

Interface Description

ServiceAd_REST



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Module Details

1. AdjustController

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 of all, you should check whether there is adjustment data available for the currently selected vehicle. To perform this check, you simply call [VehicleHasAdjust](#) which returns a boolean value indicating whether there is adjustment data (**true**) or not (**false**)

To build a working menu for selecting adjustment data for a specific vehicle you should invoke the method [List](#) . From this method, you will get a list containing further lists which hold all the information on the adjustment data sub groups and items of the vehicle.

To get an adjustment data manual in html format, you have to call [MainGroupHtml](#) where you pass the type id of your chosen vehicle and one of the main group ids which you got from [List](#) . Wenn you set the property "PrintView" to true the html document will be optimized for printing.

You can also create adjustment data manuals which only contain information for a special subgroup or item instead of a whole main group. To get such a manual for a special sub group you simply call [SubGroupHtml](#) where you pass the subgroup id which you probably already got from [List](#) and, as usual, the type id of the selected vehicle. To do this for a special item use [ItemHtml](#) and passing the item mount position id from [List](#) .

1.3. Summary

Area [RestRMI.Areas.Ad.Controllers.AdjustController](#) provides the web service methods for the part adjustment data. Here technical data on the selected vehicle, such as torques, filling quantities and specification are shown.

1.4. Detailed Module Documentation

1.4.1. 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

1.4.2. Methods

- **bool VehicleHasAdjust([VehicleHasAdjustMsg](#) input)**
Checks whether the vehicle has adjustment data.

Parameter

input - Instance of the message class [VehicleHasAdjustMsg](#).

Returns

true - if adjustment data exists; otherwise false.

- **IEnumerable<[AdMainGroup](#)> List([ListMsg](#) input)**
Delivers a country specific list to generate the adjustment data topic tree for the type id in the given language.

Parameter

input - Instance of the message class [ListMsg](#).

Returns

The topic tree for the part adjustment data.

- **IEnumerable<[AdValueSubGroup](#)> MainGroupData([MainGroupDataMsg](#) input)**
Delivers a collection with the adjustment data for the selected vehicle, main group and country.

Parameter

input - Instance of the message class [MainGroupDataMsg](#).

Returns

The data of the adjustment data main group.

- AdValueSubGroup SubGroupData(SubGroupDataMsg input)

Delivers a collection with the adjustment data for the selected vehicle, sub group and country.

Parameter

input - Instance of the message class SubGroupDataMsg.

Returns

The data of the adjustment data sub group.

- AdValueItemMp ItemMpData(ItemMpDataMsg input)

Delivers a collection with the adjustment data for the selected type, item and country.

Parameter

input - Instance of the message class ItemMpDataMsg

Returns

The data of the adjustment data item mount position.

- string MainGroupHtml(MainGroupHtmlMsg input)

Delivers a country specific string which contains the HTML lines for an adjustment data HTML file.

Remarks

Link elements (hrefs) in the HTML code are enclosed in 'þ' (U+00DE LATIN CAPITAL LETTER THORN) characters and consists of a letter and a number (e.g. þm123þ). Those can be evaluated on the web server before the HTML is sent to the client, or handled in an embedded browser control using the relevant navigation events. Following letters where possible: m - indicates a link to 0..* technical manual(s) followed by a manual id. p - indicates a link to a picture, followed by the full picture URL.

Parameter

input - Instance of the message class MainGroupHtmlMsg.

Returns

A string which contains the whole HTML file..

- string SubGroupHtml(SubGroupHtmlMsg input)

Delivers a string which contains the HTML lines for an adjustment data HTML file for the given sub group.

Remarks

Link elements (hrefs) in the HTML code are enclosed in 'þ' (U+00DE LATIN CAPITAL LETTER THORN) characters and consists of a letter and a number (e.g. þm123þ). Those can be evaluated on the web server before the HTML is sent to the client, or handled in an embedded browser control using the relevant navigation events. Following letters where possible: m - indicates a link to 0..* technical manual(s) followed by a manual id.

p - indicates a link to a picture, followed by the full picture URL.

