Interface Description

ServicePaint_REST

Contents

Module Details

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Module Details

1. PaintController

1.1. Summary

Paint.

1.2. Detailed Module Documentation

1.2.1. Properties

- **HttpActionContext ActionContext**

  No description available

- **HttpConfiguration Configuration**

  No description available

- **HttpControllerContext ControllerContext**

  No description available

- **string Ip**

  Gets the IP.

- **ModelStateDictionary ModelState**

  No description available

- **HttpRequestMessage Request**

  No description available

- **HttpRequestContext RequestContext**

  No description available

- **UrlHelper Url**

  No description available

- **IPrincipal User**

  No description available

1.2.2. Methods

- **bool VehicleHasMaintenance(VehicleHasPaintMsg input)**

  Checks whether the vehicle has paint data.

  Parameter

  input - Instance of the message class VehicleHasPaintMsg

  Returns

  true - if paint data exists; otherwise false.

- **IEnumerable<PaintBodyQualCol> BodiesForPaint(BodiesForPaintMsg input)**

Delivers a country specific list including all existing bodies for the typeId in the selected language.

Parameter

input - Instance of the message class BodiesForPaintMsg

Returns

The paint data bodies.

- IEnumerable<PaintMainGroup> WorkList(PaintWorkListMsg input)

Delivers a country specific list of paint works for the given vehicle and body. The result can be filtered by passing a search string to the property searchText.

Parameter

input - Instance of the message class PaintWorkListMsg

Returns

The paint work list.

- IEnumerable<PaintWorkPos> WorkSteps(WorkStepsMsg input)

Delivers a country specific list of paint work positions for a given vehicle, body and kind of repair in the given language.

Parameter

input - Instance of the message class WorkStepsMsg

Returns

The paint work steps.

- PaintWorkPosSettingsOverview PaintWorkPostSettings(PaintWorkPosSettingsMsg input)

Delivers a country specific list of paint work position settings for a given vehicle and item mount position.

Parameter

input - Instance of the message class PaintWorkPosSettingsMsg

Returns

The paint work steps.

Object Model

1. BodiesForPaintMsg

1.1. Summary

Class RestRMI.Areas.Paint.Models.BodiesForPaintMsg contains the properties which are necessary to call web service methods BodiesForPaint(BodiesForPaintMsg).

1.2. Detailed Module Documentation

1.2.1. Properties

- **string CountryCode**

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

  Property-Value

  The 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 TypeId**

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

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

  Property-Value

  The TecRMI type id.

2. ItemMp

2.1. Summary

Class **ItemMp** represents an item mount position. In the topic tree hierarchy, item mount positions are children of sub groups. Being a base class mainly, this class is also used when the id and text is the only required information of an item mount position.

2.2. Detailed Module Documentation

2.2.1. Properties

- **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.

3. KindOfAddition

3.1. Summary

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

3.2. Detailed Module Documentation

3.2.1. 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'.

4. KindOfAssembly

4.1. Summary

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

4.2. Detailed Module Documentation

4.2.1. Enums

- **Screwed**

  The kind of assembly 'screwed'.

- **WeldedOrGlued**

  The kind of assembly 'welded or glued'.

5. KindOfInstallation

5.1. Summary

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

5.2. Detailed Module Documentation

5.2.1. Enums

- **Installed**

  The kind of installation 'Installed'.

- **Dismounted**

  The kind of material 'Dismounted'.

6. KindOfMaterial

6.1. Summary

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

6.2. Detailed Module Documentation

6.2.1. Enums

- **Metal**

  The kind of material 'metal'.

- **Plastic**

  The kind of material 'plastic'.

7. KindOfPaint

7.1. Summary

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

7.2. Detailed Module Documentation

7.2.1. Enums

- **Uni**

  Uni.

- **TwoLayered**

  Two layered.

- **MultiLayered**

  Multi layered.

8. KindOfPaintStage

8.1. Summary

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

8.2. Detailed Module Documentation

8.2.1. Enums

- S1

  The paint stage 'S1'.

- S2

  The paint stage 'S2'.

- S3

  The paint stage 'S3'.

- S4

  The paint stage 'S4'.

9. KindOfWorkTimeData

9.1. Summary

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

9.2. Detailed Module Documentation

9.2.1. Enums

- DecimalWorkHours

  The work time is displayed in decimal work hours.

