

# Interface Description

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ServiceCommon\_REST



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## Module Details

### 1. CommonController

#### 1.1. Summary

Area [RestRMI.Areas.Common.Controllers.CommonController](#) provides common web service methods. With these methods application texts, the country and language list, etc. can be fetched.

#### 1.2. Detailed Module Documentation

##### 1.2.1. Properties

- **HttpContext ActionContext**  
No description available
- **HttpConfiguration Configuration**  
No description available
- **HttpContext ControllerContext**  
No description available
- **string Ip**  
Gets the IP.
- **ModelStateDictionary ModelState**  
No description available
- **HttpRequestMessage Request**  
No description available
- **HttpContext RequestContext**  
No description available
- **UrlHelper Url**  
No description available
- **IPrincipal User**  
No description available

##### 1.2.2. Methods

- **IEnumerable<[ApplicationText](#)> ApplicationTexts([ApplicationTextsMsg](#) input)**  
Delivers a collection of all application text ids and the corresponding texts in the selected language.

###### Parameter

input - Instance of the message class `ApplicationTextsMsg`.

###### Returns

A collection of application texts.

**- string ApplicationText(ApplicationTextMsg input)**

Delivers the application text with the given id in the selected language.

**Parameter**

input - Instance of the message class ApplicationTextMsg.

**Returns**

An application text.

**- void Ping()**

A ping for the API to test if the service is available and running.

**- IEnumerable<AdditionalCountryInfo> Countries(CountriesMsg input)**

Retrieves a collection of all countries supported by the system. Countries codes are referring to the ISO 3166-1 standard.

**Remarks**

Calling country specific functions with a country parameter not supported by the system will result in an exception.

**Parameter**

input - Instance of the message class CountriesMsg.

**Returns**

A collection of supported countries.

**- IEnumerable<AdditionalLanguageInfo> Languages(LanguagesMsg input)**

Retrieves a collection of all languages supported by the system. Language codes are referring to the ISO 639-1 standard. By passing null as LanguagesMsg.LanguageCode the result will be a collection where each language name is written in his own language (eg: en -> English (GB); de - > Deutsch; ru -> ; etc). Passing a valid language code by this property all the language names will be in the given language.

**Remarks**

Calling language specific functions with a language parameter not supported by the system will result in an exception.

**Parameter**

input - Instance of the message class LanguagesMsg.

**Returns**

A collection of supported languages.

**- IEnumerable<QualifierGroup> QualifierGroupList(QualifierGroupListMsg input)**

Delivers a collection of qualifier groups in the given language.

**Parameter**

input - Instance of the message class QualifierGroupListMsg.

**Returns**

A collection of qualifier group.

**- IEnumerable<LinkTypeData> GetPossibleLinkTypes()**

Delivers a collection of possible values for the enum KindOfLinkTypes.

**Returns**

A collection of link types.

**- string WorkPosOnlyForReferenceText(WorkPosOnlyForReferenceTextMsg input)**

Gets the text for explaining the 'only for reference' flag in the labour times, maintenance data or basket module.

**Parameter**

input - Instance of the message class WorkPosOnlyForReferenceTextMsg.

**Returns**

A text which contains an explanation what the flag 'only for reference' means.

**- string GetAdOnlyForReferenceText(GetAdOnlyForReferenceTextMsg input)**

Gets the text explaining the 'only for reference flag' in technical data or filling amounts in the basket module.

**Parameter**

input - Instance of the message class GetAdOnlyForReferenceTextMsg.

**Returns**

A text which contains an explanation what the flag 'only for reference' means.

**- string GetInNotToOrderText(GetInNotToOrderTextMsg input)**

Gets the text explaining the 'not to order' flag in the spare part proposal.

**Parameter**

input - Instance of the message class GetInNotToOrderTextMsg.

**Returns**

A text which contains an explanation what the flag 'not to order' means.

**- string GetWorkPosTecRmiTimeText(GetWorkPosTecRmiTimeTextMsg input)**

Get the text for explaining the 'TecRMI work time' flag in the labour times, maintenance data or basket module.

**Parameter**

input - Instance of the message class GetWorkPosTecRmiTimeTextMsg.

**Returns**

A string which contains an explanation what the flag 'TecRMI work time' means.

**- string GetWorkPosCompositeTimeText(GetWorkPosCompositeTimeTextMsg input)**

Gets the text explaining the 'composite time' flag in the labour times, maintenance data or basket module.

**Parameter**

input - Instance of the message class GetWorkPosCompositeTimeTextMsg.

**Returns**

A string which contains an explanation what the flag 'composite time' means.

**- VersionInfo VersionInfo()**

Gets the build number of the release, the version number of the solution and the DB Version number.

