



November 2014

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2014B XML Message Suite

# Schema Publication Release Notes

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# About the OpenTravel Alliance

*OpenTravel provides the preferred open source XML standard for the travel and leisure industry.*

The OpenTravel specification is used worldwide by travel industry suppliers, resellers, global distributors and integrators to meet customer and trading partner XML distribution demands.

As a travel industry specific (and membership-based) organization, our schema products are built by and for travel companies. The OpenTravel Specification is made publicly available for download (at no charge) typically twice a year.

By using OpenTravel schema in their message frameworks, implementers benefit from a consistent data exchange through the use of a standard communication method implemented by thousands of companies in the worldwide travel industry.

Our schema products cover numerous travel industry segments, including Air, Car, Hotel, Vacation Rental, Golf, Travel Insurance, Rail, Ground Transportation, Day Tours & Activities, Packaged Tours and Dynamic Packages. They are well suited for reservation systems, branded websites and other such information exchanges between trading partners.

The maturity of OpenTravel products—in combination with our specification adoption rate—provide OpenTravel implementers with an “interoperability” head start that allows them to transact with a broad base of trading partners while decreasing IT integration timeframes and cost.

## Key Facts...

### Company

- Membership funded, not for profit organization
- Founded in 1999

### Specification

- Open source
- Free for all implementers
- OpenTravel 1.0 XML Message Suite



**For more information on OpenTravel membership, please visit our website at <http://opentravel.org/Join/Default.aspx>**

# Getting Started with the OpenTravel XML Message Suite

To help you prepare to use your OpenTravel schema product, follow these steps:

1. Read this document: You should review these notes for critical information, including new schema messages and changes to 2014B schema.
2. Refer to the *OpenTravel 201B Schema Versioning* artifact (included in the publication download) to see the versions of all OpenTravel XML Message Suite schema, including schema messages that were enhanced as a part of this publication.
3. All actioned 2014B specification (schema) comments and (new) OpenTravel 2014B project team work are included in this 2014B Publication.

## Key OpenTravel Online Implementer & Member Resources

You can find the answers to many of your questions on the OpenTravel Implementers Forum website:

### OpenTravel Implementers Forum

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. Note that priority support is provided to OpenTravel member company participants on the Implementers Forum.

### Specification Comments

All implementers are welcome to submit comments to enhance the OpenTravel specification. Comments may be submitted at: <http://opentravel.org/Specifications/CommentOnSpec.aspx>

There are two types of comments that you can submit:

- Technical—proposes a minor change to one or more elements of an OpenTravel XML schema product, such as an XML message and/or an XML object or object library.
- Artifact—proposes a correction and/or addition to a schema supporting artifact, such as release notes or an OpenTravel Solution Scenario.

## OpenTravel Project Teams & Workgroups

All OpenTravel members are welcome to participate in OpenTravel workgroups, which are neutral environments comprised travel industry experts that meet once per month or as needed to:

- Review and action open specification comments
- Review and accept new and enhanced schema from project teams
- Discuss emerging business requirements and how OpenTravel schema can be enhanced to address them

Each workgroup serves the needs of one or more associated travel industry segments that are supported by the OpenTravel Specification:

- Architecture: Underlying constructs (or architecture) of OpenTravel schema products, design patterns, solution scenarios and implementation best practices
- Hospitality: Hotel, Hostel, Vacation Rental and Cruise
- Transport: Air, Rental Car, Ground Transportation and Rail
- Travel Integration: Tours and Activities, Dynamic Packages, Travel Insurance, Golf and other shared services including Travel Itineraries, Loyalty Programs and Customer Profiles

All OpenTravel members are welcome to propose and join any **project team**. Project teams serve as the primary method for introducing major enhancements into OpenTravel schema products as these teams are formed to address a set of business-specific enhancements for the OpenTravel specification—such as merchandising offers. In addition to OpenTravel schema and XML components, project team work produces a variety of artifacts, including use cases, capability maps, process models, business glossary terms and solution scenarios.

# New Schema

## Hotel

The Product Automation Team created two new OpenTravel 2014B 1.0 XML Schema message pairs. The focus of this project team was to create messaging to handle the creation, modification and deletion of hotel products.

