Interface Description

ServiceWd_SOAP

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1. ServiceWd

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.

Note: Static wiring diagrams are not available through Manual-Methods anymore but through WdManual-Methods

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/ServiceWd.asmx

URL of WSDL file:

https://rmi-services.tecalliance.net/soap/ServiceWd.asmx?wsdl

1.4. Sequence Of Calls

First, check if there are any wiring diagrams (wd) available for your vehicle. To do so, call GetVehicleHasWd passing it your type id. To get all the wd information for one vehicle call GetWdManualList , which will provide a list with your requested information. To get a single manual in html format, call GetWdManualHtml . If a grafical selection based on HTML is planed to implement first call the method GetWdMaingroupHtml to fetch the HTML document for the main group graphics. The HTML document for the subgroups can be retrieved by calling the web service method GetWdSubgroupHtml .

1.5. Summary

Class ServiceWd provides the web service methods for the part wiring data.

1.6. Detailed Module Documentation

1.6.1. Methods

- **bool GetVehicleHasWd(GetVehicleHasWdMsg input)**

  Checks whether wiring diagrams exists for the given TecRMI type id.

  Parameter

  input - Instance of the message class GetVehicleHasWdMsg.

  Returns

  true - if wiring diagrams exists; otherwise false.

- **List<WdMainGroup> GetWdManualList(GetWdManualListMsg input)**

  Delivers a country specific list to generate a manual tree for the TecRMI type id in the selected language.

  Parameter

  input - Instance of the message class GetWdManualListMsg.

  Returns

  The topic tree for the part wiring diagrams.

- **List<WdMainGroup> GetWdManualListGenArtFiltered(GetWdManualListGenArtFilteredMsg input)**

  Delivers a country specific list to generate a manual tree for the TecRMI type id in the selected language filtered by generic article.

  Parameter

  input - Instance of the message class GetWdManualListGenArtFilteredMsg.

  Returns

  The topic tree for the part wiring diagrams.

- List<**WdMainGroup**> GetWdManualListTextFiltered(**GetWdManualListTextFilteredMsg** input)

Delivers a country specific list to generate a manual tree for the TecRMI type id in the selected language filtered by text. Use method GetWdManualListTextFiltered to filter by text. Use method GetWdManualListGenArtFiltered to filter by generic articles.

Parameter

input - Instance of the message class GetWdManualListTextFilteredMsg.

Returns

The topic tree for the part wiring diagrams.

- string GetWdMainGroupHtml(**GetWdMainGroupHtmlMsg** input)

Delivers a string with country specific content which contains lines of HTML from which an HTML file for the main group can be generated.

Remarks

Link elements (hrefs) in the HTML code are enclosed in 'Þ' (U+00DE LATIN CAPITAL LETTER THORN) characters and consists of a letter followed by an item mount position id (itemMpId), e. g. Þw8683Þ. Those can be evaluated on the web server before the HTML is sent to the client, or handled in an embedded browser control using the relevant navigation events. Following letters where possible: w - indicates a link to 0..* other wiring diagram manual(s) followed by an item mount position id (itemMpId). To resolve the itemMpId and typeId combination to a set of manual ids call GetWdLinkedWiringDiagrams.
d - indicates a link to 0..* to other manual(s). To resolve the link id, link type and typeId combination to a set of manual ids call the methods GetWdLinkedPartPosition, GetWdlinkedDiagnostics and GetWdLinkedFuseRelais.

Parameter

input - Instance of the message class GetWdMainGroupHtmlMsg.

Returns

A string which contains lines of HTML.

- string GetWdSubGroupHtml(**GetWdSubGroupHtmlMsg** input)

Delivers a country specific string which contains HTML lines from which an HTML file for the sub group can be generated.

Remarks

Link elements (hrefs) in the HTML code are enclosed in 'Þ' (U+00DE LATIN CAPITAL LETTER THORN) characters and consists of a letter followed by an item mount position id (itemMpId), e. g. Þw8683Þ. Those can be evaluated on the web server before the HTML is sent to the client, or handled in an embedded browser control using the relevant navigation events. Following letters where possible: w - indicates a link to 0..* other wiring diagram manual(s) followed by an item mount position id (itemMpId). To resolve the itemMpId and

typeId combination to a set of manual ids call GetWdLinkedWiringDiagrams.

d - indicates a link to 0..* to other manual(s). To resolve the link id, link type and typeId combination to a set of manual ids call the methods GetWdLinkedPartPosition, GetWdlinkedDiagnostics and GetWdLinkedFuseRelais.

Parameter

input - Instance of the message class GetWdSubGroupHtmlMsg.

Returns

A string which contains lines of HTML.

- **string GetWdManualHtml(GetWdManualHtmlMsg input)**

Delivers a country specific string which contains HTML lines from which an HTML file for the manual can be generated.

