

Public Interface Specification

Version 2.1

Version	Updated	Updated by	Changes
1.0	22 Feb 2011	Lee Jackson	
1.1	26 May 2011	Andrew Buttigieg	Added Transactions
1.2	28 Jul 2011	Andrew Buttigieg	Added GetListOfRes / GetListOfClients
1.3	04 Aug 2011	Andrew Buttigieg	Added New OptionalFields
1.4	11 Aug 2011	Andrew Buttigieg	Added New OptionalFields
1.5	22 Aug 2011	Andrew Buttigieg	Added GetListOfCompanies
1.6	01 Sep 2011	Andrew Buttigieg	Added AllowedToPostCharge / GetListOfAreasSetup Added CommsPin, ClientType and AllowedActivities to Client Record
1.7	07 Dec 2011	Andrew Buttigieg	Added New Client Spare Fields and PrivacyNoMailOuts
1.8	16 Dec 2011	Andrew Buttigieg	Added GroupMasterAccountID and PosOnGroupMaster to ResRecord
1.9	07 Feb 2012	Andrew Buttigieg	Added Comment to Transaction
1.10	04 Apr 2012	Andrew Buttigieg	Added Test Agent details
1.11	25 May 2012	Andrew Buttigieg	Added RegoNumber to ResRecord and ResRequest Added UserDefinedFieldNo and UserDefinedValue to ClientRequest
1.12	15 Aug 2012	Andrew Buttigieg	Added ConsentToUseCC, UserDefined 11-15 on Res
1.13	12 Sep 2012	Rocco Agostino	Added GetAvailability per Property and/or Category.
1.14	24 Sep 2012	Andrew Buttigieg	Added SaveClientDetails
1.15	16 Oct 2012	Andrew Buttigieg	Added PABX Ext to Area, Added Hold records to ResRecord
1.16	26 Oct 2012	Rocco Agostino	Added RetrieveCompanyLite, RetrieveTravelAgentLite, RetrieveHoldLite, RetrieveHeldLite, SaveCompanyDetails, SaveTravelAgentDetails, SaveHoldDetails and SaveHeldDetails.
1.17	30 Oct 2012	Rocco Agostino	Changes to the RetrieveTravelAgentLite and SaveTravelAgentDetails.
1.18	08 Feb 2013	Andrew Buttigieg	Added Get, Create and Update ClientLite
1.19	26 Feb 2013	Andrew Buttigieg	Added AccountBalance to Client
2.0	06 Oct 2015	Andrew Buttigieg	Multi Data Centre Changes
2.1	25 Aug 2017	Phuong Do	Added GetListOfTransactions and SaveResDetails, Modified SaveClientDetails

1 Contents

RMS Public Interface Specification	
Public Interface Specification Version 2.0.....	1
1 Contents.....	2
2 Introduction.....	4
3 Protocol.....	5
3.1 Web Services.....	5
3.2 Authentication.....	5
3.3 Dates and Times.....	5
4 Public Methods.....	6
4.1 TestCall() as String.....	6
4.2 GetConnectionInfo() as ConnectionInfoResponse.....	6
4.3 GetPropertyName() as String.....	6
4.4 GetListOfSundryCharges() as Class SundryBasic().....	6
4.5 GetListOfProperties() as Class PropertyBasic().....	6
4.6 GetListOfCategories() as Class CategoryBasic().....	6
4.7 GetListOfAreas() as Class AreaBasic().....	6
4.8 GetListOfAreasSetup() as Class AreaSetup().....	6
4.9 GetListOfCreditCards() as Class CreditCardBasic().....	7
4.10 ProcessTransactions() as Class TransactionResult().....	7
4.11 GetSystemLabels() as Class SystemLabelsScreenData.....	7
4.12 GetListOfReservations() as Class ResResult.....	7
4.13 GetListOfClients() as Class ClientResult.....	7
4.14 SetBillPending() as Boolean.....	7
4.15 GetListOfCompanies() as Class CompanyBasic().....	7
4.16 GetListOfClassifications() as Class ClassificationBasic().....	8
4.17 AllowedToPostCharge() as Class AllowedToPostChargeResult().....	8
4.18 GetAvailability() as Class AvailabilityResponse ().....	8
4.19 SaveClientDetails() as Class ClientLite ().....	8
4.20 RetrieveCompanyLite() as Class CompanyLite ().....	8
4.21 RetrieveTravelAgentLite() as Class TravelAgentLite().....	8
4.22 RetrieveHoldLite() as Class HoldLite ().....	8
4.23 RetrieveHeldLite() as Class HeldLite().....	8
4.24 SaveCompanyDetails() as Class CompanyLite ().....	9
4.25 SaveTravelAgentDetails() as Class TravelAgentLite ().....	9
4.26 SaveHoldDetails() as Class HoldLite ().....	9
4.27 SaveHeldDetails() as Class HeldLite ().....	9
4.28 CreateClient() as Integer.....	9
4.29 GetClient() as Class ClientLite.....	9
4.30 UpdateClient() as Boolean.....	9
4.31 GetListOfRegoNumbers() as List of Class RegoNumbersResults.....	9
4.32 GetListOfTransactions() as Class TransListResult.....	10
4.33 SaveResDetails() as List of Class SaveResResult.....	10
5 Appendix A – Class Definitions.....	11
5.1 ConnectionInfoRequest.....	11
5.2 ConnectionInfoResponse.....	11
5.3 SundryBasic.....	11
5.4 PropertyBasic.....	11
5.5 CategoryBasic.....	11
5.6 AreaBasic.....	11
5.7 AreaDetail.....	11
5.8 CreditCardBasic.....	12
5.9 TransactionRequest.....	12
5.10 TransactionResult.....	12
5.11 Transaction.....	12
5.12 SystemLabelsScreenData.....	12
5.13 ResRequest.....	14
5.14 ResResult.....	14
5.15 ResRecord.....	14
5.16 ClientRequest.....	16
5.17 ClientResult.....	16
5.18 ClientRecord.....	16
5.19 CompanyBasic.....	17
5.20 ClassificationBasic.....	18
5.21 AllowedToPostChargeRequest.....	18
5.22 AllowedToPostChargeResponse.....	18
5.23 AvailabilityRequest.....	18
5.24 AvailabilityResponse.....	18
5.25 AvailableAreas.....	18
5.26 SaveClientRequest.....	18
5.27 CompanyLite.....	18
5.28 SaveCompanyRequest.....	19
5.29 TravelAgentLite.....	19

5.30	SaveTravelAgentRequest	19
5.31	TravelAgentCompanyAssociations	19
5.32	HoldLite	19
5.33	SaveHoldRequest	19
5.34	HeldLite	20
5.35	SaveHeldRequest	20
5.36	ClientLite	20
5.37	RegoNumbersRequest	20
5.38	RegoNumbersResults	21
5.39	TransListRecord	21
5.40	TransListRequest	21
5.41	TransListResult	21
5.42	ResLite	22
5.43	SaveResRequest	22
5.44	SaveResResult	23
6	Appendix B – VB.NET Examples	24
6.1	Adding the Web Service Reference	24
6.1.1	Ensure Collection Type is set to Generic List as shown below (Visual Studio 2010)	24
6.1.2	Allowing the Web service to use large amounts of data	24
6.2	Retrieve Token and Property Name	24
6.3	Transactions	25
6.3.1	Create a Charge Transaction	25
6.3.2	Create a Cash Receipt Transaction	25
6.3.3	Create a Credit Card/Eftpos Receipt Transaction	25
6.3.4	Post Transaction	25
6.4	Reservations	25
6.4.1	Get Reservations Arriving Tomorrow	25
6.5	Creating / Updating a Client	26
6.5.1	Create New Client	26
6.5.2	Update Existing Client	27
6.6	Using the correct Webservice URL to initialise the WCF Client	27
6.6.1	Initialise PublicServiceClient with custom URL	27

2 Introduction

This document describes the protocol to provide for the exchange of information between the Property Management System (RMS) and the Third Party Applications.

This document will list the available public functions that RMS will expose.

It is intended that this document will be updated, if and when, these web services are expanded, or new services are provided.

Third party applications will be required to undergo RMS Testing and certification before they are authorised to use this protocol. For information about the process and costs involved, please contact your nearest [RMS Sales office](#).

