

Interface Description

ServiceBasket_REST



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TecAlliance GmbH

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Module Details

1. BasketController

1.1. Prerequisites

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

1.2. Sequence Of Calls

To use the invoice option, you first have to call [PartsForWorks](#) passing body ids from ServiceLt and ServiceMd and the array of work ids which you also can select in these two services.

To complete the invoicing process, call [CalcResultHtml](#) which returns a string containing a HTML document.

1.3. Summary

Area [RestRMI.Areas.Basket.Controllers.BasketController](#) provides the web service methods for the part invoicing. Here the selected maintenance work, repair items and spare parts are represented and the result calculated.

1.4. Detailed Module Documentation

1.4.1. Properties

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

No description available

- **IPrincipal User**

No description available

1.4.2. Methods

- **Dictionary<InKindOfOptCalcParam, Decimal> ToDictionary(IEnumerable<CalcParameter> input)**

Converts the given IEnumerable<CalcParameter> into a dictionary<InKindOfOptCalcParam, decimal>.

Parameter

input - The enumerable object to convert.

Returns

The converted dictionary.

- **IEnumerable<Int32> ItemMpldForGenArt(ItemMpldForGenArtMsg input)**

Delivers a collection of item mount positions for a TecDoc generic article.

Parameter

input - Instance of the message class ItemMpldForGenArtMsg.

Returns

A collection of item mount position ids.

- **string CalcResultHtml(CalcResultHtmlMsg input)**

Delivers a country specific string which contains HTML-code from which a HTML-File for the calculation result can be generated.

Parameter

input - Instance of the message class CalcResultHtmlMsg.

Returns

A string which contains the whole HTML file.

- **string CalcResultHtmlWithComplexityReference(CalcResultHtmlWithComplexityReferenceMsg input)**

Delivers a country specific string which contains HTML-code from which a HTML-File for the calculation result can be generated.

Parameter

input - Instance of the message class CalcResultHtmlWithComplexityReferenceMsg.

Returns

A string which contains the whole HTML file.

- string CalcResultHtmlWithWorkPositions(CalcResultHtmlWithWorkPositionsMsg input)

Delivers a country specific string which contains HTML-code from which a HTML-File for the calculation result can be generated. The work positions to be calculated are selected by their ItemMpld, KorId, QualColId and only for Md flag.

Parameter

input - Instance of the message class CalcResultHtmlWithWorkPositionsMsg.

Returns

A string which contains the whole HTML file.

- string CalcResultHtmlWithWorkPositionsWithComplexityReference(CalcResultHtmlWithWorkPositionsWithComplexityReferenceMsg input)

Delivers a country specific string which contains HTML-code from which a HTML-File for the calculation result can be generated. The work positions to be calculated are selected by their ItemMpld, KorId, QualColId and only for Md flag.

Parameter

input - Instance of the message class CalcResultHtmlWithWorkPositionsWithComplexityReferenceMsg.

Returns

A string which contains the whole HTML file.

- IEnumerable<InWorkCalcResultValue> WorkCalc(WorkCalcMsg input)

Delivers a collection containing the calculated work positions for the selected TecRMI type id and work ids with the given labour times body id and maintenance data body id.

Parameter

input - Instance of the message class WorkCalcMsg.

Returns

The result of the work calculations.

Exception

System.ArgumentException - This method throws an ArgumentException when this method is called with an invalid vehicle / country combination.

System.ArgumentException - This method throws an ArgumentException if the passed vehicle is not allowed to be calculated in this country.

System.ArgumentException - This method throws an ArgumentException when one of the passed work ids is not valid for the given vehicle.

- IEnumerable<InWorkCalcWithComplexityResultValue> WorkCalcWithComplexityReference(

WorkCalcWithComplexityReferenceMsg input)

Delivers a collection containing the calculated work positions for the selected TecRMI type id and work ids with the given labour times body id and maintenance data body id.

Parameter

input - Instance of the message class WorkCalcWithComplexityReferenceMsg.

Returns

The result of the work calculations.

Exception

System.ArgumentException - This method throws an ArgumentException when this method is called with an invalid vehicle / country combination.

System.ArgumentException - This method throws an ArgumentException if the passed vehicle is not allowed to be calculated in this country.

System.ArgumentException - This method throws an ArgumentException when one of the passed work ids is not valid for the given vehicle.

**- IEnumerable<InWorkCalcResultValue> WorkCalcWithWorkPositions(
WorkCalcWithWorkPositionsMsg input)**

Delivers a collection containing the calculated work positions for the selected TecRMI type id and work ids with the given labour times body id and maintenance data body id.

Parameter

input - Instance of the message class WorkCalcWithWorkPositionsMsg.

Returns

The result of the work calculations.

Exception

System.ArgumentException - This method throws an ArgumentException when this method is called with an invalid vehicle / country combination.

System.ArgumentException - This method throws an ArgumentException if the passed vehicle is not allowed to be calculated in this country.

System.ArgumentException - This method throws an ArgumentException when one of the passed work ids is not valid for the given vehicle.

**- IEnumerable<InWorkCalcWithComplexityResultValue>
WorkCalcWithWorkPositionsWithComplexityReference(
WorkCalcWithWorkPositionsWithComplexityReferenceMsg input)**

Delivers a collection containing the calculated work positions for the selected TecRMI type id and work ids with the given labour times body id and maintenance data body id.

Parameter

input - Instance of the message class WorkCalcWithWorkPositionsWithComplexityReferenceMsg.

Returns

The result of the work calculations.

Exception

System.ArgumentException - This method throws an ArgumentException when this method is called with an invalid vehicle / country combination.

System.ArgumentException - This method throws an ArgumentException if the passed vehicle is not allowed to be calculated in this country.

System.ArgumentException - This method throws an ArgumentException when one of the passed work ids is not valid for the given vehicle.

- IEnumerable<InItemMpGenArt> GenArtsForItemMplds(GenArtsForItemMpldsMsg input)

Delivers a collection with the TecDoc generic article numbers for the given item mount position ids.

Parameter

input - Instance of the message class GenArtsForItemMpldsMsg.

Returns

A collection of TecDoc generic article numbers.

- IEnumerable<InItemMpGenArt> GenArtsForWorkIds(GenArtsForWorkIdsMsg input)

Delivers a collection with all the TecDoc generic article numbers for the given work ids.

Parameter

input - Instance of the message class GenArtsForWorkIdsMsg.

Returns

A collection of TecDoc generic article numbers.

- IEnumerable<InPaintPartSetItemMp> PartsForItemMps(PartsForItemMpsMsg input)

Delivers collection of spare parts for the given item mount positions.

