

# Interface Description

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ServiceLt\_SOAP



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TecAlliance GmbH

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## Module Details

### 1. ServiceLt

#### 1.1. General Remarks

The webservice methods uses message classes as parameter value. All these classes are derived from the base class `AisService._40.Messages.BaseMsg` and contains properties for the data which are necessary for calling the web service method. To calling a method create an instance of their message class, set the necessary data to the message class properties and pass it throw the web service method.

All methods require the "**CompanyName**", "**UserName**" and "**Password**" properties, containing the application-specific access parameters.

Some methods require the `LanguageCode` properties, a 2-letter message internationalization language code as defined by ISO 639-1. All text messages will be returned in the defined language. Only language codes returned by `GetLanguages(...)` in the TecRMI common webservice are valid.

Some methods require the `CountryCode` properties, a 2-letter data internationalization country code as defined by ISO 3166-1. All application data will be returned as it is available for this country. Only county codes returned by `GetCountries(...)` in the TecRMI common webservice are valid.

Some methods require the `ConsumerId` property. To this a unique value, which identifiers the customers users which uses the TecRMI webservice by the customers application has to be passed. The length of the `ConsumerId` property value is restricted to 50 characters and is used for access control and billing.

All methods send an error message if an exception occurred or the access to the web service was denied.

All methods that are documented to return a list return an array instead.

#### 1.2. Web service URL's

web service URL:

<https://rmi-services.tecalliance.net/soap/ServiceLt.asmx>

URL of WSDL file:

<https://rmi-services.tecalliance.net/soap/ServiceLt.asmx?wsdl>

#### 1.3. 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 [GetVehicleHasLt](#) 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 [GetBodiesForLt](#) . To get a list with all works for your vehicle, you can call [GetLtWorkList](#) passing the vehicle id and body id of your vehicle.

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

## 1.4. Summary

Class ServiceLt provides the web service methods for the part labour times.

## 1.5. Detailed Module Documentation

### 1.5.1. Methods

- **bool GetVehicleHasLt(GetVehicleHasLtMsg input)**

Checks whether the vehicle has labour times data.

#### Parameter

input - Instance of the message class GetVehicleHasLtMsg

#### Returns

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

- **List<LtBodyQualCol> GetBodiesForLt(GetBodiesForLtMsg 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 GetBodiesForLtMsg

#### Returns

The labour times bodies.

- **List<LtMainGroup> GetLtWorkList(GetLtWorkListMsg input)**

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. Use method GetLtWorkListGenArtFiltered to filter by generic articles.

#### Parameter

input - Instance of the message class GetLtWorkListMsg

#### Returns

The topic tree of the labour time works.

- **List<LtPaintMainGroup> GetLtWorkListPaint(GetLtWorkListPaintMsg input)**

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.

#### Parameter

input - Instance of the message class GetLtWorkListPaintMsg

**Returns**

The topic tree of the labour time works.

**- List<LtMainGroup> GetLtWorkListGenArtFiltered(GetLtWorkListGenArtFilteredMsg input)**

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

**Parameter**

input - Instance of the message class GetLtWorkListGenArtFilteredMsg

**Returns**

The topic tree of the labour time works.

**- List<LtWorkPos> GetLtWorkSteps(GetLtWorkStepsMsg 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 GetLtWorkStepsMsg

**Returns**

The labour times work position.

**- List<LtWorkPosSuggestion> GetLtWorkStepsSuggestedWork(GetLtWorkStepsMsg input)**

Gets It work steps suggested work.

**Parameter**

input - Instance of the message class GetLtWorkStepsMsg

**Returns**

The It work steps suggested work.

**Exception**

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

**- List<LtWorkPosWithQualifiers> GetLtWorkStepsIncludingQualifiers(GetLtWorkStepsIncludingQualifiersMsg 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 GetLtWorkStepsIncludingQualifiersMsg

**Returns**

The labour times work position.

**- List<LtWorkPos> GetLtWorkStepsPaint(GetLtWorkStepsPaintMsg 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 GetLtWorkStepsMsg

**Returns**

The labour times work position.

**- List<LtWorkPos> GetLtWorkStepsForSubgroup(GetLtWorkStepsForSubgroupMsg 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 GetLtWorkStepsForSubgroupMsg

**Returns**

The labour times work position.

**- List<LtWorkPosSuggestion> GetLtWorkStepsSuggestedWorkForSubGroup(GetLtWorkStepsForSubgroupMsg input)**

Gets It works steps suggested work for sub group.