3 Protocol

3.1 Web Services

Web Services provide a standard means of interoperating between different applications, running on a variety of platforms and/or frameworks. The web services allow for the exchange of basic data that will allow Third Parties to develop against.

The RMS Public Service is a WCF service. It can be utilized by most common programming languages including VB.NET, C# and Java. **Please note.** The RMS Development team are only familiar with .NET languages so will be not be able to assist with establishing WCF communication protocols in other languages.

The primary URL of the web service is <https://api.rms.com.au/RMSPublicService/RMSPublicService.ServiceLibrary.svc> It should be used to retrieve the WSDL and make the first `GetConnectionInfo()` call

For the best performance, the client specific URL should be used for all calls made after the initial `GetConnectionInfo()`

3.2 Authentication

To use the Public Web Services you need to provide Authentication to prove you are an authorized agent, and that you have access to the Client data requested. This Agent Id is unique to you and can be used to access all Clients.

Each RMS Client also has a unique Client No and Password. If the Client using the service does not know their password, it can be obtained by contacting RMS Support.

For testing purposes the following details can be used. Please note. These agent credentials will only connect to a RMS Testing Database. Access will be denied to real client data until the application has been certified by RMS.

Agent Id: 15
Agent Password: 1h&29\$vk449f8

RMS Client Id: 3038
RMS Client Password: X!b69rN*

3.3 Dates and Times

Due to WCF automatic time conversion, date parameters must be sent without the time zone offset present.

Eg.

A date formatted as 2014-10-11T15:30:00+08:00 will be converted to 2014-10-11T17:30:00+10:00 causing inconsistent results

A date formatted as 2014-10-11T15:30:00 will not be converted and will be processed by the server as 2014-10-11T15:30:00

To achieve this in VB.NET use the following syntax

```
DateTime.SpecifyKind(<THE DATE>, DateTimeKind.Unspecified)
```

4 Public Methods

4.1 TestCall() as String

Used to confirm the ability to communicate with the service. If successful it will return "Hello World!!!".

4.2 GetConnectionInfo() as ConnectionInfoResponse

Returns the Authentication Token and Connection information required for subsequent calls to the API.

This information should be retrieved and stored on startup of your application as it is used for every call to the Public Service. The information will change very rarely so retrieving it on startup, and then refreshing it every 4-8 hours is sufficient in most cases. However, having an option to manually refresh the token is advisable.

Please note. This call takes roughly 1 second on a good internet connection so retrieving it before every call will slow down you application significantly.

Parameters	Type	Required	Description
oRequest	Class ConnectionInfoRequest	Yes	Client and Agent information

4.3 GetPropertyName() as String

Returns the Name of the Master RMS Property.

Parameters	Type	Required	Description
sToken	String	Yes	Token for Validation

4.4 GetListOfSundryCharges() as Class SundryBasic()

Returns the List of Sundry charges configured in the RMS system. A valid sundry id is required to post charges to the RMS Service

Parameters	Type	Required	Description
sToken	String	Yes	Token for Validation

4.5 GetListOfProperties() as Class PropertyBasic()

Returns the list of Properties configured in the RMS database.

Parameters	Type	Required	Description
sToken	String	Yes	Token for Validation

4.6 GetListOfCategories() as Class CategoryBasic()

Returns the list of Categories configured in the RMS database in the Properties requested.

Parameters	Type	Required	Description
sToken	String	Yes	Token for Validation
lstOfPropertyIds	List Of Integer	No	The list of properties to return categories for. If no properties are specified then all categories will be returned.

4.7 GetListOfAreas() as Class AreaBasic()

Returns the list of Areas configured in the RMS database in the Properties or Categories requested.

Note: If lstOfPropertyIds and lstOfCatIds are specified, only lstOfCatIds will be used.

Parameters	Type	Required	Description
sToken	String	Yes	Token for Validation
lstOfPropertyIds	List Of Integer	No	The list of properties to return areas for. If no properties are specified then all areas will be returned.
lstOfCatIds	List Of Integer	No	The list of categories to return areas for. If no categories are specified then all areas will be returned.

4.8 GetListOfAreasSetup() as Class AreaSetup()

Returns the list of Areas with detailed information configured in the RMS database in the Properties or Categories requested.

Note: If lstOfPropertyIds and lstOfCatIds are specified, only lstOfCatIds will be used.

Parameters	Type	Required	Description
sToken	String	Yes	Token for Validation
lstOfPropertyIds	List Of Integer	No	The list of properties to return areas for. If no properties are specified then all areas will be

lstOfCatIds	List Of Integer	No	returned. The list of categories to return areas for. If no categories are specified then all areas will be returned.
-------------	-----------------	----	--

4.9 GetListOfCreditCards() as Class CreditCardBasic()

Returns the List of Credit Cards configured in the RMS System. A valid Credit Card Id is required to post credit card transactions to the RMS Service.

Parameters	Type	Required	Description
sToken	String	Yes	Token for Validation

4.10 ProcessTransactions() as Class TransactionResult()

Posts charges and receipts to the RMS database.

Parameters	Type	Required	Description
sToken	String	Yes	Token for Validation
oRequest	Class (TransactionRequest)	Yes	Request Object

4.11 GetSystemLabels() as Class SystemLabelsScreenData

Returns the list of customisable labels and field names in RMS and what the Property has named each of them.

Parameters	Type	Required	Description
sToken	String	Yes	Token for Validation

4.12 GetListOfReservations() as Class ResResult

Returns a list of reservations based on the selection parameters in the Request object.

To ensure the quickest response times, only the most used fields (defined below) are filled in the Response by default. To have other fields filled, they must be enabled in the [Request.ResOptionalFieldList](#) and [Request.ClientOptionalFieldList](#).

Please Note. A maximum of 3000 records will be returned per call.

Parameters	Type	Required	Description
sToken	String	Yes	Token for Validation
oResRequest	Class (ResRequest)	Yes	Contains search parameters to use and the list of fields to return in the reservation search.

4.13 GetListOfClients() as Class ClientResult

Returns a list of clients based on the selection parameters in the Request object.

To ensure the quickest response times the most used fields (defined below) are filled in the Response by default. To have other fields filled, they must be enabled in the [Request.ClientOptionalFieldList](#) class.

Please Note. A maximum of 3000 records will be returned per call.

Parameters	Type	Required	Description
sToken	String	Yes	Token for Validation
oGuestRequest	Class (ClientRequest)	Yes	Contains search parameters to use and the list of fields to return in the client search.

4.14 SetBillPending() as Boolean

Toggles the Reservation Bill Pending status. When this is set to True, the reservation cannot be checked out. The result of the call will be True if the update was successful.

Parameters	Type	Required	Description
sToken	String	Yes	Token for Validation
nResId	Integer	Yes	The ResId to update
bPending	Boolean	Yes	The new Pending status

4.15 GetListOfCompanies() as Class CompanyBasic()

Returns the list of Companies in the system.

Parameters	Type	Required	Description
sToken	String	Yes	Token for Validation

4.16 GetListOfClassifications() as Class ClassificationBasic()

Returns the list of Classifications in the system.

Parameters	Type	Required	Description
sToken	String	Yes	Token for Validation

4.17 AllowedToPostCharge() as Class AllowedToPostChargeResult()

Returns whether the Client specified is allowed to post a charge based on a number of rules including whether the client has a valid reservation. Either the Client Id or MembershipNo must be supplied.

Parameters	Type	Required	Description
sToken	String	Yes	Token for Validation
oRequest	Class (AllowedToPostChargeRequest)	Yes	Contains search parameters to use

4.18 GetAvailability() as Class AvailabilityResponse ()

This call returns a list of areas available for each category based on the properties and categories past in by the request.

Parameters	Type	Required	Description
sToken	String	Yes	Token for Validation
oRequest	Class (AvailabilityRequest)	Yes	Contains search parameters to use

4.19 SaveClientDetails() as Class ClientLite ()

Creates or Updates a Client Record. If ClientId is 0 a new record is created, If ClientId is not 0, client will be updated. Note. All fields will be updated every time so GetListOfClients should be used first to prime client before updating.

Parameters	Type	Required	Description
sToken	String	Yes	Token for Validation
oRequest	Class (SaveClientRequest)	Yes	Contains date and client record

4.20 RetrieveCompanyLite() as Class CompanyLite ()

This call returns a list of companies available in the database.

