

# Interface Description

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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.

