

Interface Description

ServiceLt_REST



Revision date: 02.04.2025

TecAlliance GmbH

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Module Details

1. TimesController

1.1. Sequence Of Calls

First of all, you should check whether there are labour times data for your vehicle available. You can do this using the method [VehicleHasTimes](#) which returns a boolean value indicating whether there is labour times data (**true**) or not (**false**). Next you should select a matching body for your vehicle from the result of the method call [BodiesForTimes](#) . To get a list with all works for your vehicle, you can call [WorkList](#) passing the vehicle id and body id of your vehicle.

If you want to get the work steps for an item call [WorkSteps](#) . The result contains the work position it self and two properties. While the property **ExclusiveWorkPositions** is only for your information and contains the values from which the main labour times work position is composed, the property **OptionalExclusivePositions** contains optional additional labour times work positions which can only be selected in combination with its main labour times work position.

1.2. Summary

Area [RestRMI.Areas.Lt.Controllers.TimesController](#) provides the web service methods for the part labour times. Select here the repair items to calculate them together with the spare parts later on.

1.3. Detailed Module Documentation

1.3.1. 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
- **HttpContext RequestContext**
No description available
- **UrlHelper Url**
No description available

- IPrincipal User

No description available

1.3.2. Methods**- bool VehicleHasTimes(VehicleHasTimesMsg input)**

Checks whether the vehicle has labour times data.

Parameter

input - Instance of the message class VehicleHasTimesMsg

Returns

true - if there are labour times for the given vehicle; otherwise false.

- IEnumerable<LtBodyQualCol> BodiesForTimes(BodiesForTimesMsg input)

Delivers a country specific list including all existing bodies for the type id in the given language.

Parameter

input - Instance of the message class BodiesForTimesMsg

Returns

The labour times bodies.

- IEnumerable<LtPaintMainGroup> WorkList(WorkListMsg input, bool showPaint)

Delivers a country specific list to generate the labour times topic tree for the selected vehicle and body in the selected language. The result can be filtered by passing a search string to the property searchText.

Parameters

input - Instance of the message class WorkListMsg

showPaint - Enable Paint.

Returns

The topic tree of the labour time works.

- IEnumerable<LtWorkPos> WorkSteps(WorkStepsMsg input)

Delivers a country specific list to generate a labour times work position for the given type id, body id, item mount position id and kind of repair id in the selected language.

Parameter

input - Instance of the message class WorkStepsMsg

Returns

The labour times work position.

- IEnumerable<LtWorkPosSuggestion> WorkStepsSuggestedWork(WorkStepsMsg input)

Enumerates work steps suggested work in this collection.

Parameter

input - Instance of the message class WorkStepsMsg

Returns

An enumerator that allows foreach to be used to process work steps suggested work in this collection.

- IEnumerable<LtWorkPosWithQualifiers> WorkStepsIncludingQualifiers(WorkStepsIncludingQualifiersMsg input)

Delivers a country specific list to generate a labour times work position for the given type id, body id, item mount position id and kind of repair id in the selected language. Including a list where the Qualifier Collection identifier is split into its parts. If this split list should be used to filter out not suitable work steps, if there is no exact filter match use the work step labeled with the qualifier collection standard.

Parameter

input - Instance of the message class WorkStepsIncludingQualifiersMsg

Returns

The labour times work position.

- IEnumerable<LtWorkPos> WorkStepsForSubgroup(WorkStepsForSubgroupMsg input)

Delivers a country specific list to generate a labour times work position for the given type id, body id, subgroup id and kind of repair id in the selected language.

Parameter

input - Instance of the message class WorkStepsForSubgroupMsg

Returns

An enumerator that allows foreach to be used to process work steps for subgroup in this collection.

- IEnumerable<LtWorkPosSuggestion> WorksStepsSuggestedWorkForSubGroup(WorkStepsForSubgroupMsg input)

Enumerates works steps suggested work for sub group in this collection.

Parameter

input - Instance of the message class WorkStepsForSubgroupMsg

Returns

An enumerator that allows foreach to be used to process works steps suggested work for sub group in this collection.

- LItemMpKorRawTools RawTools(RawToolsMsg input)

/// Returns the information about required specials tools which are necessary to do the selected work position.

Parameter

input - Instance of message classRawToolsMsg

Returns

Information about required special tools to do the selected work.

- List<LItemMpKorRawToolsForWorks> RawToolsForWorkIds(RawToolsForWorkIdsMsg input)

Returns the information about required specials tools which are necessary to do the passed work ids.

Parameter

input - Instance of message classRawToolsMsg

Returns

Information about required special tools to do the selected work.

Object Model

1. BodiesForTimesMsg

1.1. Summary

Class [RestRMI.Areas.Lt.Models.BodiesForTimesMsg](#) contains the properties which are necessary to call web service methods `BodiesForTimes(BodiesForTimesMsg)`.