Parameters	Type	Required	Description
sToken	String	Yes	Token for Validation
lstCompanyIds	List of Integers	Yes	List of company Ids. If set to Nothing, all companies are returned.

4.21 RetrieveTravelAgentLite() as Class TravelAgentLite()

This call returns a list of travel agents available in the database.

Parameters	Type	Required	Description
sToken	String	Yes	Token for Validation
lstAgentIds	List of Integers	Yes	List of Travel Agent Ids. If set to Nothing, all travel agents are returned.

4.22 RetrieveHoldLite() as Class HoldLite ()

This call returns a list of holds setup in the database.

Parameters	Type	Required	Description
sToken	String	Yes	Token for Validation
lstHoldIds	List of Integers	Yes	List of Hold Ids. If set to Nothing, all holds are returned.

4.23 RetrieveHeldLite() as Class HeldLite()

This call returns a list of held information setup in the database.

Parameters	Type	Required	Description
sToken	String	Yes	Token for Validation
lstHeldIds	List of Integers	Yes	List of Held Ids. If set to Nothing, all helds are returned.

4.24 SaveCompanyDetails() as Class [CompanyLite \(\)](#)

This call allows you to create or edit a company. If the Company.CompanyId parameter in the oRequest class is set to 0, then it will create a new company. To edit a company's details, pass in the value of the company id in this parameter.

Parameters	Type	Required	Description
sToken	String	Yes	Token for Validation
oRequest	Class (SaveCompanyRequest)	Yes	Contains company information to save.

4.25 SaveTravelAgentDetails() as Class [TravelAgentLite \(\)](#)

This call allows you to create or edit a travel agent. If the TravelAgent.AgentId parameter in the oRequest class is set to 0, then it will create a new travel agent. To edit a travel agent's details, pass in the value of the travel agent id in this parameter.

Parameters	Type	Required	Description
sToken	String	Yes	Token for Validation
oRequest	Class (SaveTravelAgentRequest)	Yes	Contains travel agent information to save.

4.26 SaveHoldDetails() as Class [HoldLite \(\)](#)

This call allows you to create or edit a hold record. If the Hold.HoldId parameter in the oRequest class is set to 0, then it will create a new hold record. To edit a hold record, pass in the value of the hold id in this parameter.

Parameters	Type	Required	Description
sToken	String	Yes	Token for Validation
oRequest	Class (SaveHoldRequest)	Yes	Contains reservation hold information to save.

4.27 SaveHeldDetails() as Class [HeldLite \(\)](#)

This call allows you to create or edit a held record. If the Held.HeldId parameter in the oRequest class is set to 0, then it will create a new held record. To edit a held record, pass in the value of the held id in this parameter.

Parameters	Type	Required	Description
sToken	String	Yes	Token for Validation
oRequest	Class (SaveHeldRequest)	Yes	Contains travel information or category information to save.

4.28 CreateClient() as [Integer](#)

Parameters	Type	Required	Description
sToken	String	Yes	Token for Validation
oClient	Class (ClientLite)	Yes	Contains information about the client to be created

4.29 GetClient() as Class [ClientLite](#)

Parameters	Type	Required	Description
sToken	String	Yes	Token for Validation
nClientId	Integer	Yes	The Client Id of the client to retrieve

4.30 UpdateClient() as [Boolean](#)

Parameters	Type	Required	Description
sToken	String	Yes	Token for Validation
oClient	Class (ClientLite)	Yes	Contains information about the client to be created
dDateOfNow	Date	Yes	The current date/time of the system the interface is running on

4.31 GetListOfRegoNumbers() as [List of Class RegoNumbersResults](#)

Parameters	Type	Required	Description
sToken	String	Yes	Token for Validation
oRegoRequest	Class (RegoNumbersRequest)	Yes	Contains parameters that determine which Rego and Access No's are return

4.32 GetListOfTransactions() as Class [TransListResult](#)

Parameters	Type	Required	Description
sToken	String	Yes	Token for Validation
oTransRequest	Class (TransListRequest)	Yes	Contains parameters that determine which transactions are return

4.33 SaveResDetails() as List of Class [SaveResResult](#)

This call allows you to create or edit a reservation. If the ResLite.ResId parameter in the oRequest class is set to 0, then it will create a reservation. To edit a reservation's details, pass in the value of the reservation id in this parameter.

Parameters	Type	Required	Description
sToken	String	Yes	Token for Validation
oRequest	Class (SaveResRequest)	Yes	Contains Date, Client Id and Reservation information to save.

5 Appendix A – Class Definitions

5.1 ConnectionInfoRequest

Property	Type	Description
AgentId	Integer	The Agent Id supplied to you by RMS to access the API. This is the same for all client's your application connects to.
AgentPassword	String	The Agent Password supplied to you by RMS
RMSClientNo	Integer	The Client No of the RMS Client you want to access the API on behalf of.
ClientPassword	String	The Public API password for the Client Id
TrainingDatabase	Boolean	Whether to connect to the Client's Live or Training database

5.2 ConnectionInfoResponse

Property	Type	Description
Token	String	The Authentication token required for subsequent calls to the API
WebserviceURL	String	The WebserviceURL to use for subsequent calls to the API. See Appendix 6.6 for an example of how to use a specific URL.
WebserviceURLPrefix	Integer	The prefix of the WebserviceURL to use for subsequent calls to the API

5.3 SundryBasic

Property	Type	Description
SundryId	Integer	The ID of the Sundry
Description	String	The name of the Sundry
UnitPrice	Decimal	The price per unit of the Sundry
GLCodeId	Integer	The General Ledger ID of the Sundry
GLCode	String	The General Ledger Description of the Sundry
CreditNote	Boolean	Whether the Sundry is a Credit Note

5.4 PropertyBasic

Property	Type	Description
PropertyId	Integer	The ID of the Property in the RMS database
PropertyName	String	The Name of the Property
RMSClientId	Integer	The RMSClientId of the Property. This may be different to the RMSClientId of the Master Property in a Multi Property database.

5.5 CategoryBasic

Property	Type	Description
CatId	Integer	The ID of the Category in the RMS database
Category	String	The Name of the Category
CategoryClass	CategoryClass	Whether the Category is Accommodation or Facility.

5.6 AreaBasic

Property	Type	Description
AreaId	Integer	The ID of the Area in the RMS database
Area	String	The Name of the Area

5.7 AreaDetail

Property	Type	Description
AreaId	Integer	The ID of the Area in the RMS database
Area	String	The Name of the Area
MaxOccupants	Integer	The maximum amount of people allowed in the Area
CleanStatus	Enum CleanStatus	The clean status of the Area (VacantClean, VacantDirty, Occupied etc)
Description	String	The long description for the Area
AreaStats	Boolean	Whether to include the Area in stats like occupancy
Spare1	String	User definable spare field 1 on the Area

Spare2	String	User definable spare field 2 on the Area
Ext	String	Comma delimited list of PABX extensions for the Area

5.8 CreditCardBasic

Property	Type	Description
CardId	Integer	The ID of the Credit Card in the RMS database
CreditCard	String	The description of the Credit Card

5.9 TransactionRequest

Property	Type	Description
DateOfNow	Date	The current date at location of the transactions.
Source	Enum (TransactionSource)	The source of the transactions (POS, PABX etc)
Transactions	Listof Classes (Transaction)	The list of transactions to post

5.10 TransactionResult

Property	Type	Description
TransId	Integer	RMS assigned unique transaction ID. This will be 0 if the transaction failed.
Transaction	Class (Transaction)	The transaction class sent in the Request

5.11 Transaction

Property	Type	Description
TransactionType	Enum (TransactionType)	Type of transaction. (Charge or Receipt)
AccId	Integer	The Account Id of the account the transaction is posted too. This will usually be retrieved from a Client or Reservation
AccountType	Enum (AccountType)	The account the transaction is posted to (Accom, Extras, PABX, Internet etc)
DateOfTransaction	Date	Date of the transaction
Description	String (70)	Description for the transaction
Comment	String (100)	Additional comments for the transaction
Amount	Decimal	Amount of the transaction
SundryId	Integer	Id of the Sundry Charge for this Transaction
ReceiptType	Enum (ReceiptType)	Type of Receipt (Cash, Cheque, Credit Card etc)
CardId	Integer	Id of the Credit Card Type used for this transaction
UniqueId	Integer	The unique id from the calling application

