Interface Description

ServiceTd_REST

Revision date: 23.04.2024

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Contents

Module Details

1. TyresController

ObjectModel

1. AllTyresForTypeHtmlMsg
2. AllTyresForTypeMsg
3. TdTyre
4. TdTyreType
5. TyresMsg
6. TyreTypesHtmlMsg
7. TyreTypesMsg
8. VehicleHasTyresMsg

Module Details

1. TyresController

1.1. Sequence Of Calls

First of all, check if your vehicle has tyre data using VehicleHasTyres . To get a listing of available ABEs, KBAs and VSNs for your type id, call TyreTypes . To get information for a special ABE, call Tyres . Call method AllTyresForType when a list of all tyre which are available for the vehicle is needed. The HTML version of the list of all tyres can be fetched by calling the web service method AllTyresForTypeHtml .

1.2. Summary

Area RestRMI.Areas.Td.Controllers.TyresController provides the web service methods for the part tyre data. Here the approved wheels and tire combinations on the selected vehicle are shown.

1.3. Detailed Module Documentation

1.3.1. Properties

- **HttpActionContext ActionContext**
  No description available
- **HttpConfiguration Configuration**
  No description available
- **HttpControllerContext ControllerContext**
  No description available
- **string Ip**
  Gets the IP.
- **ModelStateDictionary ModelState**
  No description available
- **HttpRequestMessage Request**
  No description available
- **HttpRequestContext RequestContext**
  No description available
- **UrlHelper Url**
  No description available
- **IPrincipal User**
  No description available

1.3.2. Methods

- **bool VehicleHasTyres(VehicleHasTyresMsg input)**
  Checks whether the vehicle has tyre data.

Parameter

input - Instance of the message class VehicleHasTyresMsg

Returns

true - if tyre data exists; otherwise false.

- **IEnumerable<TdTyre> AllTyresForType(AllTyresForTypeMsg input)**

Gets all the tyres for the selected typeId.

Parameter

input - Instance of the message class AllTyresForTypeMsg

Returns

All the tyres.

- **IEnumerable<TdTyreType> TyreTypes(TyreTypesMsg input)**

Retrieves all tyre types available with all known tyre types and corresponding ABE (general operating licence), KBA (german federal motor transport authority) or VSN (part of the kba number) for the given TecRMI vehicle type id.

Parameter

input - Instance of the message class TyreTypesMsg

Returns

A collection of the tyre types.

- **IEnumerable<TdTyre> Tyres(TyresMsg input)**

Retrieves all tyre data available for a given tyre type id to generate a tyre data sheet.

Parameter

input - Instance of the message class TyresMsg.

Returns

The available tyre data.

- **string AllTyresForTypeHtml(AllTyresForTypeHtmlMsg input)**

Gets all the tyres for the selected typeId as a HTML-string.

Parameter

input - Instance of the message class AllTyresForTypeHtmlMsg

Returns

A HTML-string.

- **string TyreTypesHtml(TyreTypesHtmlMsg input)**

  Retrieves all tyre data available for a given tyre type id and generate a HTML string.

  Parameter

  input - Instance of the message class TyreTypesHtmlMsg

  Returns

  A HTML-string.

Object Model

1. AllTyresForTypeHtmlMsg

1.1. Summary

Class RestRMI.Areas.Td.Models.AllTyresForTypeHtmlMsg contains the properties which are necessary to call web service methods AllTyresForTypeHtml(AllTyresForTypeHtmlMsg).

1.2. Detailed Module Documentation

1.2.1. Properties

- **string ConsumerId**

  Unique identifier for end user which receive the called data.

  Property-Value

  Unique end user identifier.

- **string CountryCode**

  Gets or sets the 2-letter international country code as defined by ISO 3166-1.

  Property-Value

  The ISO country code.

- **string LanguageCode**

  Gets or sets the 2-letter international language code as defined by ISO 639-1.

  Property-Value

  The ISO language code.

- **int TypeId**

  Gets or sets the TecRMI type id which identifies a vehicle unique.

  The id can be fetched by using the ServiceVt web service.

  Property-Value

  The TecRMI type id.

2. AllTyresForTypeMsg

2.1. Summary

Class RestRMI.Areas.Td.Models.AllTyresForTypeMsg contains the properties which are necessary to call web service methods AllTyresForType(AllTyresForTypeMsg).

2.2. Detailed Module Documentation

2.2.1. Properties

- **string ConsumerId**

  Unique identifier for end user which receive the called data.

  Property-Value

  Unique end user identifier.

- **string CountryCode**

  Gets or sets the 2-letter international country code as defined by ISO 3166-1.

  Property-Value

  The ISO country code.

- **string LanguageCode**

  Gets or sets the 2-letter international language code as defined by ISO 639-1.

  Property-Value

  The ISO language code.

- **int TypeId**

  Gets or sets the TecRMI type id which identifies a vehicle unique.

  The id can be fetched by using the ServiceVt web service.

  Property-Value

  The TecRMI type id.

3. TdTyre

3.1. Summary

Represents a tyre for the tyre data part of the AuDaLib.

3.2. Detailed Module Documentation

3.2.1. Properties

- **string ApplicationText**

  Gets or sets the application text.

  Property-Value

  The application text.

- **string FrontRimSize**

  Gets or sets the size of the front rim.

  Property-Value

  The size of the front rim.

- **string FrontTyreSize**

  Gets or sets the size of the front tyre.

Property-Value

The size of the front tyre.