- ManufacturerWorkPositions

  The work time is displayed in manufacturer work time units.

10. PaintBodyQualCol

10.1. Summary

Represents a body qualifier collection for paint. In general, the qualifier collection delivers a further differentiation for an item (in this case a vehicle type). Vehicle types may have different bodies (e.g. 3-door, 5-door) which can be referenced by the body qualifier collection.

10.2. Detailed Module Documentation

10.2.1. 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.

11. PaintExclWorkPos

11.1. Summary

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

11.2. Detailed Module Documentation

11.2.1. Properties

- **bool IsCompositeTime**

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

Property-Value

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

- **bool IsOnlyForReference**

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

Property-Value

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

- **bool IsTecRmiTime**

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

Property-Value

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

- **int ItemMpId**

Gets or sets the id of the item mount position.

Property-Value

The item mount position id.

- **string ItemMpText**

Gets or sets the text of the item mount position.

Property-Value

The item mount position text.

- **KindOfWorkTimeData** **KindOfWorkTimeData**

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

Property-Value

The kind of work time data.

- **int KorId**

Gets or sets the id of the kind of repair.

Property-Value

The kind of repair id.

- **string KorImage**

Gets or sets the image of the kind of repair.

Property-Value

The kind of repair image.

- **string KorText**

Gets or sets the text of the kind of repair.

Property-Value

The kind of repair text.

- **int QualColId**

Gets or sets the id of the qualifier collection.

Property-Value

The qualifier collection id.

- **string QualColText**

Gets or sets the text of the qualifier collection.

Property-Value

The qualifier collection text.

- **int WorkId**

Gets or sets the id of the work position.

Property-Value

The work position id.

- **string WorkText**

Gets or sets the text of the work position.

Property-Value

The work position text.

- **decimal WorkTime**

Gets or sets the work time.

Property-Value

The work time.

12. PaintItemMpKor

12.1. Summary

Represents an item mount position along with a kind of repair for paint. In the topic tree hierarchy, item mount positions are children of sub groups. The same item mount position might also be a child of several different sub groups making the topic tree rather a directed acyclic graph than a tree.

12.2. Detailed Module Documentation

12.2.1. Properties

- **bool InfoDataExists**

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

Property-Value

true if info data exists; otherwise, false.

- **bool IsLocked**

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

Property-Value

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

- **int ItemMpId**

Gets or sets the id of the item mount position.

Property-Value

The item mount position id.

- **string ItemMpImageName**

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

Property-Value

The the item mount position image name.

- **string ItemMpText**

Gets or sets the text of the item mount position.

Property-Value

The item mount position text.

- int KorId

Gets or sets the id of the kind of repair.

Property-Value

The kind of repair id.

- string KorImageName

Gets or sets the image name of the kind of repair.

Property-Value

The image name of the kind of repair.

- string KorText

Gets or sets the text of the kind of repair.

Property-Value

The kind of repair text.

- int SortOrder

Gets or sets the order number of this topic item mount position. A collection

of topic item mount position will be sorted against this number.

Property-Value

The sort order.

13. PaintMainGroup

13.1. Summary

Represents a main group for paint. In the topic tree hierarchy, main groups are on the topmost level. Each main group may have several sub groups as children.

13.2. Detailed Module Documentation

13.2.1. Properties

- bool InfoDataExists

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

The portal database must be available to provide information data.

Property-Value

true if info data exists; otherwise, false.

- int MainGroupId

Gets or sets the id of the main group.

Property-Value

The main group id.

- **string MainGroupImage**

  Gets or sets the image of the main group.

  Property-Value

  The main group image.

- **string MainGroupName**

  Gets or sets the name of the main group.

  Property-Value

  The the main group name.

- **int SortOrder**

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

  of main groups will be sorted against this number.

  Property-Value

  The sort order.

- **List<PaintSubGroup> SubGroups**

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

  Property-Value

  The sub groups.

14. PaintOptExclWorkPos

14.1. Summary

Represents an optional exclusive work position for a paint work position which can only be selected in combination with its main paint work position.