Parameter

input - Instance of the message class PartsForItemMpsMsg.

Returns

A collection of parts.

- IEnumerable<InPartSetItemMpWithQualifiers> PartsForItemMpsIncludingQualifiers(PartsForItemMpsIncludingQualifiersMsg input)

Delivers collection of spare parts for the given item mount positions. 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 parts, if there is no exact filter match use the part labeled with the qualifier collection standard.

Parameter

input - Instance of the message class PartsForItemMpsIncludingQualifiersMsg.

Returns

A collection of parts.

- IEnumerable<InPaintPartSetItemMp> PartsForWorks(PartsForWorksMsg input)

Delivers all existing spare part information for the given list of work ids.

Parameter

input - Instance of the message class PartsForWorksMsg.

Returns

A collection of spare parts.

- IEnumerable<InPartSetItemMpWithQualifiers> PartsForWorksIncludingQualifiers(PartsForWorksIncludingQualifiersMsg input)

Delivers all existing spare part information for the given list of work ids. 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 parts, if there is no exact filter match use the part labeled with the qualifier collection standard.

Parameter

input - Instance of the message class PartsForWorksIncludingQualifiersMsg.

Returns

A collection of spare parts.

- IEnumerable<InPaintPartSetItemMp> PartsForWorksWithWorkPositions(PartsForWorksWithWorkPositionsMsg input)

Delivers all existing spare part information for the given list of work ids.

Parameter

input - Instance of the message class PartsForWorksWithWorkPositionsMsg.

Returns

A collection of spare parts.

- IEnumerable<InPartSetItemMpWithQualifiers> PartsForWorksWithWorkPositionsIncludingQualifiers(

PartsForWorksWithWorkPositionsIncludingQualifiersMsg input)

Delivers all existing spare part information for the given list of work ids. 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 parts, if there is no exact filter match use the part labeled with the qualifier collection standard.

Parameter

input - Instance of the message class PartsForWorksWithWorkPositionsIncludingQualifiersMsg.

Returns

A collection of spare parts.

- List<WorkMetadata> WorkMetadata(WorkMetadataMsg input)

Gets the metadata associated with the passed labour times work ids. The metadata consists of a flag whether there is a hint in the Adjustment data module that new fastener (e.g. new screws or nuts) has to be used for this work.

Parameter

input - Instance of message classWorkMetadataMsg

Returns

Information about required special tools to do the selected work.

Object Model

1. CalcParameter

1.1. Summary

Class [RestRMI.Areas.Basket.Models.CalcParameter](#) contains two properties which can be used to add additional parameters to the calculation method (eg. sales tax or small part addition).

1.2. Example

```
var optCalcParam = new CalcParameter();  
optCalcParam.KindOfParameter = InKindOfOptCalcParam.SalesTaxRate;  
optCalcParam.ParameterValue = 19m;  
// 19 as decimal value;
```

1.3. Detailed Module Documentation

1.3.1. Properties

- [InKindOfOptCalcParam](#) KindOfParameter

Gets or sets the kind of parameter which describes what kind of information is passed through the property ParameterValue.
Possible values are the members of the enum
InKindOfOptCalcParam.

Property-Value

The kind of parameter.

- **decimal** ParameterValue

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

Property-Value

The parameter value.

2. CalcResultHtmlMsg

2.1. Summary

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

2.2. Detailed Module Documentation

2.2.1. 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.

- **bool IsCompositeCalc**

Gets or sets a value indicating whether the calculation should consider composite calc or not.

Property-Value

true if composite is going to be used; otherwise, false.

- **KindOfWorkTimeData KindOfWorkTime**

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

Property-Value

The kind of unit of the work time.

- **string LanguageCode**

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

Property-Value

The ISO language code.

- **int LtBodyQualCollId**

Gets or sets the body qualifier id for labour times work positions 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.

- **int MdBodyQualCollId**

Gets or sets the body qualifier id for maintenance work positions 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.

- **List<CalcParameter> OptCalcParameters**

Gets or sets a collection of optional calculation parameters. Passing values it is possible to improve the calculation

result by using small part addition, sales tax, etc.

Remarks

The value of the KindOfParameter property has to be unique in the collection. The possible values are the member of the KindOfOptionalHeaderValue. enum.

Property-Value

The optional calculation parameters.

- List<OptHeaderValue> OptHeaderValues

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

Remarks

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

Property-Value

The optional header values.

- List<PaintWorkPosSettings> PaintSettings

Gets or sets a collection of the settings class PaintSettings.

Property-Value

The paint settings.

- List<InSelectedPartValue> SelectedPartData

Gets or sets a collection with information about the parts which are actual selected.

Property-Value

The selected parts.

- List<Int32> SelectedWorkIds

Gets or sets a collection with the ids of the selected work positions. This ids can be fetched by using the webservice methods MdWorkSteps(MdWorkStepsMsg and LtWorkSteps(LtWorkStepsMsg).

Property-Value

The selected work position ids.

- bool ShowPaint

Gets or sets a value indicating whether to enable paint.

Property-Value

true if show paint, false if not.

- 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.

3. CalcResultHtmlWithComplexityReferenceMsg

3.1. Summary

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

3.2. Detailed Module Documentation

3.2.1. 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.

- **bool IsCompositeCalc**

Gets or sets a value indicating whether the calculation should consider composite calc or not.

Property-Value

true if composite is going to be used; otherwise, false.

- **KindOfWorkTimeData KindOfWorkTime**

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

Property-Value

The kind of unit of the work time.

- **string LanguageCode**

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

Property-Value

The ISO language code.

- **int LtBodyQualCollId**

Gets or sets the body qualifier id for labour times work positions 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.

- int MdBodyQualCollId

Gets or sets the body qualifier id for maintenance work positions 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.

- List<CalcParameter> OptCalcParameters

Gets or sets a collection of optional calculation parameters. Passing values it is possible to improve the calculation

result by using small part addition, sales tax, etc.

Remarks

The value of the KindOfParameter property has to be unique in the collection. The possible values are the member of the KindOfOptionalHeaderValue. enum.

Property-Value

The optional calculation parameters.

- List<OptHeaderValue> OptHeaderValues

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

Remarks

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

Property-Value

The optional header values.

- List<PaintWorkPosSettings> PaintSettings

Gets or sets a collection of the settings class PaintSettings.

Property-Value

The paint settings.

- List<InSelectedPartValue> SelectedPartData

Gets or sets a collection with information about the parts which are actual selected.

Property-Value

The selected parts.