- **bool HsnTsnVsnSelectionRequired**

  Gets or sets a value indicating whether the user has to select a HSN/TSN/VSN combination.

  Remarks

  The combination of HSN/TSN/VSN identifies a specific vehicle. The particular constituents are: HSNManufacturer key number (german: Herstellerschlüsselnummer) is a four digit code which identifies a manufacturer of a vehicle.TSNType key number (german: Typschlüsselnummer) is a three digit code which identifies the range of a vehicle.VSNVersion key number (german: Versionsschlüsselnummer) is a five digit code which identifies the version or the variant of a vehicle type.

  Property-Value

  true if this tyre requires an HSN/TSN/VSN selection; otherwise, false.

- **string InfoText**

  Gets or sets the info text.

  Property-Value

  The info text.

- **string RearRimSize**

  Gets or sets the size of the rear rim.

  Property-Value

  The size of the rear rim.

- **string RearTyreSize**

  Gets or sets the size of the rear tyre.

  Property-Value

  The size of the rear tyre.

4. TdTyreType

4.1. Summary

Represents a tyre type for TD.

4.2. Detailed Module Documentation

4.2.1. Properties

- **string Abe**

  Gets or sets the general operating permit (german: Allgemeine Betriebserlaubnis).

  Property-Value

  The general operating permit (german: Allgemeine Betriebserlaubnis).

- **string HsnTsn**

  Gets or sets the HSN (manufacturer key number [german: Herstellerschlüsselnummer]) / TSN (type key number [german: Typschlüsselnummer]).

  Property-Value

  The HSN (manufacturer key number) / TSN (type key number).

- **int TypeTypeId**

  Gets or sets the tyre type id.

  Property-Value

  The tyre type id.

- **string Vsn**

  Gets or sets the VSN (version key number [german: Variantenschlüsselnummer]).

  Property-Value

  The VSN (version key number [german: Variantenschlüsselnummer]).

4.2.2. Methods

- **int CompareTo(TdTyreType other)**

  Compares the current instance with another object of the same type and returns an integer that indicates whether the current instance precedes, follows, or occurs in the same position in the sort order as the other object.

  Parameter

  other - An object to compare with this instance.

  Returns

  A value that indicates the relative order of the objects being compared. The return value has these meanings: Less than zero This instance precedes in the sort order. Zero This instance occurs in the same position in the sort order as . Greater than zero This instance follows in the sort order.

5. TyresMsg

5.1. Summary

Class RestRMI.Areas.Td.Models.TyresMsg contains the properties which are necessary to call web service methods Tyres(TyresMsg).

5.2. Detailed Module Documentation

5.2.1. Properties

- **string ConsumerId**

Unique identifier for end user which receive the called data.

Property-Value

Unique end user identifier.

- **string CountryCode**

  Gets or sets the 2-letter international country code as defined by ISO 3166-1.

  Property-Value

  The ISO country code.

- **string LanguageCode**

  Gets or sets the 2-letter international language code as defined by ISO 639-1.

  Property-Value

  The ISO language code.

- **int TyreTypeId**

  Gets or sets the id of the tyre whose data should be called. This id can be fetched by calling the web service method TyreTypes(TyreTypesMsg)

  Property-Value

  The tyre type id.

6. TyreTypesHtmlMsg

6.1. Summary

Class RestRMI.Areas.Td.Models.TyreTypesHtmlMsg contains the properties which are necessary to call web service methods TyreTypesHtml(TyreTypesHtmlMsg)

6.2. Detailed Module Documentation

6.2.1. Properties

- **string ConsumerId**

  Unique identifier for end user which receive the called data.

  Property-Value

  Unique end user identifier.

- **string CountryCode**

  Gets or sets the 2-letter international country code as defined by ISO 3166-1.

  Property-Value

  The ISO country code.

- **string LanguageCode**

  Gets or sets the 2-letter international language code as defined by ISO 639-1.

Property-Value

The ISO language code.

- **int TypeId**

Gets or sets the TecRMI type id which identifies a vehicle unique.

The id can be fetched by using the ServiceVt web service.

Property-Value

The TecRMI type id.

- **int TyreTypeId**

Gets or sets the id of the tyre whose data should be called. This id can be fetched by calling the web service method TyreTypes(GetTdTyreTypesMsg).

Property-Value

The tyre type id.

7. TyreTypesMsg

7.1. Summary

Class RestRMI.Areas.Td.Models.TyreTypesMsg contains the properties which are necessary to call web service methods TyreTypes(TyreTypesMsg).

7.2. Detailed Module Documentation

7.2.1. Properties

- **string CountryCode**

Gets or sets the 2-letter international country code as defined by ISO 3166-1.

Property-Value

The ISO country code.

- **string LanguageCode**

Gets or sets the 2-letter international language code as defined by ISO 639-1.

Property-Value

The ISO language code.

- **int TypeId**

Gets or sets the TecRMI type id which identifies a vehicle unique.

The id can be fetched by using the ServiceVt web service.

Property-Value

The TecRMI type id.

8. VehicleHasTyresMsg

8.1. Summary

Class RestRMI.Areas.Td.Models.VehicleHasTyresMsg contains the properties which are necessary to call the web service module check methods.

8.2. Detailed Module Documentation

8.2.1. Properties

- **string CountryCode**

  Gets or sets the 2-letter international country code as defined by ISO 3166-1.

  Property-Value

  The ISO country code.

- **int TypeId**

  Gets or sets the TecRMI type id which identifies a vehicle unique.

  The id can be fetched by using the ServiceVt web service.

  Property-Value

  The TecRMI type id.