

Documentation

Deskline 3.0

Booking Rule Import

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DESKLINE 3.0 BOOKING RULE IMPORT

INDEX

GENERAL/INTRODUCTION	3
ACTIVATION PROCESS PER SERVICE PROVIDER	4
TECHNICAL DESCRIPTION	4
TARGET ADDRESS	4
AUTHENTICATION	5
RESTRICTIONS	5
UPDATE INTERVAL	5
TEST ENVIRONMENT	5
MAPPING VALUES	5
LANDLORDS WITH MORE THAN ONE OBJECT	6
STRUCTURE OF A SERVICE PROVIDER WITH SERVICES AND PRODUCTS	7
STRUCTURE OF BOOKING RULES.....	9
BOOKING RULE IMPORT REQUEST FIELDS	10
OTA_HOTELBOOKINGRULENOTIFRQ STRUCTURE 1	10
OTA_HOTELBOOKINGRULENOTIFRQ STRUCTURE 2	11
OTA_HOTELAVAILNOTIFRQ	13
BOOKING RULE IMPORT RESPONSE EXAMPLE	15
CHANGE LOG	17

GENERAL/INTRODUCTION

The Deskline 3.0 Booking Rule Import is a new web service to save arrival and departure conditions for a product without using the Deskline 3.0 ExpertClient or the Deskline 3.0 WebClient. This documentation should help developers to connect to Deskline 3.0 and provide examples on how to send data. We use XML-files based on the Open Travel Alliance format for the function *OTA_HotelBookingRuleNotifRQ/RS* or *OTA_HotelAvailNotifRQ/RS*.

Important: Interfaces must still be activated per Deskline customer so it's not given that the booking rule interfaces will be available immediately for every hotel.

Important: As of 2011 feratel customers use both systems: Deskline 2.0 and Deskline 3.0; not every customer will be switching from DL2 to DL3 immediately, so both systems will stay longer on the market. It is therefore important to know, that the Deskline 3.0 Booking Rule Import does not work with Deskline 2.0 (and the other way round). When requesting login data for a service provider it is therefore necessary to know the exact address of the hotel so we can provide the DL3 login data.

If you have any questions regarding the **Deskline 3.0 Booking Rule Import** please contact:

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ACTIVATION PROCESS PER SERVICE PROVIDER

In order to use the interface, it has to be activated for our customer. Our direct customers are not the hotels but the tourism destinations. So it is possible that the interface will not be available everywhere or at least not immediately because it has to be set up for the customer. If the interface is already set up and active only the mapping must be entered in order to be able to use the functionality. In the first step, the mapping will be entered by feratel, so please contact servicecenter@feratel.com with the details of the service provider (name, full address and contact information) and the suggested mapping for the existing services. If no mapping is sent to us or if the services are not known, we can send a mapping along with the list of services that already exist in Deskline.

Responsible for the different services and products that are assigned to one service provider are the tourist information and the service provider directly. If – for example - products are missing which the service provider wants to use with the booking rule import they first have to be created, either by the service provider or by the tourist office. Once the services/products are set up the mapping can be assigned.

Important: If you already have the product mapping codes for your hotels, because they already have price import in use, you do not have to contact us for mapping codes, because they are the same as for the booking rule import.

TECHNICAL DESCRIPTION

XML files are the basis for the booking rule import – all mandatory and optional values for requests are passed inside XML files and also the response will be a valid XML file. The format is taken from *OTA_HotelBookingRuleNotifRQ/RS* and *OTA_HotelAvailNotifRQ/RS* and implements a basic version of these functions. The chapters below will explain which elements and attributes are supported. A comprehensive OTA documentation is available on www.opentravel.org and a useful OpenTravel Model Viewer can be found here: <http://adriatic.pilotfish-net.com/ota-modelviewer/>. The web services for availabilities will work with SSL and support HttpSoap and HttpPost.

TARGET ADDRESS

The web service will be available on the same URL for all customers.

