

# Interface Description

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## 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 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.

**- 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<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<InItemMpGenArt> GenArtsForItemMpIds(GenArtsForItemMpIdsMsg input)**

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

**Parameter**

input - Instance of the message class GenArtsForItemMpIdsMsg.

**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 class WorkMetadataMsg



**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. CalcResultHtmlWithWorkPositionsMsg

### 3.1. Summary

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

CalcResultHtmlWithWorkPositions(CalcResultHtmlWithWorkPositionsMsg).

### 3.2. Detailed Module Documentation

#### 3.2.1. 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, 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.

## 4. GenArtsForItemMpldsMsg

### 4.1. Summary

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

### 4.2. Detailed Module Documentation

#### 4.2.1. 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.

## 5. GenArtsForWorkIdsMsg

### 5.1. Summary

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

## 5.2. Detailed Module Documentation

### 5.2.1. 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.

## 6. InItemMpGenArt

### 6.1. Summary

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

## 6.2. Detailed Module Documentation

### 6.2.1. 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.



## 7. InKindOfModuleTyp

### 7.1. Summary

Specifies the kinds of modules for IN.

### 7.2. Detailed Module Documentation

#### 7.2.1. 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.

## 8. InKindOfOptCalcParam

### 8.1. Summary

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

### 8.2. Detailed Module Documentation

#### 8.2.1. 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.

## 9. InKindOfPositionTyp

### 9.1. Summary

Specifies the kinds of position for IN.

### 9.2. Detailed Module Documentation

#### 9.2.1. Enums

**- WorkPosition**

Position is a work position.

**- InclusivePosition**

Position is an inclusive position.

**- ExclusivePosition**

Position is an exclusive position.

## 10. InPaintPartData

### 10.1. Summary

Represents part data for IN.

### 10.2. Detailed Module Documentation

#### 10.2.1. 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.

## 11. InPaintPartSetItemMp

### 11.1. Summary

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

### 11.2. Detailed Module Documentation

#### 11.2.1. 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.

## 12. InPaintPartSetQualCol

### 12.1. Summary

Represents a part set qualifier collection for IN

### 12.2. Detailed Module Documentation

#### 12.2.1. 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.

## 13. InPartAmount

### 13.1. Summary

Represents a part amount for IN.

### 13.2. Detailed Module Documentation

#### 13.2.1. 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.

## 14. InPartData

### 14.1. Summary

Represents part data for IN.

### 14.2. Detailed Module Documentation

#### 14.2.1. Properties

- List<[InPartAmount](#)> Amounts

Gets or sets a list of part amounts.

**Property-Value**

The amounts.

- **string Currency**

Gets or sets the currency.

**Property-Value**

The currency.

- **bool IsLocked**

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

**Property-Value**

true if this part is locked; otherwise, false.

- **bool IsNotToOrder**

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

**Property-Value**

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

- **int ItemMpid**

Gets or sets the id of the item mount position.

**Property-Value**

The item mount position id.

- **string ItemMpText**

Gets or sets the text of the item mount position.

**Property-Value**

The item mount position text.

- **int PartId**

Gets or sets the part id.

**Property-Value**

The part id.

- **string PartNo**

Gets or sets the part number.

**Property-Value**

The part number.

- **Nullable<Decimal> PartPrice**

Gets or sets the part price.

**Property-Value**

The part price.

- **DateTime PartPriceDate**

Gets or sets the part price date.

**Property-Value**

The part price date.

- **string PartPriceSupplier**

Gets or sets the part price supplier.

**Property-Value**

The part price supplier.

- **int 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.

## 15. InPartSetItemMpWithQualifiers

### 15.1. Summary

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

### 15.2. Detailed Module Documentation

#### 15.2.1. 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.

## 16. InPartSetQualColWithQualifiers

### 16.1. Summary

Represents a part set qualifier collection for IN

## 16.2. Detailed Module Documentation

### 16.2.1. 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.

## 17. InSelectedPartValue

## 17.1. Summary

Represents a selected part value for IN.

## 17.2. Detailed Module Documentation

### 17.2.1. 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.

### 17.2.2. 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.

## 18. InWorkCalcResultValue

### 18.1. Summary

Represents a work calculation result value for IN.

### 18.2. Detailed Module Documentation

#### 18.2.1. 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.

## 19. InWorkPosition

### 19.1. Summary

Represents a work position for IN.

### 19.2. Detailed Module Documentation

#### 19.2.1. 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.

## 20. ItemMpldForGenArtMsg

### 20.1. Summary

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

### 20.2. Detailed Module Documentation

#### 20.2.1. 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.

## 21. KindOfAddition

## 21.1. Summary

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

## 21.2. Detailed Module Documentation

### 21.2.1. 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'.

## 22. KindOfAssembly

### 22.1. Summary

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

## 22.2. Detailed Module Documentation

### 22.2.1. Enums

- **Screwed**

The kind of assembly 'screwed'.

