

Interface Description

ServiceSos_REST



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Module Details

1. SosController

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

At first, check whether there is SOS data available for your vehicle by calling [VehicleHasBulletins](#) . If so, you should call [ManualList](#) to get a list of SOS main groups, subgroups and items for your vehicle. A html page containing the selected manual will be provided by a call to the web service method [ManualHtml](#) .

1.3. Summary

Area [RestRMI.Areas.Sos.Controllers.SosController](#) provides the web service methods for the part Sos. Here technical circular letters and remedial actions on the selected vehicle are shown.

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**- bool VehicleHasBulletins([VehicleHasBulletinsMsg](#) input)**

Checks whether SOS data exists for the given type id.

Parameter

input - Instance of the message class VehicleHasBulletinsMsg.

Returns

true - if SOS data exists; otherwise false.

- IEnumerable<[SosFilterValue](#)> FilterValues([FilterValuesMsg](#) input)

Delivers a collection of allowed search values for filtering the manual list.

Parameter

input - Instance of the message class FilterValuesMsg.

Returns

The allowed filter values.

- IEnumerable<[SosMainGroup](#)> ManualList([ManualListMsg](#) input)

Delivers a country specific list to generate a manual topic tree for the given type id in the selected language.

Parameter

input - Instance of the message class ManualListMsg.

Returns

The topic tree for the part Sos.

- [SosItemMp](#) LinkedSosManuals([LinkedSosManualsMsg](#) input)

The result of an m-link is an item number. This method checks whether none, one or more manuals are available for the given country.

Parameter

input - Instance of the message class LinkedSosManualsMsg.

Returns

The linked SOS manuals.

- string ManualHtml([ManualHtmlMsg](#) input)

Delivers a string which contains HTML-lines from which an SOS HTML file for the manual can be generated.

Parameter

input - Instance of the message class ManualHtmlMsg.

Returns

A string which contains HTML-lines from which a SOS Html file for the manual can be generated.

- IEnumerable<String> ImageNamesForSosManual(ImageNamesForSosManualMsg input)

Delivers a collection of strings which contains the image names necessary for the manual.

Parameter

input - Instance of the message class ImageNamesForSosManualMsg.

Returns

A collection of strings which contains the image names necessary for the manual.

- string Image(ImageMsg input)

Returns a base64 encoded string which contains the requested technical manual image.

Parameter

input - Instance of the message class ImageMsg.

Returns

A base64 encoded string, which contains the image.

Object Model

1. FilterValuesMsg

1.1. Summary

Class [RestRMI.Areas.Sos.Models.FilterValuesMsg](#) contains the properties which are necessary to call web service methods `FilterValues(FilterValuesMsg)`.

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. ImageMsg

2.1. Summary

Class [RestRMI.Models.GlobalServiceMessages.ImageMsg](#) contains the properties which are necessary to call the web service methods `Image(ImageMsg)`,

2.2. Detailed Module Documentation

2.2.1. Properties

- **string ImageName**

Gets or sets the name of the requested image.

Property-Value

The name of the image.

3. ImageNamesForSosManualMsg

3.1. Summary

Class [RestRMI.Areas.Sos.Models.ImageNamesForSosManualMsg](#) contains the properties which are necessary to call web service methods `ImageNamesForSosManual(ImageNamesForSosManualMsg)`.

3.2. Detailed Module Documentation

3.2.1. Properties

- **int ManualId**

Gets or sets the TecRMI manual id.

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

Property-Value

The manual id.

4. KindOfWorkTimeData

4.1. Summary

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

4.2. Detailed Module Documentation

4.2.1. Enums

- **DecimalWorkHours**

The work time is displayed in decimal work hours.

- **ManufacturerWorkPositions**

The work time is displayed in manufacturer work time units.

5. LinkedSosManualsMsg

5.1. Summary

Class [RestRMI.Areas.Sos.Models.LinkedSosManualsMsg](#) contains the properties which are necessary to call web service methods `LinkedSosManuals(LinkedSosManualsMsg)`.

5.2. Detailed Module Documentation

5.2.1. 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 ItemMpld

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 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.