- List<InWorkIdWithComplexity> SelectedWorkIdsWithComplexity

Gets or sets a collection with the ids of the selected work positions. This ids can be fetched by using the web service methods MdWorkSteps(MdWorkStepsMsg),

Works(WorksMsg)

and LtWorkSteps(LtWorkStepsMsg).

Optionally is it possible to pass an own complexity level together with the identifier which will then be used during the calculation.

Property-Value

The selected work position ids.

- bool ShowPaint

Gets or sets a value indicating whether to enable paint.

Property-Value

true if show paint, false if not.

- 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. CalcResultHtmlWithWorkPositionsMsg

4.1. Summary

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

CalcResultHtmlWithWorkPositions(CalcResultHtmlWithWorkPositionsMsg).

4.2. Detailed Module Documentation

4.2.1. Properties

- string ConsumerId

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

Property-Value

The 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.

- bool IsCompositeCalc

Gets or sets a value indicating whether the calculation should consider composite calc or not.

Property-Value

true if composite is going to be used; otherwise, false.

- [KindOfWorkTimeData](#) KindOfWorkTime

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

Property-Value

The kind of unit of the work time.

- [string](#) LanguageCode

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

Property-Value

The ISO language code.

- [int](#) LtBodyQualCollId

Gets or sets the body qualifier id for labour times work positions 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.

- [int](#) MdBodyQualCollId

Gets or sets the body qualifier id for maintenance work positions 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.

- [List<CalcParameter>](#) OptCalcParameters

Gets or sets a collection of optional calculation parameters. Passing values it is possible to improve the calculation

result by using small part addition, sales tax, etc.

Remarks

The value of the KindOfParameter property has to be unique in the collection. The possible values are the member of the KindOfOptionalHeaderValue. enum.

Property-Value

The optional calculation parameters.

- [List<OptHeaderValue>](#) OptHeaderValues

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

Remarks

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

Property-Value

The optional header values.

- **List<[PaintWorkPosSettings](#)> PaintSettings**

Gets or sets a collection of the settings class PaintSettings.

Property-Value

The paint settings.

- **List<[InSelectedPartValue](#)> SelectedPartData**

Gets or sets a collection with information about the parts which are actual selected.

Property-Value

The selected parts.

- **List<[InWorkPosition](#)> SelectedWorkPositions**

Gets or sets a collection with selected work positions represented by ItemMpld, KorId, QualColId and only for maintenance. This values can be fetched by using the

webservice methods `ServiceMd.GetMdWorkSteps(...)` and

`ServiceLt.GetLtWorkSteps(...)`

Property-Value

The selected work position.

- **bool ShowPaint**

Gets or sets a value indicating whether to enable paint.

Property-Value

true if show paint, false if not.

- **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.

5. CalcResultHtmlWithWorkPositionsWithComplexityReferenceMsg

5.1. Summary

Class

[RestRMI.Areas.Basket.Models.CalcResultHtmlWithWorkPositionsWithComplexityReferenceMsg](#)

contains the properties which are necessary to call the web service method

[CalcResultHtmlWithWorkPositionsWithComplexityReference](#) .

5.2. Detailed Module Documentation

5.2.1. Properties

- string ConsumerId

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

Property-Value

The 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.

- bool IsCompositeCalc

Gets or sets a value indicating whether the calculation should consider composite calc or not.

Property-Value

true if composite is going to be used; otherwise, false.

- [KindOfWorkTimeData](#) KindOfWorkTime

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

Property-Value

The kind of unit of the work time.

- string LanguageCode

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

Property-Value

The ISO language code.

- int LtBodyQualCollId

Gets or sets the body qualifier id for labour times work positions 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.

- int MdBodyQualCollId

Gets or sets the body qualifier id for maintenance work positions 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.

- List<[CalcParameter](#)> OptCalcParameters

Gets or sets a collection of optional calculation parameters. Passing values it is possible to improve the calculation

result by using small part addition, sales tax, etc.

Remarks

The value of the KindOfParameter property has to be unique in the collection. The possible values are the member of the KindOfOptionalHeaderValue. enum.

Property-Value

The optional calculation parameters.

- List<OptHeaderValue> OptHeaderValues

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

Remarks

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

Property-Value

The optional header values.

- List<PaintWorkPosSettings> PaintSettings

Gets or sets a collection of the settings class PaintSettings.

Property-Value

The paint settings.

- List<InSelectedPartValue> SelectedPartData

Gets or sets a collection with information about the parts which are actually selected.

Property-Value

The selected parts.

- List<InWorkPositionWithComplexity> SelectedWorkPositionsWithComplexity

Gets or sets a collection with selected work positions represented by ItemMplId, KorId, QualColId and only for maintenance. This ids can be fetched by using the

web service methods MdWorkSteps(MdWorkStepsMsg),

Works(WorksMsg)

and LtWorkSteps(LtWorkStepsMsg).

Optionally is it possible to pass an own complexity level together with the identifier which will then be used during the calculation.

Property-Value

The selected work position.

- bool ShowPaint

Gets or sets a value indicating whether to enable paint.

Property-Value

true if show paint, false if not.

- 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. GenArtsForItemMpldsMsg

6.1. Summary

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

6.2. Detailed Module Documentation

6.2.1. Properties

- string ConsumerId

Unique identifier for end user which receives the called data.

Property-Value

Unique end user identifier.

- List<Int32> ItemMplds

Gets or sets a collections of item mount position ids to search for.

Property-Value

The item mount position ids.

7. GenArtsForWorkIdsMsg

7.1. Summary

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

7.2. Detailed Module Documentation

7.2.1. Properties

- string ConsumerId

Unique identifier for end user which receive the called data.

Property-Value

Unique end user identifier.

- List<Int32> WorkIds

Gets or sets the work position ids to search for.

Property-Value

The work position ids.

8. InItemMpGenArt

8.1. Summary

Represents an item mount position along with a generic article for IN.

8.2. Detailed Module Documentation

8.2.1. Properties

- **int GenArtNo**

Gets or sets the generic article number.

Property-Value

The generic article number.

- **Nullable<Int32> GenCritNo**

Gets or sets the generic criterion number.

Property-Value

The generic criterion number.

- **string GenCritValue**

Gets or sets the generic criterion value.

Property-Value

The generic criterion value.

- **int ItemMpld**

Gets or sets the item mount position id.

Property-Value

The item mount position id.

9. InKindOfModuleTyp

9.1. Summary

Specifies the kinds of modules for IN.

9.2. Detailed Module Documentation

9.2.1. Enums

- Md

Modultyp is maintenance data.

- **Lt**

Modultyp is labour times.

- **Paint**

An enum constant representing the paint option.

- **FreePosition**

An enum constant representing the free position option.

