DECEMBER 2010

OpenTravel 2010B Schema Publication Release Notes

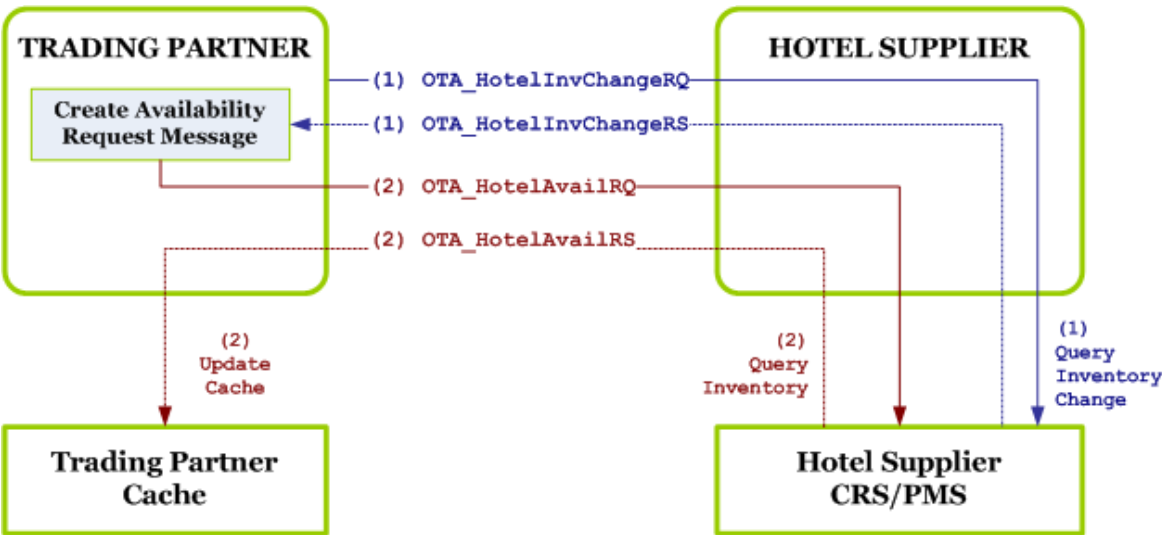# New OpenTravel Messages

Hotel Inventory Change Messages (OTA_HotelInvChangeRQ/RS)

OpenTravel Hotel Inventory Change Schema Dictionary

The OpenTravel Hotel Inventory Change message pair facilitates streamlined hotel inventory availability transactions for trading partners that cache hotel rates and availability information from hotel suppliers. The messages are designed to alleviate two significant challenges faced by both hotel suppliers and their trading partners, which are out of synch caches and rising infrastructure/support costs associated with handling a high volume of availability transactions. This new message pair is used in combination with the Hotel Availability (OTA_HotelAvailRQ/RS) messages as described below. In this scenario, two trading partners are involved, where Partner A is a hotel supplier and Partner B is an online booking service:

In step 1, Partner B sends a Hotel Inventory Change request message with their specified criteria that includes a timestamp of the last time they made a Hotel Inventory Change request and the information categories they want to update in their cache, which may be rates data, availability data or both. Depending on the trading partner agreement between the two partners, Partner B may also specify more granular search criteria in their Hotel Inventory Change request, such as chain code, rate plan codes, promotion codes and geographical areas, such as a city. Partner A processes the request message and sends a response message to Partner B with a list of hotel codes that should be updated in Trading Partner B's cache. Note that Partner A may additionally specify rate plan ID's and room types (for each returned hotel code) that should be updated in Partner B's cache. In step 2, Partner B sends an OpenTravel Hotel Availability request message to Partner A that includes a list of inventory items (that were included in the response message returned from Step 1) that require a cache update, and subsequently receives the requested information in the Hotel Availability response message from Partner A.

OTA_HotelInvChangeRQ Request Message Overview

This message enables a trading partner's system to request hotel inventory items that have availability and/or rate changes and therefore should be updated in a trading partner's cache. There are several methods that may be used to specify rates and availability cache parameters and search criteria in the OTA_HotelInvChangeRQ message, including categories of hotel inventory information and the time period for the cache information to be returned.
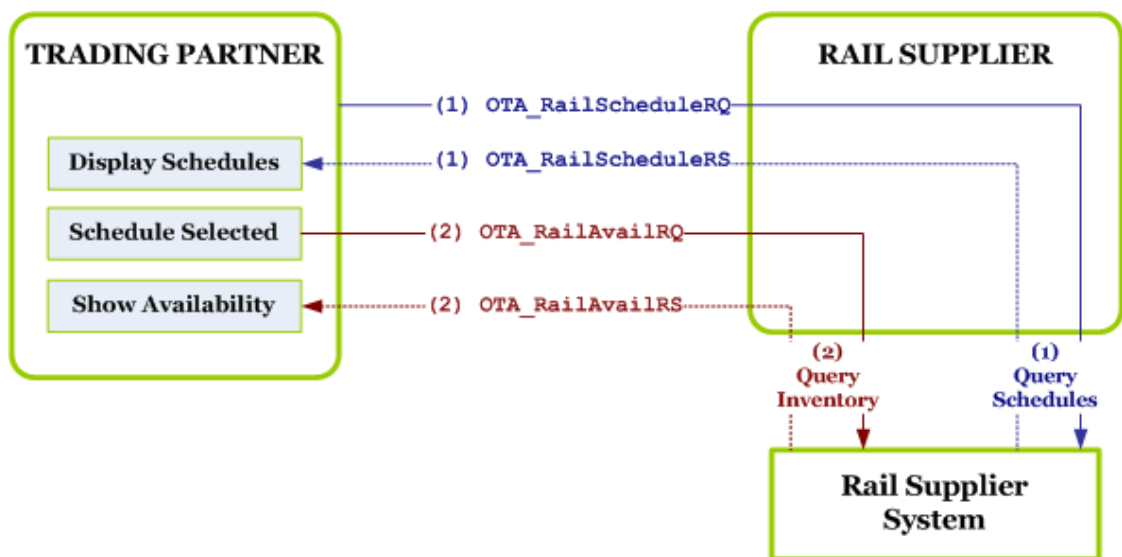
OTA_HotelInvChangeRS Response Message

This message identifies hotels which have availability and/or rate changes and therefore should be updated in a trading partner's cache. The information in the response message will indicate if an OTA_HotelAvailRQ is required to refresh the trading partner's data cache. All hotel rates and availability information in the OTA_HotelInvChangeRS message is returned by Hotel Code.

Rail Schedule Messages (OTA_RailScheduleRQ/RS)

OpenTravel Rail Schema Dictionary

The OpenTravel Rail Schedule message pair facilitates exchanging rail schedule information between a rail supplier and trading partners. The Rail Schedule message pair is typically used as a precursor to Rail Availability (OTA_RailAvailRQ/RS) messages and may be used to reduce transaction load against a rail rates and availability system when inventory availability and fares are not required as shown in the scenario below.

A rich set of rail schedule information may be exchanged that includes: origin & destination; train segment details for a collection of one or more legs that are defined as a single train number; departure and arrival station details; marketing and operating train company information; the type of equipment used for the train journey; on time information for the train; classes of service codes and special comments for the leg of the journey.

OTA_RailScheduleRQ Request Message Overview

The Rail Schedule request message requests rail schedules for a city pair. Optional request information can include: departure time and flexible time windows; connecting cities; and passenger preferences (such as specific trains, cabin and seat types, train types etc.) The flexibility of the message allows the request to be narrowed to schedules for a specific train.

OTA_RailScheduleRS Response Message Overview

The Rail Schedule Response message contains rail schedules for a city pair. A set of OriginDestinationOptions are returned, each of which contains one or more (connecting) trains that serve a city pair. For each train, the following information may be returned: origin and destination railway stations; departure and arrival times; station information including days and hours of operation, and station staffing and self-serve technology options. This message contains similar information to the OTA_RailAvailRS message except it does not contain inventory availability and fares.

Rail Confirm Booking Messages (OTA_RailConfirmBookingRQ/RS)

OpenTravel Rail Schema Dictionary

The 2010B enhanced Rail booking messages support both transactional queued and non-transactional queued provisional booking message implementations. Note that a "provisional" booking is a reservation that may have been processed successfully using the OTA_RailBookRQ message, but has not been confirmed in the trading partners system as committed or cancelled.

