

Interface Description

ServiceMd_REST



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TecAlliance GmbH

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Module Details

1. MaintenanceController

1.1. Prerequisites

Some of the html documents could contain graphics in the .SVG format. So the system requirements for viewing html documents are: MS Internet Explorer v. 9.0 and higher
Mozilla Firefox 15 and higher

1.2. Sequence Of Calls

First of all, you should check whether there is maintenance data available for the currently selected vehicle. To perform this check, you simply call [VehicleHasMaintenance](#) which returns a boolean value indicating whether there is maintenance data (**true**) or not (**false**). Then you should choose the matching body of your vehicle from the return value of the method [BodiesForMaintenance](#) .

Next step is to call [SubGroups](#) to get a list of service main works and addition works for your vehicle.

If you want to get the work steps for an item call the method [WorkSteps](#) .

To get a maintenance plan you can either call [MaintenancePlanData](#) or [MaintenancePlanHtml](#) for the HTML version of the manual.

To get the manufacturers information your vehicle pass its type id to [MakeInfoManuals](#) . From this method you will get a list of manual ids in return, which you can use to call

`RestRMI.Areas.Tm.Controllers.ManualsController.ManualHtml(RestRMI.Areas.Tm.Models.ManualHtmlMsg)`.

1.3. Summary

Area [RestRMI.Areas.Md.Controllers.MaintenanceController](#) provides the web service methods for the part maintenance data. Select here main maintenance and extra maintenance work by mileage or running period.

1.4. Detailed Module Documentation

1.4.1. Properties

- **HttpContext ActionContext**
No description available
- **HttpConfiguration Configuration**
No description available
- **HttpContext ControllerContext**
No description available
- **string Ip**
Gets the IP.
- **ModelStateDictionary ModelState**

No description available

- **HttpRequestMessage Request**

No description available

- **HttpRequestContext RequestContext**

No description available

- **UrlHelper Url**

No description available

- **IPrincipal User**

No description available

1.4.2. Methods

- **bool VehicleHasMaintenance(VehicleHasMaintenanceMsg input)**

Checks whether the vehicle has service (maintenance) data.

Parameter

input - Instance of the message class VehicleHasMaintenanceMsg

Returns

true - if maintenance data exists; otherwise false.

- **IEnumerable<MdBodyQualCol> BodiesForMaintenance(BodiesForMaintenanceMsg input)**

Delivers a country specific list including all existing bodies for the typeId in the selected language.

Parameter

input - Instance of the message class BodiesForMaintenanceMsg

Returns

The maintenance data bodies.

- **IEnumerable<MdTmLinkedManual> MakeInfoManuals(MakeInfoManualsMsg input)**

Fetches the manual ids for selecting an existing manufacturer information as HTML from calling the method RestRMI.Areas.Tm.Controllers.ManualsController.ManualHtml(RestRMI.Areas.Tm.Models.ManualHtmlMsg).

Parameter

input - Instance of the message class MakeInfoManualsMsg

Returns

The manufacturer info manuals.

- **MdSubGroups SubGroups(SubGroupsMsg input)**

Delivers a country specific object to generate the maintenance topic tree for the TecRMI type id with the selected body and filter in the given language.

Parameter

input - Instance of the message class SubGroupsMsg

Returns

The service sub groups.

- IEnumerable<MdWorkPos> WorkSteps(WorkStepsMsg input)

Delivers a country specific list to generate a maintenance work position for the given vehicle, body, item mount position and kind of repair in the given language.

Parameter

input - Instance of the message class WorkStepsMsg

Returns

A maintenance work position.

- MdSubGroupWorks Works(WorksMsg input)

Delivers a country specific object to generate the maintenance topic tree for the vehicle type, the selected maintenance data body in the selected language and the related work steps info.

Parameter

input - Instance of the message class WorksMsg

Returns

The service sub groups and related work positions.

- MdServicePlan MaintenancePlanData(MaintenancePlanDataMsg input)

Delivers the country specific raw data object for creating the maintenance plan.

Parameter

input - Instance of the message class MaintenancePlanDataMsg

Returns

The maintenance plan data.

- string MaintenancePlanHtml(MaintenancePlanHtmlMsg input)

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

Parameter

input - Instance of the message class MaintenancePlanHtmlMsg

Returns

A string containing html lines for a html file of the service plan.

- bool GetVehicleHasMdServiceProposal(VehicleHasMdServiceProposalMsg input)

Checks if service finder is available for the selected vehicle.

Parameter

input - Instance of the message class VehicleHasMdServiceFinderMsg

Returns

true - if service finder data exists; otherwise false.

- KindOfGearBoxCodes[] PossibleGearboxCodes(PossibleGearboxCodesMsg input)

Maintenance possible gearbox codes.

Parameter

input - Instance of the message class PossibleGearboxCodesMsg

Returns

A KindOfGearBoxCodes[].

- CooPossibleFilterParameters PossibleCooGroupFilterParameters(PossibleCooGroupFilterParametersMsg input)

Maintenance possible coo group filter parameters.

Parameter

input - Instance of the message class PossibleCooGroupFilterParametersMsg

Returns

The CooPossibleFilterParameters.

- List<CooGroupQualCol> ServiceProposalCooGroups(ServiceProposalCooGroupsMsg input)

Maintenance service proposal coo groups.

Parameter

input - Instance of the message class ProposalCooGroupsMsg

Returns

A List<CooGroupQualCol>

- MdServiceProposal ServiceProposal(ServiceProposalMsg input)

Maintenance service proposal.

Parameter

input - Instance of the message class ProposalMsg

Returns

A MdServiceProposal.