Hotel products are defined as:

- a.) Room Types
- b.) Rate Plans
- c.) The combination of a Room Type and Rate Plan
- d.) Policy Information

The OTA\_HotelProductsRQ/RS message set is a pull message used to request product information for specified criteria. The OTA\_HotelProductNotifRQ/RS message set is a push message used to send product information for specified criteria.

## Enhanced Schema

### Common

- A complex type SocialMediaType was added to OTA\_Common types to specify social media information to be used to communicate with a guest.
- A required attribute Type of type StringLength1to64 was added to SocialMediaType to identify the social media type.
- A required attribute UserName of type StringLength1to64 was added to SocialMediaType to specify the user name for the social media type.
- An optional attribute PreferredContactInd of type xs:boolean was added to SocialMediaType to indicate the preferred method of social media for communication.
- An optional attribute ShareMarketInd of type xs:string with the following enumerations: Yes, No, Inherit was added to SocialMediaType to indicate permission for sharing data for marketing purposes.
- An optional attribute AuthenticationMethod of type xs:string with the following enumerations: SecurityCode, MagneticStripe to OTA\_CommonTypes/PaymentCardType/CardNumber was added to specify the method used to authenticate the card.

## Hotel

- An optional attribute TransportationCode of type OTA\_CodeType was added to OTA\_HotelReservation/TransportationInfoType to allow for the indication of the mode of transportation.

- An optional attribute Description of type StringLength1to64 was added to OTA\_HotelReservation/TransportationInfoType to allow for descriptive information regarding the mode of transportation.
- An optional attribute NotificationRequired of type StringLength1to64 was added to OTA\_HotelReservation/TransportationInfoType to allow for the indication of notification being required for the mode of transportation.
- An optional attribute TransportationID of type StringLength1to32 was added to OTA\_HotelReservation/TransportationInfoType to allow for the specification of a unique ID for the transportation mode.
- Typed  
OTA\_HotelProductNotifRQ/HotelProducts/HotelProduct/ValueAddInclusions/HotelAmenity/@HotelAmenityCode of type OTA\_CodeType as the attribute was not typed.
- Typed  
OTA\_HotelProductNotifRQ/HotelProducts/HotelProduct/ValueAddInclusions/MealPlan/@MealPlanCode of type OTA\_CodeType as the attribute was not typed.
- Changed the minimum number of occurrences of  
OTA\_HotelProductNotifRQ/HotelProducts/HotelProduct/BookingRules/BookingRule to be 1.
- Add an element TPA\_Extensions of type TPA\_ExtensionsType to  
OTA\_HotelProductNotifRQ/HotelProducts/HotelProduct.
- Changed the minimum number of occurrences of  
OTA\_HotelProductNotifRQ/HotelProducts/HotelProduct/HotelRefs/HotelRef to be 1.
- Changed  
OTA\_HotelProductNotifRQ/HotelProducts/HotelProduct/ValueAddInclusions/RoomUseExtension/@CheckInTime and @CheckOutTime from type TimeOrDateTimeType to xs:time to simply support a time rather than a date and time.
- Updated the annotation of OTA\_HotelProduct/HotelProducts/HotelProduct/UniqueID to make it accurate.
- Added a new attribute  
OTA\_HotelProductNotifRQ/HotelProducts/HotelProduct/RatePlans/RatePlan/@PaymentCollection of type xs:string with the following enumerations: Hotel, TravelAgency, and HotelOrAgency.
- Created a new common file called OTA\_HotelProduct with a complex type called HotelProductType and move structure from OTA\_HotelProductRS to the common type. Type  
OTA\_HotelProductsRS/HotelProducts/HotelProduct of type OTA\_HotelProductType.  
OTA\_HotelProductsNotifRQ/HotelProducts/HotelProduct of type OTA\_HotelProductType and extend with the attribute ProductNotifType as already existed in the message.
- Add a new optional attribute  
OTA\_HotelProduct/HotelProducts/HotelProduct/RoomTypes/RoomType/@MaxInfantOccupancy of type xs:nonNegativeInteger.
- Changed the OTA\_HotelProduct/HotelProducts/HotelProduct from 0..unbounded to 1..unbounded making the element required.