14.2. Detailed Module Documentation

14.2.1. Properties

- **bool IsCompositeTime**

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

  Property-Value

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

- **bool IsOnlyForReference**

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

  Property-Value

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

- bool IsTecRmiTime

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

Property-Value

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

- int ItemMpId

Gets or sets the id of the item mount position.

Property-Value

The item mount position id.

- string ItemMpText

Gets or sets the text of the item mount position.

Property-Value

The item mount position text.

- KindOfWorkTimeData KindOfWorkTimeData

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

Property-Value

The kind of work time data.

- int KorId

Gets or sets the id of the kind of repair.

Property-Value

The kind of repair id.

- string KorImage

Gets or sets the image of the kind of repair.

Property-Value

The kind of repair image.

- string KorText

Gets or sets the text of the kind of repair.

Property-Value

The kind of repair text.

- int QualColId

Gets or sets the id of the qualifier collection.

Property-Value

The qualifier collection id.

- string QualColText

Gets or sets the text of the qualifier collection.

Property-Value

The qualifier collection text.

- int WorkId

Gets or sets the id of the work position.

Property-Value

The work position id.

- string WorkPositionNo

Gets or sets the number of the work position.

Property-Value

The work position number.

- string WorkText

Gets or sets the text of the work position.

Property-Value

The work position text.

- decimal WorkTime

Gets or sets the work time.

Property-Value

The work time.

15. PaintSubGroup

15.1. Summary

Represents a sub group for paint. In the topic tree hierarchy, sub groups are children of main groups. The same sub group might also be a child of several different main groups making the topic tree rather a directed acyclic graph than a tree. Each sub group may have several item mount positions as children.

15.2. Detailed Module Documentation

15.2.1. Properties

- bool InfoDataExists

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

Property-Value

true if info data exists; otherwise, false.

- List<PaintItemMpKor> ItemMps

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

Property-Value

The item mount positions.

- int SortOrder

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

Property-Value

The sort order.

- int SubGroupId

Gets or sets the id of the sub group.

Property-Value

The sub group id.

- string SubGroupImage

Gets or sets the sub group image.

Property-Value

The sub group image.

- string SubGroupName

Gets or sets the name of the sub group.

Property-Value

The sub group name.

16. PaintWorkListMsg

16.1. Summary

Class RestRMI.Areas.Paint.Models.PaintWorkListMsg contains the properties which are necessary to call web service methods WorkList(PaintWorkListMsg).

16.2. Detailed Module Documentation

16.2.1. Properties

- string CountryCode

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

Property-Value

The ISO country code.

- string LanguageCode

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

Property-Value

The ISO language code.

- **int PaintBodyQualColId**

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

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

Property-Value

The body qualifier id.

- **string SearchText**

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

Property-Value

The search text.

- **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.

17. PaintWorkPos

17.1. Summary

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

17.2. Detailed Module Documentation

17.2.1. Properties

- **List<PaintExclWorkPos> ExclusiveWorkPositions**

Gets or sets a collection of exclusive work positions.

Remarks

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

Property-Value

The exclusive work positions.

- **bool IsCompositeTime**

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

Property-Value

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

- bool IsLocked

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

Property-Value

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

- bool IsOnlyForReference

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

Property-Value

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

- bool IsTecRmiTime

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

Property-Value

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

- int ItemMpId

Gets or sets the id of the item mount position.

Property-Value

The item mount position id.

- string ItemMpText

Gets or sets the text of the item mount position.

Property-Value

The item mount position text.

- [KindOfWorkTimeData](#) KindOfWorkTimeData

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

Property-Value

The kind of work time data.

- int KorId

Gets or sets the id of the kind of repair.

Property-Value

The kind of repair id.

- string KorImage

Gets or sets the image of the kind of repair.

Property-Value

The kind of repair image.

‑ string KorText

Gets or sets the text of the kind of repair.

Property-Value

The kind of repair text.

‑ List<PaintOptExclWorkPos> OptionalExclusivePositions

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

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

Property-Value

The optional exclusive positions.

‑ int QualColId

Gets or sets the id of the qualifier collection.

Property-Value

The qualifier collection id.

‑ string QualColText

Gets or sets the text of the qualifier collection.

Property-Value

The qualifier collection text.

‑ int WorkId

Gets or sets the id of the work position.

Property-Value

The work position id.

‑ string WorkPosNo

Gets or sets the number of the work position.

Property-Value

The work position number.