Use of the Messages in Transactional Queue Implementations

In a transactional queue implementation, one or more provisional booking message(s) are typically added to a provisional booking queue using an OTA_RailBookRQ/RS message and can be subsequently grouped into a set that can be applied as one transaction for either removal from the queue by a cancellation request using the OTA_RailIgnoreBookingRQ/RS message; or a final booking confirmation using the OTA_RailConfirmBookingRQ/RS message as shown in the example below. Note in this example the "provisional booking queue" is only shown for the rail supplier:

(1) OTA_RailBookRQ →
(1) OTA_RailBookRS ←

Add to Queue
Return Provisional
Booking Unique ID

(2A) OTA_RailConfirmBookingRQ →
(2A) OTA_RailConfirmBookingRS ←

**Remove from Queue
Return PNR
Confirmation**

(2B) OTA_RailIgnoreBookingRQ →
(2B) OTA_RailIgnoreBookingRS ←

Remove from Queue
Return Cancelled
Booking Confirmation
ID

Travel Partner System — **Rail Supplier System** — **Provisional Booking Queue**

The OTA_RailConfirmBookingRS message returns a PNR Locator list which is contained within the <Confirmation> element in the message. Within the PNR Locator list, the rail supplier may return only unique ID(s) for the confirmed reservations -OR- the unique ID (s) and corresponding reservation details. Note that in a transactional queued implementation, *all reservations in a submitted set* must be processed successfully or a <Success> element *will not* be returned in the response message. For example, if there are 5 provisional booking message ID's submitted in the request message and one or more fail during the COMMIT process, then the entire transaction—including all 5 of the provisional booking messages—are NOT considered to be COMMITTED and no PNR information will be returned.

OTA_RailConfirmBookingRQ Request Message Overview

The Rail Confirm Booking RQ message is the request message to commit one or more provisionally booked messages that have been processed successfully from an OTA_RailBookRQ message but are not yet confirmed in the trading partners system. One or more unique ID's of provisional bookings are specified in the <UniqueID> element within the message. Successful processing of this message results in PNR creation.

OTA_RailConfirmBookingRS Request Message Overview

The Rail Confirm Booking RS message is the response message for an OTA_RailConfirmBookingRQ that commits one or more provisionally booked messages that have been processed successfully from an OTA_RailBookRQ message but are not yet confirmed in the trading partners system as booked. If the request message has been processed successfully, the Confirmation element in this response message contains the PNR Locator list that contains only unique ID(s) –OR- unique ID(s) with corresponding reservation information.
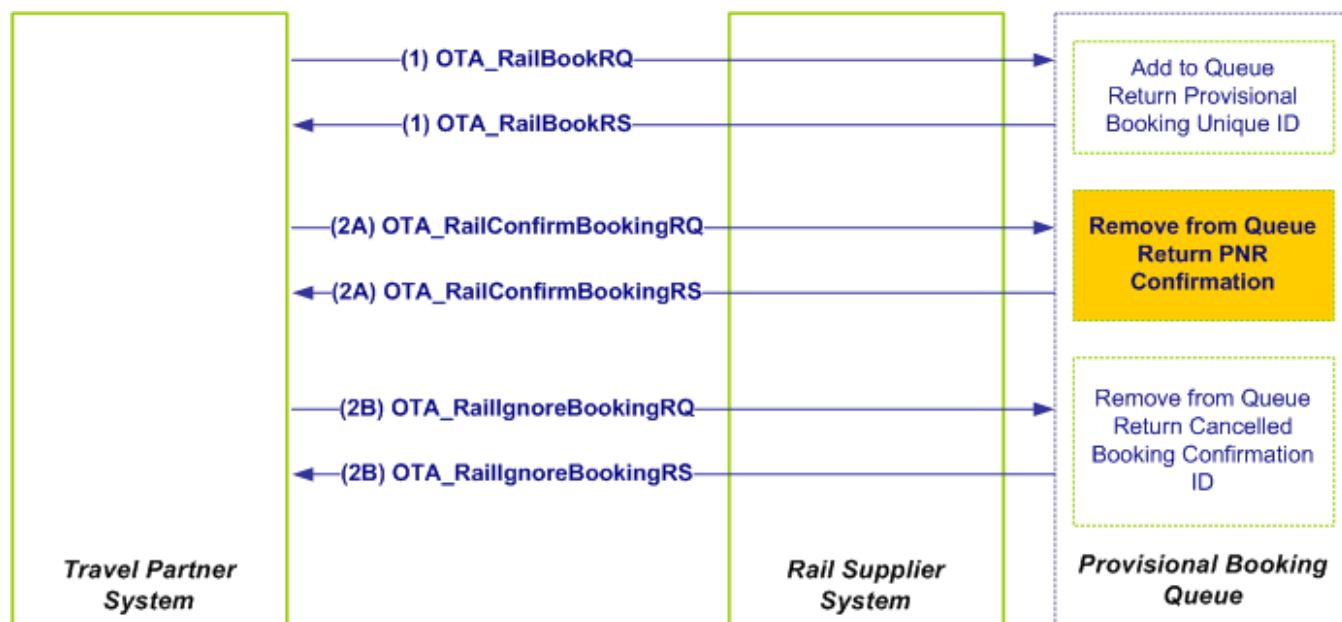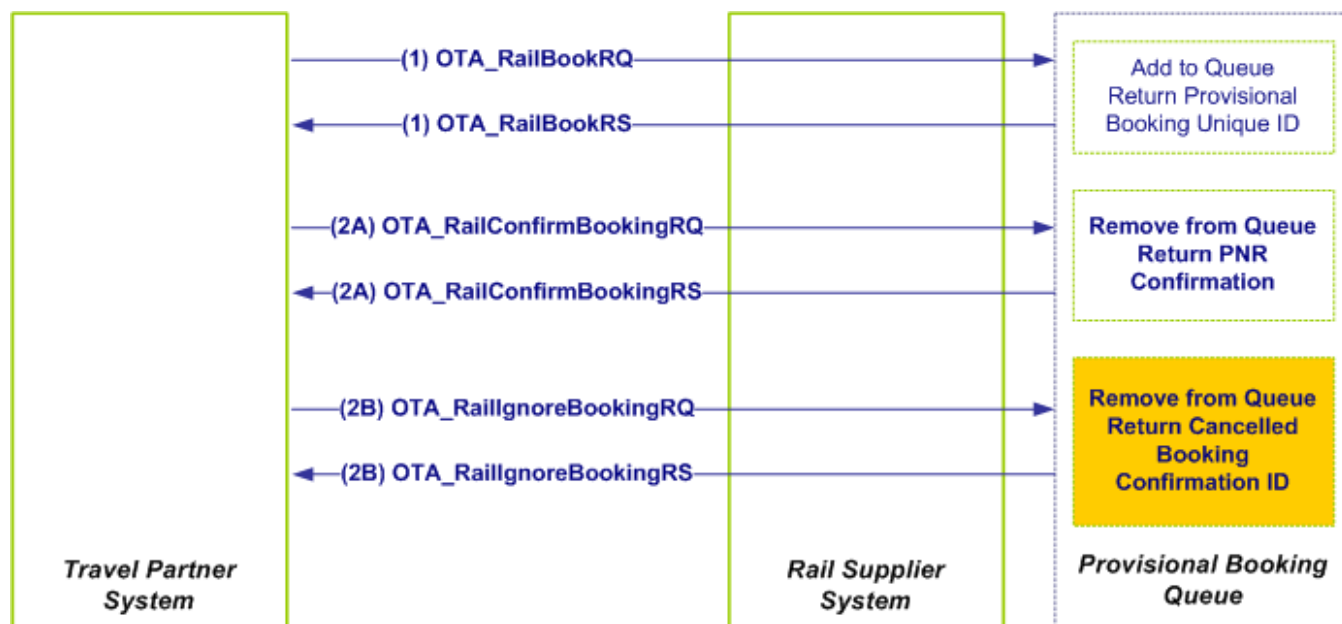

Rail Ignore Booking Messages (OTA_RailIgnoreBookingRQ/RS)

OpenTravel Rail Schema Dictionary

The 2010B enhanced Rail booking messages support both transactional queued and non-transactional queued provisional booking message implementations. Note that a "provisional" booking is a reservation that may have been processed successfully using the OTA_RailBookRQ message, but has not been confirmed in the trading partners system as committed or cancelled.

