

# Interface Description

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ServicePp\_SOAP



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TecAlliance GmbH

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## Contents

### Module Details

1. ServicePp

### ObjectModel

1. AdItemMp
2. DiItemMp
3. DiValue
4. FrBoxConfiguration
5. FrBoxItemMp
6. GetImageNamesForPpMsg
7. GetPpImageMsg
8. GetPpLinkedDiagnosticsMsg
9. GetPpLinkedFuseRelaisMsg
10. GetPpLinkedLabourTimesMsg
11. GetPpLinkedTechnicalDataMsg
12. GetPpLinkedTechnicalManualsMsg
13. GetPpLinkedWiringDiagramMsg
14. GetPpListGenArtFilteredMsg
15. GetPpListMsg
16. GetPpListTextFilteredMsg
17. GetPpManualHtmlMsg
18. GetVehicleHasPpMsg
19. KindOfWorkTimeData
20. LtItemMpKor
21. PpItemMp
22. PpMainGroup
23. PpManual
24. PpSubGroup
25. QualCol
26. TmItemMp
27. TmManual
28. WdItemMp
29. WdManual

## Module Details

### 1. ServicePp

#### 1.1. General Remarks

The webservice methods uses message classes as parameter value. All these classes are derived from the base class `AisService._40.Messages.BaseMsg` and contains properties for the data which are necessary for calling the web service method. To calling a method create an instance of their message class, set the necessary data to the message class properties and pass it throw the web service method.

All methods require the "**CompanyName**", "**UserName**" and "**Password**" properties, containing the application-specific access parameters.

Some methods require the `LanguageCode` properties, a 2-letter message internationalization language code as defined by ISO 639-1. All text messages will be returned in the defined language. Only language codes returned by `GetLanguages(...)` in the TecRMI common webservice are valid.

Some methods require the `CountryCode` properties, a 2-letter data internationalization country code as defined by ISO 3166-1. All application data will be returned as it is available for this country. Only county codes returned by `GetCountries(...)` in the TecRMI common webservice are valid.

Some methods require the `ConsumerId` property. To this a unique value, which identifiers the customers users which uses the TecRMI webservice by the customers application has to be passed. The length of the `ConsumerId` property value is restricted to 50 characters and is used for access control and billing.

All methods send an error message if an exception occurred or the access to the web service was denied.

All methods that are documented to return a list return an array instead.

#### 1.2. 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

#### 1.3. Web service URL's

web service URL:

<https://rmi-services.tecalliance.net/soap/ServicePp.asmx>

URL of WSDL file:

<https://rmi-services.tecalliance.net/soap/ServicePp.asmx?wsdl>

#### 1.4. Sequence Of Calls

First, check if there are any part position data available for your car. To do so, call the method [GetVehicleHasPp](#) passing it your type id. To get all the information of the part position for one vehicle call by calling [GetPpList](#) ,

which will provide a list with your requested information. To get a single manual in HTML format, call [GetPpManualHtml](#) .

## 1.5. Summary

Class ServicePp provides the web service methods for the part part position.

## 1.6. Detailed Module Documentation

### 1.6.1. Methods

- **bool GetVehicleHasPp(GetVehicleHasPpMsg input)**

Checks whether the selected vehicle has part position data.

**Parameter**

input - Instance of the message class GetVehicleHasPpMsg.

**Returns**

true - if part position data exists; otherwise false.

**Exception**

System.Web.Services.Protocols.SoapException - Thrown when a SOAP error condition occurs.

- **List<PpMainGroup> GetPpList(GetPpListMsg input)**

Delivers a country specific list to generate a part position topic tree for the given vehicle type in the selected language. Use method GetPpListTextFiltered to filter by text. Use method GetPpListGenArtFiltered to filter by generic articles.

**Parameter**

input - Instance of the message class GetPpListMsg.

**Returns**

The topic tree for the part position.

**Exception**

System.Web.Services.Protocols.SoapException - Thrown when a SOAP error condition occurs.