Object Model

1. BodiesForMaintenanceMsg

1.1. Summary

Class [RestRMI.Areas.Md.Models.BodiesForMaintenanceMsg](#) contains the properties which are necessary to call web service methods BodiesForMaintenance(BodiesForMaintenanceMsg).

1.2. Detailed Module Documentation

1.2.1. Properties

- **string CountryCode**

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

Property-Value

The ISO country code.

- **string LanguageCode**

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

Property-Value

The ISO language code.

- **int TypeId**

Gets or sets the TecRMI type id which identifies a vehicle unique.

The id can be fetched by using the ServiceVt web service.

Property-Value

The TecRMI type id.

2. CheckboxChecked

2.1. Summary

Values that represent CheckboxChecked.

2.2. Detailed Module Documentation

2.2.1. Enums

- **Undefined**

An enum constant representing the undefined option.

- **Ok**

An enum constant representing the ok option.

Enum is used in each work step.

- **NotOk**

An enum constant representing the not ok option.

Enum is used in each work step

- **Fixed**

An enum constant representing the fixed option.

Enum is used in each work step

3. CooGroupDefaultFilter

3.1. Summary

Class object for coo group filter by vehicle equipment parameters.

3.2. Detailed Module Documentation

3.2.1. Properties

- **bool FilterValue**

Gets or sets a value indicating whether the filter value.

Property-Value

true if filter value, false if not.

- **KindOfCooGroupFilter KindOfFilter**

Gets or sets the kind of filter.

Property-Value

The kind of filter.

4. CooGroupQualCol

4.1. Summary

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

4.2. Detailed Module Documentation

4.2.1. Properties

- **int Coold**

Gets or sets the id of the cost of ownership group.

Property-Value

The coo id.

- **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.

5. CooPossibleFilterParameters

5.1. Summary

Contains information about the possible coo group filter parameters for a selected vehicle.

5.2. Detailed Module Documentation

5.2.1. Properties

- **bool IsFilterByEuroExhaustNormPossible**

Gets or sets a value indicating whether this object is filter by euro exhaust normalise possible.

Property-Value

true if this object is filter by euro exhaust normalise possible, false if not.

- **bool IsFilterByGearBoxCodePossible**

Gets or sets a value indicating whether this object is filter by gear box code possible.

Property-Value

true if this object is filter by gear box code possible, false if not.

- **bool IsFilterByRegistrationDatePossible**

Gets or sets a value indicating whether this object is filter by registration date possible.

Property-Value

true if this object is filter by registration date possible, false if not.

- **bool IsFilterByVinNumberPossible**

Gets or sets a value indicating whether this object is filter by vin number possible.

Property-Value

true if this object is filter by vin number possible, false if not.

- **List<KindOfCooGroupFilter> PossibleEquipmentFilter**

Gets or sets the possible equipment filter.

Property-Value

The possible equipment filter.

6. KindOfCooGroupFilter

6.1. Summary

Values that represent KindOfCooGroupFilter.

6.2. Detailed Module Documentation

6.2.1. Enums

- **Longlife**

An enum constant representing the longlife= 1001 option.

- **ParticleFilter**

An enum constant representing the particle filter= 1002 option.

- **StartStopSystem**

An enum constant representing the start stop system= 1003 option.

- **Aircondition**

An enum constant representing the aircondition= 1004 option.

- **TowCoupling**

An enum constant representing the tow coupling= 1005 option.

- **FuelAdditive_AddBlue**

An enum constant representing the fuel additive add blue= 1006 option.

- **SunRoof**

An enum constant representing the sun roof= 1007 option.

- **XenonHeadlamps**

An enum constant representing the xenon headlamps= 1008 option.

7. KindOfGearBoxCodes

7.1. Summary

Values that represent the kind of gear box codes.

7.2. Detailed Module Documentation

7.2.1. Enums

- **AutomaticGearBox**

An enum constant representing the automatic gear box option.

- **ManualGearBox**

An enum constant representing the manual gear box option.

- **AutomatedGearBox**

An enum constant representing the automatic shift gear box option.

8. KindOfLinkTypes

8.1. Summary

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

8.2. Remarks

The AuDaLib includes several methods that return HTML documents as strings. Some of the HTML documents may contain links. The **href** attribute of the links follows a certain scheme: e.g. href="someUrl/pa1205p", where "someUrl/" is the link URL, "p" is the link separator, "a" is the kind of link type represented as char and "1205" is the link id. The kind of link type determines how the link id has to be interpreted and, therefore, determines the target module the link is referencing. The enumerators can be casted into chars. Altogether, a link can be evaluated on the web server before the HTML is sent to the client, or handled in an embedded browser control using the relevant navigation events.

8.3. Detailed Module Documentation

8.3.1. Enums

- **None**

No link.

- **AdItemMpld**

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

- **FusesBoxItemMpld**

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.

- **TmItemMpld**

A link to an item mount position from the technical manuals module.

- **DiagnosticContentId**

Unused at the moment.

- **Unused_K**

Unused at the moment.

- **LockedItem**
A link to an item for which access is denied because the user has no permissions to access the referenced item.
- **TmManualId**
A link to a manual from the technical manuals module.
- **OeSparePartNo**
A link to a OE spare part no from a technical manual.
- **WdMainGroupId**
A link to main group from the wiring diagrams module.
- **Image**
A link to an image.
- **Unused_Q**
Unused at the moment.
- **Unused_R**
Unused at the moment.
- **BgSubGroupId**
A link to a sub group from the body graphics module.
- **VehicleTreeTypeId**
A link to a vehicle type from the vehicle tree module.
- **Unused_U**
Unused at the moment.
- **Unused_V**
Unused at the moment.
- **WdItemMpld**
A link to an item mount position from the wiring diagrams module.
- **Unused_X**
Unused at the moment.
- **ImageLinkId**
A link from an image, currently used for partposition module.
- **Unused_Z**
Unused at the moment.