Use of the Messages in Transactional Queue Implementations

In a transactional queue implementation, one or more provisional booking message(s) are typically added to a provisional booking queue using an OTA_RailBookRQ/RS message and can be subsequently grouped into a set that can be applied as one transaction for either removal from the queue by a cancellation request using the OTA_RailIgnoreBookingRQ/RS message; or a final booking confirmation using the OTA_RailConfirmBookingRQ/RS message as shown in the example below. Note in this example the "provisional booking queue" is only shown for the rail supplier:

OTA_RailIgnoreBookingRQ Request Message Overview

The Rail Ignore Booking RQ message is the request message to cancel one or more provisionally booked messages that have been processed successfully from an OTA_RailBookRQ message but are not yet confirmed in the trading partners system. One or more unique ID's of provisional bookings are specified in the <UniqueID> element within the message. Successful processing of this message results in a list of unique ID's for the cancelled reservation(s) and optionally cancelled provisional reservation information.
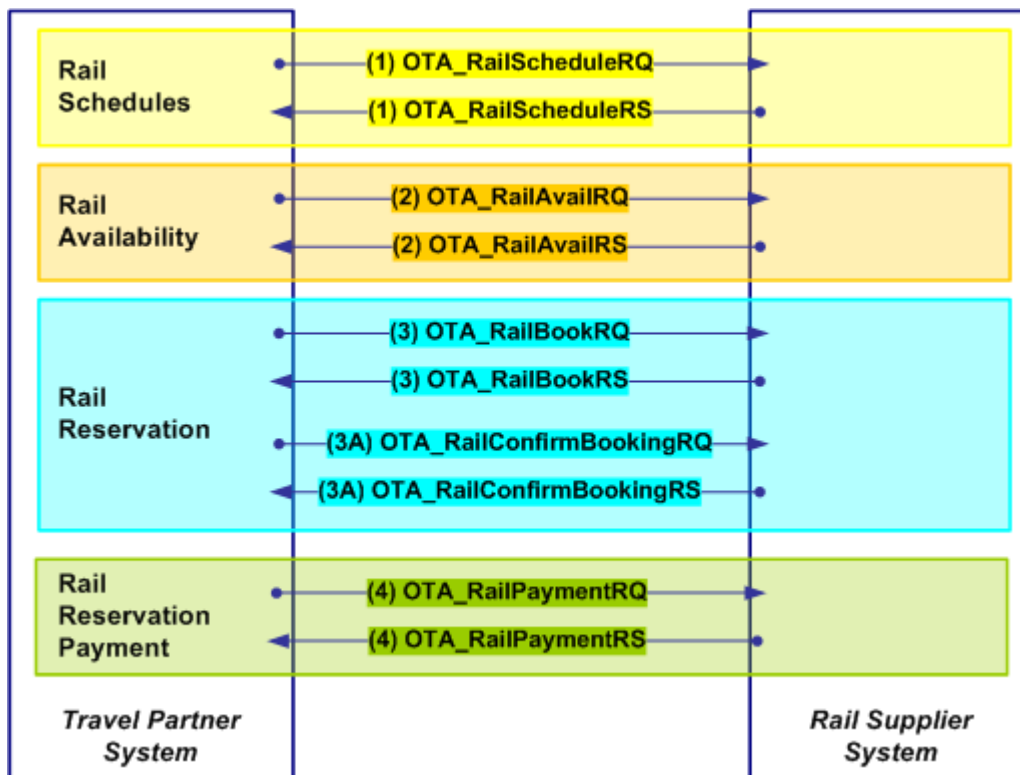
OTA_RailIgnoreBookingRS Request Message Overview

The Rail Ignore Booking RS message is the response message for an OTA_RailIgnoreBookingRQ that cancels one or more provisionally booked messages that have been processed successfully from an OTA_RailBookRQ message but are not yet confirmed in the trading partners system as booked.

If the request message has been processed successfully, the Confirmation element in this response message contains unique ID(s) with corresponding reservation information as shown in the two examples below. NOTE that this is an implementation detail that you should discuss with your trading partners prior to implementing this message.

Rail Payment Messages (OTA_RailPaymentRQ/RS)

OpenTravel Rail Schema Dictionary

The Rail Payment message pair is used to submit a payment for a rail reservation. This message is typically used in some combination with the OTA_RailBookRQ/RS, OTA_RailConfirmBookingRQ/RS and OTA_RailIgnoreBookingRQ/RS messages as shown in the diagram below:

OTA_RailPaymentRQ Request Message Overview

The Rail Payment RQ message is the request message to provide payment for a booked reservation and includes the unique ID associated with the reservation, e.g. a confirmation number and PNR record locator. It allows multiple forms of payment to be used to pay for a single reservation. A variety of payment forms are accepted, including debit and credit cards, exchanged tickets, cash, vouchers, bank drafts and loyalty redemption. In addition to reservation payment information, commission information may also be exchanged, including prepaid amounts, percentages and payment frequency.

OTA_RailPaymentRS Request Message Overview

The Rail Payment RS message returns the reservation confirmation number that uniquely identifies the reservation, e.g. confirmation number and PNR record locator, if the payment and commission information has been successfully processed. If payment has not been processed successfully, it may return one or more business errors that provide details on why the payment or commission could not be processed.

Significantly Enhanced OpenTravel Messages

Vehicle Rental No Show Fees

OpenTravel Vehicle Rental No Show Fees Schema Dictionary

With the recent down turn in the economy, car rental companies are finding it more difficult to get new vehicles and must now work with smaller fleets while trying to grow their businesses. For the vehicle rental company, the new OpenTravel "Vehicle Rental No Show Fee" functionality facilitates the efficient utilization of a smaller fleet while providing transparency of no show fee policies and other information for maintaining a high level of customer satisfaction. In addition to the existing functionality in OpenTravel car schema that addresses charging cancellation fees when a reservation is actually cancelled, the new "Vehicle Rental No Show Fee" functionality facilitates a no show fee charged to a customer that books a reservation, does not cancel it, and then fails to pick up the vehicle. The vehicle no show fee is specified at the individual vehicle level, e.g. there is no method to specify that a no show fee applies to all vehicles returned in a Vehicle Availability & Rates or Vehicle Rate Rule response message.

Two key concepts within the no show fee functionality are deadlines and grace periods. A deadline specifies the vehicle rental company's policy about the time by which a reservation cancellation must be made to avoid the no show fee. The grace period represents the time period between a scheduled pick-up time and when the no show fee is invoked.

Enhancements to OpenTravel Schema

The following OpenTravel vehicle messages have been enhanced to disclose a no show fee to customers and support the collection of the fee:

OTA_CommonTypes
- A new a DeadlineGroup attribute group was added to the OTA_CommonTypes/MonetaryRuleType complex type.
- A new enumeration named "AfterArrival" was added to the OTA_CommonTypes/DeadlineGroup/@OffsetDropTime attribute of the DeadlineGroup attribute group.
- A new enumeration "No-show" was added to the CommissionType/@StatusType attribute.

OTA_VehicleCommonTypes
- A new "@NoShowFeeInd" attribute (of type xs:boolean) was added to the VehicleRentalRateType/RateRestrictions element and, when true, it indicates that a no show fee applies if the vehicle is not picked up and the reservation has not been canceled.

OTA_VehAvailRateRS

Specifying that a vehicle has a no show fee:

- If a vehicle rental no show fee applies to a specific vehicle, the new @NoShowFeeInd attribute in the RateRestrictions element will be set to true, for example:
  `<RateRestrictions AdvancedBookingInd="true" GuaranteeReqInd="true" NoShowFeeInd="true"/>`

Specifying the payment rules for the no show fee:

- The PaymentRules/PaymentRule element contains the no show fee rules and policy information to be displayed to the customer.