- **List<PpMainGroup> GetPpListGenArtFiltered(GetPpListGenArtFilteredMsg input)**

Delivers a country specific list to generate a part position topic tree for the given vehicle type in the selected language filtered by generic article.

**Parameter**

input - Instance of the message class GetPpListGenArtFilteredMsg.

**Returns**

The topic tree for the part position.

**Exception**

System.Web.Services.Protocols.SoapException - Thrown when a SOAP error condition occurs.

**- List<PpMainGroup> GetPpListTextFiltered(GetPpListTextFilteredMsg input)**

Delivers a country specific list to generate a part position topic tree for the given vehicle type in the selected language filtered by text.

**Parameter**

input - Instance of the message class GetPpListTextFilteredMsg.

**Returns**

The topic tree for the part position.

**Exception**

System.Web.Services.Protocols.SoapException - Thrown when a SOAP error condition occurs.

**- string GetPpManualHtml(GetPpManualHtmlMsg 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 GetPpManualHtmlMsg.

**Returns**

A string which contains HTML-lines for generating a part position manual.

**Exception**

System.Web.Services.Protocols.SoapException - Thrown when a SOAP error condition occurs.

**- List<AdItemMp> GetPpLinkedTechnicalData(GetPpLinkedTechnicalDataMsg input)**

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

**Parameter**

input - Instance of the message class GetPpLinkedTechnicalDataMsg.

**Returns**

A collection of linked technical data.

**Exception**

System.Web.Services.Protocols.SoapException - Thrown when a SOAP error condition occurs.

- **List<TmlItemMp> GetPpLinkedTechnicalManuals(GetPpLinkedTechnicalManualsMsg input)**

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

**Parameter**

input - Instance of the message class GetPpLinkedTechnicalManualsMsg.

**Returns**

A collection of linked technical manuals.

**Exception**

System.Web.Services.Protocols.SoapException - Thrown when a SOAP error condition occurs.

- **List<LtlItemMpKor> GetPpLinkedLabourTimes(GetPpLinkedLabourTimesMsg input)**

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

**Parameter**

input - Instance of the message class GetPpLinkedLabourTimesMsg.

**Returns**

A collection of linked labour times data.

**Exception**

System.Web.Services.Protocols.SoapException - Thrown when a SOAP error condition occurs.

- **List<WdlItemMp> GetPpLinkedWiringDiagram(GetPpLinkedWiringDiagramMsg input)**

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

**Parameter**

input - Instance of the message class GetPpLinkedWiringDiagramMsg.

**Returns**

A collection of linked wiring diagrams.

**Exception**

System.Web.Services.Protocols.SoapException - Thrown when a SOAP error condition occurs.

- **List<DilItemMp> GetPpLinkedDiagnostics(GetPpLinkedDiagnosticsMsg input)**

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

**Parameter**

input - Instance of the message class GetPpLinkedDiagnosticsMsg.

**Returns**

A collection of linked part position data.

**Exception**

System.Web.Services.Protocols.SoapException - Thrown when a SOAP error condition occurs.

**- List<FrBoxItemMp> GetPpLinkedFuseRelais(GetPpLinkedFuseRelaisMsg input)**

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

**Parameter**

input - Instance of the message class GetPpLinkedFuseRelaisMsg.

**Returns**

A collection of linked fuse and relays box configurations.

**Exception**

System.Web.Services.Protocols.SoapException - Thrown when a SOAP error condition occurs.

**- List<String> GetImageNamesForPp(GetImageNamesForPpMsg input)**

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

**Parameter**

input - Instance of the message class GetImageNamesForPpMsg.

**Returns**

The names of the images used in the part position manual.

**Exception**

System.Web.Services.Protocols.SoapException - Thrown when a SOAP error condition occurs.

**- Byte[] GetPpImage(GetPpImageMsg input)**

Returns a byte array which contains the requested part position image.