5.12 SystemLabelsScreenData

Property	Type	Description
lblClient	String	The label used for Client's / Guest's
lblArea	String	The label used for Area's
lblResType	String	The label used for Restype's
lblTariff	String	The label used for Tariff's
lblCompany	String	The label used for Companies
lblGroupname	String	The label used for Groupname
lblBookingSource	String	The label used for Booring Sources's
lblInfant	String	The label used for Infant's
lblDwelling	String	The label used for Dwelling's
lblHold	String	The label used for Hold Records (R&R)
lblCoordinatorOne	String	The label used for Coordinator One
lblCoordinatorTwo	String	The label used for Coordinator Two
lblResNote	String	The label used for Res Note's
lblHousekeeperNote	String	The label used for Housekeeper Note's
lblPostalSort	String	The label used for Post Sort
lblReservation	String	The label used for Reservations
lblCategory	String	The label used for Categories
lblArrive	String	The label used for Arrive on the Res
lblDepart	String	The label used for Depart on the Res
lblABN	String	The label used for ABN
lblClientStatus	String	The label used for Client Status
lblVoucherNo	String	The label used for Voucher's
lblActivity	String	The label used for Activities
lblTravelAgent	String	The label used for Travel Agent's
lblGST	String	The label used for Tax (GST, VAT etc)

lblEFTPOS	String	The label used for EFTPos
lblAccom	String	The label used for the Accommodation account
lblExtras	String	The label used for the Extras account
lblAdditionalTariff1	String	The label used for Additional Tariff 1
lblAdditionalTariff2	String	The label used for Additional Tariff 2
lblAdditionalTariff3	String	The label used for Additional Tariff 3
lblAdditionalTariff4	String	The label used for Additional Tariff 4
lblAdditionalTariff5	String	The label used for Additional Tariff 5
lblAdditionalTariff6	String	The label used for Additional Tariff 6
lblAdditionalTariff7	String	The label used for Additional Tariff 7
lblSurname	String	The label used for Surname
lblGiven	String	The label used for Given
lblTown	String	The label used for Town
lblPostcode	String	The label used for Postcode / Zipcode
lblBlacklist	String	The label used for the Client Blacklist field
lblClientSpare1	String	The label used for Client Spare field 1
lblClientSpare2	String	The label used for Client Spare field 2
lblClientSpare3	String	The label used for Client Spare field 3
lblClientSpare4	String	The label used for Client Spare field 4
lblClientSpare5	String	The label used for Client Spare field 5
lblClientSpare6	String	The label used for Client Spare field 6
lblClientSpare7	String	The label used for Client Spare field 7
lblClientSpare8	String	The label used for Client Spare field 8
lblClientSpare9	String	The label used for Client Spare field 9
lblClientSpare10	String	The label used for Client Spare field 10
lblClientSpare11	String	The label used for Client Spare field 11
lblClientSpare12	String	The label used for Client Spare field 12
lblClientSpare13	String	The label used for Client Spare field 13
lblClientSpare14	String	The label used for Client Spare field 14
lblClientSpare15	String	The label used for Client Spare field 15
lblClientSpare16	String	The label used for Client Spare field 16
lblSpare1	String	The label used for Res Spare field 1
lblSpare2	String	The label used for Res Spare field 2
lblSpare3	String	The label used for Res Spare field 3
lblSpare4	String	The label used for Res Spare field 4
lblSpare5	String	The label used for Res Spare field 5
lblSpare6	String	The label used for Res Spare field 6
lblSpare7	String	The label used for Res Spare field 7
lblSpare8	String	The label used for Res Spare field 8
lblSpare9	String	The label used for Res Spare field 9
lblSpare10	String	The label used for Res Spare field 10
lblSpare11	String	The label used for Res Spare field 11
lblSpare12	String	The label used for Res Spare field 12
lblSpare13	String	The label used for Res Spare field 13
lblSpare14	String	The label used for Res Spare field 14
lblSpare15	String	The label used for Res Spare field 15
lblCreditCard	String	The label used for Credit Card's
lblDirectCredit	String	The label used for DirectCredit in the system
Spare1_Mandatory	Boolean	Whether Res spare field 1 must have a value when saving a reservation
Spare2_Mandatory	Boolean	Whether Res spare field 2 must have a value when saving a reservation
Spare3_Mandatory	Boolean	Whether Res spare field 3 must have a value when saving a reservation
Spare4_Mandatory	Boolean	Whether Res spare field 4 must have a value when saving a reservation
Spare5_Mandatory	Boolean	Whether Res spare field 5 must have a value when saving a reservation
Spare6_Mandatory	Boolean	Whether Res spare field 6 must have a value when saving a reservation
Spare7_Mandatory	Boolean	Whether Res spare field 7 must have a value when saving a reservation
Spare8_Mandatory	Boolean	Whether Res spare field 8 must have a value when saving a reservation
Spare9_Mandatory	Boolean	Whether Res spare field 9 must have a value when saving a reservation
Spare10_Mandatory	Boolean	Whether Res spare field 10 must have a value when saving a reservation

5.13 ResRequest

Property	Type	Description
ArriveFrom	Datetime	Return Reservations Arriving after this date and time
ArriveTo	Datetime	Return Reservations Arriving before this date and time
DepartFrom	Datetime	Return Reservations Departing after this date and time
DepartTo	Datetime	Return Reservations Departing before this date and time
CreatedFrom	Datetime	Return Reservations Created after this date and time
CreatedTo	Datetime	Return Reservations Created before this date and time
ModifiedFrom	Datetime	Return Reservations Modified after this date and time
ModifiedTo	Datetime	Return Reservations Modified before this date and time
CheckInFrom	Datetime	Return Reservations Checked In after this date and time
CheckInTo	Datetime	Return Reservations Checked In before this date and time
CheckOutFrom	Datetime	Return Reservations Checked Out after this date and time
CheckOutTo	Datetime	Return Reservations Checked Out before this date and time
ResIdFrom	Integer	Return Reservations with a ResId greater than this
ResIdTo	Integer	Return Reservations with a ResId less than this
ListOfResIds	Listof Integer	Return only reservations in this list
ListOfGrpResIds	Listof Integer	Return only reservations with a Group Res id in this list
ListOfAreaIds	Listof Integer	Return reservations in this list of Areas
ListOfCatIds	Listof Integer	Return reservations in this list of Categories
ListOfPropertyIds	Listof Integer	Return reservations in this list of Properties
ListOfClientIds	Listof Integer	Return reservations where the <u>Primary</u> client matches one of this list
ListOfStatus	Listof Enum (ResStatus)	Return reservations with these status'. <i>If not supplied only Arrived, Departed, Confirmed and Unconfirmed will be returned.</i>
IncludeGroupMaster Reservations	Boolean	Return Group Master reservations. (these should not be counted toward occupancy)
IncludeSecondaryClients	Boolean	By default only the primary client is returned for each reservation. Enable this to return all clients.
ResOptionalFieldList	Class OptionalFieldsRes	Which optional Res fields are to be filled in the response
ClientOptionalFieldList	Class OptionalFieldsClient	Which optional Client fields are to be filled in the response
RegoNumber	String	Return Reservations with this Rego Number attached

5.14 ResResult

Property	Type	Description
ResultCode	Enum ResultCode	The status of the request.
ResultMessage	String	A description of the result code
RecordsFound	Integer	The number of Records found including secondary clients if requested.
ListOfRes	Listof Class (ResRecord)	The reservations that match the search parameters provided

5.15 ResRecord

Property	Type	Returned by Default	Description
ResId	Integer	True	The Id of the Reservation, this is unique and should be used as the foreign key in 3 rd party systems.
GroupResId	Integer	True	The Id of the Group reservation if the Res is part of a group booking. Group masters will have their ResId as the GroupResId
GroupMaster	Boolean	True	Whether the Reservation is a Group Master. Group masters are just used for grouping "real" reservations.
AccountId	Integer	True	The Account Id of the Res. When posting charges, this is the Id that should be used.
Arrive	Datetime	True	Arrival Date of the Reservation
Depart	Datetime	True	Departure Date of the Reservation
CheckInDate	Datetime	False	Actual Checkin Date of the Reservation
CheckOutDate	Datetime	False	Actual CheckOut Date of the Reservation
Status	Enum ResStatus	True	Status of the Reservation