Parameter

input - Instance of the message class SubGroupHtmlMsg.

Returns

A string which contains the whole HTML file.

- string ItemHtml(ItemHtmlMsg input)

Delivers a string which contains the HTML lines for an adjustment data HTML file for the given item.

Remarks

Link elements (hrefs) in the HTML code are enclosed in 'p' (U+00DE LATIN CAPITAL LETTER THORN) characters and consists of a letter and a number (e.g. p_{m123}). Those can be evaluated on the web server before the HTML is sent to the client, or handled in an embedded browser control using the relevant navigation events. Following letters where possible: m - indicates a link to 0..* technical manual(s) followed by a manual id. p - indicates a link to a picture, followed by the full picture URL.

Parameter

input - Instance of the message class ItemHtmlMsg.

Returns

A string containing the complete HTML lines for a HTML file of the adjustment data.

- IEnumerable<String> ImageNamesForMainGroup(ImageNamesForMainGroupMsg input)

Delivers a country specific collection of strings which contains the picture names necessary for the adjustment data layout.

Parameter

input - Instance of the message class ImageNamesForMainGroupMsg.

Returns

A collection of strings containing all image names of the HTML file.

- IEnumerable<String> ImageNamesForSubGroup(ImageNamesForSubGroupMsg input)

Delivers a country specific collection of strings which contains the picture names necessary for the adjustment data layout.

Parameter

input - Instance of the message class ImageNamesForSubGroupMsg.

Returns

A collection of strings containing all image names of the HTML file.

- IEnumerable<String> ImageNamesForItemMp(ImageNamesForItemMpMsg input)

Delivers a country specific collection of strings which contains the picture names necessary for the adjustment data layout.

Parameter

input - Instance of the message class ImageNamesForItemMpMsg.

Returns

A collection of strings containing all image names of the HTML file.

- string Image(ImageMsg input)

Returns a byte array which contains the requested adjustment data image.

Parameter

input - Instance of the message class ImageMsg.

Returns

An array which contains the requested image.

Object Model

1. AdItemMp

1.1. Summary

Represents an item mount position of the adjustment data 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.

1.2. Detailed Module Documentation

1.2.1. 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 ItemMplId**

Gets or sets the id of the item mount position.

Property-Value

The item mount position id.

- **string ItemMplImageName**

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.

- **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.

2. AdMainGroup

2.1. Summary

Represents a main group of the adjustment data topic tree. In the topic tree hierarchy, main groups are on the topmost level. Each main group may have several sub groups as children.

2.2. Detailed Module Documentation

2.2.1. 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<[AdSubGroup](#)> SubGroups**

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

Property-Value

The sub groups.

3. AdSubGroup

3.1. Summary

Represents a sub group of the adjustment data topic tree. 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.

3.2. Detailed Module Documentation

3.2.1. 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<AdItemMp> 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.

4. AdValueData

4.1. Summary

Represents value data for AD. This is the actual adjustment data.

4.2. Detailed Module Documentation

4.2.1. Properties

- **string AdditionalText**

Gets or sets the additional text.

Property-Value

The additional text.

- **KindOfLinkTypes KindOfLink**

Gets or sets the kind of link.

Property-Value

The kind of link.

- **string LinkValue**

Gets or sets the link value.

Property-Value

The link value.

- **int QualCollId**

Gets or sets the id of the qualifier collection.

Property-Value

The qualifier collection id.

- **string QualColText**

Gets or sets the text of the qualifier collection.

Property-Value

The qualifier collection text.

- **string QuantityText**

Gets or sets the quantity text.

Property-Value

The quantity text.

- int ValueSortOrder

Gets or sets the value sort order.

Property-Value

The value sort order.

- string ValueText

Gets or sets the value text.

Property-Value

The value text.

5. AdValueItemMp

5.1. Summary

Represents an item mount position along with a collection of their values.

5.2. Detailed Module Documentation

5.2.1. 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.