10. InKindOfOptCalcParam

10.1. Summary

Specifies the kinds of optional calculation parameters for IN. The calculation parameters are used during invoice calculation.

10.2. Detailed Module Documentation

10.2.1. Enums

- **MechanicsWorkHourRate**

The optional calculation parameter is a mechanics work hour rate.

- **BodyWorkHourRate**

The optional calculation parameter is a body work hour rate.

- **ElectronicsWorkHourRate**

The optional calculation parameter is an electronics work hour rate.

- **SalesTaxRate**

The optional calculation parameter is a sales tax rate.

- **SmallPartAdditionRate**

The optional calculation parameter is a small part addition rate.

- **PaintWorkHourRate**

The optional calculation parameter is a paint work hour rate.

- **PaintSmallPartAddition**

The optional calculation parameter is a small part addition rate for paint.

- **PaintFactorUni**

The optional calculation parameter is a factor for uni paint.

- **PaintFactorTwoLayered**

The optional calculation parameter is a factor for two-layered paint.

- **PaintFactorMultiLayered**

The optional calculation parameter is a factor for multi-layered paint.

- **T1HourRate**

The optional calculation parameter is a factor for T1 hour rate.

- T2HourRate

The optional calculation parameter is a factor for T2 hour rate.

- T3HourRate

The optional calculation parameter is a factor for T3 hour rate.

- T4HourRate

The optional calculation parameter is a factor for T4 hour rate.

11. InKindOfPositionTyp

11.1. Summary

Specifies the kinds of position for IN.

11.2. Detailed Module Documentation

11.2.1. Enums

- WorkPosition

Position is a work position.

- InclusivePosition

Position is an inclusive position.

- ExclusivePosition

Position is an exclusive position.

12. InPaintPartData

12.1. Summary

Represents part data for IN.

12.2. Detailed Module Documentation

12.2.1. 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 IsCustomPartPrice

Gets or sets a value indicating whether the part price is user defined by material factor greater than 1.

Property-Value

true if the part price is user defined by material factor greater than 1, false if not.

- **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 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.

- **KindOfPart KindOfPart**

Gets or sets the kind of part.

Property-Value

The kind of part.

- **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 PartQualCollId

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.

13. InPaintPartSetItemMp

13.1. Summary

Represents a item mount position of a part set for the invoice part.

13.2. Detailed Module Documentation

13.2.1. Properties

- bool IsLocked

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

Property-Value

true if this part set 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 ItemMpText

Gets or sets the text of the item mount position.

Property-Value

The item mount position text.

- List<InPaintPartSetQualCol> PartSetQualCols

Gets or sets the qualifier collections of the part set.

Property-Value

The part set qualifier collections.

- Nullable<Int32> WorkId

Gets or sets the id of the work position.

Property-Value

The work id.

14. InPaintPartSetQualCol

14.1. Summary

Represents a part set qualifier collection for IN

14.2. Detailed Module Documentation

14.2.1. Properties

- bool IsNotToOrder

Former parameter for indicating whether this part set qualifier collection is not to order. Parameter is moved to class InPartData. The value will always be false.

Deprecated:

Parameter is moved to class InPartData. The value of this parameter will further always be false.

Property-Value

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

- bool IsSet

Gets or sets a value indicating whether this part set qualifier collection is set.

Property-Value

true if this part set qualifier collection is set; otherwise, false.

- List<InPaintPartData> Parts

Gets or sets a list with parts.

Property-Value

The parts.

- 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 SetPartId

Gets or sets the set part id.

Property-Value

The set part id.

15. InPartAmount

15.1. Summary

Represents a part amount for IN.

15.2. Detailed Module Documentation

15.2.1. 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 ItemMpld

Gets or sets the item mount position id.

Property-Value

The item mount position id.

- int QualCollId

Gets or sets the id of the qualifier collection.

Property-Value

The qualifier collection id.

- **string QualColText**

Gets or sets the text of the qualifier collection.

Property-Value

The qualifier collection text.

- **string Quantity**

Gets or sets the quantity.

Property-Value

The quantity.

16. InPartData

16.1. Summary

Represents part data for IN.

16.2. Detailed Module Documentation

16.2.1. 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 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 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 PartQualCollId**

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.

17. InPartSetItemMpWithQualifiers

17.1. Summary

Represents a item mount position of a part set for the invoice part.

17.2. Detailed Module Documentation

17.2.1. Properties

- **bool IsLocked**

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

Property-Value

true if this part set 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 ItemMpText**

Gets or sets the text of the item mount position.

Property-Value

The item mount position text.

- **List<[InPartSetQualColWithQualifiers](#)> PartSetQualCols**

Gets or sets the qualifier collections of the part set.

Property-Value

The part set qualifier collections.

- **Nullable<Int32> WorkId**

Gets or sets the id of the work position.

Property-Value

The work id.

18. InPartSetQualColWithQualifiers

18.1. Summary

Represents a part set qualifier collection for IN

18.2. Detailed Module Documentation

18.2.1. Properties

- **bool IsNotToOrder**

Former parameter for indicating whether this part set qualifier collection is not to order. Parameter is moved to class InPartData. The value will always be false.

Deprecated:

Parameter is moved to class InPartData. The value of this parameter will further always be false.

Property-Value

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

- **bool IsSet**

Gets or sets a value indicating whether this part set qualifier collection is set.

Property-Value

true if this part set qualifier collection is set; otherwise, false.

- **List<InPartData> Parts**

Gets or sets a list with parts.

Property-Value

The parts.

- **int QualCollId**

Gets or sets the id of the qualifier collection.

Property-Value

The qualifier collection id.

- **string QualColText**

Gets or sets the text of the qualifier collection.

Property-Value

The qualifier collection text.

- **List<QualifierData> Qualifiers**

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

Property-Value

The individual qualifiers of the QualCollId.

- **int SetPartId**

Gets or sets the set part id.

Property-Value

The set part id.

19. InSelectedPartValue

19.1. Summary

Represents a selected part value for IN.

19.2. Detailed Module Documentation

19.2.1. Properties

- **int ItemMplId**

Gets or sets the item mount position id.

Property-Value

The item mount position id.

- **decimal PartAmount**

Gets or sets the part amount.

Property-Value

The part amount.

- **int PartAmountQualCollId**

Gets or sets the part amount qualifier collection id.

Property-Value

The part amount qualifier collection id.

- **string PartNo**

Gets or sets the part number.

Property-Value

The part number.

- **decimal PartPrice**

Gets or sets the part price.

Property-Value

The part price.

- **int PartQualCollId**

Gets or sets the part qualifier collection id.

Property-Value

The part qualifier collection id.