PrimaryClient	Class ClientRecord	True	Details of the Primary Client attached to the Reservation
ListOfSecondaryClients	Listof Class ClientRecord	False	Details of Secondary Clients attached to the Reservation
Adults	Integer	True	No of Adults on the Reservation
Children	Integer	False	No of Children on the Reservation
Infants	Integer	False	No of Infants on the Reservation
AreaId	Integer	True	Id of the Area the Reservation is in
AreaName	String	True	Name of the Area the Reservation is in
CategoryId	Integer	False	Id of the Category the Reservation is in
CategoryName	String	False	Name of the Category the Reservation is in
PropertyId	Integer	False	Id of the Property the Reservation is in
PropertyName	String	False	Name of the Property the Reservation is in
CreationDate	Datetime	False	Date the Reservation was created
LastModified	Boolean	False	Date the Reservation was last modified
RMSOnlineConfirmationNo	Integer	False	If the Reservation was made via RMS Online, this is the confirmation no sent to the Client at the time of booking
POSONGroupMaster	Boolean	False	If True, Pos charges should be posted to the Group Master Account Id.
GroupMasterAccountId	Integer	False	The Account Id of the Group Master Reservation. Post charges to this account if POSONGroupMaster is True
CompanyId	Integer	False	Id of the Company attached to the Reservation
Company	String	False	Name of the Company attached to the Reservation
BookingSourceId	Integer	False	Id of the Booking Source attached to the Reservation
BookingSource	String	False	Name of the Booking Source attached to the Reservation
TravelAgentId	Integer	False	Id of the Travel Agent attached to the Reservation
TravelAgent	String	False	Name of the Travel Agent attached to the Reservation
DiscountCodeId	Integer	False	Id of the Discount attached to the Reservation
DiscountCode	String	False	Name of the Discount attached to the Reservation
ResTypeId	Integer	False	Id of the Res Type attached to the Reservation
ResType	String	False	Name of the Res Type attached to the Reservation
SubResTypeId	Integer	False	Id of the Sub Res Type attached to the Reservation
SubResType	String	False	Name of the Sub Res Type attached to the Reservation
RateCodeId	Integer	False	Id of the Rate Code attached to the Reservation
RateCode	String	False	Name of the Rate Code attached to the Reservation
TariffAmount	Decimal	False	The Tariff amount for the Reservation
LongTerm	Boolean	False	Whether the Reservation is marked as long term
DepositDateRequired	Datetime	False	The Date the deposit is required
DepositAmount	Decimal	False	The Deposit Amount due
Note	String	False	Free type note on the Reservation
ListOfRegoNumbers	ListOf String	False	List of Rego Numbers attached to the Reservation
ListOfHolds	ListOf HoldRecord	false	List of Hold records for the Reservation.
UserDefined1	String	False	Free type field that the user can define the meaning of. See System Labels.
UserDefined2	String	False	Free type field that the user can define the meaning of. See System Labels.
UserDefined3	String	False	Free type field that the user can define the meaning of. See System Labels.
UserDefined4	String	False	Free type field that the user can define the meaning of. See System Labels.
UserDefined5	String	False	Free type field that the user can define the meaning of. See System Labels.
UserDefined6	String	False	Free type field that the user can define the meaning of. See System Labels.
UserDefined7	String	False	Free type field that the user can define the meaning of. See System Labels.
UserDefined8	String	False	Free type field that the user can define the meaning of. See System Labels.
UserDefined9	String	False	Free type field that the user can define the

UserDefined10	String	False	Free type field that the user can define the meaning of. See System Labels.
UserDefined11	Boolean	False	Boolean field that the user can define the meaning of. See System Labels.
UserDefined12	Boolean	False	Boolean type field that the user can define the meaning of. See System Labels.
UserDefined13	Boolean	False	Boolean type field that the user can define the meaning of. See System Labels.
UserDefined14	Datetime	False	Datetime type field that the user can define the meaning of. See System Labels.
UserDefined15	Datetime	False	Datetime type field that the user can define the meaning of. See System Labels.

5.16 ClientRequest

Property	Type	Description
CreatedFrom	Datetime	Return Clients Created after this date and time
CreatedTo	Datetime	Return Clients Created before this date and time
ModifiedFrom	Datetime	Return Clients Modified after this date and time
ModifiedTo	Datetime	Return Clients Modified before this date and time
Surname	String	Return Clients with this exact Surname
Given	String	Return Clients with this exact Given name
PhoneMobile	String	Return Clients with this exact Mobile/Cell no.
MembershipNo	String	Return Clients with this exact MembershipNo
ListOfPropertyIds	Listof Integer	Return Clients in this list of Properties
ListOfClientIds	Listof Integer	Return Clients with these Client Id's
ClientOptionalFieldList	Class OptionalFieldsClient	Which optional Client fields are to be filled in the response
UserDefinedFieldNo	Integer	Which User Defined field to search in
UserDefinedFieldValue	String / Integer / Date	The value to search for in the UserDefinedFieldNo assigned above. User defined field types are as follows 1-12 String 13-14 Boolean 15-16 Date

5.17 ClientResult

Property	Type	Description
ResultCode	Enum ResultCode	The status of the request.
ResultMessage	String	A description of the result code
RecordsFound	Integer	The number of Records found including secondary clients if requested.
ListOfClients	Listof Class (ClientRecord)	The clients that match the search parameters provided

5.18 ClientRecord

Property	Type	Returned by Default	Description
ClientId	Integer	True	The Id of the Client, this is unique and should be used as the foreign key in 3 rd party
Given	String	True	Given name of the Client
Surname	String	True	Surname of the Client
Title	String	False	Title of the Client
GroupName	String	False	Group Name of the Client
CreationDate	Datetime	False	The date the Client was created
LastModified	Datetime	False	The last time the Client was modified
Gender	String	False	The Gender of the Client
DateofBirth	Datetime	False	Date of Birth of the Client
PhoneMobile	String	False	Mobile/Cell no of the Client
PhoneBH	String	False	Between Hours number of the Client
PhoneAH	String	False	After hours number of the Client
Address1	String	False	Address1 of the Client (usually the street address)
Address2	String	False	Address2 of the Client
Suburb	String	False	Suburb of the Client
Postcode	String	False	Postcode of the Client
Country	String	False	Country of the Client
State	String	False	State of the Client
Company	String	False	Company the Client is associated to

BookingSource	String	False	Booking Source of the Client
Email	String	False	Email of the Client
AnniversaryDate	Datetime	False	Anniversary Date of the Client
InsuranceExpDate	Datetime	False	Insurance Expiry Date of the Client
BlackListed	Boolean	False	Black list status of the Client
PrivacyNoMailOuts	Boolean	False	Privacy (No Mail Out) status of the Client. If set to true the client has requested not to receive mail / email.
MembershipNo	String	False	MembershipNo of the Client. This could be a rewards program or another unique number associated to the Client
CurrentReservations	Listof Class (ResRecord)	False	A list of the reservations that are currently in house where this client is the Primary Client
CommsPin	String	false	The Pin number stored in RMS against each client. Generally used for 3 rd party systems like PABX, Internet.
ClientType	Enum ClientType	false	The type of Client record. (Client, Staff, Contractor, Owner etc)
ActivitiesDisabled	Boolean	false	Used if the property does not want this client to use any activities (Phone, Internet, PayTV etc)
ListOfAllowedActivities	List of Enum (ClientActivity)	false	The external activities the client is allowed to use (Phone, Internet, PayTV etc)
ConsentToUseCreditCard	Boolean	false	Whether the client has given permission to charge their credit card.
AccountBalance	Decimal	false	The balance of the client account
UserDefined1	String	False	Free type field that the user can define the meaning of. See System Labels.
UserDefined2	String	False	Free type field that the user can define the meaning of. See System Labels.
UserDefined3	String	False	Free type field that the user can define the meaning of. See System Labels.
UserDefined4	String	False	Free type field that the user can define the meaning of. See System Labels.
UserDefined5	String	False	Free type field that the user can define the meaning of. See System Labels.
UserDefined6	String	False	Free type field that the user can define the meaning of. See System Labels.
UserDefined7	String	False	Free type field that the user can define the meaning of. See System Labels.
UserDefined8	String	False	Free type field that the user can define the meaning of. See System Labels.
UserDefined9	String	False	Free type field that the user can define the meaning of. See System Labels.
UserDefined10	String	False	Free type field that the user can define the meaning of. See System Labels.
UserDefined11	String	False	Free type field that the user can define the meaning of. See System Labels.
UserDefined12	String	False	Free type field that the user can define the meaning of. See System Labels.
UserDefined13	Boolean	False	Boolean field that the user can define the meaning of. See System Labels.
UserDefined14	Boolean	False	Boolean field that the user can define the meaning of. See System Labels.
UserDefined15	Date	False	Date field that the user can define the meaning of. See System Labels.
UserDefined16	Date	False	Date field that the user can define the meaning of. See System Labels.