- The optional no show fee policy information that may be displayed to the customer is in the PaymentRule element, for example:
  `<PaymentRule Amount="25.00" CurrencyCode="USD" RuleType="5" OffsetTimeUnit="Hour" OffsetUnitMultiplier="24" OffsetDropTime="BeforeArrival"/>`

OTA_VehRateRuleRS

Specifying that a vehicle has a no show fee:

- If a vehicle rental no show fee applies to a specific vehicle rate rule, the new @NoShowFeeInd attribute in the RentalRate/RateRestrictions element will be set to true, for example:
  `<RateRestrictions AdvancedBookingInd="true" GuaranteeReqInd="true" NoShowFeeInd="true"/>`

Specifying the payment rules, fee amounts, grace periods and policy information for the no show fee:

- The NoShowFeeInfo element is located within the RateRules element at the root of the message and allows specification of deadlines for when the no show fee goes into effect; a grace period for the no show fee; the no show fee amount and whether or not a customer email address is required during the booking process and the no show fee description (text that is shown to customers). An example is:

```xml
<!-- VEHICLE RENTAL NO SHOW FEE INFORMATION -->
<NoShowFeeInfo>
    <Deadline OffsetTimeUnit="Hour" OffsetUnitMultiplier="24" OffsetDropTime="BeforeArrival" />
    <GracePeriod OffsetTimeUnit="Hour" OffsetUnitMultiplier="2" OffsetDropTime="AfterArrival" />
    <FeeAmount Amount="25.00" CurrencyCode="USD" GuaranteeReqInd="true"
EmailRequiredInd="false" />
    <Description Formatted="true" Language="en" TextFormat="PlainText">A no show fee of 25.00 USD
will be charged for reservations that are not picked up. No fee will be charged if the reservation is cancelled
more than 24 hours before the pickup. If flight information is provided and the flight is cancelled or delayed,
no fee will be charged. </Description>
</NoShowFeeInfo>
```

Electronic Miscellaneous Documents (EMD) for Air Messages

OpenTravel Electronic Miscellaneous Documents (EMD) Schema Dictionary

Electronic miscellaneous document (EMD) business functionality in OpenTravel air messages allows OpenTravel implementers to exchange fee-related information (that is separate from a fare) for items and services passengers can purchase to enhance their travel experience. These items and services include inflight amenities such as meals and entertainment and the sale of merchandise. Additionally, other EMD fees, such as fees for baggage charges may be exchanged. EMD's are stored in a reservation system (in conjunction with a booking transaction) if there is any relationship to a PNR (passenger name record) and are stored in ticketing segments if there is any association to an eTicket.

Electronic Miscellaneous Documents background: In 2004, the airline industry proposed a new concept in pricing that would include the ability to identify and charge fees for services separately from the fare. These fees cover optional services such as merchandise, in-flight services, and standard services such as unaccompanied minor fees, excess baggage charges, and oxygen. In addition the EMD covers services traditionally booked on the paper Miscellaneous Charges Order such as refunds and cancellation penalties.

Enhancements to OpenTravel Schema

The following OpenTravel Air messages have been enhanced to exchange EMD information:

OTA_AirCommonTypes
A new EMD_Type element was added.

OTA_AirBookRQ/RS
- A new EMD_Info element was added that holds the EMD information.

OTA_AirBookModifyRQ
- A new EMD_Info element was added that holds the EMD information.

OTA_AirDisplayQueueRS
- A new EMD_Info element that holds the EMD information was added to the /DisplayQueue/AirReservations/AirReservation element.

Charitable Donation Information in Air, Car and Hotel Booking Request Messages

OpenTravel Charitable Donations Schema Dictionary

OpenTravel is pleased to announce support for micro-donations in OpenTravel Air, Car and Hotel booking request messages. The current implementation supports "Massive Good" micro-donations but is flexible in its support for any type of micro-donation in an OpenTravel booking request message due to the reuse of OpenTravel elements, simple types and attribute groups.

Donation Information Collected and/or Exchanged During an OpenTravel Booking Request

The categories of information collected and exchanged during an OpenTravel air, car and hotel booking request includes:

- Donor name, address, contact information and preferred language
- Donor credit card information
- Donation server authentication information

Specifying General Donation Information

General donation information includes:
- @Language - The localized error response language.
- @GDS_ID - The ID of the GDS (global distribution service) providing the donation.
- @AskForReceiptInd - If true, the donor wants a donation receipt.
- @CountryCode - The 2 character ISO3166 country code of the donor.
- @StateCode - The origin state of the donor.

Specifying Front Office Information

In the current implementation, Front Office information contains the identification and authentication information for the Massive Good donation server (note that these field values must be acquired from an Amadeus or Millennium Foundation Administrator):
- <FrontOfficeInfo> - The identifying fields for the front office for a Massive Good donation: Product Name, Product version, Office ID and Corporate ID.
- @ProductName - The Massive Good/ Amadeus Donation Service product name.
- @ProductVersion - The Massive Good/ Amadeus Donation Service product version.
- @OfficeID - The Massive Good/ Amadeus Donation Service office ID.
- @CorporateID - The Massive Good/ Amadeus Donation Service corporate ID.

Specifying Credit Card Payment Information

Credit card payment information for the donation includes:
- <CreditCardInfo> - Donation credit card information.
- @Currency - The donation currency code (ISO 4217.)
- @DonationAmount - The donation amount.
- @CardType - Indicates the type of magnetic striped card. Refer to OpenTravel Code List "Card Type (CDT)."
- @CardNumber - Credit card number embossed on the card.
- @EffectiveDate - Indicates the starting date.
- @ExpireDate - Indicates the ending date.
- <CardHolderName> - Name of the card holder.

Specifying Donor Name and Contact Information

Donor name and contact information includes:
- <DonorInfo> - Donor information, including Email Address, First Name, Last Name, Street Address, City and Zip Code.
- <Name> - The donor name.
- <GivenName> - Given name, first name or names.
- <Surname> - Family name, last name. May also be used for full name if the sending system does not have the ability to separate a full name into its parts, e.g. the surname element may be used to pass the full name.
- <ContactInfo> - Donor address and email address information.
- @EmailAddress - The donor email address.
- <AddressLine> - When the address is unformatted (FormattedInd="false") these lines will contain free form address details. When the address is formatted and street number and street name must be sent independently, the street number will be sent using StreetNmbr, and the street name will be sent in the first AddressLine occurrence.
- <CityName> - City (e.g., Dublin), town, or postal station (i.e., a postal service territory, often used in a military address).
- <PostalCode> - Post Office Code number.

Enhanced OpenTravel Schema Details

The following OpenTravel booking request messages have been enhanced to exchange micro-donation information:

OTA_CommonTypes
- A new DonationType element was added that includes numerous elements and attributes.

OTA_AirBookRQ
- The OTA_AirBookRQ message has been enhanced with an OTA_AirBookRQ/DonationInformation element.

OTA_HotelResRQ
- The OTA_HotelResRQ message has been enhanced with an OTA_HotelResRQ/DonationInformation element.

OTA_VehResRQ
- The OTA_VehResRQ message has been enhanced with an OTA_VehResRQ/DonationInformation element.

Schemas Changed

Note: all new elements and attributes are optional unless noted otherwise.

Text in red indicates the schema is non-forward compatible, or, if indicated in a common type's schema, the messages using the included construct are now non-forward compatible.