- **WeldedOrGlued**

The kind of assembly 'welded or glued'.

## 23. KindOfInstallation

### 23.1. Summary

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

## 23.2. Detailed Module Documentation

### 23.2.1. Enums

- **Installed**



The kind of installation 'Installed'.

- **Dismounted**

The kind of material 'Dismounted'.

## 24. KindOfMaterial

### 24.1. Summary

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

### 24.2. Detailed Module Documentation

#### 24.2.1. Enums

- **Metal**

The kind of material 'metal'.

- **Plastic**

The kind of material 'plastic'.

## 25. KindOfOptionalHeaderValue

### 25.1. 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.

### 25.2. Detailed Module Documentation

#### 25.2.1. 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 formatting string for formatting decimal values

**- WorkTime**

An enum constant representing the work time option.

## 26. KindOfPaint

### 26.1. Summary

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

### 26.2. Detailed Module Documentation

#### 26.2.1. Enums

**- Uni**

Uni.

**- TwoLayered**

Two layered.

**- MultiLayered**

Multi layered.

## 27. KindOfPaintStage

### 27.1. Summary

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

### 27.2. Detailed Module Documentation

#### 27.2.1. Enums

**- S1**

The paint stage 'S1'.

**- S2**

The paint stage 'S2'.

**- S3**

The paint stage 'S3'.

**- S4**

The paint stage 'S4'.

## 28. KindOfWork

### 28.1. Summary

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

## 28.2. Detailed Module Documentation

### 28.2.1. 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.

## 29. KindOfWorkTimeData

### 29.1. Summary

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

## 29.2. Detailed Module Documentation

### 29.2.1. Enums

- **DecimalWorkHours**

The work time is displayed in decimal work hours.

- **ManufacturerWorkPositions**

The work time is displayed in manufacturer work time units.

## 30. OptHeaderValue

### 30.1. 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](#) .

### 30.2. Example

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

## 30.3. Detailed Module Documentation

### 30.3.1. 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.

## 31. PaintWorkPosSettings

### 31.1. 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.

## 31.2. Detailed Module Documentation

### 31.2.1. 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> PaintGroupId**

Gets or sets the paint group id.

## 32. PartsForItemMpsIncludingQualifiersMsg

### 32.1. Summary

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

PartsForItemMpsIncludingQualifiers(PartsForItemMpsIncludingQualifiersMsg).

### 32.2. Detailed Module Documentation

#### 32.2.1. 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.

## 33. PartsForItemMpsMsg

### 33.1. Summary

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

### 33.2. Detailed Module Documentation

#### 33.2.1. 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 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.

## 34. PartsForWorksIncludingQualifiersMsg

### 34.1. Summary

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

PartsForWorksIncludingQualifiers(PartsForWorksIncludingQualifiersMsg).

## 34.2. Detailed Module Documentation

### 34.2.1. 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 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.



## 35. PartsForWorksMsg

### 35.1. Summary

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

## 35.2. Detailed Module Documentation

### 35.2.1. 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 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.

## 36. PartsForWorksWithWorkPositionsIncludingQualifiersMsg

### 36.1. Summary

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

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

PartsForWorksWithWorkPositionsIncludingQualifiers(PartsForWorksWithWorkPositionsIncludingQualifiersMsg).

### 36.2. Detailed Module Documentation

#### 36.2.1. 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.

## 37. PartsForWorksWithWorkPositionsMsg

### 37.1. Summary

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

PartsForWorksWithWorkPositions(PartsForWorksWithWorkPositionsMsg).

### 37.2. Detailed Module Documentation

#### 37.2.1. 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 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.

## 38. QualCol

### 38.1. Summary

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

### 38.2. Detailed Module Documentation

#### 38.2.1. 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.

## 39. QualifierData

### 39.1. Summary

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

### 39.2. Detailed Module Documentation

#### 39.2.1. 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.

## 40. WorkCalcMsg

### 40.1. Summary

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

### 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.

**- 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 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. WorkCalcWithWorkPositionsMsg

### 41.1. Summary

Class [RestRMI.Areas.Basket.Models.WorkCalcWithWorkPositionsMsg](#) contains the properties which

are necessary to call the web service method `WorkCalcWithWorkPositions(WorkCalcWithWorkPositionsMsg)`.

## 41.2. Detailed Module Documentation

### 41.2.1. 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, 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.

## 42. WorkMetadata

### 42.1. Summary

A work metadata.

### 42.2. Detailed Module Documentation

#### 42.2.1. 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.

## 43. WorkMetadataMsg

### 43.1. Summary

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

### 43.2. Detailed Module Documentation

#### 43.2.1. 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.