5.19 CompanyBasic

Property	Type	Description
CompanyId	Integer	The ID of the Company in the RMS database
Company	String	The Name of the Company
Address	String	The Address of the Company
TradingAs	String	Optional Trading Name if the company is trading as something other than the Company Name.

5.20 ClassificationBasic

Property	Type	Description
ClassificationId	Integer	The ID of the Classification in the RMS database
Classification	String	The Name of the Company

5.21 AllowedToPostChargeRequest

Property	Type	Description
ClientId	Integer	The ID of the Client
MembershipNo	String	The Membership No of the Client
Activity	Enum ClientActivity	The activity the client is trying to perform. If no activity is supplied only the current reservation check will be performed

5.22 AllowedToPostChargeResponse

Property	Type	Description
AllowedToPostCharge	Boolean	Whether the client is allowed to post a charge
AccountId	Integer	The account id to post the charge to
CurrentBalance	Decimal	The current outstanding balance of the client account
CreditLimit	Decimal	The credit limit for the property
Reason	String	The reason why the client is not allowed to post charges
ListOfAllowedActivities	List of Enum (ClientActivity)	The list of external activities the client is allowed to use.

5.23 AvailabilityRequest

Property	Type	Description
DateOfNow	DateTime	The current date and time.
ListOfPropertyIds	List of Integer	List of properties to check for availability.
ListOfCategoryIds	List of Integer	List of categories to check for availability.
StartingPeriod	DateTime	The starting period to check for availability.
EndingPeriod	DateTime	The ending period to check for availability.
OnlyCleanAreas	Boolean	Only return areas where the room is clean. This will be helpful if required a room immediately.

5.24 AvailabilityResponse

Returned: Either a *list* of the AvailabilityResponse class is returned or *nothing*.

Property	Type	Description
CategoryID	Integer	The available category id.
Category	String	The available category name.
PropertyID	Integer	The property id for which the category belongs to.
PropertyName	String	The property name for which the category belongs to.
NoOfAvailableAreas	Integer	The number of rooms available for the category.
ListOfAvailableAreas	Class (AvailableAreas)	The list of available areas for the category.

5.25 AvailableAreas

Property	Type	Description
AreaID	Integer	The area id.
Area	String	The area name.
AreaDescription	Integer	The area description.
CleanStatus	String	The clean status of the area.

5.26 SaveClientRequest

Property	Type	Description
DateOfNow	Datetime	The current date at location of the module
Client	Class (ClientRecord)	The client record to create or update.

5.27 CompanyLite

Property	Type	Description
CompanyId	Integer	The unique Company Id.

CompanyName	String	The company's Name.
ABN	String	The company's ABN.
Address1	String	The company's address 1
Address2	String	The company's address 2
Address3	String	The company's address 3
Address4	String	The company's address 4
State	String	The state the company resides.
Postcode	String	The postcode (zip code) where the company resides.
Contact	String	The main contact person for the company.
ContactPosition	String	The contacts position in the company.
Phone	String	The company's phone number.
Fax	String	The company's fax number.
Email	String	The company's email address.
WebAddress	String	The company's website address.

5.28 SaveCompanyRequest

Property	Type	Description
DateOfNow	Datetime	The current date at location of the module
Company	Class (CompanyLite)	The company record to create or update.

5.29 TravelAgentLite

Property	Type	Description
AgentID	Integer	The unique Agent Id.
Agent	String	The agent's Name.
Address1	String	The agent's address 1
Address2	String	The agent's address 2
Address3	String	The agent's address 3
Address4	String	The agent's address 4
State	String	The state the agent's resides.
Postcode	String	The postcode (zip code) where the agent's resides.
Phone	String	The agent's phone number.
Fax	String	The agent's fax number.
Email	String	The agent's email address.
GLCodeID	Integer	The agent's GL Code Id.
InActive	Boolean	Is the agent active or not.
CompaniesAssociatedToAgent	Class (TravelAgentCompanyAssociations)	Companies associated to the Agent.

5.30 SaveTravelAgentRequest

Property	Type	Description
DateOfNow	Datetime	The current date at location of the module
Agent	Class (TravelAgentLite)	The travel agent record to create or update.

5.31 TravelAgentCompanyAssociations

Property	Type	Description
CompanyId	Integer	The unique company Id.
PrimaryCompany	Boolean	The company that is billed.

5.32 HoldLite

Property	Type	Description
HoldId	Integer	The unique hold Id.
ResID	Integer	The res id related to the hold.
FromDate	Date	The start date for the hold.
ToDate	Date	The end date for the hold.
HoldExpired	Boolean	If true, signifies the hold has expired.
ChargeTypeId	Integer	The charge type id associated to the hold.

5.33 SaveHoldRequest

Property	Type	Description
DateOfNow	Datetime	The current date at location of the module
Hold	Class (HoldLite)	The hold record to create or update.

5.34 HeldLite

Property	Type	Description
HeldId	Integer	The unique held Id.
CategoryId	Integer	The category id the held belongs to.
AgentId	Integer	The agent id the held belongs to. If set to 0 identifies internet booking.
FromDate	Date	The start date of the held.
ToDate	Date	The end date of the held.
NumberHeld	Integer	The number of rooms held.
Guaranteed	Boolean	If set to true, rooms are only held for the particular agent.
Release	Integer	It is the number of days from today that cannot be booked.
Permanent	Boolean	If true, ignores From and To dates. Held does not expire.
OnlineDefaultAllotment	Boolean	It is only true for online booking (ie. Agent Id = 0)

5.35 SaveHeldRequest

Property	Type	Description
DateOfNow	Datetime	The current date at location of the module
Held	Class (HeldLite)	The held record to create or update.

5.36 ClientLite

Property	Type	Description
ClientId	Integer	When updating a client, the client id of client to be updated When creating a client, set to zero
Title	String	Title of the Client
Given	String	Given name of the Client
Surname	String	Surname of the Client
Mobile	String	Mobile/Cell no of the Client
Addr1	String	Address1 of the Client (usually the street address)
Town	String	Town/Suburb of the Client
State	String	State of the Client
PostCode	String	Postcode of the Client
Email	String	Email of the Client
MembershipNo	String	Membership No of the Client
ClientType	Enum ClientType	
CommsPin	String	The Pin number stored in RMS against each client. Generally used for 3 rd party systems like PABX, Internet.
ActivitiesDisabled	Boolean	Used if the property does not want this client to use any activities (Phone, Internet, PayTV etc)
ConsentToUseCreditCard	Boolean	Whether the client has given permission to charge their credit card.
CCToken	String	Credit Card Token for the client
UserDefined11	String	Free type field that the user can define the meaning of. See System Labels.
UserDefined15	Date	Date field that the user can define the meaning of. See System Labels.
ListOfAllowedActivities	List of Enum (ClientActivity)	The external activities the client is allowed to use (Phone, Internet, PayTV etc)

5.37 RegoNumbersRequest

Property	Type	Description
DateOfNow	Date	The current system date
ListOfResIds	List of Integer	List of Reservation Id's to return results for
ListOfRegoNos	List of Integer	List of Rego No's to return results for
ListOfAccessNos	List of Integer	List of Access No's to return results for
DateCreatedFrom	Date	Return Records Created after this date and time
DateCreatedTo	Date	Return Records Created up to this date and time
DateModifiedFrom	Date	Return Records Modified from this date and time
DateModifiedTo	Date	Return Records Modified up to this date and time

5.38 RegoNumbersResults

Property	Type	Description
ResID	Integer	The ResId the Rego/Access No is associated to
RegoNo	String	The Rego number
AccessNo	String	The Boomgate Access Number
AccessType	AccessType	Type of Access (InOnly = 0, OutOnly = 1, InOut = 2, InOutWithAntiPassback = 3)
ExpiryDate	Date	The date access expires
Status	Status	Current status (InThePark = 0, OutOfThePark = 1, NotSure = 2)
DateCreated	Date	The date the record was created
DateModified	Date	The date the record was last modified

