Interface Description

ServiceAudit_REST

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1. AuditController

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.

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 **Languages(...)** 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 **Countries(...)** in the TecRMI common REST service 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. Summary

Area RestRMI.Areas.Audit.Controllers.AuditController provides the web service methods for the part audit. Invoice verification on the basis of work item number, part number and calculation.

1.3. Detailed Module Documentation

1.3.1. Properties

- **HttpActionContext ActionContext**

   No description available

- **HttpConfiguration Configuration**

   No description available

- **HttpControllerContext ControllerContext**

   No description available

- **string Ip**

   Gets the IP.

- **ModelStateDictionary ModelState**

   No description available

- **HttpRequestMessage Request**

   No description available

- **HttpRequestContext RequestContext**

  No description available

- **UrlHelper Url**

  No description available

- **IPrincipal User**

  No description available

1.3.2. Methods

- **IEnumerable<InPartData> PartsByOe(PartsByOeMsg input)**

  Retrieves a collection of spare parts for the selected TecRMI type id and spare part number in the given language.

  Parameter

  input - Instance of the message class PartsByOeMsg.

  Returns

  A collection of spare parts.

- **IEnumerable<LtMainGroup> TimesWorkListForCoo(TimesWorkListForCooMsg input)**

  Delivers a country specific list to generate the labour times topic tree for the TecRMI type id with the selected labour times body id and the selected filters in the given language.

  Parameter

  input - Instance of the message class TimesWorkListForCooMsg.

  Returns

  The topic tree of the labour times work list.

- **IEnumerable<LtWorkPos> TimesWorkStepsForCoo(TimesWorkStepsForCooMsg input)**

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

  Parameter

  input - Instance of the message class TimesWorkStepsForCooMsg.

  Returns

  The labour times work position.

- **IEnumerable<LtMainGroup> TimesWorkListForApos(TimesWorkListForAposMsg input)**

  Delivers a country specific list to generate the labour times topic tree for the TecRMI type id with the selected labour times body id and filters in the given language.

Parameter

input - Instance of the message class TimesWorkListForAposMsg.

Returns

The topic tree of the labour times work list.

- IEnumerable<LtWorkPos> TimesWorkStepsForApos(TimesWorkStepsForAposMsg input)

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

Parameter

input - Instance of the message class TimesWorkStepsForAposMsg.

Returns

The labour times work steps.

- IEnumerable<LtMainGroup> TimesWorkListForOeNo(TimesWorkListForOeNoMsg input)

Delivers a country specific list to generate the labour times topic tree for the given type id, body id and the selected filters in the given language.

Parameter

input - Instance of the message class TimesWorkListForOeNoMsg.

Returns

The topic tree of the labour times work list.

- IEnumerable<LtWorkPos> TimesWorkStepsForOeNo(TimesWorkStepsForOeNoMsg input)

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

Parameter

input - Instance of the message class TimesWorkStepsForOeNoMsg.

Returns

The labour times work steps.

- MdSubGroups MaintenanceSubGroupsForCoo(MaintenanceSubGroupsForCooMsg input)

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

Parameter

input - Instance of the message class MaintenanceSubGroupsForCooMsg.

Returns

The topic tree of the maintenance work position.

- IEnumerable<MdWorkPos> MaintenanceWorkStepsForCoo(MaintenanceWorkStepsForCooMsg input)

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

Parameter

input - Instance of the message class MaintenanceWorkStepsForCooMsg.

Returns

The topic tree of the maintenance work position.

- MdSubGroups MaintenanceSubGroupsForApos(MaintenanceSubGroupsForAposMsg input)

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

Parameter

input - Instance of the message class MaintenanceSubGroupsForAposMsg.

Returns

The topic tree of the maintenance data work list.

- IEnumerable<MdWorkPos> MaintenanceWorkStepsForApos(MaintenanceWorkStepsForAposMsg input)

Delivers a country specific list to generate a maintenance work position for the TecRMI type id with the selected maintenance data body id, item mount position id, kind of repair id and the selected filter in the given language.

Parameter

input - Instance of the message class MaintenanceWorkStepsForAposMsg.

Returns

The maintenance data work position.

- MdSubGroups MaintenanceSubGroupsForOeNo(MaintenanceSubGroupsForOeNoMsg input)

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

Parameter

input - Instance of the message class MaintenanceSubGroupsForOeNoMsg.

Returns

The topic tree of the maintenance data work list.