- bool IsOnlyForReference

Gets or sets a value indicating whether this instance is only for reference.

Property-Value

true if this instance is only for reference; otherwise, false.

- int ItemMplId

Gets or sets the id of the item mount position.

Property-Value

The item mount position id.

- string ItemMplImageName

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.

- **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.

- **List<AdValueData> Values**

Gets or sets a collection of values of this item mount position.

Property-Value

The values of the item mount position.

6. AdValueSubGroup

6.1. Summary

Represents a sub group for adjustment data that has a collection of item mount positions. Each of the item mount positions has a list of values representing the actual adjustment data.

6.2. Detailed Module Documentation

6.2.1. 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<AdValueItemMp> 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.

7. ImageMsg

7.1. Summary

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

7.2. Detailed Module Documentation

7.2.1. Properties

- **string ImageName**

Gets or sets the name of the requested image.

Property-Value

The name of the image.

8. ImageNamesForItemMpMsg

8.1. Summary

Class [RestRMI.Areas.Ad.Models.ImageNamesForItemMpMsg](#) contains the properties which are necessary to call the web service methods `ImageNamesForItemMp(ImageNamesForItemMpMsg)`,

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 ItemMpld**

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.

- **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.

9. ImageNamesForMainGroupMsg

9.1. Summary

Class [RestRMI.Areas.Ad.Models.ImageNamesForMainGroupMsg](#) contains the properties which are necessary to call web service methods `ImageNamesForMainGroup(ImageNamesForMainGroupMsg)`.

9.2. Detailed Module Documentation

9.2.1. 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 MainGroupld**

Gets or sets the TecRMI topic main group id.

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

Property-Value

The topic main group id.

- **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.

10. ImageNamesForSubGroupMsg

10.1. Summary

Class [RestRMI.Areas.Ad.Models.ImageNamesForSubGroupMsg](#) contains the properties which are necessary to call the web service methods `ImageNamesForSubGroup(ImageNamesForSubGroupMsg)`.

10.2. Detailed Module Documentation

10.2.1. 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 SubGroupId

Gets or sets the TecRMI topic sub group id.

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

Property-Value

The topic sub group id.

- 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.

11. ItemHtmlMsg

11.1. Summary

Class [RestRMI.Areas.Ad.Models.ItemHtmlMsg](#) contains the properties which are necessary to call the web service method `ItemHtml(ItemHtmlMsg)`.

11.2. Detailed Module Documentation

11.2.1. 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.

- int ItemMpld

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.

