

Interface Description

ServiceWd_SOAP



Revision date: 25.08.2021

TecAlliance GmbH

Contents

Module Details

1. ServiceWd

ObjectModel

1. DiItemMp
2. DiValue
3. FrBoxConfiguration
4. FrBoxItemMp
5. GetImageNamesForWdManualMsg
6. GetVehicleHasWdMsg
7. GetWdImageMsg
8. GetWdlinkedDiagnosticsMsg
9. GetWdLinkedFuseRelaisMsg
10. GetWdLinkedPartPositionMsg
11. GetWdLinkedWiringDiagramsMsg
12. GetWdMainGroupHtmlMsg
13. GetWdManualHtmlMsg
14. GetWdManualListGenArtFilteredMsg
15. GetWdManualListMsg
16. GetWdManualListTextFilteredMsg
17. GetWdSubGroupHtmlMsg
18. KindOfLinkTypes
19. KindOfWorkTimeData
20. PpItemMp
21. PpManual
22. QualCol
23. WdItemMp
24. WdMainGroup
25. WdManual
26. WdSubGroup

Module Details

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 graphical selection based on HTML is planned 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 'P' (U+00DE LATIN CAPITAL LETTER THORN) characters and consists of a letter followed by an item mount position id (itemMpld), e. g. Pw8683P. 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 (itemMpld). To resolve the itemMpld and typeld 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 typeld 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 'P' (U+00DE LATIN CAPITAL LETTER THORN) characters and consists of a letter followed by an item mount position id (itemMpld), e. g. Pw8683P. 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 (itemMpld). To resolve the itemMpld and

typed 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 typed 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 (itemMpld), 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 (itemMpld). To resolve the itemMpld and typed 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 typed 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 were 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. DiltemMp

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 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.

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 QualCollId

Gets or sets the id of the qualifier collection.

Property-Value

The qualifier collection id.

- string QualColText

Gets or sets the text of the qualifier collection.

Property-Value

The qualifier collection text.

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 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.

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 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.

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 diltemId**

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 TypedId

Gets or sets the TecRMI type id which identifies a vehicle unique. The id can be fetched by using the ServiceVt web service.

Property-Value

The TecRMI type id.

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 ItemMpld**

Gets or sets the TecRMI item mount position id.

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

Property-Value

The item mount position id.

- **string 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/Ⓜ1234Ⓜ;
```

- **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/1234;
```

- 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/Ð1234Ð;
```

- **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/pa1205P", where "someUrl/" is the link URL, "p" is the link separator, "a" is the kind of link type represented as char and "1205" is the link id. The kind of link type determines how the link id has to be interpreted and, therefore, determines the target module the link is referencing. The enumerators can be casted into chars. Altogether, a link can be evaluated on the web server before the HTML is sent to the client, or handled in an embedded browser control using the relevant navigation events.

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.

- **WdItemMpld**
A link to an item mount position from the wiring diagrams module.
- **Unused_X**
Unused at the moment.
- **ImageLinkId**
A link from an image, currently used for partposition module.
- **Unused_Z**
Unused at the moment.

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. PplItemMp

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 ItemMplId**

Gets or sets the id of the item mount position.

Property-Value

The item mount position id.

- **string ItemMplImageName**

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

Property-Value

The the item mount position image name.

- **string ItemMpText**

Gets or sets the text of the item mount position.

Property-Value

The item mount position text.

- **List<[PpManual](#)> Manuals**

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

Property-Value

The manuals.

- **int SortOrder**

Gets or sets the order number of this topic item mount position. A collection of topic item mount position will be sorted against this number.

Property-Value

The sort order.

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 ItemMplId

Gets or sets the id of the item mount position.

Property-Value

The item mount position id.

- string ItemMplImageName

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

Property-Value

The the item mount position image name.

- string ItemMpText

Gets or sets the text of the item mount position.

Property-Value

The item mount position text.

- List<WdManual> Manuals

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

Property-Value

The manuals.

- int SortOrder

Gets or sets the order number of this topic item mount position. A collection of topic item mount position will be sorted against this number.

Property-Value

The sort order.

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 QualCollId**

Gets or sets the id of the qualifier collection.

Property-Value

The qualifier collection id.

- **string QualColText**

Gets or sets the qualifier collection text.

Property-Value

The qualifier collection text.

26. 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.