**Returns**

An object with the build number of the release, the version number of the solution and the DB Version number

**- AdditionalVehicleInformationForServiceBook AdditionalVehicleInformationForServiceBook(AdditionalVehicleInformationForServiceBookMsg input)**

Fetches additional information towards a vehicle to be used in ServiceBook.

**Parameter**

input - Instance of the message class ApplicationTextsMsg.

**Returns**

Additional information about the passed vehicle for ServiceBook.

**- IEnumerable<QualifierCollection> QualifierCollections(QualifierCollectionsMsg input)**

Delivers a collection of detailed information about the given qualifier collection ids.

**Parameter**

input - Instance of the message class QualifierCollectionsMsg.

**Returns**

A collection of qualifier collection.

# Object Model

## 1. AdditionalCountryInfo

### 1.1. Summary

Class **AdditionalCountryInfo** represents a country in the AuDaLib with an additional locked parameter. It contains all important information like **Name**, **ISO CountryCode**, **Currency**, etc.

### 1.2. Detailed Module Documentation

#### 1.2.1. Properties

- **string CountryCode**

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

**Property-Value**

The country code.

- **int CountryId**

Gets or sets the id of the country.

**Property-Value**

The country id.

- **string CountryName**

Gets or sets the name of the country.

**Property-Value**

The name of the country.

- **string Currency**

Gets or sets the currency of the country.

**Property-Value**

The currency.

- **Nullable<Decimal> ExchangeRate**

Gets or sets the exchange rate at which Euro is the reference currency.

**Property-Value**

The exchange rate.

- **bool Locked**

Gets or sets the locked value for the specific country.

**Property-Value**

The locked value.

## 2. AdditionalLanguageInfo

### 2.1. Summary

Class **AdditionalLanguageInfo** represents a language in the AuDaLib and contains an additional locked parameter.

### 2.2. Detailed Module Documentation

#### 2.2.1. Properties

- **int IsCompleteFilled**

Gets or sets a value determining whether all texts are available in this language.

**Property-Value**

The value determining whether the language is complete filled or not.

- **string LanguageCode**

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

**Property-Value**

The language code.

- **int LanguageId**

Gets or sets the id of the language.

**Property-Value**

The language id.

- **string LanguageName**

Gets or sets the name of the language.

**Property-Value**

The name of the language.

- **bool Locked**

Gets or sets the locked value for the specific language.

**Property-Value**

The locked value.

## 3. AdditionalVehicleInformationForServiceBook

### 3.1. Summary

A class containing additional information about the vehicle for ServiceBook.

### 3.2. Detailed Module Documentation

### 3.2.1. Properties

- **bool VehicleHasGasPressureSprings**

Gets or sets a value indicating whether the vehicle has gas pressure springs to check during a maintenance.

**Property-Value**

True if vehicle has gas pressure springs to check, false if not.

## 4. AdditionalVehicleInformationForServiceBookMsg

### 4.1. Summary

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

`AdditionalVehicleInformationForServiceBook(AdditionalVehicleInformationForServiceBookMsg)`.

### 4.2. Detailed Module Documentation

#### 4.2.1. Properties

- **string CountryCode**

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

**Property-Value**

The ISO country code.

- **int TypeId**

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

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

**Property-Value**

The TecRMI type id.

## 5. ApplicationText

### 5.1. Summary

Class **ApplicationText** represents an text which is used in the application.

### 5.2. Detailed Module Documentation

#### 5.2.1. Properties

- **int ApplicationTextId**

Gets or sets the id of the application text.

**Property-Value**

The application text id.

- **string Text**

Gets or sets the application text.

**Property-Value**

The text.

## 6. ApplicationTextMsg

### 6.1. Summary

Class [RestRMI.Areas.Common.Models.ApplicationTextMsg](#) contains the properties which are necessary to call the web service method `ApplicationText(ApplicationTextMsg)`.

### 6.2. Detailed Module Documentation

#### 6.2.1. Properties

- **string LanguageCode**

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

**Property-Value**

The ISO language code.

- **int TextId**

Gets or sets the identifier of the text.

**Property-Value**

The identifier of the text.

## 7. ApplicationTextsMsg

### 7.1. Summary

Class [RestRMI.Areas.Common.Models.ApplicationTextsMsg](#) contains the properties which are necessary to call the web service method `ApplicationTexts(ApplicationTextsMsg)`.

### 7.2. Detailed Module Documentation

#### 7.2.1. Properties

- **string LanguageCode**

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

**Property-Value**

The ISO language code.

## 8. CountriesMsg

### 8.1. Summary

Class [RestRMI.Areas.Common.Models.CountriesMsg](#) contains the properties which are necessary to call

the web service method Countries(CountriesMsg).