- **Import:**
 - The target address for the live system is <http://interface.deskline.net/OTA/ImportConditionTemplates.asmx>
 - WSDL: <http://interface.deskline.net/OTA/ImportConditionTemplates.asmx?WSDL>

The target address for the test environment will be different (*interfacetest.deskline.net*)!

AUTHENTICATION

Every software company will receive a unique code by which they are identified. This code has to be transferred inside the OTA attribute AgentDutyCode and must not be visible to the hotels.

RESTRICTIONS

- We will not import booking rules/conditions that are more than 800 days in the future.
- It is not possible to assign booking rules to the past.
- It is not possible to send booking rules for more than one hotel at the same time. Each request refers to exactly one HotelCode.
- **You have to send minimum and maximum length of stay restriction in this way. Since the moment you have this interface activated, the sending of MinLOS and MaxLOS in price import will be completely ignored for all customers!**

UPDATE INTERVAL

To optimize performance only changed booking rules should be sent rather than sending the whole calendar with every update. We reserve the right to limit the amount of daily updates possible in the future if we detect that more than just changed entries are sent.

TEST ENVIRONMENT

A complete test environment is available and can be set up on demand.

MAPPING VALUES

To find the way from one room in the hotel software to a product in Deskline 3.0 we need certain mapping values, namely the hotel code and a mapping code per product. These values can't be entered by the hotels themselves, it will be done by feratel.

The following rules apply to mapping values:

- Mapping values are needed for the hotel and for every product that should be imported.
- Mapping values must not exceed 16 characters (OTA restriction).
- Mapping values must not contain special characters, only A-Z and 0-9.
- A mapping value for a hotel can be assigned more than one time per company. So the same company can use "HTLSUN" as mapping value for two different objects. It is not recommended and every hotel should have a unique code but this is sometimes necessary for software companies if one service provider manages multiple objects.
- Mapping values per product must be unique for every Company + HotelCode combination. There can't be two products with the code "PR" inside one hotel code.

Mapping suggestion:

- Using a combination of the company abbreviation and the hotel abbreviation. Examples below.

DESKLINE 3.0 BOOKING RULE IMPORT

A few examples:

- A new value can be used, perhaps something that shortens the name but is distinctive enough to be the mapping for this hotel:

Hotel Sunshine	Hotel Software	Mapping	Deskline 3.0
Hotel Code	23742093	COSUN	AAAEDD2B-833C-4A7D-B1AB-C0386A437FAC
Single Room Code (Service)	23789423	COSUNSR	F79A02D3-8395-4456-BBF2-8B91D58C3AD6
Single Room Code (Product)	23467439	COSUNSRP	F4A3D76E-68E9-4B27-B7D8-249398A6EE8F
Double Room Code (Service)	23789423	COSUNDR	F79A02D3-8395-4456-BBF2-8B91D58C3AD6
Double Room Code (Product)	23467438	COSUNDRP	96E56EAE-51DA-4AA6-82D3-541D1F105E5D

Here an abbreviation is used (CO for company, SUN for Sunshine, SR for single room, DR for double room)

- Existing values of the external software can be used as long as they do not exceed 16 characters (OTA restriction). A hotel code must be assigned either way even if the hotel software has no hotel code on its own.

Hotel Sunshine	Hotel Software	Mapping	Deskline 3.0
Hotel Code		SUNSHINE	AAAEDD2B-833C-4A7D-B1AB-C0386A437FAC
Single Room Code (Service)	14	14	F79A02D3-8395-4456-BBF2-8B91D58C3AD6
Single Room Code (Product)	14	14P	F4A3D76E-68E9-4B27-B7D8-249398A6EE8F
Double Room Code (Service)	15	15	F79A02D3-8395-4456-BBF2-8B91D58C3AD6
Double Room Code (Product)	15	15P	96E56EAE-51DA-4AA6-82D3-541D1F105E5D

- A combination of characters and numbers is possible as the mapping code is a string:

Hotel Sunshine	Hotel Software	Mapping	Deskline 3.0
Hotel Code	23742093	SUN9020	AAAEDD2B-833C-4A7D-B1AB-C0386A437FAC
Single Room Code (Service)	23742093	SUN14	F79A02D3-8395-4456-BBF2-8B91D58C3AD6
Single Room Code (Product)	23742094	SUN14P	96E56EAE-51DA-4AA6-82D3-541D1F105E5D

Important: If no mapping is present and active for a hotel and the service for a company, the interfaces will not be accessible.