OTA_AirBookRQ.xsd

Other Changes:

OTA_AirBookRQ
- Added new EMD_Info of type EMD_Type
- Added new DonationInformation element of type DonationType

OTA_AirBookRS.xsd

Other Changes:

AirReservation
- Added new EMD_Info element of type EMD_Type

OTA_AirBookModifyRQ.xsd

Other Changes:

AirBookModifyRQ
- Added new EMD_Info of type EMD_Type

OTA_AirCheckIn.xsd

Other Changes:
PassengerFlightInfo/SeatBoardingInfo
- Added new SeatLocationGroup attributeGroup

PassengerInfo
- Added new PassengerAssociationID of type xs:string

OTA_AirCommonTypes.xsd

New simpleType(s):

FareAmountType of type xs:NMTOKEN with enumerations:
   NOADC, Bulk, IT

PurposeType of type xs:NMTOKEN with enumerations:
   Sell, Net, Base, Refund, Additional

New attributeGroup(s):

OriginDestinationGroup with elements and/or attributes:
  @OriginCityCode of type StringLength1to8
  @OriginCodeContext of type StringLength1to32
  @DestinationCityCode of type StringLength1to8
  @DestinationCodeContext of type StringLength1to32

ReasonForIssuanceGroup with elements and/or attributes:
  @Code of type OTA_CodeType
  @SubCode of type OTA_CodeType
  @Description of type StringLength1to128

New complexType(s):

EMD_Type with the following elements and/or attributes:
  @TotalFltSegQty of type Numeric0to99
  @Quantity of type xs:nonNegativeInteger
  @SpecificData of type StringLength1to32
  @TaxOnCommissionInd of type xs:boolean
  @TicketingModeCode of type AlphaNumericStringLength1
  @EMD_Type of type xs:NMTOKEN with "EMD-S" and "EMD-A" enumerations
  @QuoteInd of type xs:boolean
  @Operation of type ActionType
  @RPH of type RPH_Type
  TravelerRefNumber with the following elements and/or attributes:
    @TravelerRefNumberGroup attributeGroup
  AgentID of type UniqueID_Type
  PaymentDetail of type PaymentDetailType
  OriginDestination with the following elements and/or attributes:
    @OriginDestinationGroup attributeGroup
  CustLoyalty with the following elements and/or attributes:
    @CustomerLoyaltyGroup attributeGroup
  Endorsement with the following elements and/or attributes:
    @Info of type StringLength1to255
  AddReferenceID of type UniqueID_Type
  BaseFare with the following elements and/or attributes:
    @CurrencyAmountGroup attributeGroup
    @Purpose of type PurposeType
    @FareAmountType of type FareAmountType
  EquivFare with the following elements and/or attributes:
    @CurrencyAmountGroup attributeGroup
    @Purpose of type PurposeType
    @FareAmountType of type FareAmountType
    @BankExchangeRate of type Money
  TotalFare with the following elements and/or attributes:
    @CurrencyAmountGroup attributeGroup
    @Purpose of type PurposeType
    @FareAmountType of type FareAmountType
  Taxes with the following elements and/or attributes:
    Tax of type AirTaxType
  UnstructuredFareCalc with the following elements and/or attributes:
    @FareCalcMode of type AlphaNumericStringLength1
    @Operation of type ActionType
    @Type of type PurposeType
    @ReportingCode of type AlphaNumericStringLength1
    @Info of type xs:string
  FareInfo of type ET_FareInfo
  TicketDocument with the following elements and/or attributes:
    @TicketDocumentNbr of type StringLength1to16
    @Type of type xs:NMTOKEN with "Ticket" and "EMD" enumerations
    @PrimaryDocInd of type xs:boolean
    @InConnectionDocNbr of type StringLength1to16
    @DateOfIssue of type xs:date
    @ExchangeTktNbrInd of type xs:boolean

```
        @CompanyID_AttributesGroup attributeGroup
      CouponInfo with the following elements and/or attributes:
        @Number of type Numeric1to4
        @InConnectionNbr of type Numeric1to4
        @CouponReference of type StringLength1to8
        @FareBasisCode of type StringLength1to16
        @Start of type DateOrTimeOrDateTimeType
        @Duration of type DurationType
        @End of type DateOrTimeOrDateTimeType
        @Status of OTA_CodeType
        @CouponItinerarySeqNbr of type Numeric0to99
        @UnitsOfMeasure attributeGroup
        @InvoluntaryIndCode of type xs:NMTOKEN with "I", "L" and "S" enumerations
        @SettlementAuthCode of type AlphaNumericStringLength1to14
        @Value of type Money
        @AssociateInd of type xs:boolean
        @PromotionalCode of type AlphaNumericStringLength1to14
        @Remark of type StringLength1to128
        @TaxOnEMD_Ind of type xs:boolean
        @AssocFareBasisCode of type StringLength1to16
        @ConsumedAtIssuanceInd of type xs:boolean
        @DateOfService of type DateOrDateTimeType
        SoldFlightSegmentRPH of type RPH_Type
        CheckedInAirlineRPH of type RPH_Type
        FlownAirlineSegmentRPH of type RPH_Type
        ExcessBaggage with the following elements and/or attributes:
          @CurrencyAmountGroup attributeGroup
          @UnitsOfMeasureGroup attributeGroup
        PresentInfo with the following elements and/or attributes:
          @To of type StringLength1to128
          @At of type StringLength1to128
        ReasonForIssuance with the following elements and/or attributes:
          @ReasonForIssuanceGroup attributeGroup
        ValidatingAirline with the following elements and/or attributes:
          @CompanyID_AttributesGroup attributeGroup
        FiledFeeInfo with the following elements and/or attributes:
          @CurrencyAmountGroup attributeGroup
          @BSR_Rate of type xs:decimal
    Commission with the following elements and/or attributes:
      @Type of type OTA_CodeType
      @CurrencyAmountGroup attributeGroup
      @Percent of type Percentage
    FareComponent of type FareComponentType
    CarrierFeeInfo with the following elements and/or attributes:
      PaymentDetail of PaymentDetailType
      CarrierFee with the following elements and/or attributes:
        @Type of type OTA_CodeType
        @Number of type Numeric0to4
        @TariffNumber of type NumericStringLength1to3
        @RuleNumber of type AlphaNumericStringLength1to8
        @RuleCode of type AlphaNumericStringLength1to3
        @CompanyID_AttributesGroup attributeGroup
        @FareClassCode of type StringLength1to8
        @ReportingCode of type AlphaNumericStringLength1
        FeeAmount with the following elements and/or attributes:
          @Type of type AlphaNumericStringLength1to3
          @Amount of type Money
          @ApplicationCode of type ListOfOTA_CodeType
          @OriginDestinationGroup attributeGroup
    ExchResidualFareComponent of type FareComponentType
    OriginalIssueInfo with the following elements and/or attributes:
        @Information of type xs:string
        @TicketDocumentNbr of type StringLength1to16
        @IssuingAgentID of type NumericStringLength1to8
        @DateOfIssue of type xs:date
        @LocationCode of type StringLength1to8
```

ReissuedFlown with the following elements and/or attributes:
    @Number of type Numeric1to4
    @CouponItinerarySeqNbr of type Numeric0to99
    @FareBasicCode of type StringLength1to16
    @TicketDocumentNbr of type StringLength1to16
    @DateOfIssue of type xs:date
    @WaiverCode of type AlphaNumericStringLength1to19
    @TicketDesignatorCode of type StringLength1to16
    FlightSegmentRPH of type RPH_Type
ResponseComment of type FreeTextType
PresentInfo with the following elements and/or attributes:
  @To of type StringLength1to128
  @At of type StringLength1to128
ReasonForIssuance with the following elements and/or attributes:
  @ReasonForIssuanceGroup attributeGroup
ValidatingAirline with the following elements and/or attributes:
  @CompanyID_AttributesGroup attributeGroup
TaxCouponInformation with the following elements and/or attributes:
  @BirthDate of type xs:date
  @JourneyTurnaroundCityCode of type StringLength1to8
  TicketDocument with the following elements and/or attributes:
    @TicketDocumentNbr of type StringLength1to16
    CouponNumber with the following elements and/or attributes:
      @Number of type Numeric1to4
      TaxCouponInfo with the following elements and/or attributes:
        @Cabin of type CabinType
        @AirEquipType of type StringLength3
      Tax of type AirTaxType
      UnticketedPointInfo with the following elements and/or attributes:
        @CityAirportCode of type StringLength1to8
        @ArrivalDate of type DateOrDateTimeType
        @DepartureDate of type DateOrDateTimeType
        @AirEquipType of type StringLength3

ET_FareInfo with the following elements and/or attributes:
    @NetReportingCode of type AlphaNumericStringLength1to3
    @StatisticalCode of type AlphaNumericStringLength1to3
    @TourCode of type StringLength1to16
    @CountryCodeOfIssue of type ISO3166
    Waiver with the following elements and/or attributes:
      @Code of type AlphaNumericStringLength1to19
      @Type of type xs:NMTOKEN with "ExchangeReissued" and "FareComponent" enumerations
    RuleIndicator with the following elements and/or attributes:
      @RuleCode of type NumericStringLength1to3