9. KindOfMdDataSource

9.1. Summary

Indicates whether the received maintenance data are from the original manufacturer or from the TecAlliance certified Service.

9.2. Detailed Module Documentation

9.2.1. Enums

- **Oe**

Service data are those of the original manufacturer.

- **Tcs**

Service data based on TecAlliance certified service.

10. KindOfOptionalHeaderValue

10.1. Summary

Some of the HTML generation methods offer the possibility to pass different header values optionally. This enumeration specifies the kinds of header values that are allowed.

10.2. Detailed Module Documentation

10.2.1. Enums

- **Date**

The optional header value is a date.

- **Customer**

The optional header value is a customer.

- **PhoneNo**

The optional header value is a phone number.

- **Job**

The optional header value is a job.

- **No**

The optional header value is a number.

- **Mileage**

The optional header value is a milage.

- **Culture**

The culture for formating decimal values.

- **DecimalFormat**

The formating string for formatting decimal values

- **WorkTime**

An enum constant representing the work time option.

11. KindOfPrintViewEditingValue

11.1. Summary

indicates wich part of the print view gets edited

11.2. Detailed Module Documentation

11.2.1. Enums

- **ExcludeAD**
visibility option for adjustment data
- **ExcludeTM**
visibility option for technical manuals
- **ExcludeServicePlan**
visibility option for the service plan

12. KindOfValueMd

12.1. Summary

Values that represent KindOfValue.

12.2. Detailed Module Documentation

12.2.1. Enums

- **ServiceBookDigital**
An enum constant representing the availability of the service book option in digital form.
Expected value of data type bool.
- **ServiceBookPaper**
An enum constant representing the availability of the service book option in paper form.
Expected value of data type bool.
- **ServiceBookNone**
An enum constant representing no service book is available.
Expected value of data type bool.
- **OpenRecallsYes**
An enum constant representing the open recalls option 'yes'.
Expected value bool.
- **OpenRecallsNo**
An enum constant representing the open recalls option 'no'.
Expected value bool.
- **OpenRecallsDone**
An enum constant representing the open recalls option 'done'.
Expected value bool.
- **NextInspectionDate**
An enum represents the date for the next general inspection and vehicle emissions test.
Expected value of data type string in date format "yyyy/mm/dd".
- **PressureFrontLeft**
An enum represents the pressure of the front left tyre.

Expected value of data type float.

- **PressureFrontRight**

An enum represents the pressure of the front right tyre.

Expected value of data type float.

- **PressureRearLeft**

An enum represents the pressure of the rear left tyre.

Expected value of data type float.

- **PressureRearRight**

An enum represents the pressure of the rear right tyre.

Expected value of data type float.

- **PressureSpareWheel**

An enum represents the pressure of the spare wheel.

Expected value of data type float.

- **ProfileFrontLeft**

An enum represents the profile depth of the front left tyre.

Expected value of data type float.

- **ProfileFrontRight**

An enum represents the profile depth of the front right tyre.

Expected value of data type float.

- **ProfileRearLeft**

An enum represents the profile depth of the rear left tyre.

Expected value of data type float.

- **ProfileRearRight**

An enum represents the profile depth of the rear right tyre

Expected value of data type float.

- **ProfileSpareWheel**

An enum represents the profile depth of the spare tyre.

Expected value of data type float.

- **ServiceToIntervalDisplay**

An enum constant representing the check box for the next service option.

Expected value of data type boolean.

- **MileageForNextService**

An enum constant representing the mileage option for the next service.

Expected value of data type integer.

- **DateForNextService**

An enum constant representing the date for the next service .

Expected value of data type string in date format "yyyy/mm/dd".

- **Remark**

An enum constant representing the remark option.

Expected value of data type string.

- **DateOrderCarriedOut**

An enum constant representing the date order carried out option.

Expected value of data type string in date format "yyyy/mm/dd".

- **OrderCarriedOutBy**

An enum constant representing the order carried out by option.

Expected value of data type string.

13. KindOfWorkTimeData

13.1. Summary

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

13.2. Detailed Module Documentation

13.2.1. Enums

- **DecimalWorkHours**

The work time is displayed in decimal work hours.

- **ManufacturerWorkPositions**

The work time is displayed in manufacturer work time units.

14. MaintenancePlanDataMsg

14.1. Summary

Class [RestRMI.Areas.Md.Models.MaintenancePlanDataMsg](#) contains the properties which are necessary to call web service methods `MaintenancePlanData(MaintenancePlanDataMsg)`.

14.2. Detailed Module Documentation

14.2.1. Properties

- **List<Int32> AdditionalWorkIds**

Gets or sets a collection of additional work ids. The ids can be fetched by calling the webservice method `SubGroups(SubGroupsMsg)`.

Property-Value

The additional work ids.

- **int BodyQualCollId**

Gets or sets the body qualifier id 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 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.

- List<Int32> ServiceWorkIds

Gets or sets a collection of service main work ids. The ids can be fetched by calling the webservice method SubGroups(SubGroupsMsg).

Property-Value

The service work ids.

- 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. MaintenancePlanHtmlMsg

15.1. Summary

Class [RestRMI.Areas.Md.Models.MaintenancePlanHtmlMsg](#) contains the properties which are necessary to call web service methods MaintenancePlanHtml(MaintenancePlanHtmlMsg).

