | date | Payment date |
| BedAndBreakfastFinal | tag | Contains the payment details in bed |

| | | |
|--|-----------------|---|
| PaymentDetails | | and breakfast board |
| HalfBoardFinalPaymentDetails | tag | Contains the payment details in half board |
| FullBoardPaymentDetails | tag | Contains the payment details in full board |
| AllIncludedFinalPaymentDetails | tag | Contains the payment details in all included board |
| Currency | string | ISO 3-digit Currency Code in which monetary values are presented for the unit. |
| Services | tag | List of the applied extras/services |
| Service | tag | |
| Code | positiveInteger | Code of the service |
| Amount | positiveInteger | Number of units of the service |
| PromotionalCodeStatus | string | <p>APPLIED: it means the promotional code has been applied.</p> <p>NOT_VALID: it means the promotional code is not valid.</p> <p>EXPIRED: it means the promotional code has expired.</p> <p>NOT_APPLIED: it meant the promotional code has not been applied because there is a better discount applied.</p> |
| RoomOnlyPromotionalCodeDiscount | float | Amount of the promotional code discount applied to the RoomOnly price. |
| BedAndBreakfastPromotionalCodeDiscount | float | Amount of the promotional code discount applied to the BedAndBreakfast price. |
| HalfBoardPromotionalCodeDiscount | float | Amount of the promotional code discount applied to the HalfBoard price. |

| | | |
|------------------------------------|-------|---|
| FullBoardPromotionalCodeDiscount | float | Amount of the promotional code discount applied to the FullBoard price. |
| AllIncludedPromotionalCodeDiscount | float | Amount of the promotional code discount applied to the AllIncluded price. |

6.3 SetBooking

6.3.1 Description

The operation "SetBooking" makes the booking of an accommodation. It blocks the availability occupation period of that booking. It requires the data of the person who book the accommodation and other compulsory fields such as accommodation, dates, etc.

This service needs a valid payment method. Please contact with Avantio.

6.3.2 Parameters of the request

| Parameters | Type | Description |
|-------------------|-------------------|--|
| ArrivalDate | date (yyyy-mm-dd) | Check in date |
| DepartureDate | date (yyyy-mm-dd) | Check out date |
| AccommodationCode | positiveInteger | Id of the accommodation to make the booking |
| LoginGA | string | Login of the solicitor (company) of the accommodations |
| UserCode | positiveInteger | Intern id of the accommodation |
| ClientData | tag | Tourist's data |
| Name | string | Tourist's name |
| Surname | string | Tourist's surname |
| DNI | string | Tourist's identity card |
| Address | string | Tourist's address |
| Locality | string | Tourist's locality |
| PostCode | string | Tourist's postcode |
| City | string | Tourist's city |
| Country | string | Tourist's country |

| | | |
|------------------------|-------------------|---|
| Telephone | string | Tourist primary phone number |
| Telephone2 | string | Tourist secondary phone number |
| EMail | string | Tourist's e-mail |
| Fax | string | Tourist's fax number |
| Board | string | <p>It defines the board of the booking. (See apex 7.2 board constants).</p> <p>If this field is not set, the default value is ROOM_ONLY, which is the unique value that can have an accommodation that is not a hotel.</p> |
| PaymentMethod | positiveInteger | Payment method. |
| CreditCardData | tag | Credit Card's data (it is an obligatory field if payment method is with credit card) |
| CardType | string | Type of credit card |
| CardNumber | positiveInteger | Credit card number |
| ExpiryDate | date (yyyy-mm) | Date of Credit Card expiration. |
| Cardholder | string | Name on card |
| CCVCode | string | CCV code |
| BookingType | string | <p>Kind of booking. Values:</p> <ul style="list-style-type: none"> • UNPAID (prebooking without confirmation) • PAID (booking paid) • PETICION_INFORMACION: It does not neither do a booking nor block the period requested. It just ask the accommodation owner for information about how the booking would be. |
| Comments | string | Tourist's additional comments. |
| SendMailToOrganization | boolean | If this field is true, the system will send an email informing about the booking to the organization which own the accommodation. |
| SendMailToTourist | boolean | If this field is true, the system will send an email informing of the |

| | | |
|-----------------|-----------------|---|
| | | booking to tourist who has done the booking. |
| Services | tag | |
| Service | tag | |
| Code | positiveInteger | Code of the service |
| Amount | positiveInteger | Number of units of the service. If not provided, the default value is 1 |
| PromotionalCode | string | Promotional code to apply |

6.3.3 Response

| Parameters | Type | Description |
|----------------|---------|---|
| Success | boolean | It indicates if the booking was successful |
| BookingCode | string | If the booking was successful, it is the booking code |
| Localizator | string | If the booking was successful, it is the localizator of the booking |
| ErrorList | tag | List of errors |
| Error | tag | |
| ErrorId | string | Unique error code |
| ErrorMessage | string | Description of the error |
| WarningList | tag | List of warnings |
| Warning | tag | |
| WarningId | string | Unique warning code |
| WarningMessage | string | Description of the warning |

6.4 GetBooking

6.4.1 Description

This method returns the data of a booking.