6. ManualHtmlMsg

6.1. Summary

Class [RestRMI.Areas.Sos.Models.ManualHtmlMsg](#) contains the properties which are necessary to call web service methods `ManualHtml(ManualHtmlMsg)`.

6.2. Detailed Module Documentation

6.2.1. 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.

- [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.

- string LinkUrl

Gets or sets the link url. The actual link information is going to be added at the end of this url.

It is used where documents contains links to other and are shown in custom application.

Property-Value

The link url.

Example

```
LinkUrl = "http://localhost/" // -> Generated link in documents:  
http://localhost/12345;
```

- int ManualId

Gets or sets the TecRMI manual id.

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

Property-Value

The manual id.

- bool PrintView

Gets or sets a value indicating whether the generated document should be optimised for printing.

Property-Value

true if optimised for printing; otherwise, false.

- 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.

7. ManualListMsg

7.1. Summary

Class [RestRMI.Areas.Sos.Models.ManualListMsg](#) contains the properties which are necessary to call web service method `ManualList(ManualListMsg)`.

7.2. Detailed Module Documentation

7.2.1. Properties

- **string CountryCode**

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

Property-Value

The ISO country code.

- **Nullable<Int32> GenArtNumber**

Gets or sets the generic article number.

Only if this contains a value and TextSearch is NULL or empty a search after the passed generic article is performed.

Property-Value

The generic article number.

- **Nullable<Int32> GenCritNumber**

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.

- **string LanguageCode**

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

Property-Value

The ISO language code.

- **Nullable<Int32> QualifierFilter**

Gets or sets the qualifier id after which the result should be filtered.

Passing null means no filtering.

Property-Value

The qualifier id to filter.

- **bool ShowAllMaingroups**

Gets or sets a value indicating whether all main groups should be shown in the result.

Property-Value

true if all main groups should be shown; otherwise, false.

- **bool ShowAllSubgroups**

Gets or sets a value indicating whether all sub groups should be shown in the result.

Property-Value

true if all sub groups should be shown; otherwise, false.

- **string TextSearch**

Gets or sets the text search. If this isn't NULL or empty a search after this value will be performed.

Property-Value

The text search.

- **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.

8. SosFilterValue

8.1. Summary

Represents a filter value for Sos. Filtering in the Sos domain allows reducing the size of the Sos topic tree and to find the result quicker.

8.2. Detailed Module Documentation

8.2.1. Properties

- **int QualCollid**

Gets or sets the id of the qualifier collection.

Property-Value

The qualifier collection id.

- **string QualColText**

Gets or sets the text of the qualifier collection.

Property-Value

The qualifier collection text.

9. SosItemMp

9.1. Summary

Represents an item mount position for SOS. 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.

9.2. Detailed Module Documentation

9.2.1. 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 ItemMpld**

Gets or sets the id of the item mount position.

Property-Value

The item mount position id.

- **string ItemMplImageName**

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.

- **List<[SosManual](#)> Manuals**

Gets or sets a collection of manuals which belongs to the topic item mount position.

Property-Value

The manuals.

- **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.

10. SosMainGroup

10.1. Summary

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

10.2. Detailed Module Documentation

10.2.1. 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<[SosSubGroup](#)> SubGroups**

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

Property-Value

The sub groups.

11. SosManual

11.1. Summary

Represents a manual for Sos. A manual belongs to an item mount position.

11.2. Detailed Module Documentation

11.2.1. Properties

- **int ManualId**

Gets or sets the id of the manual.

Property-Value

The manual id.

- **int QualColId**

Gets or sets the id of the qualifier collection.

Property-Value

The qualifier collection id.

- **string QualColText**

Gets or sets the qualifier collection text.

Property-Value

The qualifier collection text.

12. SosSubGroup

12.1. Summary

Represents a sub group for SOS. 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.

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 sub group.

The portal database must be available to provide information data.

Property-Value

true if info data exists; otherwise, false.

- **List<SosItemMp> 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.

13. VehicleHasBulletinsMsg

13.1. Summary

Class [RestRMI.Areas.Sos.Models.VehicleHasBulletinsMsg](#) contains the properties which are necessary to call the web service module check methods.

13.2. Detailed Module Documentation

13.2.1. 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.