FareComponentType with the following elements and/or attributes:
    @PriceQuoteDate of type DateOrDateTimeType
    @AccountCode of type StringLength1to32
    @PricingDesignator of type StringLength1to32
    @QuantityGroup attributeGroup
    @ExchangeRate of type xs:decimal
    PriceableUnit with the following elements and/or attributes:
      @Number of type AlphaNumericStringLength1to8
      FareComponentDetail with the following elements and/or attributes:
        @Number of type Numeric0to4
        @TariffNumber of type NumericStringLength1to3
        @RuleNumber of type AlphaNumericStringLength1to8
        CompanyID_AttributesGroup attributeGroup
        @WaiverCode of type AlphaNumericStringLength1to19
        @PassengerTypeCode of type AlphaLength3
        @RuleCode of type AlphaNumericStringLength1to3
        @FareBasisCode of type StringLength1to16
        @AgreementCode of type StringLength1to16
        CouponSequence with the following elements and/or attributes:
          @SequenceNbr of type StringLength1to8
          @CouponItinerarySeqNbr of type Numeric0to99

```
                    @OriginDestinationGroup attributeGroup
                    @StopoverInd of type xs:boolean
                    @CompanyID_AttributesGroup attributeGroup
                    @ResBookDesigCode of type UpperCaseAlphaLength1to2
            ConstructionPrinciple with the following elements and/or attributes:
                    @Code of type AlphaNumericStringLength1to3
                    @OriginDestinationGroup attributeGroup
                    @Amount of type Money
                    @Percent of type Percentage
            BaseAmount with the following elements and/or attributes:
                    @Purpose of type PurposeType
                    @CurrencyAmountGroup attributeGroup
            TicketDesignator with the following elements and/or attributes:
                    @TicketDesignatorCode of type StringLength1to16
                    @TicketDesignatorQualifier of type AlphaNumericStringLength1to3
```

Other Changes:

AirReservationType
- Added element:
EMD_Info of type EMD_Type

AirTaxType
- Added attribute:
@RefundableInd of type xs:boolean

OTA_AirDisplayQueueRS.xsd

Other Changes:

DisplayQueue/AirReservations/AirReservation
- Added new EMD_Info element of type EMD_Type

OTA_CancelRQ.xsd

New complex elements:

OriginAndDestinationSegment with the following elements and/or attributes:
        OriginLocation of type LocationType
        DestinationLocation of type LocationType
        Traveler of type PersonNameType
        Segment with the following elements and/or attributes:
                DepartureStation of type LocationType
                ArrivalStation of type LocationType

OTA_CommonTypes.xsd

New attributeGroup(s):

SeatLocationGroup with elements and/or attributes:
        @DeckLevel of type StringLength1to32
        @DeckNumber of type Numeric1to99
        @RowNumber of type Numeric1to999
        @SeatInRow of type AlphaLength1

<u>New complexType(s):</u>

DonationType with the following elements and/or attributes:
    @Language of type xs:language
    @GDS_ID of type xs:NMTOKEN with "1A", "1G", "1P", "1V", "1W", "WE", "WS", "MF" and "ZZ" enumerations
    @AskForReceiptInd of type xs:boolean
    @CountryCode of type ISO3166
    @StateCode of type StateProvCodeType
    FrontOfficeInfo with the following elements and/or attributes:
        @ProductName of type xs:string
        @ProductVersion of type xs:string
        @OfficeID of type xs:string
        @CorporateID of type xs:string
    CreditCardInfo of type PaymentCardType
    DonorInfo with the following elements and/or attributes:
        Name of type PersonNameType
        ContactInfo of AddressType

<u>Other Changes:</u>

BankAcctType
- Added new @CheckNumber of type StringLength1to32

CommissionType/@StatusType
- Added new "No-show" enumeration

CustomerLoyaltyGroup
- Added new @Password attribute of type StringLength1to32

CustomerType/CustLoyalty
- Added new elements (that were already defined in OTA_LoyaltyCommonTypes/AccountInfoType):
MemberPreferences with the following elements and/or attributes:
    @Awareness of type StringLength1to32
    @PromotionCodeGroup attributeGroup
    @AwardsPreference of type xs:string
    AdditionalReward with the following elements and/or attributes:
        @MemberID of type StringLength1to32
        CompanyName of CompanyNameType
        Name of type PersonNameType
    Offer with the following elements and/or attributes:
        @Type of xs:string
        Communication of elements and/or attributes:
            @DistribType of type OTA_CommonTypes
SecurityInfo with the following elements and/or attributes:
    @UserName of type StringLength1to32
    @Password of type StringLength1to32
    PasswordHint of type xs:string
SubAccountBalance with the following elements and/or attributes:
    @Type of type StringLength1to16
    @Balance of type xs:integer

DeadlineGroup/@OffsetDropTime
- Added new "AfterArrival" enumeration

MonetaryRuleType
- Added new @RateConvertedInd of type xs:boolean
- Added new @DeadlineGroup attributeGroup

OTA_PayloadStdAttributes
- Added new @TargetName attribute of type StringLength1to64
- Changed type of @TransactionIdentifier from StringLength1to32 to xs:string

PersonNameType
- Added new Document element with the following elements and/or attributes:
   @DocID of type StringLength1to32
   @DocType of type OTA_CodeType

SeatRequestAttributes
- Deprecated @DeckNumber, @RowNumber and @SeatInRow attributes
- Added @SeatLocationGroup attributeGroup

Added "use=optional" facet to the following attributes:

CustomerLoyaltyGroup/PrivacyGroup/@MembershipID
CustomerLoyaltyGroup/PrivacyGroup/@ProgramID
CustomerLoyaltyGroup/PrivacyGroup/@RPH
CustomerLoyaltyGroup/PrivacyGroup/@VendorCode
IssuerNameGroup/@BankID
SingleVendorIndGroup/@SingleVendorInd
StateProvType/@StateCode
VoucherGroup/@SeriesCode

OTA_HotelCommonTypes.xsd

Other Changes:

BasicPropertyInfoType/VendorMessages
- Changed maxOccurs from unbounded to 1

OTA_HotelInvBlockNotifRQ.xsd

Other Changes:

InvBlocks/InvBlock
- Added new MarketCode with the following elements and/or attributes:
   @MarketCode of type StringLength1to64
   @MarketCodeName of type StringLength1to64
   @CommissionableIndicator of type xs:boolean

OTA_HotelResRQ.xsd

Other Changes:

OTA_HotelResRQ
- Added new DonationInformation element of type DonationType

OTA_ProfileCreateRQ.xsd

Other Changes:

UniqueID
- Changed maxOccurs from 9 to 99

OTA_ProfileCreateRS.xsd

Other Changes:

UniqueID
- Changed maxOccurs from 5 to 99

OTA_ProfileModifyRQ.xsd

Other Changes:

UniqueID
- Changed maxOccurs from 9 to 99

OTA_ProfileModifyRS.xsd

Other Changes:

UniqueID
- Changed maxOccurs from 9 to 99

OTA_ProfileReadRS.xsd

Other Changes:

UniqueID
- Changed maxOccurs from 9 to 99

OTA_RailAvailRQ.xsd

New complexType(s):

RailAvailQuery of type RailAvailQueryType

Other Changes:

@ResponseType
- Deprecated attribute and added @TransactionType attributeGroup

POS
- Changed minOcc to 1

RailAvailInfo
- Deprecated element

OTA_RailAvailRS.xsd

New complexType(s):

OriginDestinationInformation of type RailOriginDestinationInformationType

Other Changes:

OriginDestinationOptions
- Deprecated container element

OriginDestinationOption
- Deprecated element
Fares
- Deprecated element

OTA_RailBookRQ.xsd

New complexType(s):

Contact of type RailPersonInfoType

TPA_Extensions of TPA_ExtensionsType

Other Changes:

POS
- Changed minOcc to 1

RailBookInfo
- Deprecated OriginDestinationOptions container element
- Renamed OriginDestinationOption element to OriginDestination, changed maxOcc to 9
      Added new OriginLocation of type LocationType
      Added new DestinationLocation of type LocationType
      Changed type of TrainSegment to TrainSegmentSummaryType
- Deprecated OriginDestinationOptions/OriginDestinationOption/TrainSegments container element
- Deprecated TravelerNames container element
- Renamed TravelerName element to Traveler
- Renamed TravelerCount element to TravelerCategory and changed type to TravelerCountType
- Changed type of Fulfillment element to RailPersonInfoType

RailBookInfo/Traveler
- Added new @RPH of type RPH_Type

OTA_RailBookRS.xsd

New complexType(s):

UniqueID of type UniqueID_Type, required

OTA_RailCommonTypes.xsd

New attributeGroup(s):

RailCodeGroup with the following attributes:
  @Code of type CodeOrStringType
  @CodeContext of type StringLength1to32
  @Quantity of type xs:nonNegativeInteger

New complexTypes(s):

AccommodationClass of type [AccommodationClassEnum](#)

AccommodationCategoryBaseType with the following elements and/or attributes:
  Seat of type [SeatAccommodationType](#)
  Berth of type [BerthAccommodationType](#)
  Class of type [AccommodationClass](#)
  Compartment of type CompartmentType

AccommodationCategoryType of type [AccommodationCategoryBaseType](#)

BerthDetailType of type [BerthAccommodationType](#)

BusIdentificationType with the following elements and/or attributes:
  @BusTypeCode of type CodeOrStringType
  BusNumber of type xs:string, required
  NetworkCode of type NetworkCodeType, required

BusInfoType with the following elements and/or attributes:
  @DelayTime of type xs:positiveInteger
  @ScheduleCode of type OTA_CodeType
  Bus of type BusIdentificationType, required
  ValidDate with the following elements and/or attributes:
    @DatePeriodGroup attributeGroup

BusSegmentType with the following elements and/or attributes:
  @DepartureDateTime if type xs:dateTime
  @ArrivalDateTime of type xs:dateTime
  @StopQuantity of type xs:nonNegativeInteger
  @JourneyDuration of type xs:duration
  @CrossBorderInd of type xs:boolean
  DepartureStation of type StationDetailsType, required
  ArrivalStation of type StationDetailsType, required
  MarketingCompany of type CompanyNameType, required
  OperatingCompany of type CompanyNameType
  Equipment with the following elements and/or attributes:
    RailCodeGroup attributeGroup
  BusInfo of type BusInfoType

ClassCodeType with the following elements and/or attributes:
  RailCodeGroup attributeGroup

CompartmentType of type CompartmentTypeEnum

FareSummaryType with the following elements and/or attributes:
  TotalFare with the following elements and/or attributes:
    CurrencyAmountGroup attributeGroup
  Discount with the following elements and/or attributes:
    DiscountInfoGroup attributeGroup

NetworkCodeType with the following elements and/or attributes:
  @Code of type StringLength1to16
  @CodeContext of type StringLength1to32

OriginDestinationSummaryType with the following elements and/or attributes:
　　　OriginLocation of type LocationType, required
　　　DestinationLocation of type LocationType, required
　　　DepartureDateTime of type xs:dateTime
　　　ArrivalDateTime of type xs:dateTime
　　　TrainInfo of TrainInfoType

RailAccommDetailType with the following elements and/or attributes:
　　　@Deck of type DeckType
　　　Seat of SeatDetailType, required
　　　Berth of BerthDetailType, required
　　　Class of type AccommodationClass
　　　Compartment of type CompartmentType
　　　Car with the following elements and/or attributes:
　　　　　　@Number of type AlphaNumericStringLength1to14

RailAvailQueryType with the following elements and/or attributes:
　　　AvailBaseQueryCriteria of type RailAvailScheduleQueryType
　　　PassengerType with the following elements and/or attributes:
　　　　　　TravelerCountGroup attributeGroup
　　　ReturnInfo of type TravelDateTimeType
　　　RailPrefs of type RailAvailPrefsType

RailAvailScheduleQueryType with the following elements and/or attributes:
　　　@MaxConnections of type xs:nonNegativeInteger
　　　@TrainTypeCode of type OTA_CodeType
　　　OriginDestinationInformation of type RailOriginDestinationInformationType, required
　　　RailSearchCriteria of type TrainQueryType

RailConnectionType with the following elements and/or attributes:
　　　ConnectionLocation of LocationType, required

RailOriginDestinationInformationType of type TravelDateTimeType extended with the following elements and/or attributes:
　　　OriginLocation of type LocationType, required
　　　DestinationLocation of type LocationType, required
　　　ConnectionLocations of type RailConnectionType

RailPersonInfoType with the following elements and/or attributes:
　　　PersonName of type PersonNameType, required
　　　Telephone with the following elements and/or attributes:
　　　　　　@TelephoneInfoGroup attributeGroup
　　　　　　@Operation of type ActionType
　　　　　　@LocationCode of type StringLength1to8
　　　Email of type EmailType
　　　Address of type AddressType

SeatDetailType with the following elements and/or attributes:
　　　@Number of type AlphaNumericStringLength1to14
　　　@Position of type SeatPositionType
　　　@Direction of type SeatDirectionType

SeatIdentificationType with the following elements and/or attributes:
　　　@CarNumber of type xs:positiveInteger, required
　　　@SeatNumber of type xs:positiveInteger, required
　　　@Deck of type DeckType

TrainIdentificationType with the following elements and/or attributes:
　　　TrainNumber of type TrainNumberType, required
　　　NetworkCode of type NetworkCodeType, required

TrainInfoType with the following elements and/or attributes:
　　　@DelayTime of type xs:positiveInteger
　　　@ScheduleCode of type OTA_CodeType
　　　Train of type TrainIdentificationType, required
　　　ValidDate with the following elements and/or attributes:

@DatePeriodGroup attributeGroup

TrainQueryType with the following elements and/or attributes:
Train of type TrainIdentificationType
NetworkCode of type NetworkCodeType

TrainSegmentSummaryType with the following elements and/or attributes:
DepartureStation of type StationDetailsType, required
ArrivalStation of type StationDetailsType, required
DepartureDateTime of type xs:dateTime, required
ArrivalDateTime of type xs:dateTime, required
TrainIdentification of type TrainIdentificationType, required

TravelerCountType with the following elements and/or attributes:
@TravelerCountGroup attributeGroup
@RPH of RPH_Type
Traveler of type PersonNameType

New simpleTypes(s):

AccommodationClassEnum of type xs:string with enumerations:
FirstClass, SecondClass, Premium, Business, Leisure, Coach, Deluxe, GranClass, SoftClass, HardClass, SpecialClass, HighGradeSoftClass, MixedHardClass, MixedSoftClass, SoftCompartmentClass, HardCompartmentClass, Other_

BerthAccommodationType of type xs:NMTOKEN with enumerations:
NotSignificant, Berth, Couchette, Sleeper

BerthPositionType of type xs:string with enumerations:
Upper, Middle, Lower

CodeOrStringType of type union of OTA_CodeType and StringLength1to8

CompartmentPositionType of type xs:string with enumerations:
CloseToRestaurantCar, CloseToExit, CloseToToilet, MiddleOfCar

CompartmentTypeEnum of type xs:string with enumerations:
NotSignificant, Family, Quiet, Conference, CompartmentWithoutAnimals, Complete, Video, Pram, WomanAndChild, EasyAccess, T2, T3, T4, T6, C2, C4, C5, C6, Single, Double, SingleSuite, DoubleSuite, Special, Other_

DeckType of type xs:NMTOKEN with enumerations:
Regular-OneLevelOnly, LowerLevel, UpperLevel

SeatAccommodationType of type xs:NMTOKEN with enumerations:
NotSignificant, Seat, Sleeperette, NoSeat

SeatPositionType of type xs:string with enumerations:
None, Together, Aisle, Center, Window, Specific, Exit, Table, AdjacentAisle, Individual, Middle

TrainNumberType of type xs:string

Other Changes:

@ClassCodeGroup attributeGroup
- Changed @ClassCode type from StringLength1to8 to CodeOrStringType

@TransactionType attributeGroup
- Changed @ ResponseType from xs:string to xs:NMTOKEN with the following enumerations:
AvailabilityWithFares, AvailabilityOnly