6.4.2 Parameters of the request

A booking has two parameters with which it can be localized. In order to get a booking, it is necessary to fulfill only one of the next parameters.

| Parameters | Type | Description |
|-------------|--------|----------------------------|
| BookingCode | string | Code of the Booking |
| Localizator | string | Localizator of the Booking |

6.4.3 Response

| Parameters | Type | Description |
|-------------------|--------------------|---|
| ArrivalDate | date | Check in date of the client |
| DepartureDate | date | Check out date of the client |
| Price | float | Price of the booking |
| Deposit | float | Price of the deposit |
| Currency | string | ISO 3-digit Currency Code in which monetary values are presented for the unit. |
| Board | string | Type of board of the reservation. It can be 'ROOM_ONLY', 'HALF_BOARD', 'FULL_BOARD', 'BED_AND_BREAKFAST' and 'ALL_INCLUDED' |
| AccommodationCode | positiveInteger | Id of the accommodation |
| UserCode | positiveInteger | Internal code of the accommodation. |
| LoginGA | string | Login of the solicitor (company) of the accommodations |
| AdultsNumber | positiveInteger | Number of adults. |
| Child1_Age | nonNegativeInteger | Age of the first child. |
| Child2_Age | nonNegativeInteger | Age of the second child. |
| Child3_Age | nonNegativeInteger | Age of the third child. |
| Child4_Age | nonNegativeInteger | Age of the fourth child. |

| | | |
|---------------|--------------------|--|
| Child5_Age | nonNegativeInteger | Age of the fifth child. |
| Child6_Age | nonNegativeInteger | Age of the sixth child. |
| MasterKind | string | Kind of accommodation |
| ClientData | tag | Tourist's data |
| Name | string | Tourist's name |
| Surname | string | Tourist's surname |
| DNI | string | Tourist's identity card |
| Address | string | Tourist's address |
| Locality | string | Tourist's locality |
| PostCode | string | Tourist's postcode |
| City | string | Tourist's city |
| Country | string | Tourist's country |
| Telephone | string | Tourist primary phone number |
| Telephone2 | string | Tourist secondary phone number |
| EMail | string | Tourist's e-mail |
| Fax | string | Tourist's fax number |
| PaymentMethod | positiveInteger | Payment method. |
| BookingType | string | Kind of booking. Values: <ul style="list-style-type: none"> • UNPAID (prebooking without confirmation) • PAID (booking paid) |
| Comments | string | Comments of the tourist |

6.5 CancelBooking

6.5.1 Description

This operation cancels a booking.

6.5.2 Parameters of the request

A booking has to be referred by one of the next two parameters. In order to cancel a booking, either the Bookingcode or the Localizer of the booking have to be fulfilled.

| Parameters | Type | Description |
|------------------------|---------|---|
| BookingCode | string | Code of the Booking |
| Localizer | string | Booking reference. |
| SendMailToOrganization | boolean | If this field is true, the system will send an email informing about the booking to the organization which own the accommodation. |
| SendMailToTourist | boolean | If this field is true, the system will send an email informing of the booking to tourist who has done the booking. |

6.5.3 Response

| Parameters | Type | Description |
|--------------|---------|--|
| Succeed | boolean | True if the cancellation has been done, false otherwise. |
| ErrorList | tag | If there have been any errors, there will be a list of errors. |
| ErrorId | string | Code of the error |
| ErrorMessage | string | Explanation of the error. |

6.6 GetBookingList

6.6.1 Description

This service returns the list of bookings made through this API.

Note: This service should only be used for statistical purposes.

6.6.2 Parameters of the request

| Parameters | Type | Description |
|-----------------|--------|--|
| StartDate | date | Start date to filter bookings |
| EndDate | date | End date to filter bookings |
| Filter | string | Type of date filter. It can be: - CREATION_DATE: to filter bookings by creation date. - STAY_DATES: to filter bookings by rental dates. |
| LastUpdatedDate | date | Last updated date to filter bookings |

6.6.3 Response

| Parameters | Type | Description |
|---------------------|-----------------|---|
| Booking | tag | |
| Localizer | tag | |
| BookingCode | positiveInteger | Id of the booking |
| Localizator | string | It is a booking reference |
| ArrivalDate | date | Start date of the booking |
| DepartureDate | date | Final date of the booking (It is the check out of stay) |
| BookingDate | date | Booking date |
| Price | float | Final price of the booking (whit extras and discounts or supplements) |
| PriceDetails | tag | |
| AccommodationAmount | float | Base price of the booking (only accommodation) |
| DiscountAmount | float | Amount of the discount (if procced) |

| | | |
|-------------------------|--------------------|---|
| ExtrasAndServicesAmount | float | Amount of the extras and services |
| Deposit | float | Price of the deposit |
| Currency | string | ISO 3-digit Currency Code in which monetary values are presented for the unit. |
| Board | string | Type of board of the reservation. It can be 'ROOM_ONLY', 'HALF_BOARD', 'FULL_BOARD', 'BED_AND_BREAKFAST' and 'ALL_INCLUDED' |
| Accommodation | tag | |
| AccommodationCode | positiveInteger | Id of the accommodation |
| UserCode | positiveInteger | Internal code of the accommodation |
| LoginGA | string | Id of the company of the accommodations |
| Occupants | tag | |
| AdultsNumber | positiveInteger | Number of adults. |
| Child1_Age | nonNegativeInteger | Age of the first child. |
| Child2_Age | nonNegativeInteger | Age of the second child |
| Child3_Age | nonNegativeInteger | Age of the third child |
| Child4_Age | nonNegativeInteger | Age of the fourth child. |
| Child5_Age | nonNegativeInteger | Age of the fifth child |
| Child6_Age | nonNegativeInteger | Age of the sixth child |
| ClientData | tag | |
| Name | string | Tourist's name |
| Surname | string | Tourist's surname |
| DNI | string | Tourist's identity card |
| Address | string | Tourist's address |

| | | |
|-----------------|-----------------|--------------------------------|
| Locality | string | Tourist's locality |
| PostCode | string | Tourist's postcode |
| City | string | Tourist's city |
| Country | string | Tourist's country |
| Telephone | string | Tourist primary phone number |
| Telephone2 | string | Tourist secondary phone number |
| Email | string | Tourist's e-mail |
| Fax | string | Tourist's fax number |
| Language | string | Tourist's language |
| PaymentMethod | positiveInteger | Payment method |
| BookingType | string | Kind of booking |
| LastUpdatedDate | date | Last update of booking |