- **IEnumerable<MdWorkPos> MaintenanceWorkStepsForOeNo(MaintenanceWorkStepsForOeNoMsg input)**

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

Parameter

input - Instance of the message class MaintenanceWorkStepsForOeNoMsg.

Returns

The maintenance work steps.

Object Model

1. InPartAmount

1.1. Summary

Represents a part amount for IN.

1.2. Detailed Module Documentation

1.2.1. Properties

- **Nullable<Decimal> Amount**

  Gets or sets the amount.

  Property-Value

  The amount.

- **bool IsOnlyForReference**

  Gets or sets a value indicating whether this instance is only for reference.

  Property-Value

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

- **int ItemMpId**

  Gets or sets the item mount position id.

  Property-Value

  The item mount position id.

- **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.

- **string Quantity**

  Gets or sets the quantity.

  Property-Value

  The quantity.

2. InPartData

2.1. Summary

Represents part data for IN.

2.2. Detailed Module Documentation

2.2.1. Properties

- **List<InPartAmount> Amounts**

   Gets or sets a list of part amounts.

   Property-Value

   The amounts.

- **string Currency**

   Gets or sets the currency.

   Property-Value

   The currency.

- **bool IsLocked**

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

   Property-Value

   true if this part is locked; otherwise, false.

- **bool IsNotToOrder**

   Gets or sets a value indicating whether this part set qualifier collection is not to order.

   Property-Value

   true if this part set qualifier collection is not to order; 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.

- **int PartId**

   Gets or sets the part id.

   Property-Value

   The part id.

- string PartNo

Gets or sets the part number.

Property-Value

The part number.

- Nullable<Decimal> PartPrice

Gets or sets the part price.

Property-Value

The part price.

- DateTime PartPriceDate

Gets or sets the part price date.

Property-Value

The part price date.

- string PartPriceSupplier

Gets or sets the part price supplier.

Property-Value

The part price supplier.

- int PartQualColId

Gets or sets the part qualifier collection id.

Property-Value

The part qualifier collection id.

- string PartQualColText

Gets or sets the part qualifier collection text.

Property-Value

The part qualifier collection text.

3. KindOfWorkTimeData

3.1. Summary

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

3.2. Detailed Module Documentation

3.2.1. Enums

- DecimalWorkHours

The work time is displayed in decimal work hours.

- **ManufacturerWorkPositions**

The work time is displayed in manufacturer work time units.

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 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 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. LtItemMpKor

5.1. 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.

5.2. Detailed Module Documentation

5.2.1. Properties

- **bool InfoDataExists**

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

    Property-Value

    true if info data exists; otherwise, false.

- **bool IsLocked**

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

    Property-Value

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

- **int ItemMpId**

    Gets or sets the id of the item mount position.

    Property-Value

    The item mount position id.

- **string ItemMpImageName**

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

    Property-Value

    The the item mount position image name.

- **string ItemMpText**

    Gets or sets the text of the item mount position.

    Property-Value

    The item mount position text.

- **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.

6. LtMainGroup

6.1. 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.

6.2. Detailed Module Documentation

6.2.1. 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.

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 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 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 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. LtSubGroup

8.1. 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.

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 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.

9. LtWorkPos

9.1. Summary

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

9.2. Detailed Module Documentation

9.2.1. 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 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 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 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.

10. MaintenanceSubGroupsForAposMsg

10.1. Summary

Class RestRMI.Areas.Audit.Models.MaintenanceSubGroupsForAposMsg contains the properties which are necessary to call the web service methods

MaintenanceSubGroupsForApos(MaintenanceSubGroupsForAposMsg),

10.2. Detailed Module Documentation

10.2.1. Properties

- **int BodyQualColId**

  Gets or sets the body qualifier id which defines the vehicle construction.

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

  Property-Value

  The body qualifier id.

- **string CountryCode**

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

  Property-Value

  The ISO country code.

- **string LanguageCode**

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

  Property-Value

  The ISO language code.

- **string SearchString**

  Gets or sets the string which contains the original work position

  number from the car manufacturer to look for.

  Property-Value

  The search string.

- **int TypeId**

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

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

  Property-Value

  The TecRMI type id.

11. MaintenanceSubGroupsForCooMsg

11.1. Summary

Class RestRMI.Areas.Audit.Models.MaintenanceSubGroupsForCooMsg contains the properties which are necessary to call the web service methods MaintenanceSubGroupsForCoo(MaintenanceSubGroupsForCooMsg).