**Parameter**

input - Instance of the message class GetLtWorkStepsForSubgroupMsg

**Returns**

The It works steps suggested work for sub group.

**Exception**

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

**- List<LtWorkPos> GetLtWorkStepsForSubgroupPaint(GetLtWorkStepsForSubgroupPaintMsg 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 GetLtWorkStepsForSubgroupPaintMsg

**Returns**

The labour times work position.

**- LtItemMpKorRawTools GetLtRawTools(GetLtRawToolsMsg input)**

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

**Parameter**

input - Instance of message classGetLtRawToolsMsg

**Returns**

Information about required special tools to do the selected work.

**- List<LtItemMpKorRawToolsForWorks> GetLtRawToolsForWorkIds(GetLtRawToolsForWorkIdsMsg input)**

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

**Parameter**

input - Instance of message classGetLtRawToolsMsg

**Returns**

Information about required special tools to do the selected work.

# Object Model

## 1. GetBodiesForLtMsg

### 1.1. Summary

Class [AisService.\\_40.Messages.Lt.GetBodiesForLtMsg](#) contains the properties which are necessary to call web service method [GetBodiesForLt](#) .

### 1.2. See also

[ServiceLt.GetBodiesForLt\(...\)](#)

### 1.3. Detailed Module Documentation

#### 1.3.1. Properties

- **string CompanyName**

Gets or sets the name of the company.

**Property-Value**

The name of the company.

- **string CountryCode**

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

**Property-Value**

The ISO country code.

- **string LanguageCode**

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

**Property-Value**

The ISO language code.

- **string Password**

Gets or sets the password.

**Property-Value**

The password.

- **string UserName**

Gets or sets the name of the user.

**Property-Value**

The name of the user.

- **int TypeID**

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

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

**Property-Value**

The TecRMI type id.

## 2. GetLtRawToolsForWorkIdsMsg

### 2.1. Summary

Class [AisService.\\_40.Messages.Lt.GetLtRawToolsForWorkIdsMsg](#) contains the properties which are necessary to call the web service method [GetLtRawTools](#) .

### 2.2. See also

[ServiceLt.GetLtRawTools\(...\)](#)

### 2.3. Detailed Module Documentation

#### 2.3.1. Properties

- **string CompanyName**

Gets or sets the name of the company.

**Property-Value**

The name of the company.

- **string ConsumerId**

Unique identifier for end user which receive the called data.

**Property-Value**

Unique end user identifier.

- **string CountryCode**

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

**Property-Value**

The ISO country code.

- **string LanguageCode**

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

**Property-Value**

The ISO language code.

- **string Password**

Gets or sets the password.

**Property-Value**

The password.

**- string UserName**

Gets or sets the name of the user.

**Property-Value**

The name of the user.

**- 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.

### 3. GetLtRawToolsMsg

#### 3.1. Summary

Class [AisService.\\_40.Messages.Lt.GetLtRawToolsMsg](#) contains the properties which are necessary to call the web service method [GetLtRawTools](#) .

#### 3.2. See also

[ServiceLt.GetLtRawTools\(...\)](#)

#### 3.3. Detailed Module Documentation

##### 3.3.1. Properties

**- string CompanyName**

Gets or sets the name of the company.

**Property-Value**

The name of the company.

**- string ConsumerId**

Unique identifier for end user which receive the called data.

**Property-Value**

Unique end user identifier.

**- string CountryCode**

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

**Property-Value**

The ISO country code.

**- 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.

**- string Password**

Gets or sets the password.

**Property-Value**

The password.

**- int ItemMpiID**

Gets or sets the TecRMI item mount position id.

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

**Property-Value**

The item mount position id.

**- string UserName**

Gets or sets the name of the user.

**Property-Value**

The name of the user.

**- int TypeId**

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

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

**Property-Value**

The TecRMI type id.

## 4. GetLtWorkListGenArtFilteredMsg

### 4.1. Summary

Class [AisService.\\_40.Messages.Lt.GetLtWorkListMsg](#) contains the properties which are necessary to call web service method [GetLtWorkListGenArtFiltered](#) .

### 4.2. See also

[ServiceLt.GetLtWorkListGenArtFiltered\(...\)](#)

### 4.3. Detailed Module Documentation

### 4.3.1. 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 CompanyName**

Gets or sets the name of the company.

**Property-Value**

The name of the company.

- **string CountryCode**

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

**Property-Value**

The ISO country code.

- **int GenArtNo**

Filters the LT work list by the given generic article number.

**Property-Value**

The generic article number.

- **Nullable<Int32> GenCritNo**

Filters the LT work list by the given generic criterion number (Optional).