Remarks

Link elements (hrefs) in the HTML code are enclosed in 'Þ' (U+00DE LATIN CAPITAL LETTER THORN) characters and consists of a letter followed by an item mount position id (itemMpId), e. g. Þw8683Þ. Those can be evaluated on the web server before the HTML is sent to the client, or handled in an embedded browser control using the relevant navigation events. Following letters where possible: w - indicates a link to 0..* other wiring diagram manual(s) followed by an item mount position id (itemMpId). To resolve the itemMpId and typeId combination to a set of manual ids call GetWdLinkedWiringDiagrams.

d - indicates a link to 0..* to other manual(s). To resolve the link id, link type and typeId combination to a set of manual ids call the methods GetWdLinkedPartPosition, GetWdlinkedDiagnostics and GetWdLinkedFuseRelais.

Parameter

input - Instance of the message class GetWdManualHtmlMsg.

Returns

A string which contains lines of HTML.

- **List<String> GetImageNamesForWdManual(GetImageNamesForWdManualMsg input)**

Delivers a collection of strings which contains the names of the images which where used in the given manual.

Parameter

input - Instance of the message class GetImageNamesForWdManualMsg.

Returns

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

- **Byte[] GetWdImage(**GetWdImageMsg **input)**

  Returns a byte array which contains the requested wiring diagram image.

  Parameter

  input - Instance of the message class GetWdImageMsg.

  Returns

  A array which contains the data of the requested image.

- **WdItemMp** **GetWdLinkedWiringDiagrams(**GetWdLinkedWiringDiagramsMsg **input)**

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

  Parameter

  input - Instance of the message class GetWdLinkedWiringDiagramsMsg.

  Returns

  The linked wiring diagram manuals.

- **List<**FrBoxItemMp**> GetWdLinkedFuseRelais(**GetWdLinkedFuseRelaisMsg **input)**

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

  Parameter

  input - Instance of the message class GetWdLinkedFuseRelaisMsg.

  Returns

  The linked fuse and relay manuals.

  Exception

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

- **List<**PpItemMp**> GetWdLinkedPartPosition(**GetWdLinkedPartPositionMsg **input)**

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

  Parameter

  input - Instance of the message class GetWdLinkedpartPositionMsg.

  Returns

  The linked part position manuals.

Exception

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

- List<DiItemMp> GetWdlinkedDiagnostics(GetWdlinkedDiagnosticsMsg input)

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

Parameter

input - Instance of the message class GetWdlinkedDiagnosticsMsg.

Returns

The linked diagnostic manuals.

Exception

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

Object Model

1. DiItemMp

1.1. 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.

1.2. Detailed Module Documentation

1.2.1. 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.

2. DiValue

2.1. 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.

2.2. Detailed Module Documentation

2.2.1. 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.

3. FrBoxConfiguration

3.1. Summary

Represents a specific configuration of a fuse and relays box.

3.2. Detailed Module Documentation

3.2.1. 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.

4. FrBoxItemMp

4.1. Summary

Represents configuration settings of a fuse and relays box.

4.2. Detailed Module Documentation

4.2.1. 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.

5. GetImageNamesForWdManualMsg

5.1. Summary

Class AisService._40.Messages.Wd.GetImageNamesForWdManualMsg contains the properties which
are necessary to call web service methods GetImageNamesForWdManual .

5.2. See also

ServiceWd.GetImageNamesForWdManual(...)

5.3. Detailed Module Documentation

5.3.1. Properties

- string CompanyName

Gets or sets the name of the company.

Property-Value

The name of the company.

- 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.

6. GetVehicleHasWdMsg

6.1. Summary

Class AisService._40.Messages.Wd.GetVehicleHasWdMsg contains the properties which are necessary to call the web service module check methods.

6.2. See also

ServiceWd.GetVehicleHasWd(...)

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.

- **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. GetWdImageMsg

7.1. Summary

Class AisService._40.Messages.Wd.GetWdImageMsg contains the properties which are necessary to call the web service methods GetWdImage .

7.2. See also

ServiceWd.GetWdImage(...)

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. GetWdlinkedDiagnosticsMsg

8.1. Summary

Class AisService._40.Messages.Wd.GetWdlinkedDiagnosticsMsg contains the properties which are necessary to call web service method GetWdlinkedDiagnostics .

8.2. See also

GetWdlinkedDiagnostics(...)

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.

- **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> diComponentTypeId**

Gets or sets the identifier of the component type.

Property-Value

The identifier of the component type.

- **int diItemId**

Gets or sets the identifier of the item.

Property-Value

The identifier of the item.

- **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. GetWdLinkedFuseRelaisMsg

9.1. Summary

Class AisService._40.Messages.Wd.GetWdLinkedFuseRelaisMsg contains the properties which are necessary to call web service method GetWdLinkedFuseRelais .

9.2. See also

ServiceWd.GetWdLinkedFuseRelais(...)

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 componentTypeId**

  Gets or sets the component type id.

  Property-Value

  The component type id.

- **string CountryCode**

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

  Property-Value

  The ISO country code.

- **string LanguageCode**

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

  Property-Value

  The ISO language code.

- **int linkId**

  Gets or sets the identifier of the link.

  Property-Value

  The link id.

- **KindOfLinkTypes linkType**

  Gets or sets the type of the link.

Property-Value

The type of the link.