C. Appendixes

7 Language codes

| Language code | Language |
|---------------|----------|
| ES | Spanish |
| EN | English |
| DU | Dutch |
| IT | Italian |
| FR | French |
| DE | German |
| CA | Catalan |
| PO | Polish |
| RU | Russian |

7.1 Constant definitions

| | |
|-----------------------------|---|
| DirectionOrder | CAPACITY, PRICE, LOCALITY, KIND, NAME, BEDROOMS |
| HeatingType | NINGUNA,BOMBA-CALOR,CALEFACCION-CENTRAL,RADIADORES |
| AirType | NO, SI,SALON-HABITACIONES,SALON,HABITACIONES |
| ParkingType | NINGUNO, GARAJE,PARKING-CUBIERTO,AIRE-LIBRE,GARAJE-PARKING |
| ParkingLocation | MISMO EDIFICIO,EDIFICIO CERCANO |
| SwimmingPool-PoolType | NINGUNA,COMUNITARIA,COMUNITARIA+INFANTIL,PRIVADA |
| HeatedSwimmingPool-PoolType | NINGUNA,COMUNITARIA,PRIVADA |
| BedClothes-Type | NO-SUMINISTRADA, SUMINISTRADA |
| Towels-Type | NO-SUMINISTRADA, SUMINISTRADA |
| PetsAllowed-Allowed | NO, SI, PESO-MENOR-QUE |
| Handicapped-Facilities | NO,APTA-DISCAPACITADOS,SIN-ESCALERAS |
| KitchenClass | AMERICANA, INDEPENDIENTE |
| KitchenType | INDUCCION,GAS,VITROCERAMICA,ELECTRICA |
| Where | JUNTO-MAR,RURAL,CASCO-URBANO,BOSQUE,PROXIMA-COMERCIOS,COMPLEJO-RESIDENCIAL,DENTRO-URBANIZACION,MONTANYA |
| Howto | TRANQUILA, ANIMADA, RESIDENCIAL, BIEN-COMUNICADA, IDEAL-FAMILIAS, IDEAL-NINYOS, AISLADA, CON-ENCANTO |
| Descripcion1 | RECIEN-CONSTRUCCION, MODERNO, EQUIPADO, MUEBLES-NUEVOS, COCINA-EQUIPADO, EXTERIOR,LUMINOSO,GRANDE, AMPLIO |
| Descripcion2 | AMUEBLADO-GUSTO, ACOGEDOR, COQUETO, BONITO, COMODO,CONFORTABLE |

| | |
|--|--|
| Heating- AdditionalPrice | EUROS-DIA, EUROS-RESERVA, EUROS-KW |
| Air-Conditioned- AdditionalPrice | EUROS-DIA, EUROS-RESERVA, EUROS-KW |
| Parking- AdditionalPrice | EUROS-DIA, EUROS-RESERVA, EUROS-HORA |
| InternetAccess- AdditionalPrice | EUROS-DIA, EUROS-RESERVA, EUROS-HORA |
| ExtraBeds- AdditionalPrice | EUROS-DIA, EUROS-RESERVA |
| PetsAllowed- AdditionalPrice | EUROS-DIA, EUROS-RESERVA |
| HeatedSwimmingPo ol-AdditionalPrice | EUROS-DIA, EUROS-RESERVA |
| BedClothes- AdditionalPrice | EUROS-DIA, EUROS-DIA-PERSONA, EUROS-SEMANA- PERSONA, EUROS-RESERVA-PERSONA |
| Towels- AdditionalPrice | EUROS-DIA, EUROS-DIA-PERSONA, EUROS-SEMANA- PERSONA, EUROS-RESERVA-PERSONA |
| PlaceType | BEACH, ROCKBEACH, GOLF, TOWN, SUPERMARKET, AIRPORT, SKI, TRAIN, BUS, THEMEPARK, WATERPARK |

7.2 Board constants

| | |
|-------------------|----------------------------------|
| ROOM_ONLY | It means "Only room" board |
| BED_AND_BREAKFAST | It means bed and breakfast board |
| HALF_BOARD | It means half board board |
| FULL_BOARD | It means full board constant |
| ALL_INCLUDED | It means all included |

7.3 Extras

In the section of extras, we can find several types of extras. This section tries to clarify the organization of this tag.

7.3.1 Boolean extras

We are going to list the extras which have a boolean value. If this value is true, it means that the extra is always included and it does not increase the price.

| Tag | Description |
|-------------|---|
| TV | Television |
| Garden | Garden |
| Iron | Iron |
| FirePlace | FirePlace |
| Barbacue | Barbecue |
| MiniBar | MiniBar |
| Terrace | Terrace |
| FencePlot | True if the accommodation plot is surrounded by a fence |
| SecurityBox | SecurityBox |

7.3.2 Complex extras

The rest of the extras are complex extras, which means that they are composed by several tags.

They have some common tags and in each specific extra we can find tags that are unique for it.