19.2.2. Methods

- **bool Equals(InSelectedPartValue obj)**

Determines whether the specified object is equal to the current object.

Parameter

obj - The object to compare with the current object.

Returns

True if the specified object is equal to the current object; otherwise, false.

- int GetHashCode()

Returns a hash code for this instance.

Returns

A hash code for this instance, suitable for use in hashing algorithms and data structures like a hash table.

20. InWorkCalcResultValue

20.1. Summary

Represents a work calculation result value for IN.

20.2. Detailed Module Documentation

20.2.1. Properties

- Nullable<Single> CalculatedTime

Gets or sets the calculated time.

Property-Value

The calculated time.

- bool IsAdcTime

Gets or sets a value indicating whether this instance is adc time.

Property-Value

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

- bool IsCompositeTime

Gets or sets a value indicating whether this work calculation result value is a composite time.

Property-Value

true if this work calculation result value is a composite time; otherwise, false.

- bool IsNetWorkTime

Gets or sets a value indicating whether this work calculation result value is a net work time.

Property-Value

true if this work calculation result value is a net work time; otherwise, false.

- 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 ItemMpld**

Gets or sets the item mount position id.

Property-Value

The item mount position id.

- **KindOfWork KindOfWork**

Gets or sets the kind of work id.

Property-Value

The kind of work id.

- **KindOfWorkTimeData KindOfWorkTimeData**

Gets or sets the kind of work time data.

Property-Value

The kind of work time data.

- **int KorId**

Gets or sets the kind of repair id.

Property-Value

The kind of repair id.

- **InKindOfModuleTyp Modul**

Gets or sets the kind of module.

Property-Value

The kind of module.

- **Nullable<Single> OriginalTime**

Gets or sets the original time.

Property-Value

The original time.

- **InKindOfPositionTyp Position**

Gets or sets the position.

Property-Value

The position.

- **int QualCollId**

Gets or sets the qualifier collection id.

Property-Value

The qualifier collection id.

- int TopWorkid

Gets or sets the top work id.

Property-Value

The top work id.

- int Workid

Gets or sets the work id.

Property-Value

The work id.

- string WorkPositionNo

Gets or sets the work position number.

Property-Value

The work position number.

- string WorkPosText

Gets or sets the qualifier collection text.

Property-Value

The qualifier collection text.

21. InWorkCalcWithComplexityResultValue

21.1. Summary

Represents a work calculation result value for IN.

21.2. Detailed Module Documentation

21.2.1. Properties

- Nullable<Single> CalculatedTime

Gets or sets the calculated time.

Property-Value

The calculated time.

- Nullable<[KindOfComplexityReference](#)> Complexity

Gets or sets the used complexity reference value.

Property-Value

The complexity reference.

- bool IsAdcTime

Gets or sets a value indicating whether this instance is adc time.

Property-Value

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

- bool IsCompositeTime

Gets or sets a value indicating whether this work calculation result value is a composite time.

Property-Value

true if this work calculation result value is a composite time; otherwise, false.

- bool IsNetWorkTime

Gets or sets a value indicating whether this work calculation result value is a net work time.

Property-Value

true if this work calculation result value is a net work time; otherwise, false.

- 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 ItemMpld

Gets or sets the item mount position id.

Property-Value

The item mount position id.

- [KindOfWork](#) KindOfWork

Gets or sets the kind of work id.

Property-Value

The kind of work id.

- [KindOfWorkTimeData](#) KindOfWorkTimeData

Gets or sets the kind of work time data.

Property-Value

The kind of work time data.

- int KorId

Gets or sets the kind of repair id.

Property-Value

The kind of repair id.

- [InKindOfModuleTyp](#) Modul

Gets or sets the kind of module.

Property-Value

The kind of module.

- **Nullable<Single> OriginalTime**

Gets or sets the original time.

Property-Value

The original time.

- **InKindOfPositionTyp Position**

Gets or sets the position.

Property-Value

The position.

- **int QualCollId**

Gets or sets the qualifier collection id.

Property-Value

The qualifier collection id.

- **int TopWorkid**

Gets or sets the top work id.

Property-Value

The top work id.

- **int Workid**

Gets or sets the work id.

Property-Value

The work id.

- **string WorkPositionNo**

Gets or sets the work position number.

Property-Value

The work position number.

- **string WorkPosText**

Gets or sets the qualifier collection text.

Property-Value

The qualifier collection text.

22. InWorkIdWithComplexity

22.1. Summary

A work position identifier combined complexity.

22.2. Detailed Module Documentation

22.2.1. Properties

- Nullable<[KindOfComplexityReference](#)> **Complexity**

Gets or sets an optional value to overwrite the default complexity reference value.

If it is set to the value NULL the complexity value from the database is used, otherwise the passed value!

Property-Value

The complexity reference.

- **string DisplayComplexityString**

Gets the display representation for the current complexity value.

Property-Value

The string representation.

- **int WorkId**

Gets or sets the identifier of the work.

Property-Value

The work identifier.

22.2.2. Methods

- **bool Equals([InWorkIdWithComplexity](#) other)**

Indicates whether the current object is equal to another object of the same type.

Parameter

other - An object to compare with this object.

Returns

if the current object is equal to the parameter; otherwise, .

23. InWorkPosition

23.1. Summary

Represents a work position for IN.

23.2. Detailed Module Documentation

23.2.1. Properties

- bool IsMdWorkPos

Gets or sets a value indicating whether this work position is a maintenance work position.

Property-Value

true if this work position is a maintenance work position; otherwise, false.

- int ItemMpld

Gets or sets the id of the item mount position.

Property-Value

The item mount position id.

- int KorId

Gets or sets the id of the kind of repair.

Property-Value

The kind of repair id.

- int QualCollId

Gets or sets the id of the qualifier collection.

Property-Value

The qualifier collection id.

24. InWorkPositionWithComplexity

24.1. Summary

A work position extended with their complexity reference.

24.2. Detailed Module Documentation

24.2.1. Properties

- Nullable<[KindOfComplexityReference](#)> Complexity

Gets or sets an optional value to overwrite the default complexity reference value.

If it is set to the value NULL the complexity value from the database is used, otherwise the passed value!

Property-Value

The complexity reference.

- bool IsMdWorkPos

Gets or sets a value indicating whether this work position is a maintenance work position.

Property-Value

true if this work position is a maintenance work position; otherwise, false.

- int ItemMpld

Gets or sets the id of the item mount position.

Property-Value

The item mount position id.

- **int KorId**

Gets or sets the id of the kind of repair.

Property-Value

The kind of repair id.

- **int QualCollId**

Gets or sets the id of the qualifier collection.

Property-Value

The qualifier collection id.