15.2. Detailed Module Documentation

15.2.1. Properties

- List<Int32> AdditionalWorkIds

Gets or sets a collection of additional work ids. The ids can be fetched by calling the webservice method SubGroups(SubGroupsMsg).

Property-Value

The additional work ids.

- **int BodyQualCollId**

Gets or sets the body qualifier id 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 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.

Property-Value

The link url.

Example

```
LinkUrl = "http://localhost/" // -> Generated link in documents:  
http://localhost/Ð1234Ð;
```

- **List<OptHeaderValue> OptionalHeaderValues**

Gets or sets a collection of optional header values. By passing values it is possible to display additional information on the html document like telephone number, date, job number, etc.

Remarks

The value of the KindOfHeaderValue property has to be unique in the collection. The possible values are the member of the AuDaLib.Interface.ObjectModel.Common.KindOfOptionalHeaderValue. enum.

Property-Value

The optional header values.

- List<MdOptionalValues> OptionalValues

Gets or sets a collection of optional values. By passing values it is possible to display additional information on the html document like the values for mileage for the next service, date the order carried out, remarks from the mechanics etc.

Property-Value

The value of the KindOfValue property has to be unique in the collection. The possible values are the member of the AuDaLib.Interface.ObjectModel.Common.KindOfValueMd. enum.

- List<MdOptionalWorkItemSelection> OptionalWorkItemSelection

Gets or sets a collection of optional work item selection to tick the checkboxes for 'ok', 'not ok' and 'fixed'. Passing WorkId, ManualId and OrderId as the key to identify the work.

The possible values of the property Checked for the array are member of the CheckboxChecked. enum.

Gets or sets the optional work item selection.

Property-Value

The optional work item selection.

- bool PrintView

Gets or sets a value indicating whether the document should be optimized for printing.

Property-Value

true if the document is conditioned for printing; otherwise, false.

- List<PrintViewEditingMsg> PrintViewEditingValues

Gets or sets a collection of print editing values. By transferring values, it is possible to select whether the entire maintenance plan should be displayed or only individual elements such as adjustment data, technical manuals or the work steps.

Remarks

The value of the PrintViewEditing property has to be unique in the collection. The possible values are the member of the AuDaLib.Interface.ObjectModel.MaintenanceData.KindOfPrintViewEditingValue. enum.

- List<Int32> ServiceWorkIds

Gets or sets a collection of service main work ids. The ids can be fetched by calling the webservice method SubGroups(SubGroupsMsg).

Property-Value

The service work ids.

- bool ShowTyreTable

Gets or sets a value indicating whether the document should contains a table where information about the tyres (eg. pressure or tread depth) can be listed or not.

Property-Value

true if the document should contains a tyres table; otherwise, false.

- 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. MakeInfoManualsMsg

16.1. Summary

Class [RestRMI.Areas.Md.Models.MakeInfoManualsMsg](#) contains the properties which are necessary to call web service methods `MakeInfoManuals(MakeInfoManualsMsg)`.

16.2. Detailed Module Documentation

16.2.1. Properties

- string ConsumerId

Unique identifier for end user which receive the called data.

Property-Value

Unique end user identifier.

- string CountryCode

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

Property-Value

The ISO country code.

- string LanguageCode

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

Property-Value

The ISO language code.

- int TypeId

Gets or sets the TecRMI type id which identifies a vehicle unique.

The id can be fetched by using the ServiceVt web service.

Property-Value

The TecRMI type id.

17. MdAddItemMpKor

17.1. Summary

Represents an item mount position along with a kind of repair and additional text for the maintenance data part of

the AuDaLib.

17.2. Detailed Module Documentation

17.2.1. Properties

- **string AddText**

Gets or sets the additional text.

Property-Value

The additional text.

- **bool InfoDataExists**

Gets or sets a value indicating whether there are information data existing for this item mount position.

The portal database must be available to provide information data.

Property-Value

true if info data exists; otherwise, false.

- **bool IsLocked**

Gets or sets a value indicating whether access to this item mount position is denied.

Property-Value

true if this item mount position is locked; otherwise, false.

- **int ItemMplId**

Gets or sets the id of the item mount position.

Property-Value

The item mount position id.

- **string ItemMplImageName**

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

Property-Value

The the item mount position image name.

- **string ItemMpText**

Gets or sets the text of the item mount position.

Property-Value

The item mount position text.

- **int KorId**

Gets or sets the id of the kind of repair.

Property-Value

The kind of repair id.

- string KorImageName

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

Property-Value

The image name of the kind of repair.

- string KorText

Gets or sets the text of the kind of repair.

Property-Value

The kind of repair text.

- int SortOrder

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

Property-Value

The sort order.

18. MdAddItemMpKorWorks

18.1. Summary

Represents an item mount position along with a kind of repair and additional text for the maintenance data part of the AuDaLib and a list of related work positions.

18.2. Detailed Module Documentation

18.2.1. Properties

- string AddText

Gets or sets the additional text.

Property-Value

The additional text.

- bool InfoDataExists

Gets or sets a value indicating whether there are information data existing for this item mount position.

The portal database must be available to provide information data.

Property-Value

true if info data exists; otherwise, false.

- bool IsLocked

Gets or sets a value indicating whether access to this item mount position is denied.

Property-Value

true if this item mount position is locked; otherwise, false.

- int ItemMplId

Gets or sets the id of the item mount position.

Property-Value

The item mount position id.

- string ItemMplImageName

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

Property-Value

The the item mount position image name.

- string ItemMpText

Gets or sets the text of the item mount position.