‑ string WorkText

Gets or sets the text of the work position.

Property-Value

The work position text.

‑ decimal WorkTime

Gets or sets the work time.

Property-Value

The work time.

18. PaintWorkPosSettingsMsg

18.1. Summary

Class RestRMI.Areas.Paint.Models.PaintWorkPosSettingsMsg contains the properties which are necessary to call web service methods PaintWorkPosSettings(PaintWorkPosSettingsMsg).

18.2. Detailed Module Documentation

18.2.1. Properties

- ### string CountryCode

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

Property-Value

The ISO country code.

- ### int ItemMpId

Gets or sets the TecRMI item mount position id.

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

Property-Value

The item mount position id.

- ### string LanguageCode

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

Property-Value

The ISO language code.

- ### int PaintBodyQualColId

Gets or sets the body qualifier id for paint 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 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.

19. PaintWorkPosSettingsOverview

19.1. Summary

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

19.2. Detailed Module Documentation

19.2.1. Properties

- **QualCol AreaQualCol**

  Gets or sets the area qualifier collection.

- **List<QualCol> AvailableAreaQualCols**

  Gets or sets the area qualifier collection.

- **List<KindOfAddition> AvailableKindOfAdditions**

  Gets or sets the available kind of additions.

- **List<KindOfInstallation> AvailableKindOfInstallations**

  Gets or sets the available kind of installations.

- **List<KindOfMaterial> AvailableKindOfMaterials**

  Gets or sets the available kind of materials.

- **List<KindOfPaint> AvailableKindOfPaints**

  Gets or sets the available kind of paint.

- **List<KindOfPaintStage> AvailableKindOfPaintStages**

  Gets or sets the available kind of paint stages.

- **bool IsTwoSided**

  Gets or sets the two sided flag.

- **int ItemMpId**

  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.

- **bool MultipleKindOfAdditionsAllowed**

  Gets or sets if multiple kind of additions are allowed.

- **bool MultipleKindOfInstallationsAllowed**

  Gets or sets if multiple kind of installations are allowed.

- **bool MultipleKindOfMaterialsAllowed**

  Gets or sets if multiple kind of material are allowed.

- **bool MultipleKindOfPaintsAllowed**

  Gets or sets if multiple kind of paints are allowed.

- **bool MultipleKindOfPaintStagesAllowed**

  Gets or sets if multiple kind of paint stages are allowed.

- **Nullable<Int32> PaintGroupId**

  Gets or sets the paint group Id.

- **List<ItemMp> PaintGroupsItemMps**

  Gets or sets the paint group's item mount positions.

19.2.2. Methods

- **PaintWorkPosSettingsOverview Create()**

  Creates a default instance of the AuDaLib.Interface.ObjectModel.Paint.PaintWorkPosSettingsOverview class./>

  Returns

  The instance.

20. QualCol

20.1. Summary

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

20.2. Detailed Module Documentation

20.2.1. 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.

21. VehicleHasPaintMsg

21.1. Summary

Class RestRMI.Areas.Paint.Models.VehicleHasPaintMsg contains the properties which are necessary to call the web service module check methods.

21.2. Detailed Module Documentation

21.2.1. Properties

- **string CountryCode**

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

  Property-Value

  The ISO country code.

- **int TypeId**

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

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

  Property-Value

  The TecRMI type id.

22. WorkStepsMsg

22.1. Summary

Class RestRMI.Areas.Paint.Models.WorkStepsMsg contains the properties which are necessary to call the web service methods WorkSteps(WorkStepsMsg).

22.2. Detailed Module Documentation

22.2.1. Properties

- **string ConsumerId**

  Unique identifier for end user which receive the called data.

  Property-Value

  Unique end user identifier.

- **string CountryCode**

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

  Property-Value

  The ISO country code.

- **int ItemMpId**

Gets or sets the TecRMI item mount position id.

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

Property-Value

The item mount position id.

- KindOfWorkTimeData KindOfWorkTime

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

Property-Value

The kind of unit of the work time.

- int KorId

Gets or sets the TecRMI kind of repair id.

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

Property-Value

The kind of repair id.

- string LanguageCode

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

Property-Value

The ISO language code.

- int PaintBodyQualColId

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

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

Property-Value

The body qualifier id.

- 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.