- 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/12345;
```

- bool PrintView

Gets or sets a value indicating whether the HTML file should be prepared for printing.

Property-Value

true if the HTML file is prepare 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.

12. ItemMpDataMsg

12.1. Summary

Class [RestRMI.Areas.Ad.Models.ItemMpDataMsg](#) contains the properties which are necessary to call the web service methods `ItemMpData(ItemMpDataMsg)`.

12.2. Detailed Module Documentation

12.2.1. 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.

- **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 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.

13. KindOfLinkTypes

13.1. Summary

Enum `KindOfLinkTypes` specifies the kinds of link types.

13.2. Remarks

The AuDaLib includes several methods that return HTML documents as strings. Some of the HTML documents may contain links. The **href** attribute of the links follows a certain scheme: e.g. href="someUrl/pa1205p", where "someUrl/" is the link URL, "p" is the link separator, "a" is the kind of link type represented as char and "1205" is the link id. The kind of link type determines how the link id has to be interpreted and, therefore, determines the target module the link is referencing. The enumerators can be casted into chars. Altogether, a link can be evaluated on the web server before the HTML is sent to the client, or handled in an embedded browser control using the relevant navigation events.

13.3. Detailed Module Documentation

13.3.1. Enums

- **None**

No link.

- **AdItemMpld**

A link to an item mount position from the adjustment data module.

- **FusesBoxItemMpld**

Unused at the moment.

- **BgItemGroup**

A link to an item group from the body graphics module.

- **DiagnosisItemId**

A link to an item from the diagnosis module.

- **ErrorCodeManualId**

A link to an error code manual.

- **Fuses**

A link to fuses.

- **HotSpotGenArt**

A link to a generic article.

- **BgMainGroupId**

A link to a main group from the body graphics module.

- **TmItemMpld**

A link to an item mount position from the technical manuals module.

- **DiagnosticContentId**

Unused at the moment.

- **Unused_K**

Unused at the moment.

- **LockedItem**

A link to an item for which access is denied because the user has no permissions to access the referenced item.

- **TmManualId**

A link to a manual from the technical manuals module.

- **OeSparePartNo**

A link to a OE spare part no from a technical manual.

- **WdMainGroupId**

A link to main group from the wiring diagrams module.

- **Image**

A link to an image.

- **Unused_Q**

Unused at the moment.

- **Unused_R**

Unused at the moment.

- **BgSubGroupId**

A link to a sub group from the body graphics module.

- **VehicleTreeTypeId**

A link to a vehicle type from the vehicle tree module.

- **Unused_U**

Unused at the moment.

- **Unused_V**

Unused at the moment.

- **WdItemMpld**

A link to an item mount position from the wiring diagrams module.

- **Unused_X**

Unused at the moment.

- **ImageLinkId**

A link from an image, currently used for partposition module.

- **Unused_Z**

Unused at the moment.

14. ListMsg

14.1. Summary

Class [RestRMI.Areas.Ad.Models.ListMsg](#) is the base class for a few message classes and contains the properties which are necessary to call web service methods List(ListMsg),

14.2. Detailed Module Documentation

14.2.1. 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.

15. MainGroupDataMsg

15.1. Summary

Class [RestRMI.Areas.Ad.Models.MainGroupDataMsg](#) contains the properties which are necessary to call web service methods `MainGroupData(MainGroupDataMsg)`.

15.2. Detailed Module Documentation

15.2.1. 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 MainGroupId**

Gets or sets the TecRMI topic main group id.

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

Property-Value

The topic main group id.

- **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.

16. MainGroupHtmlMsg

16.1. Summary

Class [RestRMI.Areas.Ad.Models.MainGroupHtmlMsg](#) contains the properties which are necessary to call the web service method `MainGroupHtml(MainGroupHtmlMsg)`.

16.2. Detailed Module Documentation

16.2.1. 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.

- 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/12345;
```

- int MainGroupId

Gets or sets the TecRMI topic main group id.

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

Property-Value

The topic main group id.

- bool PrintView

Gets or sets a value indicating whether the HTML file should be prepared for printing.

Property-Value

true if the HTML file is prepared 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.

17. SubGroupDataMsg

17.1. Summary

Class [RestRMI.Areas.Ad.Models.SubGroupDataMsg](#) contains the properties which are necessary to call the web service methods `SubGroupData(SubGroupDataMsg)`.

17.2. Detailed Module Documentation

17.2.1. 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 SubGroupId**

Gets or sets the TecRMI topic sub group id.

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

Property-Value

The topic sub group id.

- **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.

18. SubGroupHtmlMsg

18.1. Summary

Class [RestRMI.Areas.Ad.Models.SubGroupHtmlMsg](#) contains the properties which are necessary to call the web service method `SubGroupHtml(SubGroupHtmlMsg)`.

18.2. Detailed Module Documentation

18.2.1. 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.

- **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/1234;
```

- **bool PrintView**

Gets or sets a value indicating whether the HTML file should be prepared for printing.

Property-Value

true if prepared for printing; otherwise, false.

- **int SubGroupId**

Gets or sets the TecRMI topic sub group id.

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

Property-Value

The topic sub group id.

- **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.

19. VehicleHasAdjustMsg

19.1. Summary

Class [RestRMI.Areas.Ad.Models.VehicleHasAdjustMsg](#) contains the properties which are necessary to call the web service module check methods.

19.2. Detailed Module Documentation

19.2.1. 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 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.