11.2. Detailed Module Documentation

11.2.1. 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 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 SearchString

Parameter will not be used at the moment.

Property-Value

Parameter will not be used at the moment.

- int TypeId

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

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

Property-Value

The TecRMI type id.

12. MaintenanceSubGroupsForOeNoMsg

12.1. Summary

Class RestRMI.Areas.Audit.Models.MaintenanceSubGroupsForOeNoMsg contains the properties which are necessary to call the web service methods MaintenanceSubGroupsForOeNo(MaintenanceSubGroupsForOeNoMsg),

12.2. Detailed Module Documentation

12.2.1. Properties

- **int BodyQualColId**

  Gets or sets the body qualifier id which defines the vehicle construction.

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

  Property-Value

  The body qualifier id.

- **string CountryCode**

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

  Property-Value

  The ISO country code.

- **string LanguageCode**

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

  Property-Value

  The ISO language code.

- **bool PartialOen**

  Gets or sets a value indicating whether the search should find OE numbers

  where the entered search string is only a part of the number.

  Property-Value

  true if the search should be partial on the search string; otherwise, false.

- **string SearchString**

  Gets or sets the string which contains the original equipment number (OEN) to look for.

  In dependence on the value of the property this string has to

  cover the whole number (PartialOen = false) or can be only a part of the whole

  number (PartialOen = true).

  Property-Value

  The search string.

- **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. MaintenanceWorkStepsForAposMsg

13.1. Summary

Class RestRMI.Areas.Audit.Models.MaintenanceWorkStepsForAposMsg contains the properties which are necessary to call the web service methods MaintenanceWorkStepsForApos(MaintenanceWorkStepsForAposMsg),

13.2. Detailed Module Documentation

13.2.1. Properties

- int BodyQualColId

Gets or sets the body qualifier id which defines the vehicle construction.

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

Property-Value

The body qualifier id.

- string 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 ItemMpId

Gets or sets the TecRMI item mount position id.

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

Property-Value

The item mount position id.

- 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 SearchString

Gets or sets the string which contains the original work position

number from the car manufacturer to look for.

Property-Value

The search string.

- int TypeId

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

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

Property-Value

The TecRMI type id.

14. MaintenanceWorkStepsForCooMsg

14.1. Summary

Class RestRMI.Areas.Audit.Models.MaintenanceWorkStepsForCooMsg contains the properties which are necessary to call the web service methods MaintenanceWorkStepsForCoo(MaintenanceWorkStepsForCooMsg),

14.2. Detailed Module Documentation

14.2.1. Properties

- int BodyQualColId

Gets or sets the body qualifier id which defines the vehicle construction.

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

Property-Value

The body qualifier id.

- string 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 ItemMpId

Gets or sets the TecRMI item mount position id.

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

Property-Value

The item mount position id.

- 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 SearchString

Gets or sets the string which contains the qualifier collection maintenance variants. This value can be fetched
> by using the web service method CooGroupQualCols.

Property-Value

The search string.

- int TypeId

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

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

Property-Value

The TecRMI type id.

15. MaintenanceWorkStepsForOeNoMsg

15.1. Summary

Class RestRMI.Areas.Audit.Models.MaintenanceWorkStepsForOeNoMsg contains the properties
which are necessary to call the web service methods
MaintenanceWorkStepsForOeNo(MaintenanceWorkStepsForOeNoMsg).

15.2. Detailed Module Documentation

15.2.1. Properties

- int BodyQualColId

Gets or sets the body qualifier id which defines the vehicle construction.

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

Property-Value

The body qualifier id.

- string 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 ItemMpId

Gets or sets the TecRMI item mount position id.

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

Property-Value

The item mount position id.

- 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.

- bool PartialOen

Gets or sets a value indicating whether the search should find OE numbers

where the entered search string is only a part of the number.

Property-Value

true if the search should be partial on the search string; otherwise, false.

- string SearchString

Gets or sets the string which contains the original equipment number (OEN) to look for.

In dependence on the value of the property this string has to

cover the whole number (PartialOen = false) or can be only a part of the whole

number (PartialOen = true).

Property-Value

The search string.

- int TypeId

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

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

Property-Value

The TecRMI type id.

16. MdAddItemMpKor

16.1. Summary

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

16.2. Detailed Module Documentation

16.2.1. Properties

- string AddText

Gets or sets the additional text.