The general structure of an extra is:

| Parameters | Type | Description |
|-----------------|---------|--|
| IncludedInPrice | Boolean | True if the extra is included in price, false if there is an additional price. |
| AdditionalPrice | Tag | |
| Quantity | Float | Price that cost the extra |
| Currency | String | ISO 3-digit Currency Code in which monetary values are presented for the unit. |
| MaxPrice | Float | It is set if there is a maximum price for the extra. Eg. If an extra bed cost 10€ per night and this value is 30€ but you book 5 |

| | | |
|-----------------|--------|---|
| | | night the extra bed, you only pay 30€. |
| MinPrice | Float | It is set if there is a minimum price for the extra. Eg. If an extra bed costs 10€ per night but MinPrice is 30€, if you only book an extra bed one night you must pay 30€ |
| PayTime | String | It informs when you have to pay the extra. This value can be: <ul style="list-style-type: none"> • RESERVA: the extra has to be paid when the client does the booking • LLEGADA: the extra has to be paid when the client arrives to the accommodation |
| Application | String | It defines whether the extra is mandatory. This value can be: <ul style="list-style-type: none"> • OPCIONAL: the extra is optional. • OBLIGATORIO-SIEMPRE: the extra is compulsory. • OBLIGATORIO-OCUPANTES: the extra is compulsory depending on the number of the occupants. (See next tag). • OBLIGATORIO-NOCHES-RESERVA: the extra is compulsory depending on the number of the nights. (See next tag). • OBLIGATORIO-NOCHES-ENTRADA: the extra is compulsory depending on the days between the day in which has been done the booking and the arrival date to the accommodation |
| Comparison | String | If the value of the previous tag depends on anything, this field means if the thing with which it depends has to be greater than or less than. The possible values can be: <ul style="list-style-type: none"> • >for greater than • <for less than (see next tag) |
| ComparisonValue | Int | Example: Application = OBLIGATORIO-OCUPANTES Comparison = > ComparisonValue = 2 It means that the extra is compulsory if |

| | | |
|----------------|---------|---|
| | | the number of the occupants is greater than 2. |
| Countable | Boolean | It means if the extra is countable. For example if ExtraBeds is countable, it means the number of the extra beds. |
| CountableLimit | Int | If the extra is countable, it means the maximum value of the extra |
| Season | Tag | The season in which the extra is active |
| StartDay | Int | Day of the month in which the season starts |
| StartMonth | Int | Month in which the season starts |
| FinalDay | Int | Day of the month in which the season ends |
| FinalMonth | Int | Month in which the season ends |
| Description | String | Description of the extra. |
| VAT | tag | |
| Included | Boolean | True if the accommodation prices includes VAT, false otherwise. |
| Percentage | Float | VAT percentage |

7.3.3 Unique tags for extras

As commented before, there are some extras which, apart from the common tags mentioned before, has some specific tags:

7.3.3.1 Heating

| Parameters | Type | Description |
|-------------|--------|--|
| HeatingType | String | Type of the heating. It can be: 'bomba-calor', 'radiadores', 'calefaccion-central' |

7.3.3.2 AirConditioned

| Parameters | Type | Description |
|------------|--------|---|
| AirType | String | Type of the air conditioned ('salon', 'habitaciones', 'salon-habitaciones') |

7.3.3.3 Parking

| Parameters | Type | Description |
|-------------|--------|---|
| ParkingType | String | Type of the parking. It can be: 'parking- |

| | | |
|--|--|---|
| | | cubierto', 'aire-libre', 'garaje-parking', 'garaje' |
|--|--|---|

7.3.3.4 Swimmingpool&HeatedSwimmingpool

| Parameters | Type | Description |
|--------------|-------------|--|
| PoolType | String | Type of the swimming pool. It can be: 'NINGUNA', 'COMUNITARIA', 'PRIVADA'. If the extra is SwimmingPool in addition it can be 'COMUNITARIA-INFANTIL' |
| Dimensions | String | Dimensions of the swimming pool (eg. 10x10) |
| Distance | Tag | |
| Unit | String | Unit of distance(mm, cm, dm, m, dam, hm, km) |
| Value | Float | Value of the distance |
| MaximumDepth | Distance | Maximum depth of the swimming pool. |
| MinimumDepth | Distance | Minimum depth of the swimming pool. |
| GeneralDate | Tag | |
| Day | positiveInt | Number of the day of the month (1-31) |
| Month | positiveInt | Number of the month of the year (1-12) |
| OpeningDate | GeneralDate | Date in which the swimming pool will be opened |
| ClosingDate | GeneralDate | Date in which the swimming pool will be closed |

7.3.3.4 BedClothes& Towels

| Parameters | Type | Description |
|------------------|-----------------|---|
| Type | String | Type of the bed clothes. Possible values: [NO-SUMINISTRADA, SUMINISTRADA] |
| ChangeBedClothes | Boolean | True if the bed clothes changes |
| ChangeFrequency | positiveInteger | Frequency of the change of the bed clothes |

7.3.3.5 PetsAllowed

| Parameters | Type | Description |
|------------|--------|------------------------------|
| Allowed | String | Defines if pets are allowed. |

| | | |
|-------------|-----------------|---|
| | | Possible values: ['NO', 'SI', 'PESO-MENOR-QUE'] |
| LimitWeight | positiveInteger | Weight limit to allowed pets |

7.3.3.6 Deposit

| Parameters | Type | Description |
|----------------|--------|---|
| PaymentMethods | Tag | List of possible payment methods. |
| PaymentMethod | String | Possible values: <ul style="list-style-type: none"> DINERO (Deposit must be paid in cash) TARJETA_RETENCION (An amount is retained in the credit card) TARJETA_COBRO (Deposit must be paid with credit card) TARJETA_GARANTIA (A card number is requested as warranty) CHEQUE_VACANCES CHEQUE |