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. KindOfWorkTimeData

2.1. Summary

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

2.2. Detailed Module Documentation

2.2.1. Enums

- **DecimalWorkHours**

The work time is displayed in decimal work hours.

- **ManufacturerWorkPositions**

The work time is displayed in manufacturer work time units.

3. LtBodyQualCol

3.1. Summary

Represents a body qualifier collection for labour times. 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) which can be referenced by the body qualifier collection.

3.2. Detailed Module Documentation

3.2.1. Properties

- **int QualColId**

Gets or sets the id of the qualifier collection.

Property-Value

The qualifier collection id.

- **string QualColText**

Gets or sets the text of the qualifier collection.

Property-Value

The qualifier collection text.

4. LtExclWorkPos

4.1. Summary

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

4.2. Detailed Module Documentation

4.2.1. 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 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.

- **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.

5. LtItemMpKorRawTools

5.1. Summary

Data model for a raw tool

5.2. Detailed Module Documentation

5.2.1. Properties

- **int ItemMpid**

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.

- **int KorId**

Gets or sets the id of the kind of repair.

Property-Value

The kind of repair id.

- **string KorText**

Gets or sets the text of the kind of repair.

Property-Value

The kind of repair text.

- **List<LtTmRawTools> RawTools**

Gets or sets a collection of LtTmRawTools which contains the available raw tools with various qualifiers for a manual.

Property-Value

The raw tools.

6. LtItemMpKorRawToolsForWorks

6.1. Summary

Data model for a raw tool

6.2. Detailed Module Documentation

6.2.1. Properties

- **int BodyQualColld**

Gets or sets the body qualifier collection Id.

Property-Value

The identifier of the body qualifier collection.

- **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.

- **int KorId**

Gets or sets the id of the kind of repair.

Property-Value

The kind of repair id.

- **string KorText**

Gets or sets the text of the kind of repair.

Property-Value

The kind of repair text.

- **List<LtTmRawTools> RawTools**

Gets or sets a collection of LtTmRawTools which contains the available raw tools with various qualifiers for a manual.

Property-Value

The raw tools.

- **int TypeId**

Gets or sets the TecRMI type id which identifies a vehicle unique. The id can be fetched by using the vehicle tree methods of this library.

Property-Value

The identifier of the type.

- **int WorkId**

Gets or sets the identifier of the work.

Property-Value

The identifier of the work.

7. LtOptExclWorkPos

7.1. Summary

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

7.2. Detailed Module Documentation

7.2.1. 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.

8. LtPaintItemMpKor

8.1. Summary

Represents an item mount position along with a kind of repair for labour times. In the topic tree hierarchy, item mount positions are children of sub groups. The same item mount position might also be a child of several different sub groups making the topic tree rather a directed acyclic graph than a tree.

8.2. Detailed Module Documentation

8.2.1. 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.

- bool IsPaintAllowed

Determines if this item mount position along with a kind of repair for labour times can be passed to paint.

Remarks

If this property returns true, then the method 'IAuDaLib.GetPaintWorkStepSettings' can be called with the corresponding parameters.

- 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.

9. LtPaintMainGroup

9.1. Summary

Represents a main group for labour times. In the topic tree hierarchy, main groups are on the topmost level. Each main group may have several sub groups as children.

9.2. Detailed Module Documentation

9.2.1. 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<LtPaintSubGroup> SubGroups**

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

Property-Value

The sub groups.

10. LtPaintSubGroup

10.1. Summary

Represents a sub group for labour times. 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.

10.2. Detailed Module Documentation

10.2.1. 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<LtPaintItemMpKor> 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.

11. LtTmRawTool

11.1. Summary

Class **LtTmRawTool** contains detailed informations of a raw tool.

11.2. Detailed Module Documentation

11.2.1. Properties

- **string ImageName**

Gets or sets the name of the image.

Property-Value

The name of the image.

- **int RawToolId**

Gets or sets the id of the raw tool.

Property-Value

The raw tool id.

- **string RawToolName**

Gets or sets the name of the raw tool.

Property-Value

The name of the raw tool.

- **string RawToolNumber**

Gets or sets the number of the raw tool.

Property-Value

The raw tool number.

12. LtTmRawTools

12.1. Summary

Contains raw tools of a specific manual

12.2. Detailed Module Documentation

12.2.1. Properties

- **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.

- List<LtTmRawTool> RawTools

Gets or sets a collection containing all available raw tools in the current manual context.

Property-Value

The available raw tools.

- int TmQualColId

Gets or sets the id of the qualifier collection from the technical manual part.

Property-Value

The technical manual qualifier collection id.

- string TmQualColText

Gets or sets the text of the qualifier collection from the technical manual part.

Property-Value

The technical manuals qualifier collection text.

