

Interface Description

ServiceTd_REST



Revision date: 02.04.2025

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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

- **HttpContext ActionContext**
No description available
- **HttpConfiguration Configuration**
No description available
- **HttpContext ControllerContext**
No description available
- **string Ip**
Gets the IP.
- **ModelStateDictionary ModelState**
No description available
- **HttpRequestMessage Request**
No description available
- **HttpContext 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: Versionschlüsselnummer) 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 Typeld

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 TyreTypeld

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 Typeld

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.