Interface Description

ServiceTm_REST

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Contents

Module Details

1. ManualsController

ObjectModel

1. ErrorCodeSearchHtmlMsg
2. ImageMsg
3. ImageNamesForManualsMsg
4. KindOfWorkTimeData
5. LinkedTechnicalManualsForWorkMsg
6. LinkedTechnicalManualsMsg
7. ManualHtmlMsg
8. ManualListMsg
9. TmItemMp
10. TmMainGroup
11. TmManual
12. TmSubGroup
13. VehicleHasManualsMsg

Module Details

1. ManualsController

1.1. Prerequisites

Some of the html documents could contain graphics in the .SVG format. So the system requirements for viewing html documents are: MS Internet Explorer v. 9.0 and higher
Mozilla Firefox 15 and higher

1.2. Sequence Of Calls

First, check if there are any technical manuals available for your car. To do so, call VehicleHasManuals passing it your type id. To get all the information of technical manuals for one vehicle call ManualList , which will provide a list with your requested information. To get a single manual in HTML format, call GetTmManualHtml .

1.3. Summary

Area RestRMI.Areas.Tm.Controllers.ManualsController provides the web service methods for the part technical manuals. Select here Technical Manuals on the selected vehicle by main group, subgroup and manual.

1.4. Detailed Module Documentation

1.4.1. 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

1.4.2. Methods

- **bool VehicleHasManuals(VehicleHasManualsMsg input)**

  Checks whether the vehicle has manual data.

  Parameter

  input - Instance of the message class VehicleHasManualsMsg.

  Returns

  true - if technical manual data exists; otherwise false.

- **IEnumerable<TmMainGroup> ManualList(ManualListMsg input)**

  Delivers a country specific list to generate a manual tree for the typeId in the selected language.

  Parameter

  input - Instance of the message class ManualListMsg.

  Returns

  The topic tree for the part technical manual.

- **TmItemMp LinkedTechnicalManuals(LinkedTechnicalManualsMsg input)**

  The result of an m-link is an item number. This method checks whether none, one or more manuals are available for the given country.

  Parameter

  input - Instance of the message class LinkedTechnicalManualsMsg.

  Returns

  The linked technical manuals.

- **TmItemMp LinkedTechnicalManualsForWork(LinkedTechnicalManualsForWorkMsg input)**

  The result of an m-link is an item number. This method checks whether none, one or more manuals are available for the given country.

  Parameter

  input - Instance of the message class LinkedTechnicalManualsForWorkMsg.

  Returns

  The linked manuals for the selected work.

- **string ManualHtml(ManualHtmlMsg input)**

Delivers a string which contains HTML-code from which a HTML-file for the manual can be generated.

Parameter

input - Instance of the message class ManualHtmlMsg.

Returns

A string which contains the whole HTML file.

- **string ErrorCodeSearchHtml(ErrorCodeSearchHtmlMsg input)**

Generates an HTML-string containing the filtered error codes for the given vehicle.

Parameter

input - Instance of the message class ErrorCodeSearchHtmlMsg.

Returns

A string which contains the whole HTML file.

- **IEnumerable<String> ImageNamesForManual(ImageNamesForManualsMsg input)**

Delivers a collection of strings which contains the image names necessary for the manual.

Parameter

input - Instance of the message class ImageNamesForManualsMsg

Returns

A collection of image names for the manual.

- **string Image(ImageMsg input)**

Returns a base64 encoded string which contains the requested technical manual image.

Parameter

input - Instance of the message class ImageMsg.

Returns

A base64 encoded string, which contains the image.

Object Model

1. ErrorCodeSearchHtmlMsg

1.1. Summary

Class RestRMI.Areas.Tm.Models.ErrorCodeSearchHtmlMsg contains the properties which are necessary to call web service method ErrorCodeSearchHtml(ErrorCodeSearchHtmlMsg).

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 ErrorCode**

  Gets or sets the error code to search for.

  Property-Value

  The error code.

- **string LanguageCode**

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

  Property-Value

  The ISO language code.

- **string LinkUrl**

  Gets or sets the link url. The actual link information is going to be added at the end of this url.

  It is used where documents contains links to other and are shown in custom application.

  Property-Value

  The link url.