Property-Value

The item mount position text.

- int 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.

- List<MdWorkPos> WorkSteps

Gets or sets the work steps.

Property-Value

The work steps.

19. MdBodyQualCol

19.1. Summary

Represents a body qualifier collection for maintenance data. In general, the qualifier collection delivers a further differentiation for an item (in this case a vehicle type). Vehicle types may have different bodies (e.g. 3-door, 5-door) that can be referenced by the qualifier collection.

19.2. Detailed Module Documentation

19.2.1. 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.

20. MdExclWorkPos

20.1. Summary

Represents an exclusive work position for maintenance data work position. The selected main work position is a composition of all the exclusive work positions.

20.2. Detailed Module Documentation

20.2.1. Properties

- **bool IsCompositeTime**

Gets or sets a value indicating whether the work time of this instance is a net work time.

Property-Value

true if this instance is composite time; otherwise, false.

- **bool IsOnlyForReference**

Gets or sets a value indicating whether the work time of this instance is only for reference.

Property-Value

true if this instance is only for reference; otherwise, false.

- **bool IsTecRmiTime**

Gets or sets a value indicating whether the work time of this instance is defined by TecRMI.

Property-Value

true if the work time of this instance is adc time; otherwise, false.

- int ItemMpld

Gets or sets the id of the item mount position.

Property-Value

The item mount position id.

- string ItemMpText

Gets or sets the text of the item mount position.

Property-Value

The item mount position text.

- [KindOfWorkTimeData](#) KindOfWorkTimeData

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

Property-Value

The kind of work time data.

- int KorId

Gets or sets the id of the kind of repair.

Property-Value

The kind of repair id.

- string KorImage

Gets or sets the image of the kind of repair.

Property-Value

The kind of repair image.

- string KorText

Gets or sets the text of the kind of repair.

Property-Value

The kind of repair 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.

- **int WorkId**

Gets or sets the id of the work position.

Property-Value

The work position id.

- **string WorkText**

Gets or sets the text of the work position.

Property-Value

The work position text.

- **decimal WorkTime**

Gets or sets the work time.

Property-Value

The work time.

21. MdItemMpKor

21.1. Summary

Represents an item mount position along with a kind of repair for maintenance data.

21.2. Detailed Module Documentation

21.2.1. Properties

- **bool InfoDataExists**

Gets or sets a value indicating whether there are information data existing for this item mount position.

The portal database must be available to provide information data.

Property-Value

true if info data exists; otherwise, false.

- **bool IsLocked**

Gets or sets a value indicating whether access to this item mount position is denied.

Property-Value

true if this item mount position is locked; otherwise, false.

- **int ItemMpld**

Gets or sets the id of the item mount position.

Property-Value

The item mount position id.

- string ItemMplImageName

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

Property-Value

The the item mount position image name.

- string ItemMpText

Gets or sets the text of the item mount position.

Property-Value

The item mount position text.

- 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.

22. MdItemMpKorWorks

22.1. Summary

Represents an item mount position along with a kind of repair for maintenance data and a list of related work positions.

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 item mount position.

The portal database must be available to provide information data.

Property-Value

true if info data exists; otherwise, false.

- **bool IsLocked**

Gets or sets a value indicating whether access to this item mount position is denied.

Property-Value

true if this item mount position is locked; otherwise, false.

- **int ItemMpld**

Gets or sets the id of the item mount position.

Property-Value

The item mount position id.

- **string ItemMplImageName**

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

Property-Value

The the item mount position image name.

- **string ItemMpText**

Gets or sets the text of the item mount position.

Property-Value

The item mount position text.

- **int KorId**

Gets or sets the id of the kind of repair.

Property-Value

The kind of repair id.

- **string KorImageName**

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

Property-Value

The image name of the kind of repair.

- **string KorText**

Gets or sets the text of the kind of repair.

Property-Value

The kind of repair text.

- **int SortOrder**

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

Property-Value

The sort order.

- List<MdWorkPos> WorkSteps

Gets or sets the work steps.

Property-Value

The work steps.

23. MdOptExclWorkPos

23.1. Summary

Represents an optional exclusive work position for maintenance data work position which can only be selected in combination with its main labour times work position.

23.2. Detailed Module Documentation

23.2.1. Properties

- **bool IsCompositeTime**

Gets or sets a value indicating whether the work time of this instance is a net work time.

Property-Value

true if this instance is composite time; otherwise, false.

- **bool IsOnlyForReference**

Gets or sets a value indicating whether the work time of this instance is only for reference.

Property-Value

true if this instance is only for reference; otherwise, false.

- **bool IsTecRmiTime**

Gets or sets a value indicating whether the work time of this instance is defined by TecRMI.

Property-Value

true if the work time of this instance is adc time; otherwise, false.

- **int ItemMpld**

Gets or sets the id of the item mount position.

Property-Value

The item mount position id.

- **string ItemMpText**

Gets or sets the text of the item mount position.

Property-Value

The item mount position text.

- KindOfWorkTimeData KindOfWorkTimeData

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

Property-Value

The kind of work time data.

- int KorId

Gets or sets the id of the kind of repair.

Property-Value

The kind of repair id.

- string KorImage

Gets or sets the image of the kind of repair.

Property-Value

The kind of repair image.

- string KorText

Gets or sets the text of the kind of repair.

Property-Value

The kind of repair 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.

- int WorkId

Gets or sets the id of the work position.

Property-Value

The work position id.

- string WorkPositionNo

Gets or sets the number of the work position.

Property-Value

The work position number.

- **string WorkText**

Gets or sets the text of the work position.

Property-Value

The work position text.