5.39 TransListRecord

Property	Type	Description
TransId	Integer	The unique transaction Id
AccountId	Integer	The account id to post the transaction to
ClientId	Integer	The Id of the client
PropertyId	Integer	The Id of the property
ResId	Integer	The Id of the reservation
SundryId	Integer	The Id of the Sundry Charge for this Transaction
DateOfTrans	Date	The Date of the transaction
DateCreated	Date	The date the transaction record was created
Description	String	The Description for the transaction
Amount	Decimal	Amount of the transaction
GLCodeId	Integer	The transaction GL Code Id
GLCodeDesc	String	The description of the transaction GL Code Id
TransactionType	Enum TransListRecordType	Type of transaction. (Charge or Receipt)
ReceiptType	Enum ReceiptType	Type of receipt. (Cash, Cheque, Credit Card etc)
LinkPointer	Integer	Link Pointer value
Void	Boolean	Is the transaction void or not

5.40 TransListRequest

Property	Type	Description
TransIdFrom	Integer	Return transactions with a TransId greater than this
TransIdTo	Integer	Return transactions with a TransId less than this
CreatedFrom	Date	Return transactions Created after this date and time
CreatedTo	Date	Return transactions Created before this date and time
DateOfTransFrom	Date	Return transactions with applied date after this date and time
DateOfTransTo	Date	Return transactions with applied date before this date and time
ListOfResIds	List of Integer	Return transactions from reservations on this list
ListOfAccountIds	List of Integer	Return transactions have accounts on this list
ListOfClientIds	List of Integer	Return transactions where the <u>Primary</u> client matches one of this list

5.41 TransListResult

Property	Type	Description
ResultCode	Enum ResultCode	The status of the request
ResultMessage	String	A description of the result code
RecordsFound	Integer	The number of Records found
ListOfTrans	List of Class (TransListRecord)	The transactions that match the search parameters provided

5.42 ResLite

Property	Type	Returned by Default	Description
ResId	Integer	True	The Id of the Reservation, this is unique and should be used as the foreign key in 3 rd party systems.
ClientId	Integer	True	The ID of the Client
Arrive	Datetime	True	Arrival Date of the Reservation
Depart	Datetime	True	Departure Date of the Reservation
Status	Enum ResStatus	True	Status of the Reservation
Adults	Integer	True	No of Adults on the Reservation
Children	Integer	False	No of Children on the Reservation
Infants	Integer	False	No of Infants on the Reservation
AreaId	Integer	True	Id of the Area the Reservation is in
CatId	Integer	False	Id of the Category the Reservation is in
PropertyId	Integer	False	Id of the Property the Reservation is in
AltId			Id of the Rate the Reservation is using
CompanyId	Integer	False	Id of the Company attached to the Reservation
BookingSourceId	Integer	False	Id of the Booking Source attached to the Reservation
TravelAgentId	Integer	False	Id of the Travel Agent attached to the Reservation
DiscountCodeId	Integer	False	Id of the Discount attached to the Reservation
ResTypeId	Integer	False	Id of the Res Type attached to the Reservation
SubResTypeId	Integer	False	Id of the Sub Res Type attached to the Reservation
LongTerm	Boolean	False	Whether the Reservation is marked as long term
Notes	String	False	Free type note on the Reservation
UserDefined1	String	False	Free type field that the user can define the meaning of. See System Labels.
UserDefined2	String	False	Free type field that the user can define the meaning of. See System Labels.
UserDefined3	String	False	Free type field that the user can define the meaning of. See System Labels.
UserDefined4	String	False	Free type field that the user can define the meaning of. See System Labels.
UserDefined5	String	False	Free type field that the user can define the meaning of. See System Labels.
UserDefined6	String	False	Free type field that the user can define the meaning of. See System Labels.
UserDefined7	String	False	Free type field that the user can define the meaning of. See System Labels.
UserDefined8	String	False	Free type field that the user can define the meaning of. See System Labels.
UserDefined9	String	False	Free type field that the user can define the meaning of. See System Labels.
UserDefined10	String	False	Free type field that the user can define the meaning of. See System Labels.
UserDefined11	Boolean	False	Boolean field that the user can define the meaning of. See System Labels.
UserDefined12	Boolean	False	Boolean type field that the user can define the meaning of. See System Labels.
UserDefined13	Boolean	False	Boolean type field that the user can define the meaning of. See System Labels.
UserDefined14	Datetime	False	Datetime type field that the user can define the meaning of. See System Labels.
UserDefined15	Datetime	False	Datetime type field that the user can define the meaning of. See System Labels.
GroupAllotmentAgentId	Integer	False	The Id of group allotment agent

5.43 SaveResRequest

Property	Type	Description
DateOfNow	Enum ResultCode	The status of the request
PrimaryClientId	String	A description of the result code
Reservations	List of Class (ResLite)	Reservations that need to save

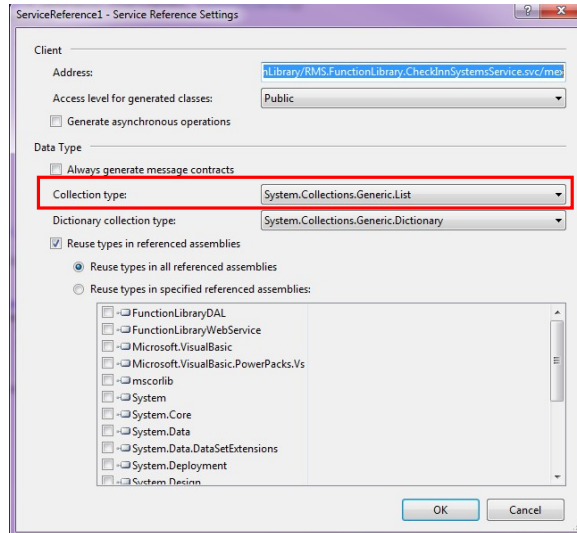
5.44 SaveResResult

Property	Type	Description
GrpResId	Integer	The Id of the Group reservation if the Res is part of a group booking. Group masters will have their ResId as the GroupResId
ResId	Integer	The Id of the Reservation, this is unique and should be used as the foreign key in 3 rd party systems.
ClientId	Integer	The ID of the Client
AccId	Integer	The Account Id of the account the transaction is posted too. This will usually be retrieved from a Client or Reservation
CatId	Integer	Id of the Category the Reservation is in
AreaId	Integer	Id of the Area the Reservation is in
Arrive	Date	Arrival Date of the Reservation
Depart	Date	Departure Date of the Reservation
AgentId	Integer	Id of the Agent attached to the Reservation
UserDefined10	String	Free type field that the user can define the meaning of. See System Labels.
ResStatus	Enum ResStatus	Status of the Reservation

6 Appendix B – VB.NET Examples

6.1 Adding the Web Service Reference

6.1.1 Ensure Collection Type is set to Generic List as shown below (Visual Studio 2010)



6.1.2 Allowing the Web service to use large amounts of data.

The following must be configured in your applications app.config file. The **GREEN** text must be changed from the default settings

Endpoint Configuration

```
<endpoint address="https://api.rms.com.au/RMSPublicService/RMSPublicService.ServiceLibrary.svc"
  behaviorConfiguration="RMSPublicBehavior" binding="basicHttpBinding"
  bindingConfiguration="BasicHttpBinding_RMSPublicService" contract="RMSPublic.PublicService"
  name="BasicHttpBinding_RMSPublicService" />
```

Binding Configuration

```
<binding name="BasicHttpBinding_RMSPublicService" closeTimeout="00:01:00"
  openTimeout="00:01:00" receiveTimeout="00:10:00" sendTimeout="00:01:00"
  allowCookies="false" bypassProxyOnLocal="false"
  hostNameComparisonMode="StrongWildcard"
  maxBufferSize="10000000" maxBufferPoolSize="524288" maxReceivedMessageSize="10000000"
  messageEncoding="Text" textEncoding="utf-8" transferMode="Buffered"
  useDefaultWebProxy="true">
  <readerQuotas maxDepth="32" maxStringLength="8192" maxArrayLength="16384"
    maxBytesPerRead="4096" maxNameTableCharCount="16384" />
  <security mode="Transport">
    <transport clientCredentialType="None" proxyCredentialType="None" realm="" />
    <message clientCredentialType="UserName" algorithmSuite="Default" />
  </security>
</binding>
```

