

# Interface Description

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ServiceSos\_SOAP



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## Module Details

### 1. ServiceSos

#### 1.1. General Remarks

The webservice methods uses message classes as parameter value. All these classes are derived from the base class `AisService._40.Messages.BaseMsg` and contains properties for the data which are necessary for calling the web service method. To calling a method create an instance of their message class, set the necessary data to the message class properties and pass it throw the web service method.

All methods require the "**CompanyName**", "**UserName**" and "**Password**" properties, containing the application-specific access parameters.

Some methods require the `LanguageCode` properties, a 2-letter message internationalization language code as defined by ISO 639-1. All text messages will be returned in the defined language. Only language codes returned by `GetLanguages(...)` in the TecRMI common webservice are valid.

Some methods require the `CountryCode` properties, a 2-letter data internationalization country code as defined by ISO 3166-1. All application data will be returned as it is available for this country. Only county codes returned by `GetCountries(...)` in the TecRMI common webservice are valid.

Some methods require the `ConsumerId` property. To this a unique value, which identifiers the customers users which uses the TecRMI webservice by the customers application has to be passed. The length of the `ConsumerId` property value is restricted to 50 characters and is used for access control and billing.

All methods send an error message if an exception occurred or the access to the web service was denied.

All methods that are documented to return a list returns an array instead.

#### 1.2. 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

#### 1.3. Web service URL's

web service URL:

<https://rmi-services.tecalliance.net/soap/ServiceSos.asmx>

URL of WSDL file:

<https://rmi-services.tecalliance.net/soap/ServiceSos.asmx?wsdl>

#### 1.4. Sequence Of Calls

At first, check whether there is SOS data available for your vehicle by calling `GetVehicleHasSos` . If so, you should call `GetSosManualList` 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 [GetSosManualHtml](#) .

## 1.5. Summary

Class ServiceSos provides the web service methods for the part Sos.

## 1.6. Detailed Module Documentation

### 1.6.1. Methods

- **bool GetVehicleHasSos([GetVehicleHasSosMsg](#) input)**

Checks whether SOS data exists for the given type id.

**Parameter**

input - Instance of the message class GetVehicleHasSosMsg.

**Returns**

true - if SOS data exists; otherwise false.

- **List<[SosFilterValue](#)> GetSosFilterValues([GetSosFilterValuesMsg](#) input)**

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

**Parameter**

input - Instance of the message class GetSosFilterValues.

**Returns**

The allowed filter values.

- **List<[SosMainGroup](#)> GetSosManualList([GetSosManualListMsg](#) input)**

Delivers a country specific list to generate a manual topic tree for the given type id in the selected language. Use method GetSosManualListTextFiltered to filter by text. Use method GetSosManualListGenArtFiltered to filter by generic articles.

**Parameter**

input - Instance of the message class GetSosManualListMsg.

**Returns**

The topic tree for the part Sos.

- **List<[SosMainGroup](#)> GetSosManualListGenArtFiltered([GetSosManualListGenArtFilteredMsg](#) input)**

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

**Parameter**

input - Instance of the message class GetSosManualListGenArtFilteredMsg.

**Returns**

The topic tree for the part Sos.

**- List<SosMainGroup> GetSosManualListTextFiltered(GetSosManualListTextFilteredMsg input)**

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

**Parameter**

input - Instance of the message class GetSosManualListTextFilteredMsg.

**Returns**

The topic tree for the part Sos.

**- string GetSosManualHtml(GetSosManualHtmlMsg 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 GetSosManualHtmlMsg.

**Returns**

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

**- List<String> GetImageNamesForSosManual(GetImageNamesForSosManualMsg input)**

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

**Parameter**

input - Instance of the message class GetImageNamesForSosManualMsg.

**Returns**

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

**- Byte[] GetSosImage(GetSosImageMsg input)**

Returns a byte array which contains the requested SOS image.

**Parameter**

input - Instance of the message class GetSosImageMsg.

**Returns**

An array which contains the requested image.

**- SosItemMp GetLinkedSosManuals(GetLinkedSosManualsMsg 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 GetLinkedSosManualsMsg.

**Returns**

The linked SOS manuals.