**Property-Value**

The generic criterion number.

- **string GenCritValue**

Filters the LT work list by the given generic criterion value (Optional).

**Property-Value**

The generic criterion value.

- **string LanguageCode**

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

**Property-Value**

The ISO language code.

- **string Password**

Gets or sets the password.

**Property-Value**

The password.

**- string UserName**

Gets or sets the name of the user.

**Property-Value**

The name of the user.

**- int TypeID**

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

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

**Property-Value**

The TecRMI type id.

## 5. GetLtWorkListMsg

### 5.1. Summary

Class [AisService.\\_40.Messages.Lt.GetLtWorkListMsg](#) contains the properties which are necessary to call web service method [GetLtWorkList](#) .

### 5.2. See also

[ServiceLt.GetLtWorkList\(...\)](#)

### 5.3. Detailed Module Documentation

#### 5.3.1. 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 CompanyName**

Gets or sets the name of the company.

**Property-Value**

The name of the company.

**- string CountryCode**

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

**Property-Value**

The ISO country code.

**- string LanguageCode**

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

**Property-Value**

The ISO language code.

- **string Password**

Gets or sets the password.

**Property-Value**

The password.

- **string searchText**

Filters the LT work list by the given search text value.

**Property-Value**

The search text.

- **string UserName**

Gets or sets the name of the user.

**Property-Value**

The name of the user.

- **int TypeID**

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

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

**Property-Value**

The TecRMI type id.

## 6. GetLtWorkListPaintMsg

### 6.1. Summary

Class [AisService.\\_40.Messages.Lt.GetLtWorkListMsg](#) contains the properties which are necessary to call web service method [GetLtWorkList](#) .

### 6.2. See also

[ServiceLt.GetLtWorkList\(...\)](#)

### 6.3. Detailed Module Documentation

#### 6.3.1. 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 CompanyName**

Gets or sets the name of the company.

**Property-Value**

The name of the company.

**- string CountryCode**

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

**Property-Value**

The ISO country code.

**- string LanguageCode**

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

**Property-Value**

The ISO language code.

**- string Password**

Gets or sets the password.

**Property-Value**

The password.

**- string searchText**

Filters the LT work list by the given search text value.

**Property-Value**

The search text.

**- bool ShowPaint**

Enable Paint.

**Property-Value**

Boolean

**- string UserName**

Gets or sets the name of the user.

**Property-Value**

The name of the user.

**- int TypeID**

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

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

**Property-Value**

The TecRMI type id.

## 7. GetLtWorkStepsForSubgroupMsg

### 7.1. Summary

Class [AisService.\\_40.Messages.Lt.GetLtWorkStepsForSubgroupMsg](#) contains the properties which are necessary to call the web service method [GetLtWorkStepsForSubgroup](#) .

### 7.2. See also

[ServiceLt.GetLtWorkStepsForSubgroup\(...\)](#)

## 7.3. Detailed Module Documentation

### 7.3.1. Properties

- **int BodyQualCodId**

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 CompanyName**

Gets or sets the name of the company.

**Property-Value**

The name of the company.

- **string ConsumerId**

Unique identifier for end user which receive the called data.

**Property-Value**

Unique end user identifier.

- **string CountryCode**

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

**Property-Value**

The ISO country code.

- **KindOfWorkTimeData KindOfWorkTime**

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

**Property-Value**

The kind of unit of the work time.

- **string LanguageCode**

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

**Property-Value**

The ISO language code.

**- string Password**

Gets or sets the password.

**Property-Value**

The password.

**- 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.

**- string UserName**

Gets or sets the name of the user.

**Property-Value**

The name of the user.

## 8. GetLtWorkStepsForSubgroupPaintMsg

### 8.1. Summary

Class [AisService.\\_40.Messages.Lt.GetLtWorkStepsForSubgroupPaintMsg](#) contains the properties which are necessary to call the web service method [GetLtWorkStepsForSubgroupPaint](#) .

### 8.2. See also

[ServiceLt.GetLtWorkStepsForSubgroupPaint\(...\)](#)

### 8.3. Detailed Module Documentation

#### 8.3.1. Properties

**- int BodyQualCodId**

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 CompanyName**

Gets or sets the name of the company.

**Property-Value**

The name of the company.

**- string ConsumerId**

Unique identifier for end user which receive the called data.

**Property-Value**

Unique end user identifier.

**- string CountryCode**

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

**Property-Value**

The ISO country code.

**- [KindOfWorkTimeData](#) KindOfWorkTime**

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

**Property-Value**

The kind of unit of the work time.