Property-Value

The additional text.

- bool InfoDataExists

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

The portal database must be available to provide information data.

Property-Value

true if info data exists; otherwise, false.

- bool IsLocked

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

Property-Value

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

- **int ItemMpId**

  Gets or sets the id of the item mount position.

  Property-Value

  The item mount position id.

- **string ItemMpImageName**

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

  Property-Value

  The the item mount position image name.

- **string ItemMpText**

  Gets or sets the text of the item mount position.

  Property-Value

  The item mount position text.

- **int 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. MdExclWorkPos

17.1. Summary

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

17.2. Detailed Module Documentation

17.2.1. 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 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.

18. MdItemMpKor

18.1. Summary

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

18.2. Detailed Module Documentation

18.2.1. Properties

- **bool InfoDataExists**

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

       The portal database must be available to provide information data.

  Property-Value

  true if info data exists; otherwise, false.

- **bool IsLocked**

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

  Property-Value

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

- **int ItemMpId**

  Gets or sets the id of the item mount position.

  Property-Value

  The item mount position id.

- **string ItemMpImageName**

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

  Property-Value

  The the item mount position image name.

- **string ItemMpText**

  Gets or sets the text of the item mount position.

  Property-Value

  The item mount position text.

- **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.

19. MdOptExclWorkPos

19.1. Summary

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

19.2. Detailed Module Documentation

19.2.1. 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 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 WorkPositionNo**

  Gets or sets the number of the work position.

  Property-Value

  The work position number.

- **KindOfWorkTimeData** KindOfWorkTimeData

- **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.

20. MdSubGroups

20.1. Summary

Represents a sub group for maintenance data.

20.2. Detailed Module Documentation

20.2.1. Properties

- **List<MdAddItemMpKor> AdditionalWorks**

  Gets or sets a collection of additional maintenance work positions.

  Property-Value

  The additional work positions.

- **bool IsMultipleServicesAllowed**

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

  Property-Value

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

- **bool IsOnlyAdditionServiceAllowed**

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

  Property-Value

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

- **List<MdItemMpKor> Services**

  Gets or sets the service list.

  Property-Value

  The service main work positions.

21. MdWorkPos

21.1. Summary

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

21.2. Detailed Module Documentation

21.2.1. Properties

- **List<MdExclWorkPos> ExclusiveWorkPositions**

Gets or sets a collection of exclusive work positions.

Remarks

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

Property-Value

The exclusive work positions.

- **bool IsCompositeTime**

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

Property-Value

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

- **bool IsLocked**

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

Property-Value

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

- **bool IsOnlyForReference**

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

Property-Value

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

- **bool IsTecRmiTime**

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

Property-Value

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

- **int 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<MdOptExclWorkPos> OptionalExclusivePositions

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

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

Property-Value

The optional exclusive positions.

- int 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 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.

22. PartsByOeMsg

22.1. Summary

Class RestRMI.Areas.Audit.Models.PartsByOeMsg contains the properties which are necessary to call the web service method PartsByOe(PartsByOeMsg).

22.2. Detailed Module Documentation

22.2.1. 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.

- bool PartialOen

Gets or sets a value indicating whether the search should find OE numbers

      where the entered search string is only a part of the number.

Property-Value

true if the search should be partial on the search string; otherwise, false.

- string SearchString

Gets or sets the string which contains the original equipment number (OEN) to look for.

      In dependence on the value of the property this string has to

      cover the whole number (partialOEN = false) or can be only a part of the whole

      number (PartialOen = true).

Property-Value

The search string.

- 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. TimesWorkListForAposMsg

23.1. Summary

Class RestRMI.Areas.Audit.Models.TimesWorkListForAposMsg contains the properties which are necessary to call the web service methods TimesWorkListForApos(TimesWorkListForAposMsg),

23.2. Detailed Module Documentation

23.2.1. Properties

- int BodyQualColId

Gets or sets the body qualifier id which defines the vehicle construction.

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

Property-Value

The body qualifier id.

- string CountryCode

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

Property-Value

The ISO country code.

- **string LanguageCode**

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

  Property-Value

  The ISO language code.

- **string SearchString**

  Gets or sets the string which contains the original work position

  > number from the car manufacturer to look for.

  Property-Value

  The search string.