- Added a new optional attribute  
OTA\_HotelProductRQ/HotelProducts/HotelProduct/RoomTypes/@ContentLevel with the following enumerations: FullDetails, ReferenceOnly.
- Added a new optional attribute  
OTA\_HotelProductRQ/HotelProducts/HotelProduct/RatePlans/@ContentLevel with the following enumerations: FullDetails, ReferenceOnly.
- Deleted an optional attribute  
OTA\_HotelProductRQ/HotelProducts/HotelProduct/PolicyInfo/@SendAllInd
- Renamed the enumerations on  
OTA\_HotelProductRQ/HotelProducts/HotelProduct/PolicyInfo/@SendCancelPolicy to FullDetails, ReferenceOnly.
- Renamed the enumerations on  
OTA\_HotelProductRQ/HotelProducts/HotelProduct/PolicyInfo/@SendGuaranteePayment to FullDetails, ReferenceOnly.

## Rail

- An optional element SeatAvailabilityDetail, 0..1 occurrences was added to  
OTA\_RailCommonTypes/AccommodationType to provide details on the seat map.
- An optional element Car 0..unbounded occurrences was added to  
OTA\_RailCommonTypes/AccommodationType/SeatAvailabilityDetail to allow for the inclusion of train car details.
- A required attribute Number of type AlphaNumericStringLength1to14 was added to  
OTA\_RailCommonTypes/AccommodationType/SeatAvailabilityDetail/Car to specify the car number.
- An optional element TPA\_Extensions of type TPA\_ExtensionsType 0..1 occurrences was added to  
OTA\_RailCommonTypes/AccommodationType/SeatAvailabilityDetail/Car to allow for additional elements and attributes to be included per Trading Partner Agreement (TPA).
- A required element Compartment 1..unbounded occurrences was added to SeatAvailabilityDetail/Car
- A required attribute Number of type AlphaNumericStringLength1to14 was added to  
SeatAvailabilityDetail/Car to allow for the specification of the compartment number.
- An optional attribute Position of type CompartmentPositionType was added to allow for the specification of the position of the compartment such as close to restaurant car.
- A required element Seat 1..unbounded occurrences was added to  
OTA\_RailCommonTypes/SeatAvailabilityDetail/Car/Compartment to allow for the identification of seats in a compartment.
- A required attribute Number of type AlphaNumericStringLength1to14 was added to  
OTA\_RailCommonTypes/SeatAvailabilityDetail/Car/Compartment/Seat to allow for the inclusion of the seat number.



- An optional attribute Position of type SeatPositionType was added to OTA\_RailCommonTypes/SeatAvailabilityDetail/Car/Compartment/Seat to allow for the seat position to be identified.
- An optional attribute Direction of type SeatDirectionType was added to OTA\_RailCommonTypes/SeatAvailabilityDetail/Car/Compartment/Seat to allow for the seat direction to be identified.
- A required attribute AvailableInd of type xs:boolean was added to OTA\_RailCommonTypes/SeatAvailabilityDetail/Car/Compartment/Seat to identify whether or not the seat is available.
- An optional element TPA\_Extensions of type TPA\_ExtensionsType 0..1 occurrences was added to OTA\_RailCommonTypes/SeatAvailabilityDetail/Car/Compartment/Seat to allow for additional elements and attributes to be included per Trading Partner Agreement (TPA).
- An optional element TPA\_Extensions of type TPA\_ExtensionsType 0..1 occurrences was added to OTA\_RailCommonTypes/SeatAvailabilityDetail/Car/Compartment to allow for additional elements and attributes to be included per Trading Partner Agreement (TPA).
- An optional element BerthAvailabilityDetail, 0..1 occurrences was added to OTA\_RailCommonTypes/AccommodationType to allow for the inclusion of berth map details.
- An optional element Car 0..unbounded occurrences was added to OTA\_RailCommonTypes/AccommodationType/BerthAvailabilityDetail to allow for the inclusion of berth details.
- A required attribute Number of type AlphaNumericStringLength1to14 was added to OTA\_RailCommonTypes/AccommodationType/BerthAvailabilityDetail/Car to specify the berth number.
- An optional element TPA\_Extensions of type TPA\_ExtensionsType 0..1 occurrences was added to OTA\_RailCommonTypes/AccommodationType/BerthAvailabilityDetail/Car to allow for additional elements and attributes to be included per Trading Partner Agreement (TPA).
- A required element Compartment 0..unbounded occurrences was added to OTA\_RailCommonTypes/AccommodationType/BerthAvailabilityDetail/Car to allow for inclusion of Compartment details.
- A required attribute Number of type AlphaNumericStringLength1to14 was added to OTA\_RailCommonTypes/AccommodationType/BerthAvailabilityDetail/Car/Compartment to allow for the inclusion of the compartment number.
- An optional attribute Position of type CompartmentPositionType was added to OTA\_RailCommonTypes/AccommodationType/BerthAvailabilityDetail/Car/Compartment to allow for the inclusion of the compartment position.
- A required element Berth 0..unbounded occurrences was added to OTA\_RailCommonTypes/AccommodationType/BerthAvailabilityDetail/Car/Compartment to allow for inclusion of berth information.