LANDLORDS WITH MORE THAN ONE OBJECT

It is sometimes possible that one landlord manages multiple properties in Deskline 3.0, for example Hotel Sunshine **and** Hotel Lakeside with different inventory. In this case we still need the mapping values to be distinct for every object, only the hotel code can be shared.

We still need a hotel code for Hotel Sunshine (e.g. **SUNSHINE**) and one for Hotel Lakeside (e.g. **LAKESIDE**) but if it is actually the **same landlord**, then both hotels are allowed to share a HotelCode.

If the hotel software does not support multiple properties then we suggest saving two mapping values per room: the hotel code and the room code. This is just a suggestion and has to be considered if you want to support sending availabilities to Deskline 3.0 for more than one service provider.

STRUCTURE OF A SERVICE PROVIDER WITH SERVICES AND PRODUCTS

A short overview how data regarding a service provider is entered and connected in Deskline 3.0: first, we have the service provider which is for example a hotel:

General		Address	
Name	the Schwartz-Inn	Pasterk Thomas Pasterk Hintertupfing 2 12345 Obertupfing	
Object code	TP0815 <input checked="" type="checkbox"/> Active	thomas.pasterk@feratel.com http://	
Owner	Feratel Demo Destination		
Rooms	44 Beds 235		
SHUTTLE/09.06.2010 14:57/16.04.2009			

A service provider will have one or more categories, classifications, marketing groups, facilities and so on. Also, there are descriptions, documents, links, etc. - all information regarding the object itself, not about services or products.

Then there can be services for this object:

Name	Type	Town	Object code
<input checked="" type="checkbox"/> the Schwartz-Inn	Accommodation	Innsbruck	TP0815
Triple room, shower or bath, toilet, no...	Accommodation		TRXTNOSMO
Single room, bath, toilet, superior	Accommodation		SRBTSUPER
Apartment, shower and bath, toilet, gro...	Accommodation		APYTGRFL

A service can be seen as a summary of physical rooms with the same properties:

Service					
Service code	TRXTNOSMO <input checked="" type="checkbox"/> Active	Rooms	1,0		
Name	Triple room, shower or bath, toilet, no smoker		Bedrooms	1	
Coding	Triple room	shower or bath, toilet	no smoker	Size (m ²)	35
Classification	4-5 stars DTV	Most recent avail. change	28.05.2010 11:16		
Order	1	Last change	SHUTTLE/17.05.2010 15:35/16.04.2009		

This room can also have descriptions, documents, facilities – and availabilities. For example there can be 10 available rooms of this category on a given day and only 8 on another day or 0 on another day if all rooms of this type are occupied.

DESKLINE 3.0 BOOKING RULE IMPORT

Based on one service there can be one or several products. Products are the units that can be booked by a customer. So it is possible to sell a service either as a regular room (triple room with shower or bath in this case) or as a special package or anything else the service provider can create. Restrictions about arrival/departure, min/max length of stay, min/max adults, min/max children and so on - including the prices - are all defined on the product level:

Products	
General	Settings
General	
Product name	Triple room, shower or bath, toilet, no smoker
Product type	Accommodation Topic
Accommodation type	Room
Order	9 <input type="checkbox"/> Active

Occupancy			
	Min.	Max.	
Beds	1	8	Std.
Adults	1	7	2
Children	0	5	
Min. full-rate children		1	

Or:

General	
Product name	Weekend package for two
Product type	Package
Accommodation type	Room
Order	3 <input type="checkbox"/> Active

Occupancy			
	Min.	Max.	
Beds	2	2	Std.
Adults	2	2	2
Children	0	0	
Min. full-rate children		0	

As soon as the service provider changes the availabilities for the service to 5, there are 5 units of the product "Triple room" or 5 units of the product "Weekend package for two" available. As soon as for example one weekend package is booked, the availability will be reduced and there are only 4 units of either product available. This way, a service provider can sell a room in multiple choices for the guest.