**Parameter**

input - Instance of the message class GetPpImageMsg.

**Returns**

A byte array which contains the data of the requested image.

**Exception**

System.Web.Services.Protocols.SoapException - Thrown when a SOAP error condition occurs.

# 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. GetImageNamesForPpMsg

### 6.1. Summary

Class [AisService.\\_40.Messages.Pp.GetPpLinkedTechnicalDataMsg](#) contains the properties which are necessary to call the web service method [GetPpLinkedTechnicalData](#) .

### 6.2. See also

[ServiceAd.GetPpLinkedTechnicalDataMsg\(...\)](#)

### 6.3. Detailed Module Documentation

#### 6.3.1. Properties

- **string CompanyName**

Gets or sets the name of the company.

**Property-Value**

The name of the company.

- **string CountryCode**

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

**Property-Value**

The ISO country code.

- **string Password**

Gets or sets the password.

**Property-Value**

The password.

**- 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.

**- string UserName**

Gets or sets the name of the user.

**Property-Value**

The name of the user.

**- 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. GetPpImageMsg

### 7.1. Summary

Class [AisService.\\_40.Messages.Pp.GetPpImageMsg](#) contains the properties which are necessary to call the web service methods [GetPpImage](#) .

### 7.2. See also

[ServiceAd.GetPpImageMsg\(...\)](#)

### 7.3. Detailed Module Documentation

#### 7.3.1. Properties

**- string CompanyName**

Gets or sets the name of the company.

**Property-Value**

The name of the company.

**- string ImageName**

Gets or sets the name of the requested image.

**Property-Value**

The name of the image.

**- string Password**

Gets or sets the password.

**Property-Value**

The password.

- **string UserName**

Gets or sets the name of the user.

**Property-Value**

The name of the user.

## 8. GetPpLinkedDiagnosticsMsg

### 8.1. Summary

Class [AisService.\\_40.Messages.Pp.GetPpLinkedDiagnosticsMsg](#) contains the properties which are necessary to call web service method [GetPpLinkedDiagnostics](#) .

### 8.2. See also

[ServicePp.GetPpLinkedDiagnosticsMsg\(...\)](#)

### 8.3. Detailed Module Documentation

#### 8.3.1. Properties

- **string CompanyName**

Gets or sets the name of the company.

**Property-Value**

The name of the company.

- **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.

**- string Password**

Gets or sets the password.

**Property-Value**

The password.

**- string UserName**

Gets or sets the name of the user.

**Property-Value**

The name of the user.

**- 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. GetPpLinkedFuseRelaisMsg

### 9.1. Summary

Class [AisService.\\_40.Messages.Pp.GetPpLinkedFuseRelaisMsg](#) contains the properties which are necessary to call web service method [GetPpLinkedFuseRelais](#) .

### 9.2. See also

[ServicePp.GetPpLinkedFuseRelaisMsg\(...\)](#)

### 9.3. Detailed Module Documentation

#### 9.3.1. Properties

**- string CompanyName**

Gets or sets the name of the company.

**Property-Value**

The name of the company.

**- 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.

**- string Password**

Gets or sets the password.

**Property-Value**

The password.

**- string UserName**

Gets or sets the name of the user.

**Property-Value**

The name of the user.

**- 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.

## 10. GetPpLinkedLabourTimesMsg

### 10.1. Summary

Class [AisService.\\_40.Messages.Pp.GetPpManualHtmlMsg](#) contains the properties which are necessary to call web service method [GetPpManualHtml](#) .

### 10.2. See also

[ServicePp.GetPpManualHtmlMsg\(...\)](#)

## 10.3. Detailed Module Documentation

### 10.3.1. Properties

- **string CompanyName**

Gets or sets the name of the company.

**Property-Value**

The name of the company.

- **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.

- **string Password**

Gets or sets the password.

**Property-Value**

The password.

- **string UserName**

Gets or sets the name of the user.

**Property-Value**

The name of the user.

- **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.