25. ItemMpldForGenArtMsg

25.1. Summary

Class [RestRMI.Areas.Basket.Models.ItemMpldForGenArtMsg](#) contains the properties which are necessary to call the web service method `ItemMpldForGenArt(ItemMpldForGenArtMsg)`.

25.2. Detailed Module Documentation

25.2.1. Properties

- **string ConsumerId**

Unique identifier for end user which receive the called data.

Property-Value

Unique end user identifier.

- **int GenArtNo**

Gets or sets the generic article number to search for.

Property-Value

The generic article number.

- **Nullable<Int32> GenKritNo**

Gets or sets the generic criterion number to search for.

Property-Value

The generic criterion number.

- **string GenKritValue**

Gets or sets the generic criterion value to search for.

Property-Value

The generic criterion value.

26. KindOfAddition

26.1. Summary

Enum **KindOfAdditions** specifies the kind of the additions.

26.2. Detailed Module Documentation

26.2.1. Enums

- **Undercoating**

The kind of the addition 'Undercoating'.

- **TwoSidePaint**

The kind of the addition 'Two side paint'.

- **Prepainting**

The kind of the addition 'Pre-painting'.

- **MixPaint**

The kind of the addition 'Mix paint'.

- **ColorPattern**

The kind of the addition 'Color pattern'.

- **TwoColorsPaint**

The kind of the addition 'Two colors paint'.

27. KindOfAssembly

27.1. Summary

Enum **KindOfAssembly** specifies the kind of assembly.

27.2. Detailed Module Documentation

27.2.1. Enums

- **Screwed**

The kind of assembly 'screwed'.

- **WeldedOrGlued**

The kind of assembly 'welded or glued'.

28. KindOfComplexityReference

28.1. Summary

Values that represents the possible complexity levels.

28.2. Detailed Module Documentation

28.2.1. Enums

- **T1**

An enum constant representing the T1 complexity.

- **T2**

An enum constant representing the T2 complexity.

- **T3**

An enum constant representing the T3 complexity.

- **T4**

An enum constant representing the T4 complexity.

29. KindOfInstallation

29.1. Summary

Enum **KindOfInstallation** specifies the kind of the installation.

29.2. Detailed Module Documentation

29.2.1. Enums

- **Installed**

The kind of installation 'Installed'.

- **Dismounted**

The kind of material 'Dismounted'.

30. KindOfMaterial

30.1. Summary

Enum **KindOfMaterial** specifies the kind of material.

30.2. Detailed Module Documentation

30.2.1. Enums

- **Metal**

The kind of material 'metal'.

- **Plastic**

The kind of material 'plastic'.

31. KindOfOptionalHeaderValue

31.1. Summary

Some of the HTML generation methods offer the possibility to pass different header values optionally. This

enumeration specifies the kinds of header values that are allowed.

31.2. Detailed Module Documentation

31.2.1. Enums

- **Date**

The optional header value is a date.

- **Customer**

The optional header value is a customer.

- **PhoneNo**

The optional header value is a phone number.

- **Job**

The optional header value is a job.

- **No**

The optional header value is a number.

- **Mileage**

The optional header value is a milage.

- **Culture**

The culture for formating decimal values.

- **DecimalFormat**

The formating string for formatting decimal values

- **WorkTime**

An enum constant representing the work time option.

32. KindOfPaint

32.1. Summary

Enum **KindOfPaint** specifies the kind of paint.

32.2. Detailed Module Documentation

32.2.1. Enums

- **Uni**

Uni.

- **TwoLayered**

Two layered.

- **MultiLayered**

Multi layered.

33. KindOfPaintStage

33.1. Summary

Enum **KindOfPaintStage** specifies the stage of paint.

33.2. Detailed Module Documentation

33.2.1. Enums

- **S1**

The paint stage 'S1'.

- **S2**

The paint stage 'S2'.

- **S3**

The paint stage 'S3'.

- **S4**

The paint stage 'S4'.

34. KindOfWork

34.1. Summary

Enum **KindOfWork** specifies the kind of work of a work calculation result value.

34.2. Detailed Module Documentation

34.2.1. Enums

- **Mechanics**

A work position is a mechanics work position.

- **Body**

A work position is a body work position.

- **Electronics**

A work position is a electronics work position.

- **Paint**

A work on the paint.

35. KindOfWorkTimeData

35.1. Summary

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

35.2. Detailed Module Documentation

35.2.1. Enums

- **DecimalWorkHours**

The work time is displayed in decimal work hours.

- **ManufacturerWorkPositions**

The work time is displayed in manufacturer work time units.

36. OptHeaderValue

36.1. Summary

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

36.2. Example

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

36.3. Detailed Module Documentation

36.3.1. Properties

- **string HeaderValue**

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

`KindOfHeaderValue`.

Property-Value

The header value.

- **KindOfOptionalHeaderValue KindOfHeaderValue**

Gets or sets the kind of header value which describes what kind of information

is passed through the property `HeaderValue`.

Possible values are the members of the enum

`KindOfOptionalHeaderValue`.

Property-Value

The kind of header value.

37. PaintWorkPosSettings

37.1. Summary

Represents settings for a work position for paint part of the AuDaLib which contains all necessary information for

selected settings for a work position for calculation.

37.2. Detailed Module Documentation

37.2.1. Properties

- [QualCol](#) AreaQualCol
Gets or sets the area qualifier collection.
- **bool** IsTwoSided
Gets or sets the two sided flag.
- **int** ItemMpld
Gets or sets the item mount position Id.
- **string** ItemMpText
Gets or sets the item mount position text.
- **List<[KindOfAddition](#)>** KindOfAdditions
Gets or sets the kind of additions.
- **[KindOfAssembly](#)** KindOfAssembly
Gets or sets the kind of assembly.
- **[KindOfInstallation](#)** KindOfInstallation
Gets or sets the kind of installation.
- **[KindOfMaterial](#)** KindOfMaterial
Gets or sets the kind of material.
- **[KindOfPaint](#)** KindOfPaint
Gets or sets the kind of paint.
- **[KindOfPaintStage](#)** KindOfPaintStage
Gets or sets the kind of paint stage.
- **Nullable<Int32>** PaintGroupld
Gets or sets the paint group Id.

38. PartsForItemMpsIncludingQualifiersMsg

38.1. Summary

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

PartsForItemMpsIncludingQualifiers(PartsForItemMpsIncludingQualifiersMsg).

38.2. Detailed Module Documentation

38.2.1. Properties

- **string** ConsumerId
Unique identifier for end user which receive the called data.

Property-Value

Unique end user identifier.

- string CountryCode

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

Property-Value

The ISO country code.