- **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. TimesWorkListForCooMsg

24.1. Summary

Class RestRMI.Areas.Audit.Models.TimesWorkListForCooMsg contains the properties which are necessary to call the web service methods TimesWorkListForCoo(TimesWorkListForCooMsg),

24.2. Detailed Module Documentation

24.2.1. Properties

- **int BodyQualColId**

  Gets or sets the body qualifier id which defines the vehicle construction.

  > The id can be fetched by using the equivalent methods from the respective modules.

  Property-Value

  The body qualifier id.

- **string CountryCode**

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

  Property-Value

  The ISO country code.

- **string LanguageCode**

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

Property-Value

The ISO language code.

- string SearchString

Parameter will not be used at the moment.

Property-Value

Parameter will not be used at the moment.

- 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.

25. TimesWorkListForOeNoMsg

25.1. Summary

Class RestRMI.Areas.Audit.Models.TimesWorkListForOeNoMsg contains the properties which are necessary to call the web service methods TimesWorkListForOeNo(TimesWorkListForOeNoMsg).

25.2. Detailed Module Documentation

25.2.1. Properties

- int BodyQualColId

Gets or sets the body qualifier id which defines the vehicle construction.

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

Property-Value

The body qualifier id.

- string CountryCode

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

Property-Value

The ISO country code.

- string LanguageCode

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

Property-Value

The ISO language code.

- bool PartialOen

Gets or sets a value indicating whether the search should find OE numbers

where the entered search string is only a part of the number.

Property-Value

true if the search should be partial on the search string; otherwise, false.

- string SearchString

Gets or sets the string which contains the original equipment number (OEN) to look for.

In dependence on the value of the property this string has to

cover the whole number (PartialOen = false) or can be only a part of the whole

number (PartialOen = true).

Property-Value

The search string.

- 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.

26. TimesWorkStepsForAposMsg

26.1. Summary

Class RestRMI.Areas.Audit.Models.TimesWorkStepsForAposMsg contains the properties which are necessary to call the web service methods TimesWorkStepsForApos(TimesWorkStepsForAposMsg),

26.2. Detailed Module Documentation

26.2.1. Properties

- int BodyQualColId

Gets or sets the body qualifier id which defines the vehicle construction.

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

Property-Value

The body qualifier id.

- string 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 ItemMpId**

Gets or sets the TecRMI item mount position id.

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

Property-Value

The item mount position id.

- **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 SearchString**

Gets or sets the string which contains the original work position

number from the car manufacturer to look for.

Property-Value

The search string.

- **int TypeId**

Gets or sets the vehicle tree ID.

Property-Value

The vehicle tree ID.

27. TimesWorkStepsForCooMsg

27.1. Summary

Class RestRMI.Areas.Audit.Models.TimesWorkStepsForCooMsg contains the properties which are necessary to call the web service methods TimesWorkStepsForCoo(TimesWorkStepsForCooMsg),

27.2. Detailed Module Documentation

27.2.1. Properties

- int BodyQualColId

Gets or sets the body qualifier id which defines the vehicle construction.

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

Property-Value

The body qualifier id.

- string 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 ItemMpId

Gets or sets the TecRMI item mount position id.

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

Property-Value

The item mount position id.

- 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 SearchString

Parameter will not be used at the moment.

Property-Value

Parameter will not be used at the moment.

- 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.

28. TimesWorkStepsForOeNoMsg

28.1. Summary

Class RestRMI.Areas.Audit.Models.TimesWorkStepsForOeNoMsg contains the properties which are necessary to call the web service methods TimesWorkStepsForOeNo(TimesWorkStepsForOeNoMsg).

28.2. Detailed Module Documentation

28.2.1. Properties

- int BodyQualColId

Gets or sets the body qualifier id which defines the vehicle construction.

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

Property-Value

The body qualifier id.

- string 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 ItemMpId

Gets or sets the TecRMI item mount position id.

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

Property-Value

The item mount position id.

- **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.

- **bool PartialOen**

Gets or sets a value indicating whether the search should find OE numbers

> where the entered search string is only a part of the number.

Property-Value

true if the search should be partial on the search string; otherwise, false.

- **string SearchString**

Gets or sets the string which contains the original equipment number (OEN) to look for.

> In dependence on the value of the property this string has to
>
> cover the whole number (PartialOen = false) or can be only a part of the whole
>
> number (PartialOen = true).

Property-Value

The search string.

- **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.

- **KindOfWorkTimeData** **KindOfWorkTime**