Behaviour Configuration

```
<behavior name="RMSPublicBehavior" >
  <dataContractSerializer maxItemsInObjectGraph="100000000" />
</behavior>
```

6.2 Retrieve Token and Property Name

```
Dim sToken As String
Dim oRMSPublic As New RMSPublic.PublicServiceClient
Dim sClientPassword As String
Dim nRMSCClientNo As Integer
Dim nAgentId As Integer
Dim sAgentPwd As String
Dim bTrainingDatabase As Boolean
```

Try

```
'Defaults
nRMSCClientNo = [RMS Client No]
sClientPassword = [ClientPwd]
nAgentId = [AgentId]
```



```

sAgentPwd = [AgentPassword]
bTrainingDatabase = False

'Get Connection String
sToken = oRMSPublic.GetToken(nRMSCClientNo, sClientPassword, nAgentId, sAgentPwd, bTrainingDatabase)

'Test Property Name
MsgBox(oRMSPublic.GetPropertyName(sToken))

Catch ex As Exception
    MsgBox(ex.Message)
End Try

```

6.3 Transactions

6.3.1 Create a Charge Transaction

```

Dim oTrans As New RMSPublic.SerialisedClasses.Transaction
With oTrans
    .TransactionType = RMSPublic.Functions.TransactionType.Charge
    .AccId = nAccId
    .Amount = 99
    .SundryId = 5
    .AccountType = Data.Manager.Account.AccountType.Acomm

    .Description = "Test Charge"      'If not supplied Description will come from the Sundry
    .DateOfTransaction = Now         'If not supplied system will use Accounting Date
    .UniqueId = 1                    'Your Internal Ref No (Optional)
End With
lstOfPOSTransactions.Add(oTrans)

```

6.3.2 Create a Cash Receipt Transaction

```

Dim oTrans As New RMSPublic.SerialisedClasses.Transaction
With oTrans
    .TransactionType = RMSPublic.Functions.TransactionType.Receipt
    .AccId = nAccId
    .Amount = 66
    .AccountType = Data.Manager.Account.AccountType.Acomm
    .ReceiptType = Data.Manager.Receipt.ReceiptType.Cash
    .UniqueId = 2                    'Your Internal Ref No (Optional)
End With
lstOfPOSTransactions.Add(oTrans)

```

6.3.3 Create a Credit Card/Eftpos Receipt Transaction

```

Dim oTrans As New RMSPublic.SerialisedClasses.Transaction
With oTrans
    .TransactionType = RMSPublic.Functions.TransactionType.Receipt
    .AccId = nAccId
    .Amount = 34
    .AccountType = Data.Manager.Account.AccountType.Acomm
    .ReceiptType = Data.Manager.Receipt.ReceiptType.EftPos
    .CardId = 1                      'The Credit Card ID that Identifies the Card ie
                                    Amex,Visa etc (Use GetListOfCreditCards())
    .UniqueId = 3                    'Your Internal Ref No (Optional)
End With
lstOfPOSTransactions.Add(oTrans)

```

6.3.4 Post Transaction

```

'Build Request
oRequest = New RMS.FunctionLibrary.RMSPublic.SerialisedClasses.TransactionRequest
With oRequest
    .DateOfNow = Now
    .Source = RMSPublic.Functions.TransactionSource.PointOfSale
    .Transactions = lstOfPOSTransactions
End With

'Write Out POS Charges
oResult = oRMSPublic.ProcessTransactions(sToken, oRequest)

```

6.4 Reservations

6.4.1 Get Reservations Arriving Tomorrow

```

Dim oResReq As New RMSPublic.ResRequest
With oResReq

```

```

'Res Optional fields
oResReq.ResOptionalFieldList = New RMSPublic.OptionalFieldsRes()
With .ResOptionalFieldList
    .CategoryName = True
    .PropertyId = True
    .PropertyName = True
    .Company = True
    .BookingSource = True
    .DiscountCode = True
End With

'Client optional fields
oResReq.ClientOptionalFieldList = New RMSPublic.OptionalFieldsClient()

With .ClientOptionalFieldList
    .Suburb = True
    .Country = True
    .Company = True
    .BookingSource = True
End With

'Include all the clients, not just the primary
.IncludeSecondaryClients = True

'Set search parameters.
.ArriveFrom = Now.AddDays(1).Date 'Start of Tomorrow
.ArriveTo = Now.AddDays(1).Date & " 23:59:59" 'End of Tomorrow
End With

Dim oResResult As RMSPublic.ResResult = oRMSPublic.GetListOfReservations(sToken, oResReq)
If Not oResResult Is Nothing Then
    For Each oRes As RMSPublic.ResRecord In oResResult.ListOfRes
        MsgBox(oRes.ResId)
    Next
End If

```

6.5 Creating / Updating a Client

6.5.1 Create New Client

```

Dim oClientRecord As New RMSPublic.ClientLite

With oClientRecord
    .ClientId = 0
    .ClientType = RMSPublic.ClientClientType.Client

    .Title = "MR"
    .Given = "Fred"
    .Surname = "Flintstone"
    .Addr1 = "116 Harrick Rd"
    .Town = "Melbourne"
    .State = "VIC"
    .PostCode = "3000"
    .Mobile = "03145687"
    .Email = "fred@rms.com.au"

    .CommsPin = "0000"
    .ConsentToUseCreditCard = True
    .CCToken = ""
    .MembershipNo = "123456789"

    .ActivitiesDisabled = False
    .ListofAllowedActivities = New List(Of RMSPublic.ClientActivity)

'Add all of the activities to the allowed list
.ListofAllowedActivities.Add(KioskServiceLive.ClientActivity.BanNonAlcoholic)
.ListofAllowedActivities.Add(KioskServiceLive.ClientActivity.BarAlcoholic)
.ListofAllowedActivities.Add(KioskServiceLive.ClientActivity.Internet)
.ListofAllowedActivities.Add(KioskServiceLive.ClientActivity.PayPerView)
.ListofAllowedActivities.Add(KioskServiceLive.ClientActivity.PayPerViewAdultsOnly)
.ListofAllowedActivities.Add(KioskServiceLive.ClientActivity.PhoneExternal)
.ListofAllowedActivities.Add(KioskServiceLive.ClientActivity.PhoneInternal)
.ListofAllowedActivities.Add(KioskServiceLive.ClientActivity.Vending)
End With

oRMSPublic.CreateClient(m_sToken, oClientRecord)

```

6.5.2 Update Existing Client

```

Dim oClientRecord As RMSPublic.ClientLite

'Retreive the existing Client information using the client id
oClientRecord = oRMSPublic.GetClient(m_sToken, nClientId)

'Update some of the data
With oClientRecord
    .Title = "MRS"
    .Given = "Wilma"
    .Email = "wilma@rms.com.au"
End With

'Send the new data back to webservice
oRMSPublic.UpdateClient(m_sToken, oClientRecord, Now)

```

6.6 Using the correct Webservice URL to initialise the WCF Client

6.6.1 Initialise PublicServiceClient with custom URL

```

Private Function InitWebserviceWithURL(ByVal sWebserviceURL As String) As
    PublicLive.PublicServiceClient

'*** Initialise a PublicServiceClient WCF Client to communicate with the webservice on a custom URL
'*** sWebserviceURL is the URL Endpoint of the webservice to connect to

Dim oEndpoint As EndpointAddress
Dim oBinding As New BasicHttpBinding

'Establish Endpoint
oEndpoint = New EndpointAddress(sWebserviceURL)

'Configure Binding
With oBinding
    .Security.Mode = BasicHttpSecurityMode.Transport

    .MaxReceivedMessageSize = "20000000"
    .MaxBufferSize = "20000000"
    .ReaderQuotas.MaxArrayLength = "20000000"

    .ReceiveTimeout = New TimeSpan(0, 5, 0, 0)
    .SendTimeout = New TimeSpan(0, 0, 5, 0)
End With

'Return new instance of Public Service Client with custom endpoint
Return New PublicLive.PublicServiceClient(oBinding, oEndpoint)
End Function

```