  Example

  ```
  LinkUrl = "http://localhost/" // -> Generated link in documents:
  http://localhost/Þ1234Þ;
  ```

- **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. ImageMsg

2.1. Summary

Class RestRMI.Models.GlobalServiceMessages.ImageMsg contains the properties which are necessary to call the web service methods Image(ImageMsg),

2.2. Detailed Module Documentation

2.2.1. Properties

- **string ImageName**

  Gets or sets the name of the requested image.

  Property-Value

  The name of the image.

3. ImageNamesForManualsMsg

3.1. Summary

Class RestRMI.Areas.Tm.Models.ImageNamesForManualsMsg contains the properties which are necessary to call web service methods ImageNamesForManual(ImageNamesForManualsMsg).

3.2. Detailed Module Documentation

3.2.1. Properties

- **int ManualId**

  Gets or sets the TecRMI manual id.

  The id can be fetched by using the topic tree methods from the respective modules.

  Property-Value

  The manual id.

4. KindOfWorkTimeData

4.1. Summary

Enum **KindOfWorkTimeData**specifies the kinds of work time data. In other words this enumeration determines the unit a work time has.

4.2. Detailed Module Documentation

4.2.1. Enums

- **DecimalWorkHours**

  The work time is displayed in decimal work hours.

- **ManufacturerWorkPositions**

  The work time is displayed in manufacturer work time units.

5. LinkedTechnicalManualsForWorkMsg

5.1. Summary

Class RestRMI.Areas.Tm.Models.LinkedTechnicalManualsForWorkMsg contains the properties which are necessary to call web service method LinkedTechnicalManualsForWork(LinkedTechnicalManualsForWorkMsg).

5.2. Detailed Module Documentation

5.2.1. 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 WorkId**

  Gets or sets the TecRMI work id which identifies a work position unique.

  The id can be fetched by using the topic tree methods from the respective modules.

  Property-Value

  The work id.

6. LinkedTechnicalManualsMsg

6.1. Summary

Class RestRMI.Areas.Tm.Models.LinkedTechnicalManualsMsg contains the properties which are necessary to call web service methods LinkedTechnicalManuals(LinkedTechnicalManualsMsg).

6.2. Detailed Module Documentation

6.2.1. 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 ItemMpId**

  Gets or sets the TecRMI item mount position id.

  The id can be fetched by using the topic tree methods from the respective modules.

  Property-Value

  The item mount position id.

- **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.

7. ManualHtmlMsg

7.1. Summary

Class RestRMI.Areas.Tm.Models.ManualHtmlMsg contains the properties which are necessary to call web service methods ManualHtml(ManualHtmlMsg).

7.2. Detailed Module Documentation

7.2.1. 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.

- KindOfWorkTimeData KindOfWorkTime

Gets or sets an enum value indicates which unit the work time in the result should have.

Property-Value

The kind of unit of the work time.

- **string LanguageCode**

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

Property-Value

The ISO language code.

- **string LinkUrl**

Gets or sets the link url. The actual link information is going to be added at the end of this url.

It is used where documents contains links to other and are shown in custom application.

Property-Value

The link url.

Example

```
LinkUrl = "http://localhost/" // -> Generated link in documents:
http://localhost/Þ1234Þ;
```

- **int ManualId**

Gets or sets the TecRMI manual id.

The id can be fetched by using the topic tree methods from the respective modules.

Property-Value

The manual id.

- **bool PrintView**

Gets or sets a value indicating whether the generated document should be optimised for printing.

Property-Value

true if optimised for printing; otherwise, false.

- **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. ManualListMsg

8.1. Summary

Class RestRMI.Areas.Tm.Models.ManualListMsg contains the properties which are necessary to call web service methods ManualList(ManualListMsg).

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.

- **Nullable<Int32> GenArtNumber**

  Gets or sets the generic article number.

  Only if this contains a value and TextSearch is NULL or empty a search after the passed generic article is performed.

  Property-Value

  The generic article number.

- **Nullable<Int32> GenCritNumber**

  Gets or sets the generic criterion number.

  Property-Value

  The generic criterion number.

- **string GenCritValue**

  Gets or sets the generic criterion value.

  Property-Value

  The generic criterion value.

- **string LanguageCode**

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

  Property-Value

  The ISO language code.