# Object Model

## 1. GetImageNamesForSosManualMsg

### 1.1. Summary

Class [AisService.\\_40.Messages.Sos.GetImageNamesForSosManualMsg](#) contains the properties which are necessary to call web service methods [GetImageNamesForSosManual](#) ,

### 1.2. See also

[ServiceSos.GetImageNamesForSosManual\(...\)](#)

### 1.3. Detailed Module Documentation

#### 1.3.1. Properties

- **string CompanyName**

Gets or sets the name of the company.

**Property-Value**

The name of the company.

- **string Password**

Gets or sets the password.

**Property-Value**

The password.

- **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.

- **string UserName**

Gets or sets the name of the user.

**Property-Value**

The name of the user.

## 2. GetLinkedSosManualsMsg

### 2.1. Summary

Class [AisService.\\_40.Messages.Sos.GetLinkedSosManualsMsg](#) contains the properties which are necessary to call web service methods [GetImageNamesForSosManual](#) .

## 2.2. See also

[ServiceSos.GetImageNamesForSosManual\(...\)](#)

## 2.3. Detailed Module Documentation

### 2.3.1. Properties

- **string CompanyName**

Gets or sets the name of the company.

**Property-Value**

The name of the company.

- **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.

- **string Password**

Gets or sets the password.

**Property-Value**

The password.

- **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 UserName**

Gets or sets the name of the user.

**Property-Value**

The name of the user.

- **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. GetSosFilterValuesMsg

### 3.1. Summary

Class [AisService.\\_40.Messages.Sos.GetLinkedSosManualsMsg](#) contains the properties which are necessary to call web service method [GetSosFilterValues](#) .

### 3.2. See also

[ServiceSos.GetSosFilterValues\(...\)](#)

## 3.3. Detailed Module Documentation

### 3.3.1. Properties

- **string CompanyName**

Gets or sets the name of the company.

**Property-Value**

The name of the company.

- **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.

- **string Password**

Gets or sets the password.

**Property-Value**

The password.

- **string UserName**

Gets or sets the name of the user.

**Property-Value**

The name of the user.

- **int TypeID**

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

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

**Property-Value**

The TecRMI type id.

## 4. GetSosImageMsg

### 4.1. Summary

Class [AisService.\\_40.Messages.Sos.GetSosImageMsg](#) contains the properties which are necessary to call the web service methods [GetSosImage](#) .

### 4.2. See also

[ServiceSos.GetSosImage\(...\)](#)

### 4.3. Detailed Module Documentation

#### 4.3.1. Properties

- **string CompanyName**

Gets or sets the name of the company.

**Property-Value**

The name of the company.

- **string ImageName**

Gets or sets the name of the image.

**Property-Value**

The name of the requested image.

- **string Password**

Gets or sets the password.

**Property-Value**

The password.

- **string UserName**

Gets or sets the name of the user.

**Property-Value**

The name of the user.

## 5. GetSosManualHtmlMsg

### 5.1. Summary

Class [AisService.\\_40.Messages.Sos.GetSosManualHtmlMsg](#) contains the properties which are necessary to call web service method [GetSosManualHtml](#) .

## 5.2. See also

[ServiceSos.GetSosManualHtml\(...\)](#)

## 5.3. Detailed Module Documentation

### 5.3.1. Properties

- **string** **CompanyName**

Gets or sets the name of the company.

**Property-Value**

The name of the company.

