Interface Description

ServicePp_SOAP

Contents

Module Details

ObjectModel

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<TmItemMp> 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<LtItemMpKor> 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<WdItemMp> 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<DiItemMp> 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 ItemMpId**

  Gets or sets the id of the item mount position.

  Property-Value

  The item mount position id.

- **string ItemMpImageName**

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

  Property-Value

  The the item mount position image name.

- **string ItemMpText**

  Gets or sets the text of the item mount position.

  Property-Value

  The item mount position text.

- **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. DiItemMp

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 ItemMpId**

  Gets or sets the id of the item mount position.

  Property-Value

  The item mount position id.

- **string ItemMpImageName**

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

  Property-Value

  The the item mount position image name.

- **string ItemMpText**

  Gets or sets the text of the item mount position.

Property-Value

The item mount position text.

- **List<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 ItemMpId**

    Gets or sets the id of the item mount position.

    Property-Value

    The item mount position id.

- **string ItemMpImageName**

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

Property-Value

The the item mount position image name.

- string ItemMpText

Gets or sets the text of the item mount position.

Property-Value

The item mount position text.

- 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 LtBodyQualColId**

  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 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. 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 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. 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 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. 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/Þ1234Þ.;
```

- **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. LtItemMpKor

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 ItemMpId**

  Gets or sets the id of the item mount position.

  Property-Value

  The item mount position id.

- **string ItemMpImageName**

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

  Property-Value

  The the item mount position image name.

- **string ItemMpText**

  Gets or sets the text of the item mount position.

  Property-Value

The item mount position text.

- 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. PpItemMp

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 ItemMpId

Gets or sets the id of the item mount position.

Property-Value

The item mount position id.

- string ItemMpImageName

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

Property-Value

The the item mount position image name.

- string ItemMpText

Gets or sets the text of the item mount position.

Property-Value

The item mount position text.

- List<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<PpItemMp> 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. TmItemMp

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 ItemMpId

Gets or sets the id of the item mount position.

Property-Value

The item mount position id.

- string ItemMpImageName

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

Property-Value

The the item mount position image name.

- string ItemMpText

Gets or sets the text of the item mount position.

Property-Value

The item mount position text.

- List<TmManual> Manuals

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

Property-Value

The manuals.

- int SortOrder

Gets or sets the order number of this topic item mount position. A collection

of topic item mount position will be sorted against this number.

Property-Value

The sort order.

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 ItemMpImageName**

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

Property-Value

The the item mount position image name.

- **string ItemMpText**

Gets or sets the text of the item mount position.

Property-Value

The item mount position text.

- **List<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 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.