7.4 LocalizationData

| Parameters | Type | Description |
|-----------------------|-----------------|-----------------------------------|
| Country | Tag | |
| Country - CountryCode | positiveInteger | Country code of the accommodation |
| Country - Name | String | Country name of the accommodation |
| Region | Tag | |
| Region - RegionCode | positiveInteger | Region code of the accommodation |
| Region - Name | String | Region name of the accommodation |
| AreaDist | Tag | |
| AreaDist - AreaCode | positiveInteger | Area code of the accommodation |
| AreaDist - Name | String | Area name of the accommodation |
| City | Tag | |
| City - CityCode | positiveInteger | City code of the accommodation |

| | | |
|-------------------------|--------------------|--|
| City - Name | String | City name of the accommodation |
| Locality | Tag | |
| Locality - LocalityCode | positiveInteger | Locality code of the accommodation |
| Locality - Name | String | Locality name of the accommodation |
| District | Tag | |
| District - DistrictCode | positiveInteger | District code of the accommodation |
| District - PostalCode | String | Postal code of the accommodation |
| District - Name | String | District name of the accommodation |
| Resort | Tag | |
| Resort - ResortCode | positiveInteger | Resort code of the accommodation |
| Resort - Name | String | Resort name of the accommodation |
| KindOfWay | String | Kind of way |
| Way | String | Street of the accommodation |
| Number | String | Number of the accommodation |
| Block | String | Block of the accommodation |
| Door | String | Door of the accommodation |
| Floor | positiveInteger | Floor of the accommodation |
| GoogleMaps | Tag | |
| GoogleMaps - Latitude | String | Latitude to represent in GoogleMaps |
| GoogleMaps - Longitude | String | Longitude to represent in GoogleMaps |
| GoogleMaps - MaxZoom | nonNegativeInteger | Max. Zoom allowed to represent in GoogleMaps |

7.5 Features

| Parameters | Type | Description |
|-------------------------------|-----------------|------------------|
| Distribution | Tag | |
| Distribution - PeopleCapacity | positiveInteger | Number of people |

| | | |
|--|--------------------|--|
| Distribution - MinimumOccupation | positiveInteger | Minimum occupation of the distribution |
| Distribution - AcceptYoungsters | boolean | True if accept groups youngsters |
| Distribution - OccupationWithoutSupplement | positiveInteger | Occupation without supplement of the distribution |
| Distribution - Bedrooms | positiveInteger | Number of bedrooms |
| Distribution - DoubleBeds | positiveInteger | Number of double beds |
| Distribution - IndividualBeds | positiveInteger | Number of individual beds |
| Distribution - IndividualSofaBed | positiveInteger | Number of individual Sofa Bed |
| Distribution - DoubleSofaBed | positiveInteger | Number of double sofa bed |
| Distribution - BathroomWithBathtub | positiveInteger | Number of bathroom with bathtub |
| Distribution - BathroomWithShower | positiveInteger | Number of bathroom with shower |
| Distribution - Berths | positiveInteger | Number of berths |
| Distribution - AreaHousing | Tag | Type Area (Area, AreaUnit) |
| Distribution - AreaPlot | Tag | Type Area (Area, AreaUnit) |
| HouseCharacteristics | Tag | |
| HouseCharacteristics - SwimmingPool | Tag | Features of the swimming pool |
| HouseCharacteristics - TV | Boolean | 'True' if the accommodation has TV, 'False' otherwise. |
| HouseCharacteristics - NumOfTelevisions | nonNegativeInteger | Number of televisions |
| HouseCharacteristics - TVSatellite | Tag | |
| HouseCharacteristics - Garden | Boolean | 'True' if the accommodation has Garden, 'False' otherwise. |
| HouseCharacteristics - GardenFurniture | Boolean | 'True' if the accommodation has Garden Furniture, 'False' otherwise. |
| HouseCharacteristics - Iron | Boolean | 'True' if the accommodation |

| | | |
|---------------------------------------|---------|---|
| | | has Iron, 'False' otherwise. |
| HouseCharacteristics - FirePlace | Boolean | 'True' if the accommodation has Fire Place, 'False' otherwise. |
| HouseCharacteristics - Barbecue | Boolean | 'True' if the accommodation has Barbecue, 'False' otherwise. |
| HouseCharacteristics - Radio | Boolean | 'True' if the accommodation has Radio, 'False' otherwise. |
| HouseCharacteristics - MiniBar | Boolean | 'True' if the accommodation has Mini Bar, 'False' otherwise. |
| HouseCharacteristics - Terrace | Boolean | 'True' if the accommodation has Terrace, 'False' otherwise. |
| HouseCharacteristics - FencedPlot | Boolean | 'True' if the accommodation has Fenced Plot, 'False' otherwise. |
| HouseCharacteristics - SecurityBox | Boolean | 'True' if the accommodation has Security Box, 'False' otherwise. |
| HouseCharacteristics - DVD | Boolean | 'True' if the accommodation has DVD, 'False' otherwise. |
| HouseCharacteristics - Balcony | Boolean | 'True' if the accommodation has Balcony, 'False' otherwise. |
| HouseCharacteristics - JuiceSqueezer | Boolean | 'True' if the accommodation has Sjuice Squeezer, 'False' otherwise. |
| HouseCharacteristics - ElectricKettle | Boolean | 'True' if the accommodation has Electric Kettle, 'False' otherwise. |
| HouseCharacteristics - HairDryer | Boolean | 'True' if the accommodation has Hair Dryer, 'False' otherwise. |
| HouseCharacteristics - ChildrenArea | Boolean | 'True' if the accommodation has Children Area, 'False' otherwise. |
| HouseCharacteristics - Gym | Boolean | 'True' if the accommodation has Gym, 'False' otherwise. |
| HouseCharacteristics - Alarm | Boolean | 'True' if the accommodation |