## 8.2. Detailed Module Documentation

### 8.2.1. Properties

- **KindOfModule** KindOfModule

Gets or sets the kind of module after which the collection of supporting countries should be filtered.

**Property-Value**

The module.

- **string LanguageCode**

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

**Property-Value**

The ISO language code.

## 9. GetAdOnlyForReferenceTextMsg

### 9.1. Summary

Class [RestRMI.Areas.Common.Models.GetAdOnlyForReferenceTextMsg](#) contains the properties which are necessary to call the web service method GetInNotToOrderText(GetInNotToOrderTextMsg).

## 9.2. Detailed Module Documentation

### 9.2.1. Properties

- **string LanguageCode**

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

**Property-Value**

The ISO language code.

## 10. GetInNotToOrderTextMsg

### 10.1. Summary

Class [RestRMI.Areas.Common.Models.GetInNotToOrderTextMsg](#) contains the properties which are necessary to call the web service method GetInNotToOrderText(GetInNotToOrderTextMsg).

## 10.2. Detailed Module Documentation

### 10.2.1. Properties

- **string LanguageCode**

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

**Property-Value**

The ISO language code.

## 11. GetWorkPosCompositeTimeTextMsg

### 11.1. Summary

Class [RestRMI.Areas.Common.Models.GetWorkPosCompositeTimeTextMsg](#) contains the properties which are necessary to call the web service method

`GetWorkPosCompositeTimeText(GetWorkPosCompositeTimeTextMsg)`.

### 11.2. Detailed Module Documentation

#### 11.2.1. Properties

- **string LanguageCode**

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

**Property-Value**

The ISO language code.

## 12. GetWorkPosTecRmiTimeTextMsg

### 12.1. Summary

Class [RestRMI.Areas.Common.Models.GetWorkPosTecRmiTimeTextMsg](#) contains the properties which are necessary to call the web service method

`GetWorkPosTecRmiTimeText(GetWorkPosTecRmiTimeTextMsg)`.

### 12.2. Detailed Module Documentation

#### 12.2.1. Properties

- **string LanguageCode**

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

**Property-Value**

The ISO language code.

## 13. KindOfLinkTypes

### 13.1. Summary

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

### 13.2. Remarks

The AuDaLib includes several methods that return HTML documents as strings. Some of the HTML documents may contain links. The **href** attribute of the links follows a certain scheme: e.g. `href="someUrl/pa1205P"`, where "someUrl/" is the link URL, "P" is the link separator, "a" is the kind of link type represented as char and "1205" is

the link id. The kind of link type determines how the link id has to be interpreted and, therefore, determines the target module the link is referencing. The enumerators can be casted into chars. Altogether, a link can be evaluated on the web server before the HTML is sent to the client, or handled in an embedded browser control using the relevant navigation events.

## 13.3. Detailed Module Documentation

### 13.3.1. Enums

- **None**

No link.

- **AdItemMpld**

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

- **FusesBoxItemMpld**

Unused at the moment.

- **BgItemGroup**

A link to an item group from the body graphics module.

- **DiagnosisItemId**

A link to an item from the diagnosis module.

- **ErrorcodeManualId**

A link to an error code manual.

- **Fuses**

A link to fuses.

- **HotSpotGenArt**

A link to a generic article.

- **BgMainGroupId**

A link to a main group from the body graphics module.

- **TmItemMpld**

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

- **DiagnosticContentId**

Unused at the moment.

- **Unused\_K**

Unused at the moment.

- **LockedItem**

A link to an item for which access is denied because the user has no permissions to access the referenced item.

- **TmManualId**

A link to a manual from the technical manuals module.

- **OeSparePartNo**

A link to a OE spare part no from a technical manual.

- **WdMainGroupId**  
A link to main group from the wiring diagrams module.
- **Image**  
A link to an image.
- **Unused\_Q**  
Unused at the moment.
- **Unused\_R**  
Unused at the moment.
- **BgSubGroupId**  
A link to a sub group from the body graphics module.
- **VehicleTreeTypeId**  
A link to a vehicle type from the vehicle tree module.
- **Unused\_U**  
Unused at the moment.
- **Unused\_V**  
Unused at the moment.
- **WdItemMpid**  
A link to an item mount position from the wiring diagrams module.
- **Unused\_X**  
Unused at the moment.
- **ImageLinkId**  
A link from an image, currently used for partposition module.
- **Unused\_Z**  
Unused at the moment.

## 14. KindOfModule

### 14.1. Summary

Enum **KindOfModule** specifies the kind of modules. This enum is used in order to get the correct set of countries in the appropriate method.