This information is important for the booking rule interface: Booking rules are always imported for each **product**, so we need a mapping on this level and it must be different from the service mapping. If the service provider created more than one product for a service there will be more than one product codes necessary. If this does not work with the hotel software than the service provider should create the Deskline services and products in a 1:1 relation, rather than using 1:n.

STRUCTURE OF BOOKING RULES

In Deskline 3.0 we call the structure how to handle minimum and maximum length of stay, a specific allowed interval and possible arrival and departure days “Arrival and Departure Condition Templates”. These templates with the condition information inside will be assigned to periods in the calendar.

This is how template settings look like in Deskline 3.0:

General																	
Name		Example 1															
Color		 															
Arrival/Departure conditions																	
Days until arrival	Min. stay	Max. stay	Interval	Arrival days							Departure days						
				Mo	Tu	W	Th	Fr	Sa	Su	Mo	Tu	W	Th	Fr	Sa	Su
9999	7	21	7	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>										

According to this template conditions guests can stay for at least 7 days. And further on they can stay 14 or 21 days. Guests could not stay for 8 days; this is the function of the value Interval. Additionally guests are only allowed to arrive and depart on Saturday.

General																	
Name		Example 2															
Color		 															
Arrival/Departure conditions																	
Days until arrival	Min. stay	Max. stay	Interval	Arrival days							Departure days						
				Mo	Tu	W	Th	Fr	Sa	Su	Mo	Tu	W	Th	Fr	Sa	Su
9999	3		1	<input checked="" type="checkbox"/>													

Example 2 shows a less restrictive template. Guests can arrive and depart on each week. They have to stay at least 3 days, but they could also stay for 4 or 5, because interval is 1.

BOOKING RULE IMPORT REQUEST FIELDS

Because there are already different kinds of requests in use we tried to provide all possible kinds of requests and request structures to reduce the implementation effort on the side of our interface partners. So you can choose the structure mostly fitting with your further implementations or your system logic. When you are once activated for using this interface you can use all different structures, you don't need to inform us how you will send the data for any further activation.

- OTA_HotelBookingRuleNotifRQ Structure 1
- OTA_HotelBookingRuleNotifRQ Structure 2
- OTA_HotelAvailNotifRQ

OTA_HOTELBOOKINGRULENOTIFRQ STRUCTURE 1

The OTA implementation looks like this:

Request field	Description	Can be empty?	More than one possible?
POS → Source → AgentDutyCode	A unique code assigned from feratel to the external software-company sending availabilities. This is used to identify the sending company and will be unique per company. Must not be visible or known to the hotels!	<input type="checkbox"/>	<input type="checkbox"/>
RuleMessages	The element RuleMessages must only be present once. This means that it is only possible to send one request for one hotel at the time, not several hotels.	<input type="checkbox"/>	<input type="checkbox"/>
HotelCode	The attribute HotelCode contains the mapping value of the service provider.	<input type="checkbox"/>	<input type="checkbox"/>
RuleMessage	Container Element for the different conditions to import. Each different product needs its own RuleMessage element.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
StatusApplicationControl	Has to be present	<input type="checkbox"/>	<input type="checkbox"/>
InvCode	The attribute InvCode contains the mapping value of the product.	<input type="checkbox"/>	<input type="checkbox"/>
BookingRules	Container element for the different BookingRule elements to import	<input type="checkbox"/>	<input type="checkbox"/>
BookingRule	Each different condition combination needs its own BookingRule element	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Start	Date beginning with the first day to assign conditions to.	<input type="checkbox"/>	<input type="checkbox"/>
End	The end date is included when assigning conditions to dates. So sending from "2012-04-05" to "2012-04-10" will save availabilities for the following dates: 2012-04-05, 2012-04-06, 2012-04-07, 2012-04-08, 2012-04-09 and 2012-04-10. This is a different workflow than handled by the availability import!	<input type="checkbox"/>	<input type="checkbox"/>
LenghtsOfStay	Container element for the LenghtOfStay element. Important: Only one possible.	<input type="checkbox"/>	<input type="checkbox"/>
LenghtOfStay	Element can be multiple for different MinMaxMessageTypes. We support MinLOS, MaxLOS and FixedLOS (Fixed length of stay for this period/interval). Always used in combination with the attributes Time and TimeUnit (always "Day"). If attribute Time is not provided it is set to Day. If this information is not send MinLOS and FixedLOS is automatically set to 1 and MaxLOS is set to 999. At least one element LenghtOfStay has to be provided!	<input type="checkbox"/>	<input checked="" type="checkbox"/>