- A required attribute Number of type AlphaNumericStringLength1to14 was added to OTA\_RailCommonTypes/AccommodationType/BerthAvailabilityDetail/Car/Compartment/Berth to allow for the inclusion of the berth number.
- An optional attribute Position of type BerthPositionType was added to OTA\_RailCommonTypes/AccommodationType/BerthAvailabilityDetail/Car/Compartment/Berth to allow for the inclusion of the berth number.
- A required attribute AvailableInd of type xs:boolean was added to OTA\_RailCommonTypes/AccommodationType/BerthAvailabilityDetail/Car/Compartment/Berth to identify whether or not the berth is available.
- An optional element TPA\_Extensions of type TPA\_ExtensionsType 0..1 occurrences was added to OTA\_RailCommonTypes/AccommodationType/BerthAvailabilityDetail/Car/Compartment/Berth to allow for additional elements and attributes to be included per Trading Partner Agreement (TPA).
- An optional element TPA\_Extensions of type TPA\_ExtensionsType 0..1 occurrences to OTA\_RailCommonTypes/AccommodationType/BerthAvailabilityDetail/Car/Compartment to allow for additional elements and attributes to be included per Trading Partner Agreement (TPA).

## Air

- An optional attribute AwardOnlyFaresInd of type xs:boolean was added to OTA\_AirPreferences/AirSearchPrefsType/VendorPref to allow for indication that only award fares should be returned.

## Cruise

- An optional attribute PassengerType of type OTA\_CodeType was added to OTA\_CruiseCommonTypes/SearchQualifierType to identify a category for the guest.
- An optional attribute CruiseTheme of type StringLength1to32 was added to OTA\_CruiseCommonTypes/SearchQualifierType to allow for the indication of a theme type for the cruise.
- An optional attribute FlightIncludedInd of type xs:boolean was added to OTA\_CruiseCommonTypes/SearchQualifierType to indicate that only cruise options that include air fare should be returned.
- An optional attribute PromotionCode of type xs:StringLength1to32 was added to OTA\_CruiseCommonTypes/SearchQualifierType to specify a specific promotion or advertising campaign.
- An optional attribute ShareCabinGender of type xs:string with the following enumerations: Female, Male, MaleAndFemale, NoPreference to OTA\_CruiseCommonTypes/SearchQualifierType was added to indicate gender preference for the cabin.

- An optional attribute ShareCabinGender of type xs:string with the following enumerations: Female, Male, MaleAndFemale, NoPreference to OTA\_CruiseCommonTypes/CabinOptionType was added to indicate gender preference for the cabin.
- An optional attribute ConfirmedOccupancy of type of type xs:NonNegativeInteger was added to OTA\_CruiseCommonTypes/CabinOptionType to specify the number of occupants currently assigned to a cabin.