### 14.2. Detailed Module Documentation

#### 14.2.1. Enums

- **Default**  
The default module.
- **Coo**  
The costs of ownership module.
- **CooNew**

The costs of ownership new module.

- **AD**

The technical data module

- **BG**

The graphical selection module

- **LT**

The labour times module.

- **MD**

The maintenance data module.

- **DI**

The diagnostics data module.

- **SOS**

The SOS data module.

- **TD**

The tyre data module.

- **TM**

The technical manuals module.

- **WD**

The wiring diagram module.

- **CO**

The component tree module.

- **CooUser**

The costs of ownership user section module.

- **Ctrl**

The Control module.

- **IN**

The invoice data module.

- **VT**

The vehicle tree module.

- **Info**

The information data module.

- **Portal**

The Portal module.

- **FR**

The fuse and relays module.

- **MP**

The mount position module.

**- CWD**

The comfort wiring diagram module.

**- Paint**

The paint module.

## 15. LanguagesMsg

### 15.1. Summary

Class [RestRMI.Areas.Common.Models.LanguagesMsg](#) contains the properties which are necessary to call the web service method Languages(LanguagesMsg).

### 15.2. Detailed Module Documentation

#### 15.2.1. Properties

**- string LanguageCode**

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

By passing null the result of the web service method Languages

will be a collection where each language name is in his own language (eg: en -> English (GB); de -> Deutsch; ru -> ; etc.

Passing a valid language code by this property all the language names will be in the given language.

**Property-Value**

The ISO language code.

## 16. LinkTypeData

### 16.1. Summary

Class [RestRMI.Areas.Common.Models.Messages.LinkTypeData](#) contains the information which character is assigned to an enumeration value of KindOfLinkTypes.

### 16.2. Detailed Module Documentation

#### 16.2.1. Properties

**- [KindOfLinkTypes](#) KindOfLink**

Gets or sets the kind of link.

**Property-Value**

The kind of link.

**- char LinkCharacter**

Gets or sets the link character.

**Property-Value**

The link character.

## 17. QualifierCollection

### 17.1. Summary

Class **QualifierCollection** represents a qualifier collection having a list of separate qualifiers from which the collection is build up. The qualifier collection delivers a further differentiation for an item.

### 17.2. Detailed Module Documentation

#### 17.2.1. Properties

- **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 this qualifier collection is build up.

**Property-Value**

The individual qualifiers.

## 18. QualifierCollectionsMsg

### 18.1. Summary

Class [RestRMI.Areas.Common.Models.QualifierCollectionsMsg](#) contains the properties which are necessary to call the web service method `QualifierCollections(QualifierCollectionsMsg)`.

### 18.2. Detailed Module Documentation

#### 18.2.1. Properties

- **string LanguageCode**

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

**Property-Value**

The ISO language code.

- **List<Int32> QualCollIds**

Gets or sets a collection of qualifier collection ids.

**Property-Value**

The qualifier collection ids.

## 19. QualifierData

### 19.1. Summary

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

### 19.2. Detailed Module Documentation

#### 19.2.1. 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.

## 20. QualifierGroup

### 20.1. Summary

Class **QualifierGroup** represents a qualifier group. A qualifier group divides the plenty of qualifiers into logical groups like body, engine, air-conditioning system, etc.

### 20.2. Detailed Module Documentation

#### 20.2.1. 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.

## 21. QualifierGroupListMsg

### 21.1. Summary

Class [RestRMI.Areas.Common.Models.QualifierGroupListMsg](#) contains the properties which are necessary to call the web service method `QualifierGroupList(QualifierGroupListMsg)`.

### 21.2. Detailed Module Documentation

#### 21.2.1. Properties

**- string LanguageCode**

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

**Property-Value**

The ISO language code.

## 22. VersionInfo

### 22.1. Summary

A version information data.

### 22.2. Detailed Module Documentation

#### 22.2.1. Properties

**- string BuildNumber**

Gets or sets the build number.

**Property-Value**

The build number.

**- string DbVersionNumber**

Gets or sets the db version number.

**Property-Value**

The db version number.

**- string VersionNumber**

Gets or sets the version number.

**Property-Value**

The version number.

## 23. WorkPosOnlyForReferenceTextMsg

### 23.1. Summary

Class [RestRMI.Areas.Common.Models.WorkPosOnlyForReferenceTextMsg](#) contains the properties which are necessary to call the web service method

WorkPostOnlyForReferenceText(WorkPostOnlyForReferenceTextMsg).

### 23.2. Detailed Module Documentation

#### 23.2.1. Properties

- **string LanguageCode**

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

**Property-Value**

The ISO language code.