DESKLINE 3.0 BOOKING RULE IMPORT

DOW_Restrictions	Container element for the arrival and departure conditions.	<input type="checkbox"/>	<input type="checkbox"/>
ArrivalDaysOfWeek	Includes attributes for all days of week, which can be true or false. True means arrival is possible on this day, false means no arrival possible. If a day is missing default value is true.	<input type="checkbox"/>	<input type="checkbox"/>
DepartureDaysOfWeek	Includes attributes for all days of week, which can be true or false. True means departure is possible on this day, false means no departure possible. If a day is missing default value is true.	<input type="checkbox"/>	<input type="checkbox"/>

Request Example

```

<OTA_HotelBookingRuleNotifRQ xmlns="http://www.opentravel.org/OTA/2003/05" TimeStamp="1980-01-01T15:25:16" Target="Production" Version="1.0" PrimaryLangID="en">
  <POS>
    <Source AgentDutyCode="FERTEST" />
  </POS>
  <RuleMessages HotelCode="FERFER">
    <RuleMessage>
      <StatusApplicationControl InvCode="FERFERDZ1" />
      <BookingRules>
        <!--Equals to the template "Example 1"-->
        <BookingRule Start="2012-05-01" End="2012-05-08">
          <LengthsOfStay>
            <LengthOfStay MinMaxMessageType="MinLOS" Time="7" TimeUnit="Day" />
            <LengthOfStay MinMaxMessageType="MaxLOS" Time="21" TimeUnit="Day" />
            <LengthOfStay MinMaxMessageType="FixedLOS" Time="7" TimeUnit="Day" />
          </LengthsOfStay>
          <DOW_Restrictions>
            <ArrivalDaysOfWeek Mon="false" Tue="false" Weds="false" Thur="false" Fri="false" Sat="true" Sun="false"
          />
            <DepartureDaysOfWeek Mon="false" Tue="false" Weds="false" Thur="false" Fri="false" Sat="true"
          Sun="false" />
          </DOW_Restrictions>
        </BookingRule>
        <!--Equals to the template "Example 2"-->
        <BookingRule Start="2012-05-09" End="2012-05-17">
          <LengthsOfStay>
            <LengthOfStay MinMaxMessageType="MinLOS" Time="3" TimeUnit="Day" />
          </LengthsOfStay>
          <DOW_Restrictions>
            <ArrivalDaysOfWeek Mon="true" Tue=" true" Weds=" true" Thur=" true" Fri=" true" Sat="true" Sun="true"
          />
            <DepartureDaysOfWeek Mon="true" Tue=" true" Weds=" true" Thur=" true" Fri=" true" Sat="true"
          Sun="true" />
          </DOW_Restrictions>
        </BookingRule>
      </BookingRules>
    </RuleMessage>
  </RuleMessages>
</OTA_HotelBookingRuleNotifRQ>

```

OTA_HOTELBOOKINGRULENOTIFRQ STRUCTURE 2

The OTA implementation looks like this:

DESKLINE 3.0 BOOKING RULE IMPORT

Request field	Description	Can be empty?	More than one possible?
POS → Source → AgentDutyCode	A unique code assigned from feratel to the external software-company sending availabilities. This is used to identify the sending company and will be unique per company. Must not be visible or known to the hotels!	<input type="checkbox"/>	<input type="checkbox"/>
RuleMessages	The element RuleMessages must only be present once. This means that it is only possible to send one request for one hotel at the time, not several hotels.	<input type="checkbox"/>	<input type="checkbox"/>
HotelCode	The attribute HotelCode contains the mapping value of the service provider.	<input type="checkbox"/>	<input type="checkbox"/>
RuleMessage	Container Element for the different conditions to import. Each different product needs its own RuleMessage element.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
StatusApplicationControl	Must be present	<input type="checkbox"/>	<input type="checkbox"/>
InvCode	The attribute InvCode contains the mapping value of the product.	<input type="checkbox"/>	<input type="checkbox"/>
BookingRules	Container element for the different BookingRule elements to import	<input type="checkbox"/>	<input type="checkbox"/>
BookingRule	Each different condition combination needs its own BookingRule element	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Start	Date beginning with the first day to assign conditions to.	<input type="checkbox"/>	<input type="checkbox"/>
End	The end date is included when assigning conditions to dates. So sending from "2012-04-05" to "2012-04-10" will save availabilities for the following dates: 2012-04-05, 2012-04-06, 2012-04-07, 2012-04-08, 2012-04-09 and 2012-04-10. This is a different workflow than handled by the availability import!	<input type="checkbox"/>	<input type="checkbox"/>
LenghtsOfStay	Container element for the LenghtOfStay element. Important: Only one possible.	<input type="checkbox"/>	<input type="checkbox"/>
LenghtOfStay	Element can be multiple for different MinMaxMessageTypes. We support MinLOS, MaxLOS and FixedLOS (Fixed length of stay for this period/interval). Always used in combination with the attributes Time and TimeUnit (always "Day"). If attribute Time is not provided it is set to Day. If this information is not send MinLOS and FixedLOS is automatically set to 1 and MaxLOS is set to 999. At least one element LengthOfStay has to be provided!	<input type="checkbox"/>	<input checked="" type="checkbox"/>
RestrictionStatus	Element including the information about arrival and departure restrictions	<input type="checkbox"/>	<input type="checkbox"/>
Restriction and Status	Can be Arrival, Departure or Master, we do not support any other restrictions, if any others are send we ignore. Attribute Status can be Open or Close, we do not support any other restrictions, if any others are send we ignore. There are 4 different cases: Case 1: Restriction="Master" Status="Open" <ul style="list-style-type: none"> • Arrival allowed • Departure allowed (Same behavior if Restriction is Arrival or Departure in combination with Status Open) Case 2: Restriction="Departure" Status="Close" <ul style="list-style-type: none"> • Arrival allowed • Departure not allowed 	<input type="checkbox"/>	<input type="checkbox"/>

DESKLINE 3.0 BOOKING RULE IMPORT

	Case 3: Restriction="Arrival" Status="Close" <ul style="list-style-type: none"> • Arrival not allowed • Departure allowed 		
	Case 4: Restriction="Master" Status="Close" <ul style="list-style-type: none"> • Arrival not allowed • Departure not allowed 		

Request Example

For two different products

```

<OTA_HotelBookingRuleNotifRQ xmlns="http://www.opentravel.org/OTA/2003/05" TimeStamp="1980-01-01T15:25:16" Target="Production" Version="1.0" PrimaryLangID="en">
  <POS>
    <Source AgentDutyCode="FERTEST" />
  </POS>
  <RuleMessages HotelCode="FERFER">
    <RuleMessage>
      <StatusApplicationControl InvCode="FERFERDZ1"/>
      <BookingRules>
        <BookingRule Start="2012-06-01" End="2012-06-15">
          <LengthsOfStay>
            <LengthOfStay MinMaxMessageType="MinLOS" Time="7" TimeUnit="Day" />
            <LengthOfStay MinMaxMessageType="MaxLOS" Time="21" TimeUnit="Day" />
            <LengthOfStay MinMaxMessageType="FixedLOS" Time="7" TimeUnit="Day" />
          </LengthsOfStay>
          <RestrictionStatus Restriction="Master" Status="Open"/>
        </BookingRule>
      </BookingRules>
    </RuleMessage>
    <RuleMessage>
      <StatusApplicationControl InvCode="FERFEREZ1"/>
      <BookingRules>
        <BookingRule Start="2012-06-16" End="2012-06-20">
          <LengthsOfStay>
            <LengthOfStay MinMaxMessageType="MinLOS" Time="3" TimeUnit="Day" />
          </LengthsOfStay>
          <RestrictionStatus Restriction="Arrival" Status="Close"/>
        </BookingRule>
      </BookingRules>
    </RuleMessage>
  </RuleMessages>
</OTA_HotelBookingRuleNotifRQ>
  