- **decimal WorkTime**

Gets or sets the work time.

Property-Value

The work time.

24. MdOptionalValues

24.1. Summary

Represents all optional input fields of the service plan html.

24.2. Detailed Module Documentation

24.2.1. Properties

- **KindOfValueMd** KindOfValue

Gets or sets the kind of value.

Property-Value

Expected values from enum KindOfValueMd.

- **Object Value**

Gets or sets the value.

Property-Value

The value.

25. MdOptionalWorkItemSelection

25.1. Summary

A md optional work item selection.

25.2. Detailed Module Documentation

25.2.1. Properties

- **CheckboxChecked[]** Checked

Gets or sets the value.

Property-Value

The value.

- **int ManualId**

Gets or sets the identifier of the content.

Property-Value

The identifier of the content.

- **int OrderId**

Gets or sets the identifier of the order.

Property-Value

The identifier of the order.

- **int WorkId**

Gets or sets the kind of value.

Property-Value

The kind of value.

26. MdServicePlan

26.1. Summary

Represents a service plan for maintenance data.

26.2. Detailed Module Documentation

26.2.1. Properties

- List<[MdServicePlanWork](#)> **AdditionalWorkPositions**

Gets or sets a collection of additional work positions.

Property-Value

The additional work positions.

- [KindOfMdDataSource](#) **MdDataSource**

indicates whether the received data is from OE data or from a TecAlliance certified Service

- List<[MdServicePlanWork](#)> **ServiceWorkPositions**

Gets or sets a collection of service work positions.

Property-Value

The service work positions.

27. MdServicePlanPosition

27.1. Summary

Represents a position of a service plan for maintenance data.

27.2. Detailed Module Documentation

27.2.1. Properties

- **string Amount**

Gets or sets the amount.

Property-Value

The amount.

- **KindOfLinkTypes AmountLinkType**

Gets or sets the link type of the amount.

Property-Value

The link type of the amount.

- **Nullable<Int32> AmountLinkValue**

Gets or sets the the amount of the link value.

Property-Value

The link value of the amount.

- **KindOfLinkTypes PositionLinkType**

Gets or sets the link type of the position.

Property-Value

The link type of the position.

- **Nullable<Int32> PositionLinkValue**

Gets or sets the link value of the position.

Property-Value

The link value of the position.

- **string PositionText**

Gets or sets the text of the position.

Property-Value

The position text.

- **int SortNo**

Gets or sets the sort number.

Property-Value

The sort number.

28. MdServicePlanWork

28.1. Summary

Specifies the raw data of a maintenance plan.

28.2. Detailed Module Documentation

28.2.1. Properties

- List<[MdServicePlanPosition](#)> **ServicePlanPositions**

Gets or sets a collection of service plan positions.

Property-Value

The service plan positions.

- **int SortNr**

Gets or sets the sort number.

Property-Value

The sort number.

- **int WorkId**

Gets or sets the id of the work position.

Property-Value

The work id.

- **string WorkText**

Gets or sets the text of the work position.

Property-Value

The work text.

29. MdServiceProposal

29.1. Summary

A md service proposal.

29.2. Detailed Module Documentation

29.2.1. Properties

- **Nullable<Int32> LastKm**

Gets or sets the last kilometres.

Property-Value

The last kilometres.

- **Nullable<Int32> LastMonth**

Gets or sets the last month.

Property-Value

The last month.

- List<MdServiceProposalWorkPos> LastServiceBeforKmMonth

Gets or sets the last service befor kilometres month.

Property-Value

The last service befor kilometres month.

- int NextKm

Gets or sets the next kilometres.

Property-Value

The next kilometres.

- int NextMonth

Gets or sets the next month.

Property-Value

The next month.

- List<MdServiceProposalWorkPos> NextServiceAfterKmMonth

Gets or sets the next service after kilometres month.

Property-Value

The next service after kilometres month.

- 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.

30. MdServiceProposalWorkPos

30.1. Summary

A md service proposal work position.

30.2. Detailed Module Documentation

30.2.1. Properties

- **bool IsLocked**

Gets or sets a value indicating whether this object is locked.

Property-Value

true if this object is locked, false if not.

- **int ItemMpld**

Gets or sets the identifier of the item mp.

Property-Value

The identifier of the item mp.

- **string ItemMpText**

Gets or sets the item mp text.

Property-Value

The item mp text.

- **int KorId**

Gets or sets the identifier of the kor.

Property-Value

The identifier of the kor.

- **string KorText**

Gets or sets the kor text.

Property-Value

The kor text.

- **Nullable<Int32> QualColId**

Gets or sets the identifier of the qual col.

Property-Value

The identifier of the qual col.

- **string QualColText**

Gets or sets the qual col text.

Property-Value

The qual col text.

- **Nullable<Int32> WorkId**

Gets or sets the identifier of the work.

Property-Value

The identifier of the work.

31. MdSubGroups

31.1. Summary

Represents a sub group for maintenance data.

31.2. Detailed Module Documentation

31.2.1. Properties

- List<[MdAddItemMpKor](#)> **AdditionalWorks**

Gets or sets a collection of additional maintenance work positions.

Property-Value

The additional work positions.

- **bool IsMultipleServicesAllowed**

Indicate if multiple service work position selection is allowed or not.

Property-Value

true if multiple service work position selection is allowed, otherwise, false.

- **bool IsOnlyAdditionServiceAllowed**

Indicates if selection of addition service work position without a selected service main work position is allowed or not.

Property-Value

true if the only selection of addition service work positions are allowed; otherwise, false.

- List<[MdItemMpKor](#)> **Services**

Gets or sets the service list.