- string LanguageCode

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

Property-Value

The ISO language code.

- int LtBodyQualCollId

Gets or sets the body qualifier for labour times work positions 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.

- int MdBodyQualCollId

Gets or sets the body qualifier id for maintenance work positions 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.

- List<Int32> SelectedItemMplds

Gets or sets the selected item mount position ids for which the parts are to be queried.

Property-Value

The selected item mount position ids.

- 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.

39. PartsForItemMpsMsg

39.1. Summary

Class [RestRMI.Areas.Basket.Models.PartsForItemMpsMsg](#) contains the properties which are necessary to call the web service method `PartsForItemMps(PartsForItemMpsMsg)`.

39.2. Detailed Module Documentation

39.2.1. Properties

- **string ConsumerId**

Unique identifier for end user which receive the called data.

Property-Value

Unique end user identifier.

- **string CountryCode**

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

Property-Value

The ISO country code.

- **string LanguageCode**

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

Property-Value

The ISO language code.

- **int LtBodyQualCollId**

Gets or sets the body qualifier for labour times work positions 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.

- **int MdBodyQualCollId**

Gets or sets the body qualifier id for maintenance work positions 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.

- **List<PaintWorkPosSettings> PaintSettings**

Gets or sets a collection of the settings class PaintSettings.

Property-Value

The paint settings.

- **List<Int32> SelectetItemMplds**

Gets or sets the selected item mount position ids for which the parts are to be queried.

Property-Value

The selectet item mount position ids.

- bool ShowPaint

Gets or sets a value indicating whether to enable paint.

Property-Value

true if show paint, false if not.

- 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.

40. PartsForWorksIncludingQualifiersMsg

40.1. Summary

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

PartsForWorksIncludingQualifiers(PartsForWorksIncludingQualifiersMsg).

40.2. Detailed Module Documentation

40.2.1. Properties

- string ConsumerId

Unique identifier for end user which receive the called data.

Property-Value

Unique end user identifier.

- string CountryCode

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

Property-Value

The ISO country code.

- string LanguageCode

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

Property-Value

The ISO language code.

- int LtBodyQualCollId

Gets or sets the body qualifier id for labour times work positions 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.

- int MdBodyQualCollId

Gets or sets the body qualifier id for maintenance work positions 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.

- List<Int32> SelectedWorkIds

Gets or sets a collection with the ids of the selected work positions. This ids can be fetched by using the webservice methods MdWorkSteps(MdWorkStepsMsg) and LtWorkSteps(LtWorkStepsMsg).

Property-Value

The selected work position ids.

- int Typeld

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

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

Property-Value

The TecRMI type id.

41. PartsForWorksMsg

41.1. Summary

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

41.2. Detailed Module Documentation

41.2.1. Properties

- string ConsumerId

Unique identifier for end user which receive the called data.

Property-Value

Unique end user identifier.

- string CountryCode

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

Property-Value

The ISO country code.

- string LanguageCode

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

Property-Value

The ISO language code.

- int LtBodyQualCollId

Gets or sets the body qualifier id for labour times work positions 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.

- int MdBodyQualCollId

Gets or sets the body qualifier id for maintenance work positions 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.

- List<PaintWorkPosSettings> PaintSettings

Gets or sets a collection of the settings class PaintSettings.

Property-Value

The paint settings.

- List<Int32> SelectedWorkIds

Gets or sets a collection with the ids of the selected work positions. This ids can be fetched by using the webservice methods MdWorkSteps(MdWorkStepsMsg) and LtWorkSteps(LtWorkStepsMsg).

Property-Value

The selected work position ids.

- bool ShowPaint

Gets or sets a value indicating whether to enable paint.

Property-Value

true if show paint, false if not.

- 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.

42. PartsForWorksWithWorkPositionsIncludingQualifiersMsg

42.1. Summary

Class [RestRMI.Areas.Basket.Models.PartsForWorksWithWorkPositionsIncludingQualifiersMsg](#)

contains the properties which are necessary to call the web service method

PartsForWorksWithWorkPositionsIncludingQualifiers(PartsForWorksWithWorkPositionsIncludingQualifiersMsg).

42.2. Detailed Module Documentation

42.2.1. Properties

- **string ConsumerId**

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

Property-Value

The unique end user identifier.

- **string CountryCode**

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

Property-Value

The ISO country code.

- **string LanguageCode**

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

Property-Value

The ISO language code.

- **int LtBodyQualCollId**

Gets or sets the body qualifier id for labour times work positions 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.

- **int MdBodyQualCollId**

Gets or sets the body qualifier id for maintenance work positions 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.

- **List<InWorkPosition> SelectedWorkPositions**

Gets or sets a collection with selected work positions represented by ItemMplId, KorId, QualCollId and only for maintenance. This values can be fetched by using the

webservice methods `ServiceMd.GetMdWorkSteps(...)` and

`ServiceLt.GetLtWorkSteps(...)`

Property-Value

The selected work position.

- **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.

43. PartsForWorksWithWorkPositionsMsg

43.1. Summary

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

PartsForWorksWithWorkPositions(PartsForWorksWithWorkPositionsMsg).

43.2. Detailed Module Documentation

43.2.1. Properties

- **string ConsumerId**

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

Property-Value

The unique end user identifier.

- **string CountryCode**

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

Property-Value

The ISO country code.

- **string LanguageCode**

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

Property-Value

The ISO language code.

- **int LtBodyQualCollId**

Gets or sets the body qualifier id for labour times work positions 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.

- **int MdBodyQualCollId**

Gets or sets the body qualifier id for maintenance work positions 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.

- **List<[PaintWorkPosSettings](#)> PaintSettings**

Gets or sets a collection of the settings class PaintSettings.

Property-Value

The paint settings.

- List<InWorkPosition> SelectedWorkPositions

Gets or sets a collection with selected work positions represented by ItemMpld, KorId, QualColId and only for maintenance. This values can be fetched by using the

webservice methods ServiceMd.GetMdWorkSteps(...) and

ServiceLt.GetLtWorkSteps(...)

Property-Value

The selected work position.

- bool ShowPaint

Gets or sets a value indicating whether to enable paint.

Property-Value

true if show paint, false if not.

- int Typeld

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

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

Property-Value

The TecRMI type id.

44. QualCol

44.1. Summary

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

44.2. Detailed Module Documentation

44.2.1. 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.

45. QualifierData

45.1. Summary

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

45.2. Detailed Module Documentation

45.2.1. 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.

46. WorkCalcMsg

46.1. Summary

Class [RestRMI.Areas.Basket.Models.WorkCalcMsg](#) contains the properties which are necessary to call the web service method `WorkCalc(WorkCalcMsg)`.

