

# Interface Description

---

ServicePp\_REST



---

Revision date: 02.04.2025

TecAlliance GmbH

---

## Contents

### Module Details

1. ComponentLocationsController

### ObjectModel

1. AdItemMp
2. DiItemMp
3. DiValue
4. FrBoxConfiguration
5. FrBoxItemMp
6. ImageMsg
7. ImageNamesForComponentsMsg
8. KindOfLinkTypes
9. KindOfWorkTimeData
10. LinkedDiagnosticsMsg
11. LinkedFuseRelaisMsg
12. LinkedLabourTimesMsg
13. LinkedTechnicalDataMsg
14. LinkedTechnicalManualsMsg
15. LinkedWiringDiagramMsg
16. ListMsg
17. LtItemMpKor
18. ManualHtmlMsg
19. PpItemMp
20. PpMainGroup
21. PpManual
22. PpSubGroup
23. QualCol
24. TmItemMp
25. TmManual
26. VehicleHasPpMsg
27. WdItemMp
28. WdManual

## Module Details

### 1. ComponentLocationsController

#### 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 part position data available for your car. To do so, call the method [VehicleHasComponents](#) passing it your type id. To get all the information of the part position for one vehicle call by calling [List](#) , which will provide a list with your requested information. To get a single manual in HTML format, call [ManualHtml](#) .

#### 1.3. Summary

Area [RestRMI.Areas.Pp.Controllers.ComponentLocationsController](#) provides the web service methods for the part part position. Here, you can see the position on which the respective component is located.

### 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 VehicleHasComponents(VehicleHasPpMsg input)**

Checks whether the selected vehicle has part position data.

**Parameter**

input - Instance of the message class VehicleHasPpMsg.

**Returns**

true - if part position data exists; otherwise false.

- **IEnumerable<PpMainGroup> List(ListMsg input)**

Delivers a country specific list to generate a part position tree for the vehicle type in the selected language.

**Parameter**

input - Instance of the message class ListMsg.

**Returns**

The topic tree for the part position.

- **string ManualHtml(ManualHtmlMsg input)**

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

**Parameter**

input - Instance of the message class ManualHtmlMsg.

**Returns**

A string which contains HTML-lines from which a HTML-file for the part position manual can be generated.

- **IEnumerable<String> ImageNamesForComponents(ImageNamesForComponentsMsg input)**

Delivers a collection of strings which contain the image names necessary for the part position manual.

**Parameter**

input - Instance of the message class ImageNamesForComponentsMsg.

**Returns**

The image names for pp.

**- string Image(ImageMsg input)**

Returns a byte array which contains the requested part position image

**Parameter**

input - Instance of the message class ImageMsg.

**Returns**

A byte array which contains the requested image data.

**- IEnumerable<AdItemMp> LinkedTechnicalData(LinkedTechnicalDataMsg input)**

Gets the technical data which are linked to this part position document.

**Parameter**

input - Instance of the message class LinkedTechnicalDataMsg.

**Returns**

A collection of linked technical data.

**- IEnumerable<TmItemMp> LinkedTechnicalManuals(LinkedTechnicalManualsMsg input)**

Gets the technical manuals which are linked to this part position document.

**Parameter**

input - Instance of the message class LinkedTechnicalManualsMsg.

**Returns**

A collection of linked technical manuals.

**- IEnumerable<LtItemMpKor> LinkedLabourTimes(LinkedLabourTimesMsg input)**

Gets the labour times data which are linked to this part position document.

**Parameter**

input - Instance of the message class LinkedLabourTimesMsg.

**Returns**

A collection of linked labour times data.

**- IEnumerable<WdItemMp> LinkedWiringDiagram(LinkedWiringDiagramMsg input)**

Gets the wiring diagrams which are linked to this part position document.

**Parameter**

input - Instance of the message class LinkedWiringDiagramMsg.

**Returns**

A collection of linked wiring diagrams.

- **IEnumerable<DiltemMp> LinkedDiagnostics(LinkedDiagnosticsMsg input)**

Gets the diagnostics data which are linked to this part position document.

**Parameter**

input - Instance of the message class LinkedDiagnosticsMsg.

**Returns**

A collection of linked part position data.

- **IEnumerable<FrBoxItemMp> LinkedFuseRelais(LinkedFuseRelaisMsg input)**

Gets the diagnostics data which are linked to this part position document.

**Parameter**

input - Instance of the message class LinkedFuseRelaisMsg.

**Returns**

A collection of linked fuse and relays box configurations.

# 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 ItemMpld**

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. DiltemMp

### 2.1. Summary

Represents an item mount position for the diagnose 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.

### 2.2. Detailed Module Documentation

#### 2.2.1. Properties

- **Nullable<Int32> ComponentTypeId**

Gets or sets the identifier of the component type.

**Property-Value**

The component type id.

- **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 ItemMpld**

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.

**- List<DiValue> 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.

**- Nullable<Int32> SystemQualColId**

Gets or sets the identifier of the system qualifier collection.

**Property-Value**

The system qualifier collection id.

**- string SystemQualColText**

Gets or sets the text of the system qualifier collection.