- **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/␣1234␣;
```

**- string Password**

Gets or sets the password.

**Property-Value**

The password.

**- bool PrintView**

Determines whether a document for printing or the normal document should be created.

**Property-Value**

true if optimised for printing; otherwise, false.

**- 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.

**- string UserName**

Gets or sets the name of the user.

**Property-Value**

The name of the user.

**- int TypeId**

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

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

**Property-Value**

The TecRMI type id.

## 6. GetSosManualListGenArtFilteredMsg

### 6.1. Summary

Class [AisService.\\_40.Messages.Sos.GetSosManualListMsg](#) contains the properties which are necessary to call web service method [GetSosManualListGenArtFiltered](#) .

### 6.2. See also

[ServiceSos.GetSosManualListGenArtFiltered\(...\)](#)

### 6.3. Detailed Module Documentation

#### 6.3.1. Properties

**- string CompanyName**

Gets or sets the name of the company.

**Property-Value**

The name of the company.

- **string CountryCode**

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

**Property-Value**

The ISO country code.

- **int GenArtNo**

Filters the SOS manual list by the given generic article number.

**Property-Value**

The generic article number.

- **Nullable<Int32> GenCritNo**

Filters the SOS manual list by the given generic criterion number (Optional).

**Property-Value**

The generic criterion number.

- **string GenCritValue**

Filters the SOS manual list by the given generic criterion value (Optional).

**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.

- **string Password**

Gets or sets the password.

**Property-Value**

The password.

- **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.

*Deprecated:*

Parameter is not used any longer and will be ignored.

**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.

*Deprecated:*

Parameter is not used any longer and will be ignored.

**Property-Value**

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

**- string UserName**

Gets or sets the name of the user.

**Property-Value**

The name of the user.

**- 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. GetSosManualListMsg

### 7.1. Summary

Class [AisService.\\_40.Messages.Sos.GetSosManualListMsg](#) contains the properties which are necessary to call web service method [GetSosManualList](#) .

### 7.2. See also

[ServiceSos.GetSosManualList\(...\)](#)

### 7.3. Detailed Module Documentation

#### 7.3.1. Properties

**- string CompanyName**

Gets or sets the name of the company.

**Property-Value**

The name of the company.

**- 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.

- **string Password**

Gets or sets the password.

**Property-Value**

The password.

- **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.

*Deprecated:*

Parameter is not used any longer and will be ignored.

**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.

*Deprecated:*

Parameter is not used any longer and will be ignored.

**Property-Value**

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

- **string UserName**

Gets or sets the name of the user.

**Property-Value**

The name of the user.

- **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.

## 8. GetSosManualListTextFilteredMsg

### 8.1. Summary

Class [AisService.\\_40.Messages.Sos.GetSosManualListMsg](#) contains the properties which are necessary to call web service method [GetSosManualListTextFiltered](#) .

### 8.2. See also

[ServiceSos.GetSosManualListTextFiltered\(...\)](#)

## 8.3. Detailed Module Documentation

### 8.3.1. Properties

- **string** **CompanyName**

Gets or sets the name of the company.

**Property-Value**

The name of the company.

- **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.

- **string** **Password**

Gets or sets the password.

**Property-Value**

The password.

- **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.

- **string** **SearchText**

Filters the SOS manual list by the given search text value.

**Property-Value**

The search text.

**- bool showAllMaingroups**

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

*Deprecated:*

Parameter is not used any longer and will be ignored.

**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.

*Deprecated:*

Parameter is not used any longer and will be ignored.

**Property-Value**

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

**- string UserName**

Gets or sets the name of the user.

**Property-Value**

The name of the user.

**- 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.

## 9. GetVehicleHasSosMsg

### 9.1. Summary

Class [AisService.\\_40.Messages.Sos.GetVehicleHasSosMsg](#) contains the properties which are necessary to call the web service module check method [ServiceSos.GetVehicleHasSos](#) .

### 9.2. See also

[ServiceSos.GetVehicleHasSos\(...\)](#)

### 9.3. Detailed Module Documentation

#### 9.3.1. Properties

- string **CompanyName**

Gets or sets the name of the company.

**Property-Value**

The name of the company.

- **string CountryCode**

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

**Property-Value**

The ISO country code.

- **string Password**

Gets or sets the password.

**Property-Value**

The password.

- **string UserName**

Gets or sets the name of the user.

**Property-Value**

The name of the user.

- **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.

## 10. KindOfWorkTimeData

### 10.1. Summary

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

### 10.2. Detailed Module Documentation

#### 10.2.1. Enums

- **DecimalWorkHours**

The work time is displayed in decimal work hours.

- **ManufacturerWorkPositions**

The work time is displayed in manufacturer work time units.

## 11. SosFilterValue

### 11.1. 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.

## 11.2. Detailed Module Documentation

### 11.2.1. 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.

## 12. SosltemMp

### 12.1. 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.

## 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 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.

## 13. SosMainGroup

### 13.1. 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.

### 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<SosSubGroup> SubGroups**

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

**Property-Value**

The sub groups.

## 14. SosManual

### 14.1. Summary

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

### 14.2. Detailed Module Documentation

#### 14.2.1. Properties

**- int ManualId**

Gets or sets the id of the manual.

**Property-Value**

The manual id.

**- int QualCollId**

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.

## 15. SosSubGroup

### 15.1. 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.

### 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<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.