Property-Value

The service main work positions.

32. MdSubGroupWorks

32.1. Summary

Represents a sub group for maintenance data including info about work positions.

32.2. Detailed Module Documentation

32.2.1. Properties

- List<[MdAddItemMpKorWorks](#)> **AdditionalWorks**

Gets or sets a collection of additional maintenance work positions.

Property-Value

The additional work positions.

- bool IsMultipleServicesAllowed

Indicate if multiple service work position selection is allowed or not.

Property-Value

true if multiple service work position selection is allowed, otherwise, false.

- bool IsOnlyAdditionServiceAllowed

Indicates if selection of addition service work position without a selected service main work position is allowed or not.

Property-Value

true if the only selection of addition service work positions are allowed; otherwise, false.

- List<MdItemMpKorWorks> Services

Gets or sets the service list.

Property-Value

The service main work positions.

33. MdTmLinkedManual

33.1. Summary

Represents a technical manual which is linked from the maintenance part of the AuDaLib.

33.2. Detailed Module Documentation

33.2.1. Properties

- bool IsLocked

Gets or sets a value indicating whether access to this linked manual is denied.

Property-Value

true if this linked manual is locked; otherwise, false.

- 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.

34. MdWorkPos

34.1. Summary

Represents a work position for maintenance data part of the AuDaLib which contains all necessary information for selecting a work position for calculation.

34.2. Detailed Module Documentation

34.2.1. Properties

- List<[MdExclWorkPos](#)> **ExclusiveWorkPositions**

Gets or sets a collection of exclusive work positions.

Remarks

This collection is only for your information and contains the values from which the main labour times work position are composed.

Property-Value

The exclusive work positions.

- **bool IsCompositeTime**

Gets or sets a value indicating whether the work time of this instance is a net work time.

Property-Value

true if this instance is composite time; otherwise, false.

- **bool IsLocked**

Gets or sets a value indicating whether access to this generic work position is denied.

Property-Value

true if this generic work position is locked; otherwise, false.

- **bool IsOnlyForReference**

Gets or sets a value indicating whether the work time of this instance is only for reference.

Property-Value

true if this instance is only for reference; otherwise, false.

- **bool IsTecRmiTime**

Gets or sets a value indicating whether the work time of this instance is defined by TecRMI.

Property-Value

true if the work time of this instance is adc time; otherwise, false.

- int ItemMpld

Gets or sets the id of the item mount position.

Property-Value

The item mount position id.

- string ItemMpText

Gets or sets the text of the item mount position.

Property-Value

The item mount position text.

- KindOfWorkTimeData KindOfWorkTimeData

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

Property-Value

The kind of work time data.

- int KorId

Gets or sets the id of the kind of repair.

Property-Value

The kind of repair id.

- string KorImage

Gets or sets the image of the kind of repair.

Property-Value

The kind of repair image.

- string KorText

Gets or sets the text of the kind of repair.

Property-Value

The kind of repair text.

- List<MdOptExclWorkPos> OptionalExclusivePositions

Gets or sets a collection of optional exclusive work positions. These are optional additional labour times work positions

which can only be selected in combination with its main labour times work position.

Property-Value

The optional exclusive positions.

- 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.

- int WorkId

Gets or sets the id of the work position.

Property-Value

The work position id.

- string WorkPosNo

Gets or sets the number of the work position.

Property-Value

The work position number.

- string WorkText

Gets or sets the text of the work position.

Property-Value

The work position text.

- decimal WorkTime

Gets or sets the work time.

Property-Value

The work time.

35. OptHeaderValue

35.1. Summary

Class [RestRMI.Areas.Basket.Models.OptHeaderValue](#) contains two properties which can be used to add an addition information to generated HTML documents, e.g. the maintenance plan from the web service method `MaintenancePlanHtml(MaintenancePlanHtmlMsg)`. To display a phone number of example on the service plan set the property `RestRMI.Areas.Basket.Models.OptHeaderValue.KindOfHeaderValue` to `PhoneNo` and the property `RestRMI.Areas.Basket.Models.OptHeaderValue.HeaderValue` to the desired phone number. The possible values are the member of the [AuDaLib.Interface.ObjectModel.Common.KindOfOptionalHeaderValue](#) .

35.2. Example

```
var optHValue = new OptHeaderValue();  
optHValue.KindOfHeaderValue = KindOfOptionalHeaderValue.PhoneNo;  
optHValue.HeaderValue = "+49 7934 99299 - 0";
```

35.3. Detailed Module Documentation

35.3.1. Properties

- **string HeaderValue**

Gets or sets the value for the kind that is passed through the property

KindOfHeaderValue.

Property-Value

The header value.

- **KindOfOptionalHeaderValue KindOfHeaderValue**

Gets or sets the kind of header value which describes what kind of information is passed through the property HeaderValue.

Possible values are the members of the enum

KindOfOptionalHeaderValue.

Property-Value

The kind of header value.

36. PossibleCooGroupFilterParametersMsg

36.1. Summary

A maintenance possible coo group filter parameters message.

36.2. Detailed Module Documentation

36.2.1. Properties

- **string CountryCode**

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

Property-Value

The ISO country code.

- **KindOfVehicleEntityId KindOfVehicleTreeId**

Gets or sets the kind of vehicle tree id.

Property-Value

The kind of vehicle tree id.

- **int TypeId**

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

Property-Value

The TecRMI type id.

37. PossibleGearboxCodesMsg

37.1. Summary

A maintenance possible gearbox codes message.

37.2. Detailed Module Documentation

37.2.1. Properties

- **string CountryCode**

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

Property-Value

The ISO country code.