## 11. GetPpLinkedTechnicalDataMsg

### 11.1. Summary

Class [AisService.\\_40.Messages.Pp.GetPpLinkedTechnicalDataMsg](#) contains the properties which are necessary to call the web service methods [GetPpLinkedTechnicalData](#) .

### 11.2. See also

[ServiceAd.GetPpLinkedTechnicalDataMsg\(...\)](#)

### 11.3. Detailed Module Documentation

#### 11.3.1. Properties

- **string** **CompanyName**

Gets or sets the name of the company.

**Property-Value**

The name of the company.

- **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.

- **string** **Password**

Gets or sets the password.

**Property-Value**

The password.

- **string** **UserName**

Gets or sets the name of the user.

**Property-Value**

The name of the user.

- **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. GetPpLinkedTechnicalManualsMsg

### 12.1. Summary

Class [AisService.\\_40.Messages.Pp.GetPpLinkedTechnicalDataMsg](#) contains the properties which are necessary to call the web service method [GetPpLinkedTechnicalData](#) .

### 12.2. See also

[ServiceAd.GetPpLinkedTechnicalDataMsg\(...\)](#)

## 12.3. Detailed Module Documentation

### 12.3.1. Properties

- **string CompanyName**

Gets or sets the name of the company.

**Property-Value**

The name of the company.

- **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.

**- string Password**

Gets or sets the password.

**Property-Value**

The password.

**- string UserName**

Gets or sets the name of the user.

**Property-Value**

The name of the user.

**- 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.

## 13. GetPpLinkedWiringDiagramMsg

### 13.1. Summary

Class [AisService.\\_40.Messages.Pp.GetPpLinkedTechnicalDataMsg](#) contains the properties which are necessary to call the web service method [GetPpLinkedTechnicalData](#) .

### 13.2. See also

[ServiceAd.GetPpLinkedTechnicalDataMsg\(...\)](#)

### 13.3. Detailed Module Documentation

#### 13.3.1. Properties

**- string CompanyName**

Gets or sets the name of the company.

**Property-Value**

The name of the company.

**- 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.

**- string Password**

Gets or sets the password.

**Property-Value**

The password.

**- string UserName**

Gets or sets the name of the user.

**Property-Value**

The name of the user.

**- 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. GetPpListGenArtFilteredMsg

### 14.1. Summary

Class [AisService.\\_40.Messages.Pp.GetPpListMsg](#) contains the properties which are necessary to call the web service method [GetPpListGenArtFiltered](#) .

### 14.2. See also

[ServiceAd.GetPpListGenArtFiltered\(...\)](#)

### 14.3. Detailed Module Documentation

#### 14.3.1. Properties

**- string CompanyName**

Gets or sets the name of the company.

**Property-Value**

The name of the company.

**- string CountryCode**

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

**Property-Value**

The ISO country code.

**- int GenArtNo**

Filters the PP list by the given generic article number.

**Property-Value**

The generic article number.

**- Nullable<Int32> GenCritNo**

Filters the PP list by the given generic criterion number (Optional).

**Property-Value**

The generic criterion number.

**- string GenCritValue**

Filters the PP list by the given generic criterion value (Optional).

**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 Password**

Gets or sets the password.

**Property-Value**

The password.

**- string UserName**

Gets or sets the name of the user.

**Property-Value**

The name of the user.

**- 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.

## 15. GetPpListMsg

## 15.1. Summary

Class [AisService.\\_40.Messages.Pp.GetPpListMsg](#) contains the properties which are necessary to call the web service method [GetPpList](#) .

## 15.2. See also

[ServiceAd.GetPpListMsg\(...\)](#)

## 15.3. Detailed Module Documentation

### 15.3.1. Properties

- **string** **CompanyName**

Gets or sets the name of the company.

**Property-Value**

The name of the company.

- **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** **Password**

Gets or sets the password.

**Property-Value**

The password.

- **string** **UserName**

Gets or sets the name of the user.