| | | |
|--|--------------------|---|
| | | has Alarm, 'False' otherwise. |
| HouseCharacteristics - Tennis | Boolean | 'True' if the accommodation has Tennis, 'False' otherwise. |
| HouseCharacteristics - Squash | Boolean | 'True' if the accommodation has Squash, 'False' otherwise. |
| HouseCharacteristics - Paddel | Boolean | 'True' if the accommodation has Paddel, 'False' otherwise. |
| HouseCharacteristics - Sauna | Boolean | 'True' if the accommodation has Sauna, 'False' otherwise. |
| HouseCharacteristics - NumOfFans | nonNegativeInteger | Number of fans |
| HouseCharacteristics - NumOfElectronicMosquitoRepeller | nonNegativeInteger | Number of electronic mosquito repeller |
| HouseCharacteristics - WindowScreens | string | Window screens. It can be: NO, BEDROOMS or WHOLEHOUSE |
| HouseCharacteristics - Elevator | Boolean | 'True' if the accommodation has Elevator, 'False' otherwise. |
| HouseCharacteristics - HandicapFacilities | String | 'True' if the accommodation has Handicap Facilities, 'False' otherwise. |
| HouseCharacteristics - Kitchen | Tag | Features of the kitchen's accommodation. |
| ExtrasAndServices | Tag | |
| ExtrasAndServices - CommonServices | Tag | (See CommonServices) |
| ExtrasAndServices - SpecialServices | Tag | (See SpecialServices) |
| Location | Tag | (See Location) |

7.6 Common services

| Parameters | Type | Description |
|-----------------|---------|---|
| Code | Integer | Code of the service. |
| IncludedInPrice | Boolean | True if the extra is included in price, false if there is an additional price. |
| AdditionalPrice | Tag | |
| Quantity | Float | Price that cost the service |
| Currency | String | ISO 3-digit Currency Code in which monetary values are presented for the unit. |
| MaxPrice | Float | It is set if there is a maximum price for the extra. Eg. If an extra bed cost 10€ per night and this value is 30€ but you book 5 night the extra bed, you only pay 30€. |
| MinPrice | Float | It is set if there is a minimum price for the extra. Eg. If an extra bed costs 10€ per night but MinPrice is 30€, if you only book an extra bed one night you must pay 30€ |
| PayTime | String | It informs when you have to pay the service. This value can be: <ul style="list-style-type: none"> • RESERVA: the extra has to be paid when the client does the booking • LLEGADA: the extra has to be paid when de client arrives to the accommodation |
| Application | String | It defines whether the service is mandatory. This value can be: <ul style="list-style-type: none"> • OPCIONAL: the service is optional. • OBLIGATORIO-SIEMPRE: the service is compulsory. • OBLIGATORIO-OCUPANTES: the service is compulsory depending on the number of the occupants. (See next tag). • OBLIGATORIO-NOCHES-RESERVA: the service is compulsory depending on the number of the nights. (See next tag). • OBLIGATORIO-NOCHES-ENTRADA: the service is compulsory depending on the days between the day in which has been done the booking and the arrival date to the |

| | | accommodation |
|-----------------|---------|---|
| Comparison | String | <p>If the value of the previous tag depends on anything, this field means if the thing with which it depends has to be greater than or less than. The possible values can be:</p> <ul style="list-style-type: none"> • > for greater than • < for less than <p>(see next tag)</p> |
| ComparisonValue | Int | <p>Example: Application = OBLIGATORIO-OCUPANTES Comparison = > ComparisonValue = 2</p> <p>It means that the service is compulsory if the number of the occupants is greater than 2.</p> |
| Countable | Boolean | It means if the service is countable. For example if ExtraBeds is countable, it means the number of the extra beds. |
| CountableLimit | Int | If the service is countable, it means the maximum value of the service |
| Season | Tag | The season in which the service is active |
| StartDay | Int | Day of the month in which the season starts |
| StartMonth | Int | Month in which the season starts |
| FinalDay | Int | Day of the month in which the season ends |
| FinalMonth | Int | Month in which the season ends |
| Description | String | Description of the service. |
| VAT | tag | |
| Included | Boolean | True if the accommodation prices includes VAT, false otherwise. |
| Percentage | Float | VAT percentage |

7.7 Special services

Special services have the same structure as the common services but also includes the following tags:

| Parameters | Type | Description |
|------------------|-----------------|--|
| Type | string | <p>For Special Service code 1</p> <p>Type of the heating. It can be: 'bomba-calor', 'radiadores', 'calefaccion-central'</p> <p>For Special Service 2</p> <p>Type of the air conditioned ('salon', 'habitaciones', 'salon-habitaciones')</p> <p>For Special Service 3</p> <p>Type of the parking. It can be: 'parking-cubierto', 'aire-libre', 'garaje-parking', 'garaje'</p> <p>For Special Service 5</p> <p>Type of the swimming pool. It can be: 'NINGUNA', 'COMUNITARIA', 'PRIVADA'.</p> <p>For Special Service 6 and 7</p> <p>Type of the bed clothes or towels. Possible values: [NO-SUMINISTRADA, SUMINISTRADA]</p> <p>For Special Service code 8</p> <p>Type of the internet. It can be: 'wifi', 'cable', 'usb'</p> |
| ParkingLocation | string | <p>For Special Service code 3</p> <p>Location of the parking</p> |
| Allowed | string | <p>For Special Service code 9</p> <p>Defines if pets are allowed. Possible values: ['NO', 'SI', 'PESO-MENOR-QUE']</p> |
| LimitWeight | positiveInteger | <p>For Special Service code 9</p> <p>Weight limit to allowed pets</p> |
| ChangeTowels | Boolean | <p>For Special Service code 7</p> <p>True if the towels changes</p> |
| ChangeBedclothes | Boolean | <p>For Special Service code 6</p> <p>True if the bed clothes changes</p> |
| ChangeFrequency | positiveInteger | <p>For Special Service code 6 and 7</p> <p>Frequency of the change of the bed clothes or towels</p> |

| | | |
|----------------|--------|---|
| Dimensions | String | For Special Service code 5 Dimensions of the swimming pool (eg. 10x10) |
| MinimumDepth | Tag | For Special Service code 5 Minimum depth of the swimming pool |
| MaximumDepth | Tag | For Special Service code 5 Maximum depth of the swimming pool |
| OpeningDate | Tag | For Special Service code 5 Date in which the swimming pool will be opened |
| ClosingDate | Tag | For Special Service code 5 Date in which the swimming pool will be closed |
| PaymentMethods | Tag | List of possible payment methods. |
| PaymentMethod | String | Possible values: <ul style="list-style-type: none"> • DINERO (Deposit must be paid in cash) • TARJETA_RETENCION (An amount is retained in the credit card) • TARJETA_COBRO (Deposit must be paid with credit card) • TARJETA_GARANTIA (A card number is requested as warranty) • CHEQUE_VACANCES • CHEQUE |

7.8 Price modifiers - Calculating amounts

For the price calculation must consider the following issues:

- Prices modifiers can be applied only if the request meets the restrictions.
- Prices modifiers will be applied only on the nights of the reservation included in their seasons.
- Only one price modifier per "KindCode" will be applied.
- If the season is cumulative, various price modifiers can be applied until a non-cumulative price modifier is found.
- The application preference order is: First applied the price modifier that matches the number of nights, and in case of a mismatch, supplements has preference in front of discounts.

IMPORTANT: if is set "MaximumPercentage", the total discount for the booking never must be exceed this percentage.

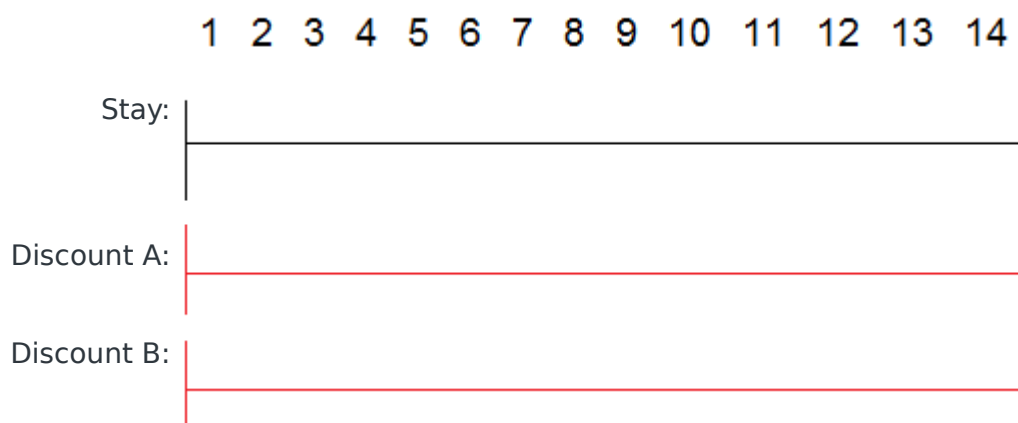
E.g. Application #1:

Stay: 14 nights

Rate: 700€ (50€/night)

Discount A: Discount -10% for stays greater than 7 nights (Kind code=DLS)

Discount B: Discount -5% (Kind code=D)



In this case it will be applied Discount B.

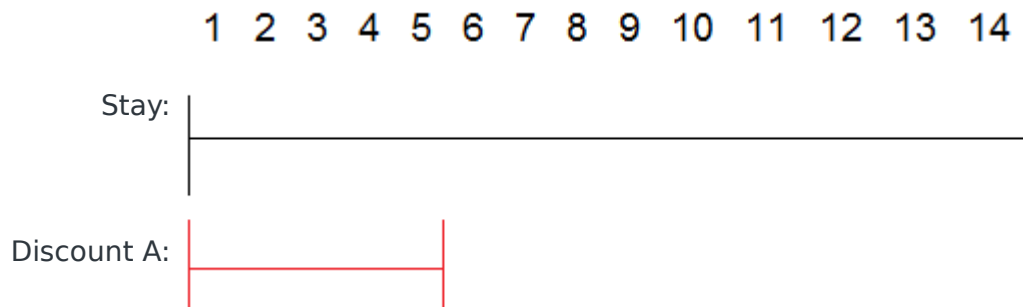
Price will be: 665€

E.g. Application #2:

Stay: 14 nights

Rate: 700€ (50€/night)

Discount A: Discount -10% for stays greater than 7 nights (Kind code=DLS)



In this case, price modifier will be applied for the nights 1, 2, 3, 4 and 5.