46.2. Detailed Module Documentation

46.2.1. 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.

- bool IsCompositeCalc

Gets or sets a value indicating whether the calculation should consider composite calculation or not.

Property-Value

true if composite calculation is going to be used; otherwise, false.

- [KindOfWorkTimeData](#) KindOfWorkTime

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

Property-Value

The kind of unit of the work time.

- string LanguageCode

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

Property-Value

The ISO language code.

- int LtBodyQualCollId

Gets or sets the body qualifier id for labour times work positions 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.

- int MdBodyQualCollId

Gets or sets the body qualifier id for maintenance work positions 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.

- List<[PaintWorkPosSettings](#)> PaintSettings

Gets or sets a collection of the settings class PaintSettings.

Property-Value

The paint settings.

- List<Int32> SelectedWorkIds

Gets or sets a collection with the ids of the selected work positions. This ids can be fetched by using the webservice methods MdWorkSteps(MdWorkStepsMsg) and LtWorkSteps(LtWorkStepsMsg).

Property-Value

The selected work position ids.

- bool ShowPaint

Gets or sets a value indicating whether to enable paint.

Property-Value

true if show paint, false if not.

- 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.

47. WorkCalcWithComplexityReferenceMsg

47.1. Summary

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

47.2. Detailed Module Documentation

47.2.1. 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.

- bool IsCompositeCalc

Gets or sets a value indicating whether the calculation should consider composite calculation or not.

Property-Value

true if composite calculation is going to be used; otherwise, false.

- [KindOfWorkTimeData](#) KindOfWorkTime

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

Property-Value

The kind of unit of the work time.

- **string LanguageCode**

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

Property-Value

The ISO language code.

- **int LtBodyQualCollId**

Gets or sets the body qualifier id for labour times work positions 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.

- **int MdBodyQualCollId**

Gets or sets the body qualifier id for maintenance work positions 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.

- **List<PaintWorkPosSettings> PaintSettings**

Gets or sets a collection of the settings class PaintSettings.

Property-Value

The paint settings.

- **List<InWorkIdWithComplexity> SelectedWorkIdsWithComplexity**

Gets or sets a collection with the ids of the selected work positions. This ids can be fetched by using the web service methods MdWorkSteps(MdWorkStepsMsg) and LtWorkSteps(LtWorkStepsMsg).

Optionally is it possible to pass an own complexity level together with the identifier which will then be used.

Property-Value

The selected work position ids.

- **bool ShowPaint**

Gets or sets a value indicating whether to enable paint.

Property-Value

true if show paint, false if not.

- **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.

48. WorkCalcWithWorkPositionsMsg

48.1. Summary

Class [RestRMI.Areas.Basket.Models.WorkCalcWithWorkPositionsMsg](#) contains the properties which are necessary to call the web service method `WorkCalcWithWorkPositions(WorkCalcWithWorkPositionsMsg)`.

48.2. Detailed Module Documentation

48.2.1. Properties

- **string ConsumerId**

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

Property-Value

The 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.

- **bool IsCompositeCalc**

Gets or sets a value indicating whether the calculation should consider composite calculation or not.

Property-Value

true if composite calculation is going to be used; otherwise, false.

- **KindOfWorkTimeData KindOfWorkTime**

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

Property-Value

The kind of unit of the work time.

- **string LanguageCode**

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

Property-Value

The ISO language code.

- **int LtBodyQualCollId**

Gets or sets the body qualifier id for labour times work positions 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.

- int MdBodyQualCollId

Gets or sets the body qualifier id for maintenance work positions 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.

- List<PaintWorkPosSettings> PaintSettings

Gets or sets a collection of the settings class PaintSettings.

Property-Value

The paint settings.

- List<InWorkPosition> SelectedWorkPositions

Gets or sets a collection with selected work positions represented by ItemMplId, KorId, QualCollId and only for maintenance. This values can be fetched by using the

webservice methods ServiceMd.GetMdWorkSteps(...) and

ServiceLt.GetLtWorkSteps(...)

Property-Value

The selected work position.

- bool ShowPaint

Gets or sets a value indicating whether to enable paint.

Property-Value

true if show paint, false if not.

- 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.

49. WorkCalcWithWorkPositionsWithComplexityReferenceMsg

49.1. Summary

Class [RestRMI.Areas.Basket.Models.WorkCalcWithWorkPositionsWithComplexityReferenceMsg](#)

contains the properties which are necessary to call the web service method

[WorkCalcWithWorkPositionsWithComplexityReference](#) .

49.2. Detailed Module Documentation

49.2.1. Properties

- string ConsumerId

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

Property-Value

The 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.

- bool IsCompositeCalc

Gets or sets a value indicating whether the calculation should consider composite calculation or not.

Property-Value

true if composite calculation is going to be used; otherwise, false.

- [KindOfWorkTimeData](#) KindOfWorkTime

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

Property-Value

The kind of unit of the work time.

- string LanguageCode

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

Property-Value

The ISO language code.

- int LtBodyQualCollId

Gets or sets the body qualifier id for labour times work positions 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.

- int MdBodyQualCollId

Gets or sets the body qualifier id for maintenance work positions 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.

- List<[PaintWorkPosSettings](#)> PaintSettings

Gets or sets a collection of the settings class PaintSettings.

Property-Value

The paint settings.

- List<InWorkPositionWithComplexity> SelectedWorkPositionsWithComplexity

Gets or sets a collection with selected work positions represented by ItemMplId, KorId, QualColId and only for maintenance. This values can be fetched by using the

webservice methods ServiceMd.GetMdWorkSteps(...) and ServiceLt.GetLtWorkSteps(...)

Property-Value

The selected work position.

- bool ShowPaint

Gets or sets a value indicating whether to enable paint.

Property-Value

true if show paint, false if not.

- 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.

50. WorkMetadata

50.1. Summary

A work metadata.

50.2. Detailed Module Documentation

50.2.1. Properties

- String[] InfoTexts

Gets or sets a list of additional texts.

Property-Value

Additional information.

- bool NewFastenerNeeded

Gets or sets a value indicating whether the new fastener are needed.

As a text representation for this property the text from property can be used.

Property-Value

True if new fastener needed, false if not.

- int WorkId

Gets or sets the identifier of the work.

Property-Value

The identifier of the work.

51. WorkMetadataMsg

51.1. Summary

Class [RestRMI.Areas.Basket.Models.WorkMetadataMsg](#) contains the properties which are necessary to call the web service methods `WorkMetadata(WorkMetadataMsg)`.

51.2. Detailed Module Documentation

51.2.1. 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> 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.