```

OTA_HOTELAVAILNOTIFRQ

The OTA implementation looks like this:

Request field	Description	Can be empty?	More than one possible?
POS → Source → AgentDutyCode	A unique code assigned from feratel to the external software-company sending availabilities. This is used to identify the sending company and will be unique per	<input type="checkbox"/>	<input type="checkbox"/>

DESKLINE 3.0 BOOKING RULE IMPORT

	company. Must not be visible or known to the hotels!	<input type="checkbox"/>	<input type="checkbox"/>
AvailStatusMessages	The element AvailStatusMessages must only be present once. This means that it is only possible to send one request for one hotel at the time, not several hotels.	<input type="checkbox"/>	<input type="checkbox"/>
HotelCode	The attribute HotelCode contains the mapping value of the service provider.	<input type="checkbox"/>	<input type="checkbox"/>
AvailStatusMessage	Container Element for the different conditions to import. Each different product needs its own AvailStatusMessage element.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
StatusApplicationControl	Must be present	<input type="checkbox"/>	<input type="checkbox"/>
InvCode	The attribute InvCode contains the mapping value of the product.	<input type="checkbox"/>	<input type="checkbox"/>
Start	Date beginning with the first day to assign conditions to.	<input type="checkbox"/>	<input type="checkbox"/>
End	The end date is included when assigning conditions to dates. So sending from "2012-04-05" to "2012-04-10" will save availabilities for the following dates: 2012-04-05, 2012-04-06, 2012-04-07, 2012-04-08, 2012-04-09 and 2012-04-10. This is a different workflow than handled by the availability import!	<input type="checkbox"/>	<input type="checkbox"/>
LenghtsOfStay	Container element for the LenghtOfStay element. Important: Only one possible.	<input type="checkbox"/>	<input type="checkbox"/>
LenghtOfStay	Element can be multiple for different MinMaxMessageTypes. We support MinLOS, MaxLOS and FixedLOS (Fixed length of stay for this period/interval). Always used in combination with the attributes Time and TimeUnit (always "Day"). If attribute Time is not provided it is set to Day. If this information is not send MinLOS and FixedLOS is automatically set to 1 and MaxLOS is set to 999. At least one element LengthOfStay has to be provided!	<input type="checkbox"/>	<input checked="" type="checkbox"/>
RestrictionStatus	Element including the information about arrival and departure restrictions	<input type="checkbox"/>	<input type="checkbox"/>
Restriction and Status	Can be Arrival, Departure or Master, we do not support any other restrictions, if any others are send we ignore. Attribute Status can be Open or Close, we do not support any other restrictions, if any others are send we ignore. There are 4 different cases: Case 1: Restriction="Master" Status="Open" <ul style="list-style-type: none"> Arrival allowed Departure allowed (Same behavior if Restriction is Arrival or Departure in combination with Status Open) Case 2: Restriction="Departure" Status="Close" <ul style="list-style-type: none"> Arrival allowed Departure not allowed Case 3: Restriction="Arrival" Status="Close" <ul style="list-style-type: none"> Arrival not allowed Departure allowed Case 4: Restriction="Master" Status="Close" <ul style="list-style-type: none"> Arrival not allowed Departure not allowed 	<input type="checkbox"/>	<input type="checkbox"/>