- **string TextSearch**

  Gets or sets the text search. If this isn't NULL or empty a search after this value will be performed.

  Property-Value

  The text search.

- **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.

9. TmItemMp

9.1. Summary

Represents an item mount position for the technical manual topic tree. In the topic tree hierarchy, item mount positions are children of sub groups. The same item mount position might also be a child of several different sub groups making the topic tree rather a directed acyclic graph than a tree.

9.2. Detailed Module Documentation

9.2.1. Properties

- **bool InfoDataExists**

  Gets or sets a value indicating whether there are information data existing for this item mount position.

  The portal database must be available to provide information data.

  Property-Value

  true if info data exists; otherwise, false.

- **bool IsLocked**

  Gets or sets a value indicating whether access to this item mount position is denied.

  Property-Value

  true if this item mount position is locked; otherwise, false.

- **int ItemMpId**

  Gets or sets the id of the item mount position.

  Property-Value

  The item mount position id.

- **string ItemMpImageName**

  Gets or sets the name of the item mount position image.

  Property-Value

  The the item mount position image name.

- **string ItemMpText**

  Gets or sets the text of the item mount position.

  Property-Value

  The item mount position text.

- **List<TmManual> Manuals**

Gets or sets a collection of manuals which belongs to the topic item mount position.

Property-Value

The manuals.

- **int SortOrder**

Gets or sets the order number of this topic item mount position. A collection of topic item mount position will be sorted against this number.

Property-Value

The sort order.

10. TmMainGroup

10.1. Summary

Represents a main group for technical manuals. In the topic tree hierarchy, main groups are on the topmost level. Each main group may have several sub groups as children.

10.2. Detailed Module Documentation

10.2.1. Properties

- **bool InfoDataExists**

Gets or sets a value indicating whether there are information data existing for this main group. The portal database must be available to provide information data.

Property-Value

true if info data exists; otherwise, false.

- **int MainGroupId**

Gets or sets the id of the main group.

Property-Value

The main group id.

- **string MainGroupImage**

Gets or sets the image of the main group.

Property-Value

The main group image.

- **string MainGroupName**

Gets or sets the name of the main group.

Property-Value

The the main group name.

- **int SortOrder**

Gets or sets the order number of this main group. A collection of main groups will be sorted against this number.

Property-Value

The sort order.

- **List<TmSubGroup> SubGroups**

  Gets or sets a collection of sub groups which belongs to this main group.

  Property-Value

  The sub groups.

11. TmManual

11.1. Summary

Represents a technical manual in the field of technical manual. A manual belongs to an item mount position.

11.2. Detailed Module Documentation

11.2.1. Properties

- **int ManualId**

  Gets or sets the id of the manual.

  Property-Value

  The manual id.

- **int QualColId**

  Gets or sets the id of the qualifier collection.

  Property-Value

  The qualifier collection id.

- **string QualColText**

  Gets or sets the qualifier collection text.

  Property-Value

  The qualifier collection text.

12. TmSubGroup

12.1. Summary

Represents a sub group for technical manuals. In the topic tree hierarchy, sub groups are children of main groups. The same sub group might also be a child of several different main groups making the topic tree rather a directed acyclic graph than a tree. Each sub group may have several item mount positions as children.

12.2. Detailed Module Documentation

12.2.1. Properties

- **bool InfoDataExists**

  Gets or sets a value indicating whether there are information data existing for this sub group.

  The portal database must be available to provide information data.

  Property-Value

  true if info data exists; otherwise, false.

- **List<TmItemMp> ItemMps**

  Gets or sets a collection of item mount positions which belongs to this sub group.

  Property-Value

  The item mount positions.

- **int SortOrder**

  Gets or sets the order number of this sub group. A collection

  of sub groups will be sorted against this number.

  Property-Value

  The sort order.

- **int SubGroupId**

  Gets or sets the id of the sub group.

  Property-Value

  The sub group id.

- **string SubGroupImage**

  Gets or sets the sub group image.

  Property-Value

  The sub group image.

- **string SubGroupName**

  Gets or sets the name of the sub group.

  Property-Value

  The sub group name.

13. VehicleHasManualsMsg

13.1. Summary

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

13.2. Detailed Module Documentation

13.2.1. 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.