- **KindOfVehicleEntityId** KindOfVehicleTreeId

Gets the kind of vehicle tree id.

Property-Value

The kind of vehicle tree id.

- **int TypeId**

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

Property-Value

The TecRMI type id.

38. PrintViewEditingMsg

38.1. Summary

contains two values to edit the print view of the MaintenancePlan.

38.2. Detailed Module Documentation

38.2.1. Properties

- **bool EditingValue**

should the part be excluded or not

- **KindOfPrintViewEditingValue** KindOfPrintViewEditingKey

wich part of the print view should be edited

39. ServiceProposalCooGroupsMsg

39.1. Summary

A maintenance service proposal coo groups message.

39.2. Detailed Module Documentation

39.2.1. Properties

- **string CountryCode**

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

Property-Value

The ISO country code.

- **List<CooGroupDefaultFilter> EquipmentFilter**

Gets or sets the equipment filter.

Property-Value

The equipment filter.

- **Nullable<Int32> EuropeanExhaustEmissionStandard**

Gets or sets the european exhaust emission standard.

Property-Value

The european exhaust emission standard.

- **Nullable<DateTime> InitialRegistrationDate**

Gets or sets the initial registration date.

Property-Value

The initial registration date.

- **Nullable<KindOfGearBoxCodes> KindOfGearBox**

Gets or sets the kind of gear box.

Property-Value

The kind of gear box.

- **string LanguageCode**

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

Property-Value

The ISO language code.

- **int TypeId**

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

Property-Value

The TecRMI type id.

- **string Vin**

Gets or sets the vin.

Property-Value

The vin.

40. ServiceProposalMsg

40.1. Summary

A maintenance service proposal message.

40.2. Detailed Module Documentation

40.2.1. Properties

- **string ConsumerId**

Gets or sets the unique identifier for end user which receive the called data.

Property-Value

Unique end user identifier.

- **int CooGroupId**

Gets or sets the identifier of the coo group.

Property-Value

The identifier of the coo group.

- **string CountryCode**

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

Property-Value

The ISO country code.

- **int CurrentMileage**

Gets or sets the current mileage.

Property-Value

The current mileage.

- **DateTime InitalRegistrationDate**

Gets or sets the initial registration date.

Property-Value

The initial registration date.

- **KindOfVehicleEntityId KindOfVehicleTreeId**

Gets the identifier of the kind of vehicle tree.

Property-Value

The identifier of the kind of vehicle tree.

- **string LanguageCode**

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

Property-Value

The ISO language code.

- **int MdBodyQualColId**

Gets or sets the identifier of the md body qual col.

Property-Value

The identifier of the md body qual col.

- **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.

41. SubGroupsMsg

41.1. Summary

Class [RestRMI.Areas.Md.Models.SubGroupsMsg](#) contains the properties which are necessary to call web service methods SubGroups(SubGroupsMsg).

41.2. Detailed Module Documentation

41.2.1. Properties

- **int BodyQualColId**

Gets or sets the body qualifier id 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 CountryCode**

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

Property-Value

The ISO country code.

- **Nullable<Int32> GenArtNumber**

Gets or sets the generic article number.

Only if this contains a value and TextSearch is NULL or empty a search after the passed generic article is performed.

Property-Value

The generic article number.

- Nullable<Int32> GenCritNumber

Gets or sets the generic criterion number.

Property-Value

The generic criterion number.

- string GenCritValue

Gets or sets the generic criterion value.

Property-Value

The generic criterion value.

- string LanguageCode

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

Property-Value

The ISO language code.

- string TextSearch

Gets or sets the text search. If this isn't NULL or empty a search after this value will be performed.

Property-Value

The text search.

- int TypeId

Gets or sets the TecRMI type id which identifies a vehicle unique.

The id can be fetched by using the ServiceVt web service.

Property-Value

The TecRMI type id.

42. VehicleHasMaintenanceMsg

42.1. Summary

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

42.2. Detailed Module Documentation

42.2.1. Properties

- string CountryCode

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

Property-Value

The ISO country code.

- int TypeId

Gets or sets the TecRMI type id which identifies a vehicle unique.

The id can be fetched by using the ServiceVt web service.

Property-Value

The TecRMI type id.

43. VehicleHasMdServiceProposalMsg

43.1. Summary

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

43.2. Detailed Module Documentation

43.2.1. Properties

- **string CountryCode**

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

Property-Value

The ISO country code.

- **int 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.

44. WorksMsg

44.1. Summary

Class [RestRMI.Areas.Md.Models.WorksMsg](#) contains the properties which are necessary to call web service methods Works(WorksMsg).

44.2. Detailed Module Documentation

44.2.1. Properties

- **int BodyQualColld**

Gets or sets the body qualifier id 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 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.

- **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.

45. WorkStepsMsg

45.1. Summary

Class [RestRMI.Areas.Md.Models.WorkStepsMsg](#) contains the properties which are necessary to call the web service methods WorkSteps(WorkStepsMsg).

45.2. Detailed Module Documentation

45.2.1. Properties

- **int BodyQualCollId**

Gets or sets the body qualifier id 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 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.

- **int ItemMpld**

Gets or sets the topic tree id.

Property-Value

The topic tree id.

- **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.

- **int KorId**

Gets or sets the TecRMI kind of repair id.

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

Property-Value

The kind of repair id.

- **string LanguageCode**

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

Property-Value

The ISO language code.

- **int Typeld**

Gets or sets the TecRMI type id which identifies a vehicle unique.

The id can be fetched by using the ServiceVt web service.

Property-Value

The TecRMI type id.