BookedTrainSegmentType
- Deprecated attributes: @TrainNumber, @SmokingAllowed, @TrainServiceType, @SeatAssignable
- Renamed @CrossBorder to @CrossBorderInd
- Retyped Equipment to ClassCodeType
- Retyped ClassCode to ClassCodeType and changed minOcc to 0
- Deprecated Compartments element
- Renamed SeatAssignments element to Assignment; changed type to RailAccommDetailType; changed minOcc to 0

RailAmenityType/RailAmenity
- Changed CodeListGroup attributeGroup to RailCodeGroup attributeGroup

RailAvailPrefsType
- TransportModes element - changed CodeListGroup attributeGroup to RailCodeGroup attributeGroup
- Added new DiscountType element with the following elements and/or attributes:
        @CodeListGroup attributeGroup
- Added new ClassCodes element of type ClassCodeType
- Added new Accommodation element of type AccommodationCategoryType

RailReservationListType
- Deprecated this element

RailReservationSummaryType
- Changed element to include the following elements and/or attributes:
        @BookingReferenceID of type xs:string
        @DateBooked of type xs:dateTime
        @Status of type TransactionStatusType
        ODInfo, required, with the following elements and/or attributes:
                OriginLocation of type LocationType, required
                DestinationLocation of type LocationType, required
                TrainSegment, required, with the following elements and/or attributes:
                        DepartureStation of type LocationType, required
                        ArrivalStation of type LocationType, required
                        DepartureDateTime of type xs:dateTime, required
                        ArrivalDateTime of type xs:dateTime, required
                        TrainIdentification of type TrainIdentificationType, required
        Traveler of type PersonNameType, required
        TravelerCategory of type TravelerCountType, required
        TPA_Extensions of TPA_ExtentionsType

RailReservationType
- Changed name of BookingID element to UniqueID
- Removed OriginandDestinations container element
- Removed OriginandDestinations/OriginandDestination/TrainSegments container element
- Removed TravelerNames container element
- Renamed TravelerName element to Traveler and retyped as PersonNameType
- Renamed TravelerCount element to TravelerCategory and typed as TravelerCountType
- Typed Fulfillment as RailPersonInfoType

StationType
- Renamed @Staffed to @IsStaffedInd
- Renamed @TicketPrinter to @TicketPrinterInd
- Renamed @SST_Machine to @SST_MachineInd
- Deprecated @USTimeZone
- Added new @TimeZoneOffset of type UTC_TimeZoneOffset

TrainEquipmentType
- Deprecated this element

TrainSegmentType
- Added new TrainInfo element of type TrainInfoType
- Deprecated @TrainNumber
- Renamed @CrossBorder to @CrossBorderInd
- Deprecated @SmokingIndicatorGroup
- Deprecated @TrainServiceType
- Deprecated @SeatAssignable
- Changed Equipment type to ClassCodeType

OTA_RailRetrieveRS.xsd

Other Changes:

RailReservation
- Changed maxOcc to unbounded

OTA_ResRetrieveRS.xsd

Other Changes:

ReservationsList
- Added new RailReservation element of type RailReservationSummaryType

OTA_SimpleTypes.xsd

Other Changes:

CabinType
- Added new enumerations: "Suite", "Premium Business" and "Premium Economy"

OTA_VehicleCommonTypes.xsd

New complexTypes(s):

NoShowFeeType with the following elements and/or attributes:
    Deadline with the following elements and/or attributes:
        @DeadlineGroup attributeGroup
    GracePeriod with the following elements and/or attributes:
        @DeadlineGroup attributeGroup
    FeeAmount with the following elements and/or attributes:
        @CurrencyAmountGroup attributeGroup
        @RateConvertedInd of type xs:boolean
        @GuaranteeReqInd of type xs:boolean
        @EmailReqInd of type xs:boolean
    Description of type FormattedTextTextType

Other Changes:

VehicleRentalRateType
- Added new NoShowFeeInfo element of type NoShowFeeType

VehicleRentalRateType/RateRestrictions
- Added new @NoShowFeeInd of type xs:boolean
- Added new @MaximumAge of type Numeric1to99

VehicleType
- Added new @Description of type ShortDescriptionType

OTA_VehRateRuleRS.xsd

Other Changes:

RateRules
- Added new NoShowFeeInfo element of type NoShowFeeType

OTA_VehResRQ.xsd

Other Changes:

OTA_VehResRQ
- Added new complex element DonationInformation of type DonationType

OpenTravel Resources

The OpenTravel Forum

http://www.OpenTravelForum.com

OpenTravel has an extensive discussion Forum to provide an implementation resource for users of its schema, called *the OpenTravel Forum*, which has all the functionality members expect from a full-featured discussion board, with forums for:

- Architecture
- Hospitality
- Transport
- Travel Services
- Tours and Activities
- Implementers Discussion

Members can post a question and get an answer from a moderator. Also included are OpenTravel documentation, mailing list subscription, events and announcements, and feedback boards, as well as the OpenTravel Showcase where companies that provide tools, services or technologies to assist in the implementation of OpenTravel schemas can post about their offerings.

OpenTravel Data Dictionaries

OpenTravel is pleased to announce new schema data dictionaries, which provide accurate and up to date structured references of OpenTravel schema. Data dictionary documentation is provided for all aspects of each schema file, including Elements, Simple Types, Complex Types, Groups, Attributes, Attribute Groups, Constraints and Facets. Additional documentation includes overview tables that illustrate child structures below elements, complex types and attribute groups and documentation of Global Attributes, Groups, key, keyref and unique constraints. A list of currently available OpenTravel Data Dictionaries may be found on the OpenTravel Data Dictionaries page on the OpenTravel wiki.

OpenTravel Message Users Guide

The OpenTravel Message Users Guide (MUG) is included in the specification download. The MUG can be used as a reference for all cycles of an OpenTravel-enabled system implementation, from design to system testing. In addition to message descriptions, the MUG provides:

- A point-and-click index of business functionality and use cases for each message, allowing an implementer to quickly identify the OpenTravel messages that suit their own and their trading partner business requirements,
- Links to each message (summarized) data dictionary that allow implementers to see the names and descriptions of each element and attribute in a message and the enumeration values where applicable,
- Extended message scenario use cases that help implementers understand the range of business scenarios that can be accomplished per message,
- An "Introduction and Getting Started" section that includes links to OpenTravel implementer/member resources, OpenTravel schema architecture basics, and links to all third party standards referenced in OpenTravel messages to help implementers understand the relationships between OpenTravel messages and other third party standards, and,
- Point-and-click access to online message sample use case instances that allow an implementer to access only the sample instances they require (note that these schemas were not intended for production use by implementers, but rather for human reference.)

OpenTravel Message Codes List Table

The OpenTravel Codes List spreadsheet, included with the specification download, includes an alphabetized, point and click list of all OpenTravel Code List names and 3 character abbreviations to help implementers quickly find code list values.

Introduction to OpenTravel Webinar

If you are new to the OpenTravel specification, an Introduction to OpenTravel webinar is available at no cost. Please visit the OpenTravel website for a webinar schedule and instructions on how to sign up.

Other Notices

OpenTravel Brand Category Code (BCC) Code List has been deprecated

The OpenTravel Brand Category Code (BCC) that was marked for deletion has been deprecated from the OpenTravel Code List. The OpenTravel Segment Category Code (SEG) table should be used instead.

FastRez Schema and WSDL Included in 2010B Specification

FastRez is a tightly defined specification for the hotel industry, covering a set of common business functions for electronic distribution. FastRez provides an alternative for emerging or smaller companies who need a quick and easy solution for distributing their travel and traveler information, but may also be useful for larger companies who would like to reduce the cost of connecting with multiple smaller partners. Implementing FastRez in the manner in which it was designed allows a company to seamlessly interoperate with anyone else who also implements the specification.

FastRez includes messages to handle the availability, reservation booking, reservation retrieval, and reservation cancellation functions for hotel properties. Each schema is a smaller, more defined version of the OpenTravel message. The significant reduction in the size of the schemas makes the messages easier and quicker to implement. The schemas are also more restrictive making them much more useful for validation.