DESKLINE 3.0 BOOKING RULE IMPORT

Request Example

For one product, but two different periods

```

<OTA_HotelAvailNotifRQ xmlns="http://www.opentravel.org/OTA/2003/05" TimeStamp="1980-01-01T15:25:16"
Target="Production" Version="1.0" PrimaryLangID="en">
  <POS>
    <Source AgentDutyCode="FERTEST" />
  </POS>
  <AvailStatusMessages HotelCode="FERFER">
    <AvailStatusMessage>
      <StatusApplicationControl InvCode="FERFERDZ1" Start="2012-07-01" End="2012-07-10"/>
      <LengthsOfStay>
        <LengthOfStay MinMaxMessageType="MinLOS" Time="7" TimeUnit="Day" />
        <LengthOfStay MinMaxMessageType="MaxLOS" Time="999" TimeUnit="Day" />
        <LengthOfStay MinMaxMessageType="FixedLOS" Time="1" TimeUnit="Day" />
      </LengthsOfStay>
      <RestrictionStatus Restriction="Master" Status="Open"/>
    </AvailStatusMessage>
    <AvailStatusMessage>
      <StatusApplicationControl InvCode="FERFERDZ1" Start="2012-07-11" End="2012-07-30"/>
      <LengthsOfStay>
        <LengthOfStay MinMaxMessageType="MinLOS" Time="3" TimeUnit="Day" />
        <LengthOfStay MinMaxMessageType="MaxLOS" Time="999" TimeUnit="Day" />
        <LengthOfStay MinMaxMessageType="FixedLOS" Time="1" TimeUnit="Day" />
      </LengthsOfStay>
      <RestrictionStatus Restriction="Master" Status="Open"/>
    </AvailStatusMessage>
  </AvailStatusMessages>
</OTA_HotelAvailNotifRQ>
  
```

BOOKING RULE IMPORT RESPONSE EXAMPLE

Import successful:

```

<?xml version="1.0" encoding="UTF-8"?>
<OTA_HotelAvailNotifRS xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema" Version="0"
xmlns="http://www.opentravel.org/OTA/2003/05">
  <Success />
</OTA_HotelAvailNotifRS>
  
```

If the XML is not valid and can't be processed:

```

<?xml version="1.0" encoding="UTF-8"?>
<OTA_HotelAvailNotifRS xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema" Version="0"
xmlns="http://www.opentravel.org/OTA/2003/05">
  <Success />
  <Warnings>
    <Warning Language="en" Type="10" Code="425">No match found HotelCode FERFER and InvCode
  
```

DESKLINE 3.0 BOOKING RULE IMPORT

```

FERFERD1.</Warning>
</Warnings>
</OTA_HotelAvailNotifRS>
  
```

Other problems that do not immediately stop the interface from processing the request will result in warnings (<Errors> will become <Warnings>) according to the OTA Error Type List:

Error Code	Reason
104	Accommodation does not use availability. Setting in the Deskline 3.0 data if availabilities can be stored for a room or not.
135	End date is invalid (already passed or too far in the future)
136	Start date is invalid (already passed or too far in the future)
183	Agency suspended – access denied (interface deactivated or not allowed for the customer)
321	POS element is missing
321	AgentDutyCode is missing
321	Hotel Code is missing
321	Start/End Date missing in StatusApplicationControl
321	InvCode missing
375	Hotel not active (Deskline 3.0 setting if a hotel is active or not)
425	No match found for the mapping or the mapping is inactive (mapping can be entered and activated/deactivated)
497	Authorization error (company code not valid)

Sending conditions more than 800 days in the future will result in a warning and only conditions within the first 800 days will be imported.

CHANGE LOG

This document will be changed during the further development process and these changes will be documented here.

Version	Description of changes done
1.0.0 (2012-04-26)	<ul style="list-style-type: none"> • First version
1.0.1 (2014-03-05)	<ul style="list-style-type: none"> • Loosened restriction to send data only 550 days in future to 800 days.