**- string LanguageCode**

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

**Property-Value**

The ISO language code.

**- string Password**

Gets or sets the password.

**Property-Value**

The password.

**- bool ShowPaint**

Enable Paint.

**Property-Value**

Boolean

**- 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.

**- string UserName**

Gets or sets the name of the user.

**Property-Value**

The name of the user.

## 9. GetLtWorkStepsIncludingQualifiersMsg

### 9.1. Summary

Class [AisService.\\_40.Messages.Lt.GetLtWorkStepsIncludingQualifiersMsg](#) contains the properties which are necessary to call the web service method [GetLtWorkStepsIncludingQualifiers](#) .

### 9.2. See also

[ServiceLt.GetLtWorkStepsIncludingQualifiers\(...\)](#)

### 9.3. Detailed Module Documentation

#### 9.3.1. 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 CompanyName**

Gets or sets the name of the company.

**Property-Value**

The name of the company.

**- string ConsumerId**

Unique identifier for end user which receive the called data.

**Property-Value**

Unique end user identifier.

**- string CountryCode**

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

**Property-Value**

The ISO country code.

- **KindOfWorkTimeData KindOfWorkTime**

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

**Property-Value**

The kind of unit of the work time.

- **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.

- **string Password**

Gets or sets the password.

**Property-Value**

The password.

- **int ItemMpld**

Gets or sets the TecRMI item mount position id.

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

**Property-Value**

The item mount position id.

- **string UserName**

Gets or sets the name of the user.

**Property-Value**

The name of the user.

- **int 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.

## 10. GetLtWorkStepsMsg

### 10.1. Summary

Class [AisService.\\_40.Messages.Lt.GetLtWorkStepsMsg](#) contains the properties which are necessary to call the web service method [GetLtWorkSteps](#) .

### 10.2. See also

[ServiceLt.GetLtWorkSteps\(...\)](#)

## 10.3. Detailed Module Documentation

### 10.3.1. 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 CompanyName**

Gets or sets the name of the company.

**Property-Value**

The name of the company.

- **string ConsumerId**

Unique identifier for end user which receive the called data.

**Property-Value**

Unique end user identifier.

- **string CountryCode**

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

**Property-Value**

The ISO country code.

- **KindOfWorkTimeData KindOfWorkTime**

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

**Property-Value**

The kind of unit of the work time.

- **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.

**- string Password**

Gets or sets the password.

**Property-Value**

The password.

**- int ItemMpld**

Gets or sets the TecRMI item mount position id.

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

**Property-Value**

The item mount position id.

**- string UserName**

Gets or sets the name of the user.

**Property-Value**

The name of the user.

**- int 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.

## 11. GetLtWorkStepsPaintMsg

### 11.1. Summary

Class [AisService.\\_40.Messages.Lt.GetLtWorkStepsMsg](#) contains the properties which are necessary to call the web service method [GetLtWorkStepsPaint](#) .

### 11.2. See also

[ServiceLt.GetLtWorkStepsPaint\(...\)](#)

## 11.3. Detailed Module Documentation

### 11.3.1. 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 CompanyName**

Gets or sets the name of the company.

**Property-Value**

The name of the company.

- **string ConsumerId**

Unique identifier for end user which receive the called data.

**Property-Value**

Unique end user identifier.

- **string CountryCode**

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

**Property-Value**

The ISO country code.

- **KindOfWorkTimeData KindOfWorkTime**

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

**Property-Value**

The kind of unit of the work time.

- **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.

- **string Password**

Gets or sets the password.

**Property-Value**

The password.

**- bool ShowPaint**

Enable Paint.

**Property-Value**

Boolean

**- int ItemMpld**

Gets or sets the TecRMI item mount position id.

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

**Property-Value**

The item mount position id.

**- string UserName**

Gets or sets the name of the user.

**Property-Value**

The name of the user.

**- int 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.

## 12. GetVehicleHasLtMsg

### 12.1. Summary

Class [AisService.\\_40.Messages.Lt.GetVehicleHasLtMsg](#) contains the properties which are necessary to call the web service module check method [ServiceLt.GetVehicleHasLt](#) .

### 12.2. See also

[ServiceLt.GetVehicleHasLt\(...\)](#)

### 12.3. Detailed Module Documentation

#### 12.3.1. Properties

**- string CompanyName**

Gets or sets the name of the company.

**Property-Value**

The name of the company.

**- string CountryCode**

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

**Property-Value**

The ISO country code.

**- string Password**

Gets or sets the password.

**Property-Value**

The password.