**Property-Value**

The system qualifier collection text.

## 3. DiValue

### 3.1. Summary

Represents a topic manual in the diagnose part of the AuDaLib. Manuals can be found in the modules Sos, technical manuals (Tm) and wiring diagram (Wd). The purpose of the class **DiValue** is to provide a base for these modules. A manual belongs to an item mount position. SOS, TM and WD. A manual belongs to an item mount position.

### 3.2. Detailed Module Documentation

#### 3.2.1. Properties

**- int QualColId**

Gets or sets the id of the qualifier collection.

**Property-Value**

The qualifier collection id.

**- string QualColText**

Gets or sets the text the qualifier collection.

**Property-Value**

The qualifier collection text.

**- Nullable<Int32> SystemQualColId**

Gets or sets the identifier of the system qualifier collection.

**Property-Value**

The system qualifier collection id.

**- string SystemQualColText**

Gets or sets the text of the system qualifier collection.

**Property-Value**

The system qualifier collection text.

## 4. FrBoxConfiguration

### 4.1. Summary

Represents a specific configuration of a fuse and relays box.

### 4.2. Detailed Module Documentation

#### 4.2.1. Properties

**- List<QualCol> BoxBuildPeriodQualCols**

Gets or sets a list of qualifier collections which represents the possible years where this component has been build.

**Property-Value**

A collection of build year qualifier collections.

**- int BoxConfigurationId**

Gets or sets the identifier of the box configuration mapping.

**Property-Value**

The the box configuration mapping id.

**- int BuildPeriodQualColId**

Gets or sets the identifier of the build period qual col.

**Property-Value**

The identifier of the build period qual col.

**- string BuildPeriodQualColText**

Gets or sets the build period qual col text.

**Property-Value**

The build period qual col text.

**- int QualColId**

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.

## 5. FrBoxItemMp

### 5.1. Summary

Represents configuration settings of a fuse and relays box.

### 5.2. Detailed Module Documentation

#### 5.2.1. Properties

**- List<[FrBoxConfiguration](#)> BoxConfigurations**

Gets or sets a list of different fuse und relays box configurations.

**Property-Value**

A collection of fuse and relays box configurations.

**- 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.

## 6. ImageMsg

### 6.1. Summary

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

### 6.2. Detailed Module Documentation

#### 6.2.1. Properties

- **string ImageName**

Gets or sets the name of the requested image.

**Property-Value**

The name of the image.

## 7. ImageNamesForComponentsMsg

### 7.1. Summary

Class [RestRMI.Areas.Pp.Models.ImageNamesForComponentsMsg](#) contains the properties which are necessary to call the web service methods `ImageNamesForComponents(ImageNamesForComponentsMsg)`.

### 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.

- **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.

- **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. KindOfLinkTypes

### 8.1. Summary

Enum **KindOfLinkTypes** specifies the kinds of link types.

### 8.2. 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.

### 8.3. Detailed Module Documentation

#### 8.3.1. Enums

- **None**

No link.

- **AdItemMpid**

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

- **FusesBoxItemMpid**

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.

- **TmItemMpid**

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.

## 9. KindOfWorkTimeData

### 9.1. Summary

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

### 9.2. Detailed Module Documentation

#### 9.2.1. Enums

- **DecimalWorkHours**  
The work time is displayed in decimal work hours.
- **ManufacturerWorkPositions**  
The work time is displayed in manufacturer work time units.

## 10. LinkedDiagnosticsMsg

### 10.1. Summary

Class [RestRMI.Areas.Pp.Models.LinkedDiagnosticsMsg](#) contains the properties which are necessary to call web service methods `LinkedDiagnostics(LinkedDiagnosticsMsg)`.

### 10.2. Detailed Module Documentation

#### 10.2.1. Properties

- **Nullable<Int32> ComponentTypeId**  
Gets or sets the identifier of the component type.  
**Property-Value**  
The identifier of the component type.
- **string CountryCode**  
Gets or sets the 2-letter international country code as defined by ISO 3166-1.  
**Property-Value**  
The ISO country code.

**- int ImageLinkId**

Gets or sets the identifier of the image link.

**Property-Value**

The the image link 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.

## 11. LinkedFuseRelaisMsg

### 11.1. Summary

Class [RestRMI.Areas.Pp.Models.LinkedFuseRelaisMsg](#) contains the properties which are necessary to call web service methods `LinkedFuseRelais(LinkedFuseRelaisMsg)`.

### 11.2. Detailed Module Documentation

#### 11.2.1. Properties

**- int ComponentId**

Gets or sets the identifier of the component.

**Property-Value**

The identifier of the component.

**- string CountryCode**

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

**Property-Value**

The ISO country code.

**- int ImageLinkId**

Gets or sets the identifier of the image link.

**Property-Value**

The image link 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.

## 12. LinkedLabourTimesMsg

### 12.1. Summary

Class [RestRMI.Areas.Pp.Models.LinkedLabourTimesMsg](#) contains the properties which are necessary to call web service methods `LinkedLabourTimes(LinkedLabourTimesMsg)`.