**Property-Value**

The name of the user.

- **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. GetPpListTextFilteredMsg

### 16.1. Summary

Class [AisService.\\_40.Messages.Pp.GetPpListMsg](#) contains the properties which are necessary to call the web service method [GetPpListTextFiltered](#) .

### 16.2. See also

[ServiceAd.GetPpListTextFiltered\(...\)](#)

### 16.3. Detailed Module Documentation

#### 16.3.1. Properties

- **string CompanyName**

Gets or sets the name of the company.

**Property-Value**

The name of the company.

- **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 Password**

Gets or sets the password.

**Property-Value**

The password.

- **string SearchText**

Filters the PP list by the given search text value.

**Property-Value**

The search text.

- **string UserName**

Gets or sets the name of the user.

**Property-Value**

The name of the user.

**- 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.

## 17. GetPpManualHtmlMsg

### 17.1. Summary

Class [AisService.\\_40.Messages.Pp.GetPpManualHtmlMsg](#) contains the properties which are necessary to call web service method [GetPpManualHtml](#) .

### 17.2. See also

[ServicePp.GetPpManualHtmlMsg\(...\)](#)

### 17.3. Detailed Module Documentation

#### 17.3.1. Properties

**- string CompanyName**

Gets or sets the name of the company.

**Property-Value**

The name of the company.

**- 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.;
```

**- string Password**

Gets or sets the password.

**Property-Value**

The password.

**- bool PrintView**

Determines whether a document for printing or the normal document should be created.

**Property-Value**

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

**- 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.

**- string UserName**

Gets or sets the name of the user.

**Property-Value**

The name of the user.

**- 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. GetVehicleHasPpMsg

## 18.1. Summary

Class [AisService.\\_40.Messages.Pp.GetVehicleHasPpMsg](#) contains the properties which are necessary to call the web service module check method [GetVehicleHasPp](#) .

## 18.2. See also

[ServiceAd.GetVehicleHasPpMsg\(...\)](#)

## 18.3. Detailed Module Documentation

### 18.3.1. Properties

- **string** **CompanyName**

Gets or sets the name of the company.

**Property-Value**

The name of the company.

- **string** **CountryCode**

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

**Property-Value**

The ISO country code.

- **string** **Password**

Gets or sets the password.

**Property-Value**

The password.

- **string** **UserName**

Gets or sets the name of the user.

**Property-Value**

The name of the user.

- **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. KindOfWorkTimeData

### 19.1. Summary

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

## 19.2. Detailed Module Documentation

### 19.2.1. Enums

- **DecimalWorkHours**

The work time is displayed in decimal work hours.

- **ManufacturerWorkPositions**

The work time is displayed in manufacturer work time units.

## 20. LItemMpKor

### 20.1. 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.

## 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 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 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.

## 21. PplItemMp

### 21.1. 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.

### 21.2. Detailed Module Documentation

#### 21.2.1. 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<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.

## 22. PpMainGroup

### 22.1. 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.

### 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 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.

## 23. PpManual

### 23.1. Summary

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

### 23.2. Detailed Module Documentation

#### 23.2.1. 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.

## 24. PpSubGroup

### 24.1. 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.

### 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 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.

## 25. QualCol

### 25.1. Summary

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

### 25.2. Detailed Module Documentation

#### 25.2.1. 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.

## 26. TmlItemMp

### 26.1. 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.

### 26.2. Detailed Module Documentation

#### 26.2.1. 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.

## 27. TmManual

### 27.1. Summary

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

## 27.2. Detailed Module Documentation

### 27.2.1. 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.

## 28. WdItemMp

### 28.1. 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.

## 28.2. Detailed Module Documentation

### 28.2.1. 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 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.

## 29. WdManual

### 29.1. Summary

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

### 29.2. Detailed Module Documentation

#### 29.2.1. 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 QualCoText**

Gets or sets the qualifier collection text.

**Property-Value**

The qualifier collection text.