13. LtWorkPos

13.1. Summary

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

13.2. Detailed Module Documentation

13.2.1. Properties

- List<LtExclWorkPos> 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<LtOptExclWorkPos> 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 QualCollText**

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.

14. LtWorkPosSuggestion

14.1. Summary

Represents a work position for labour times part of the AuDaLib which contains all necessary information for selecting a work position for calculation. Contains additionally suggested work positions related to a work position.

14.2. inheritdoc

14.3. Detailed Module Documentation

14.3.1. Properties

- List<LtExclWorkPos> 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<LtOptExclWorkPos>](#) 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 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.

- List<WorkPosData> SuggestedWorkPositions

Gets or sets the suggested work positions.

Property-Value

The suggested work positions.

- 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.

15. LtWorkPosWithQualifiers

15.1. Summary

Represents a work position for labour times part of the AuDaLib which contains all necessary information for selecting a work position for calculation. Including a list where the Qualifier Collection identifier is split into its

parts.

15.2. Detailed Module Documentation

15.2.1. Properties

- **List<LtExclWorkPos> 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<[LtOptExclWorkPos](#)> 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.

- List<[QualifierData](#)> Qualifiers

Gets or sets the collection qualifiers where the qualifier collection identifier is build up.

Property-Value

The individual qualifiers of the QualCollid.

- **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.

16. QualifierData

16.1. Summary

Class **QualifierData** represents a single qualifier. Any qualifier collection is build up from such single qualifiers.

16.2. Detailed Module Documentation

16.2.1. Properties

- **int QualifierGroupId**

Gets or sets the id of the qualifier group.

Property-Value

The qualifier group id.

- **string QualifierGroupName**

Gets or sets the name of the qualifier group.

Property-Value

The name of the qualifier group.

- int QualifierId

Gets or sets the id of the qualifier.

Property-Value

The qualifier id.

- string QualifierText

Gets or sets the text of the qualifier.

Property-Value

The qualifier text.

17. RawToolsForWorkIdsMsg

17.1. Summary

Class [RestRMI.Areas.Lt.Models.RawToolsForWorkIdsMsg](#) contains the properties which are necessary to call the web service methods `RawToolsForWorks(RawToolsForWorksMsg)`.

17.2. Detailed Module Documentation

17.2.1. 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.

- List<Int32> WorkIds

Gets or sets a collection with the ids of the selected work positions. This ids can be fetched by using the web service methods `ServiceMd.GetMdWorkSteps(...)` and `ServiceLt.GetLtWorkSteps(...)`

Property-Value

The selected work position ids.

18. RawToolsMsg

18.1. Summary

Class [RestRMI.Areas.Lt.Models.RawToolsMsg](#) contains the properties which are necessary to call the web service methods RawTools(RawToolsMsg).

18.2. Detailed Module Documentation

18.2.1. 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.

- **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.

- **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.

19. VehicleHasTimesMsg

19.1. Summary

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

19.2. Detailed Module Documentation

19.2.1. 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.

20. WorkListMsg

20.1. Summary

Class [RestRMI.Areas.Lt.Models.WorkListMsg](#) contains the properties which are necessary to call web service methods `tWorkList(WorkListMsg)`.

20.2. Detailed Module Documentation

20.2.1. 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.

- Nullable<Int32> GenArtNumber

Gets or sets the generic article number.

Only if this contains a value and SearchText 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 SearchText

Filters the the labour times work list by the given search text value. If this isn't NULL or empty a search after this value will be performed.

Property-Value

The search text.

- 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.

21. WorkPosData

21.1. Summary

Represents work position data. This class forms a common base for the more specific work position data classes.

21.2. Detailed Module Documentation

21.2.1. 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.

22. WorkStepsForSubgroupMsg

22.1. Summary

Class [RestRMI.Areas.Lt.Models.WorkStepsForSubgroupMsg](#) contains the properties which are necessary to call the web service methods `WorkStepsForSubgroup(WorkStepsForSubgroupMsg)`.

22.2. Detailed Module Documentation

22.2.1. 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.

- **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 SubGroupId**

Gets or sets the TecRMI topic sub group id. The id can be fetched by using the topic tree methods from the respective modules.

Property-Value

The topic sub group 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.

23. WorkStepsIncludingQualifiersMsg

23.1. Summary

Class [RestRMI.Areas.Lt.Models.WorkStepsIncludingQualifiersMsg](#) contains the properties which are

necessary to call the web service methods `WorkStepsIncludingQualifiers(WorkStepsIncludingQualifiersMsg)`.

23.2. Detailed Module Documentation

23.2.1. 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 ItemMplId**

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.

- **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 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.

24. WorkStepsMsg

24.1. Summary

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

24.2. Detailed Module Documentation

24.2.1. 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 ItemMplId**

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.

- **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 TypId

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.