Price will be: 675€

E.g. Application #3:

Stay: 14 nights

Rate: 700€ (50€/night)

Discount A: Discount -10% for stays greater than 7 nights (Kind code=DLS)

Discount B: Discount -15% for stays greater than 7 nights (Kind code=DLS)



In this case Discount A will be applied for the nights 1, 2, 3, 4, 5 and Discount B will be applied for the nights 11, 12, 13 and 14.

Price will be: 645€

E.g. Application #4:

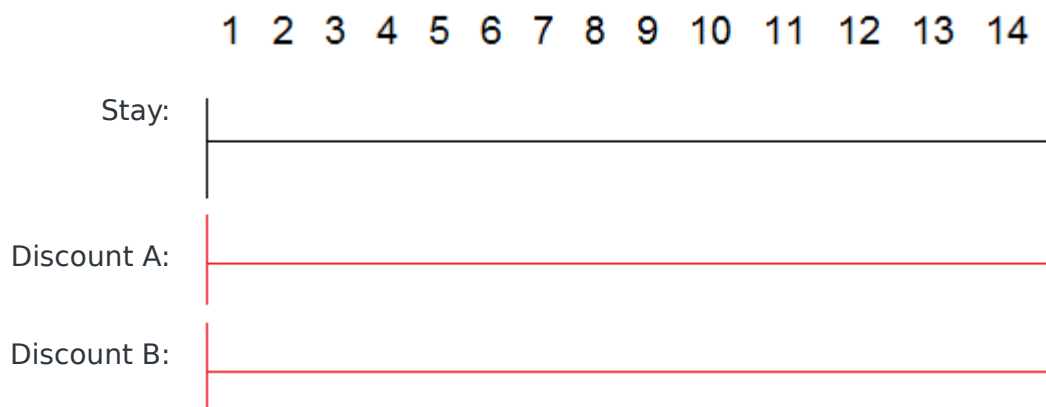
Stay: 14 nights

Rate: 700€ (50€/night)

Discount A: Discount -10% for stays greater than 7 nights (Kind code=DLS)

Discount B: Discount -5% (Kind code=D)

And "DLS" and "D" are cumulative.



In this case will be applied Discount A and Discount B.

Price will be: 595€

7.9 Price modifiers - Kind codes

| | |
|-----|--|
| S | Supplement |
| SSS | Supplement for short stay |
| D | Discount |
| DLS | Discount for long stay |
| EB | Early booking discount Booking done before the day (yyyy-mm-dd). See parameter MaxDate |
| EBD | Early booking discount Bookings done X days before the arrival date. See parameter DaysAdvance |

7.10 IsAvailable codes

| Code | Description |
|------|---|
| 0 | Not Available |
| 1 | Available |
| -2 | Under Petition |
| -5 | The minimum days of stay is not fulfilled |
| -3 | The compulsory arrival date is not fulfilled |
| -4 | The compulsory departure date is not fulfilled |
| -1 | The minimum days ONREQUEST are not fulfilled, like under petition |
| -7 | The masimum days of stay is not fulfilled |
| -8 | The accommodation has no occupational rules |
| -10 | The margin of booking start is not fulfilled |
| -9 | The accommodation has been disabled |
| -99 | Maximum occupation exceeded |

7.11 Location

| Parameters | Type | Description |
|---------------------|--------------------|---|
| LocationDescription | Tag | |
| Where | String | See Constant definitions |
| Howto | String | See Constant definitions |
| Description1 | String | See Constant definitions |
| Description2 | String | See Constant definitions |
| NearestPlaces | Tag | |
| NearestPlace | Tag | |
| PlaceType | String | See Constant definitions |
| Value | nonNegativeInteger | Distance to place of interest, expressed in the given Unit |
| Unit | String | Unit of distance in which the distance to the place of interest is expressed (It can be: KM, M) |
| Name | String | Place of interest |
| LocationViews | Tag | |

| | | |
|--------------------|---------|--|
| ViewToBeach | boolean | 'true' if the accommodation has views to beach, 'false' otherwise. |
| ViewToSwimmingPool | boolean | 'true' if the accommodation has views to swimming pool, 'false' otherwise. |
| ViewToGolf | boolean | 'true' if the accommodation has views to golf court, 'false' otherwise. |
| ViewToGarden | boolean | 'true' if the accommodation has views to garden, 'false' otherwise. |
| ViewToRiver | boolean | 'true' if the accommodation has views to river, 'false' otherwise. |
| ViewToMountain | boolean | 'true' if the accommodation has views to mountains, 'false' otherwise. |
| ViewToLake | boolean | 'true' if the accommodation has views to lake, 'false' otherwise. |
| FirstBeachLine | boolean | 'true' if the accommodation is on first beach line, 'false' otherwise. |
| FirstGolfLine | boolean | 'true' if the accommodation is on first line of golf court, 'false' otherwise. |

7.12 Reviews

| Parameters | Type | Description |
|------------------|--------|---|
| Review | tag | |
| GuestName | string | Guest name |
| Language | string | Guest language |
| Rating | int | General rating of stay |
| Title | string | Review title |
| PositiveComment | string | Positive comment written by guest |
| NegativeComment | string | Negative comment written by guest |
| Reply | string | Owner's reply to the guest comments |
| RatingAspects | tag | |
| RatingAspect | tag | |
| AspectType | string | Type of valued aspect. It can be: SERVICE, CLEANLINESS, ACCOMMODATION, LOCATION and VALUE_FOR_MONEY |
| Rating | int | Aspect rating |
| ReviewDate | date | Date of the review |
| BookingStartDate | date | Start date of the guest's stay |
| BookingEndDate | date | End date of the guest's stay |