- 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. GetWdLinkedPartPositionMsg

10.1. Summary

Class AisService._40.Messages.Wd.GetWdLinkedPartPositionMsg contains the properties which are necessary to call web service method GetWdLinkedPartPosition .

10.2. See also

ServiceWd.GetWdLinkedPartPosition(...)

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.

- string LanguageCode

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

Property-Value

The ISO language code.

- int linkedId

Gets or sets the identifier of the link.

Property-Value

The link id.

- KindOfLinkTypes linkType

Gets or sets the type of the link.

Property-Value

The type of the link.

- 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. GetWdLinkedWiringDiagramsMsg

11.1. Summary

Class AisService._40.Messages.Wd.GetWdLinkedWiringDiagramsMsg contains the properties which are necessary to call the web service methods GetWdLinkedWiringDiagrams .

11.2. See also

ServiceWd.GetWdLinkedWiringDiagrams(...)

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.

- **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.

- **int ItemMpId**

Gets or sets the TecRMI item mount position id.

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

Property-Value

The item mount position id.

- **string 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. GetWdMainGroupHtmlMsg

12.1. Summary

Class AisService._40.Messages.Wd.GetWdMainGroupHtmlMsg contains the properties which are necessary to call web service method GetWdMainGroupHtml .

12.2. See also

ServiceWd.GetWdMainGroupHtml(...)

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 ConsumerId**

  Unique identifier for end user which receive the called data.

  Property-Value

  Unique end user identifier.

- **string CountryCode**

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

  Property-Value

  The ISO country code.

- **string LanguageCode**

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

  Property-Value

  The ISO language code.

- **string LinkURL**

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

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

  Property-Value

  The link url.

  Example

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

- **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. GetWdManualHtmlMsg

13.1. Summary

Class AisService._40.Messages.Wd.GetWdManualHtmlMsg contains the properties which are necessary to call web service methods GetWdManualHtml .

13.2. See also

ServiceWd.GetWdManualHtml(...)

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 ConsumerId

Unique identifier for end user which receive the called data.

Property-Value

Unique end user identifier.

- string CountryCode

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

Property-Value

The ISO country code.

- **KindOfWorkTimeData** KindOfWorkTime

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

Property-Value

The kind of unit of the work time.

- **string LanguageCode**

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

Property-Value

The ISO language code.

- **string LinkURL**

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

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

Property-Value

The link url.

Example

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

- **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 optimised 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.

14. GetWdManualListGenArtFilteredMsg

14.1. Summary

Class AisService._40.Messages.Wd.GetWdImageMsg contains the properties which are necessary to call the web service method GetWdManualListGenArtFiltered

14.2. See also

ServiceWd.GetWdManualListGenArtFiltered(...)

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 WD manual list by the given generic article number.

Property-Value

The generic article number.

- **Nullable<Int32> GenCritNo**

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

Property-Value

The generic criterion number.

- **string GenCritValue**

Filters the WD manual 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. GetWdManualListMsg

15.1. Summary

Class AisService._40.Messages.Wd.GetWdManualListMsg is the base class for a few message classes and contains the properties which are necessary to call web service methods GetWdManualList

15.2. See also

ServiceWd.GetWdManualList(...)

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. GetWdManualListTextFilteredMsg

16.1. Summary

Class AisService._40.Messages.Wd.GetWdImageMsg contains the properties which are necessary to call the web service method GetWdManualListTextFiltered

16.2. See also

ServiceWd.GetWdManualListTextFiltered(...)

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 WD manual 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. GetWdSubGroupHtmlMsg

17.1. Summary

Class AisService._40.Messages.Wd.GetWdSubGroupHtmlMsg contains the properties which are necessary to call web service method GetWdSubGroupHtml .

17.2. See also

ServiceWd.GetWdSubGroupHtml(...)

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.

- **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.

- **int MaingroupId**

  Gets or sets the TecRMI topic main group id.

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

Property-Value
The topic main group id.

- 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. KindOfLinkTypes

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

18.2. 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/Þa1205Þ", where "someUrl/" is the link URL, "Þ" 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.

18.3. Detailed Module Documentation

18.3.1. 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.

- **WdItemMpId**

   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.

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. PpItemMp

20.1. 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.

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.

- **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.

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. QualCol

22.1. Summary

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

22.2. Detailed Module Documentation

22.2.1. 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.

23. WdItemMp

23.1. 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.

23.2. Detailed Module Documentation

23.2.1. 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.

24. WdMainGroup

24.1. Summary

Class **WdMainGroup** represents a main group for wiring data. In the topic tree hierarchy, main groups are on the topmost level. Each main group may have several sub groups 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 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<WdSubGroup> SubGroups

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

Property-Value

The sub groups.

25. WdManual

25.1. Summary

Class **WdManual** represents a manual for wiring data. 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 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.

26. WdSubGroup

26.1. Summary

Class **WdSubGroup** represents a sub group for wiring data. 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.

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 sub group. The portal database must be available to provide information data.

  Property-Value

  true if info data exists; otherwise, false.

- **List<WdItemMp> 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.