### 12.2. Detailed Module Documentation

#### 12.2.1. 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 ImageLinkId**

Gets or sets the identifier of the image link.

**Property-Value**

The image link 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 LtBodyQualCollid**

Gets or sets the body qualifier id for labour times work positions which defines the vehicle construction.  
The id can be fetched by using the equivalent methods from the respective modules.

**Property-Value**

The body qualifier 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.

## 13. LinkedTechnicalDataMsg

### 13.1. Summary

Class [RestRMI.Areas.Pp.Models.LinkedTechnicalDataMsg](#) contains the properties which are necessary to call the web service methods `LinkedTechnicalData(LinkedTechnicalDataMsg)`.

### 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 ImageLinkId**

Gets or sets the identifier of the image link.

**Property-Value**

The image link 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.

## 14. LinkedTechnicalManualsMsg

### 14.1. Summary

Class [RestRMI.Areas.Pp.Models.LinkedTechnicalManualsMsg](#) contains the properties which are necessary to call the web service methods `LinkedTechnicalManuals(LinkedTechnicalManualsMsg)`.

## 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.

- **int ImageLinkId**

Gets or sets the identifier of the image link.

**Property-Value**

The image link 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.

## 15. LinkedWiringDiagramMsg

### 15.1. Summary

Class [RestRMI.Areas.Pp.Models.LinkedWiringDiagramMsg](#) contains the properties which are necessary to call the web service methods `LinkedWiringDiagram(LinkedWiringDiagramMsg)`.

## 15.2. Detailed Module Documentation

### 15.2.1. 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 ImageLinkId**

Gets or sets the identifier of the image link.

**Property-Value**

The image link 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.

## 16. ListMsg

### 16.1. Summary

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

### 16.2. Detailed Module Documentation

#### 16.2.1. 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.

## 17. LItemMpKor

### 17.1. Summary

Represents an item mount position along with a kind of repair for labour times. 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.

### 17.2. Detailed Module Documentation

#### 17.2.1. 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 ItemMpld**

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.

**- int KorId**

Gets or sets the id of the kind of repair.

**Property-Value**

The kind of repair id.

**- string KorImageName**

Gets or sets the image name of the kind of repair.

**Property-Value**

The image name of the kind of repair.

**- string KorText**

Gets or sets the text of the kind of repair.

**Property-Value**

The kind of repair 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.

## 18. ManualHtmlMsg

### 18.1. Summary

Class [RestRMI.Areas.Pp.Models.ManualHtmlMsg](#) contains the properties which are necessary to call web service methods `ManualHtml(ManualHtmlMsg)`.

## 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.

- **KindOfWorkTimeData KindOfWorkTime**

Gets or sets the time of the kind of work.

**Property-Value**

The time of the kind of work.

- **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 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 HTML file should be prepared for printing.

**Property-Value**

true if the HTML file is prepare for printing; otherwise, false.

- **int TypedId**

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. PplItemMp

### 19.1. Summary

Represents an item mount position for the mount position 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.

### 19.2. Detailed Module Documentation

#### 19.2.1. 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.

**- List<PpManual> 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.

## 20. PpMainGroup

### 20.1. Summary

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

### 20.2. Detailed Module Documentation

#### 20.2.1. 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<PpSubGroup> SubGroups**

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

**Property-Value**

The sub groups.

## 21. PpManual

### 21.1. Summary

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

### 21.2. Detailed Module Documentation

#### 21.2.1. 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.

## 22. PpSubGroup

## 22.1. Summary

Represents a sub group for mount position 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.

## 22.2. Detailed Module Documentation

### 22.2.1. 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<PplItemMp> 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.

## 23. QualCol

## 23.1. Summary

Class **QualCol** represents a qualifier collection. The qualifier collection delivers a further differentiation for an item.

## 23.2. Detailed Module Documentation

### 23.2.1. Properties

- **int QualColId**

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.

## 24. TmlItemMp

### 24.1. 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.

## 24.2. Detailed Module Documentation

### 24.2.1. 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 ItemMpld**

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.

**- 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.

## 25. TmManual

### 25.1. Summary

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

### 25.2. Detailed Module Documentation

#### 25.2.1. Properties

**- int ManualId**

Gets or sets the id of the manual.

**Property-Value**

The manual id.

**- int QualCollId**

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.

## 26. VehicleHasPpMsg

### 26.1. Summary

Class [RestRMI.Areas.Pp.Models.VehicleHasPpMsg](#) contains the properties which are necessary to call the web service module check methods `VehicleHasPp(VehicleHasPpMsg)`.

### 26.2. Detailed Module Documentation

#### 26.2.1. 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.

## 27. WdItemMp

### 27.1. Summary

Class **WdItemMp** represents an item mount position for wiring data. 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.

### 27.2. Detailed Module Documentation

#### 27.2.1. 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.

**- List<WdManual> 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.

## 28. WdManual

### 28.1. Summary

Class **WdManual** represents a manual for wiring data. A manual belongs to an item mount position.

### 28.2. Detailed Module Documentation

#### 28.2.1. 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.