

Interface Description

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 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. 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.