**- string UserName**

Gets or sets the name of the user.

**Property-Value**

The name of the user.

**- int TypeId**

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

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

**Property-Value**

The TecRMI type id.

## 13. 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. LtBodyQualCol

### 14.1. 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.

## 14.2. Detailed Module Documentation

### 14.2.1. 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.

## 15. LtExclWorkPos

### 15.1. Summary

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

## 15.2. Detailed Module Documentation

### 15.2.1. 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.

## 16. LtlItemMpKor

### 16.1. 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.

### 16.2. Detailed Module Documentation

#### 16.2.1. 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.

## 17. LtlItemMpKorRawTools

### 17.1. Summary

Data model for a raw tool

### 17.2. Detailed Module Documentation

#### 17.2.1. 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.

- **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.

## 18. LtItemMpKorRawToolsForWorks

### 18.1. Summary

Data model for a raw tool

### 18.2. Detailed Module Documentation

#### 18.2.1. Properties

- **int BodyQualCollId**

Gets or sets the body qualifier collection Id.

**Property-Value**

The identifier of the body qualifier collection.

- **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.

**- int Typeld**

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.

## 19. LtMainGroup

### 19.1. 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.

### 19.2. Detailed Module Documentation

#### 19.2.1. 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<LtSubGroup> SubGroups**

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

**Property-Value**

The sub groups.

## 20. LtOptExclWorkPos

### 20.1. 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.

### 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 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.

- **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.

## 21. LtPaintItemMpKor

### 21.1. 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.

### 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.

**- 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.

## 22. LtPaintMainGroup

### 22.1. 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.

### 22.2. Detailed Module Documentation

#### 22.2.1. Properties

**- bool InfoDataExists**

Gets or sets a value indicating whether there are information data existing for this main group.

The portal database must be available to provide information data.

**Property-Value**

true if info data exists; otherwise, false.

**- int MainGroupId**

Gets or sets the id of the main group.

**Property-Value**

The main group id.

**- string MainGroupImage**

Gets or sets the image of the main group.

**Property-Value**

The main group image.

**- string MainGroupName**

Gets or sets the name of the main group.

**Property-Value**

The the main group name.

**- int SortOrder**

Gets or sets the order number of this main group. A collection

of main groups will be sorted against this number.

**Property-Value**

The sort order.

**- List<LtPaintSubGroup> SubGroups**

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

**Property-Value**

The sub groups.

## 23. LtPaintSubGroup

### 23.1. 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.

### 23.2. Detailed Module Documentation

#### 23.2.1. Properties

**- bool InfoDataExists**

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

## 24. LtSubGroup

### 24.1. 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.

### 24.2. Detailed Module Documentation

#### 24.2.1. Properties

**- bool InfoDataExists**

Gets or sets a value indicating whether there are information data existing for this sub group. The portal database must be available to provide information data.

**Property-Value**

true if info data exists; otherwise, false.

**- List<LtItemMpKor> ItemMps**

Gets or sets a collection of item mount positions which belongs to this sub group.

**Property-Value**

The item mount positions.

**- int SortOrder**

Gets or sets the order number of this sub group. A collection of sub groups will be sorted against this number.

**Property-Value**

The sort order.

**- int SubGroupId**

Gets or sets the id of the sub group.

**Property-Value**

The sub group id.

**- string SubGroupImage**

Gets or sets the sub group image.

**Property-Value**

The sub group image.

**- string SubGroupName**

Gets or sets the name of the sub group.

**Property-Value**

The sub group name.

## 25. LtTmRawTool

### 25.1. Summary

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

### 25.2. Detailed Module Documentation

#### 25.2.1. 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.

## 26. LtTmRawTools

### 26.1. Summary

Contains raw tools of a specific manual

## 26.2. Detailed Module Documentation

### 26.2.1. 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.

## 27. LtWorkPos

### 27.1. Summary

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

## 27.2. Detailed Module Documentation

### 27.2.1. 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.

**- 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.

## 28. LtWorkPosSuggestion

### 28.1. 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.

### 28.2. inheritdoc

### 28.3. Detailed Module Documentation

#### 28.3.1. 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 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.

- **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<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.

## 29. LtWorkPosWithQualifiers

### 29.1. 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.

### 29.2. Detailed Module Documentation

#### 29.2.1. 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 QualColId.

**- 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.

## 30. QualifierData

### 30.1. Summary

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

### 30.2. Detailed Module Documentation

#### 30.2.1. 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.

## 31. WorkPosData

### 31.1. Summary

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

### 31.2. Detailed Module Documentation

#### 31.2.1. 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.