		occur)
-2	Invalid Password	The supplied password is incorrect.
-1	Bad User Password or Locked Out	The password is incorrect or the account is disabled.

33.4 OMS Public API

OMS includes a public API in the form of a Windows Communication Foundation (WCF) service ("web service") that may be used by 3rd party developers. In its current form it includes methods related to performing rates quotes, querying Agency details and submitting membership application transactions.

Note for HAMBS staff:

For internal development and testing of the API at HAMBS there is information available to developers and testers on our internal wiki.

http://wiki.hambs.com.au/index.php/OMS_Public_API

33.4.1 Prerequisites

SERVICE CONFIGURATION

The API is deployed and hosted as part of the OMS web site. The API Service is dependent on a number of OMS and HAMBS libraries included in the web site and are therefore provided as part of one package. The Service also leverages DNN authentication and role management provided within OMS. The Service must be correctly configured within the web.config of the OMS website – contact your hosting provider and/or Service Desk for assistance.

CERTIFICATE

The Service is provided using Transport and Message security which means that a certificate is used to secure the Transport layer and user authentication (username and password) are used in the Message layer.

A certificate must be installed for the site that is hosting the service. Because OMS also requires a certificate this should have been provided as part of the OMS website installation. Self-signed certificates can be used for test environments.

User Account for API Access

A user account must be created and configured within OMS and allocated the correct role. The username and password of this account must be given to the developer by the fund.

To create the DNN user account execute the following steps:

1. Login to OMS as Administrator
2. Select Admin > User Accounts > Add New User
3. A new user needs to be added for each client that will be using the API, this will ensure the each client can be provided access only to the relevant OMS/API functions
4. Once added select the edit account icon
5. For the account click "Manage Roles for this User"
6. Choose the appropriate API role(s) from the Security Role dropdown enter an Effective date and Expiry date and then click Add Role

The API DNN roles that users can be allocated to are:

- RateQuotes – this provides access to all rates quote related methods
- Agencies – this provides access to agency and commission related methods
- AgentMemberApplication – allows agents to create membership applications
- SubmitMembershipTransaction – this provides access to submit membership applications. Note that this will only create "pending" transactions in HAMBS regardless of the STP value.
- MembershipApplication – this provides access to the "SubmitMembershipTransactionUsingSTP" method which creates new memberships as per the STP value set in HAMBS ie. Applied/Pending/Declined.
- MembershipApplicationLookup - this role provides access to the lookup methods related to the new membership application e.g. titles, relationship, previous health fund, rank etc.

If these roles are not available in your OMS Environment please contact the Service Desk for assistance.

Business Rules

It is the fund's responsibility to explain the required business rules and business concepts to any 3rd party developer that needs to use the API, as these will differ between each fund.

The fund should ensure that the developer understands required concepts such as Membership Classes, Hospital Sets, Ancillary Sets, Rates Quotes, Frequencies, Membership Conditions, Locations, Sites, Groups, Branches, Agencies, Agency commissions, Eligibility Reasons and anything else relevant to the development that is being undertaken.

CLIENT CAPABILITIES

The service is provided with a wsHTTPBinding, ie SOAP 1.2 with ws-* security. If access over SOAP 1.1 and basicHTTPBinding is required please contact the Service Desk to discuss.

DEVELOPER DOCUMENTATION

Details about how to connect to and use this API is provided in this document. Examples provided are only for .NET development but it is possible to connect to the web service from other environments that support SOAP – see Client Capabilities above.

In addition a reference in Microsoft Help Topics style is available for developers in a file called HSL.OMS.Public.Documentation.chm

The latest version of the file can be requested from the Service Desk.

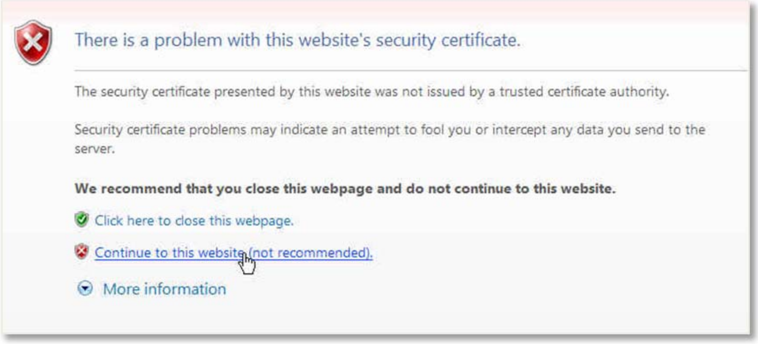
For the Service Desk: The help file is located here

33.4.2 Getting Started

Install certificate for client user
The Service must be accessed over https which means that a certificate is installed on the server. When using the Service on a site with a self-signed certificate (ie non-production sites) the certificate is not automatically trusted by the client. Therefore the certificate must first be installed on the client machine. This is most easily achieved through Internet Explorer.

1) Browse to the relevant OMS website eg https://oms170qa.hambs.com.au/

2) If a certificate has not been installed you will see this warning. Click *Continue to this web site*



3) To install the certificate click the Certificate Error in the Navigation Bar. Then click View Certificates, and then Install Certificate.

4) Go through the Wizard and install the certificate in the Trusted Root Certification Authorities store.


Certificate Import Wizard
Certificate Store
Certificate stores are system areas where certificates are kept.
Windows can automatically select a certificate store, or you can specify a location for
Automatically select the certificate store based on the type of certificate
Place all certificates in the following store
Certificate store:
Browse...
Select Certificate Store
Select the certificate store you want to use.
Personal
Trusted Root Certification Authorities
Enterprise Trust
Intermediate Certification Authorities
Active Directory User Object
Show physical stores
OK
Cancel


Certificate Import Wizard
Completing the Certificate Import Wizard
You have successfully completed the Certificate Import wizard.
You have specified the following settings:
Certificate Store Selected by User Trusted Root Certific
Content Certificate
< Back
Finish
Cancel


Security Warning
You are about to install a certificate from a certification authority (CA) claiming to represent:
oms160qa.hambs.com.au
Windows cannot validate that the certificate is actually from "oms160qa.hambs.com.au". You should confirm its origin by contacting "oms160qa.hambs.com.au". The following number will assist you in this process:
Thumbprint (sha1): 2128E148 C86BD6A2 80509103 B787B847 81D42C86
Warning:
If you install this root certificate, Windows will automatically trust any certificate issued by this CA. Installing a certificate with an unconfirmed thumbprint is a security risk. If you click "Yes" you acknowledge this risk.
Do you want to install this certificate?
Yes
No

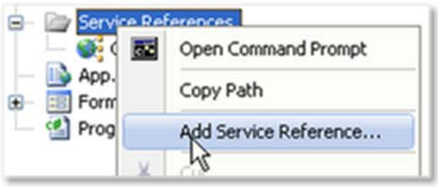
5) Restart your browser and navigate to the site again to confirm that the certificate has been successfully installed. When arriving at the site you should not get the warning shown in step two. Instead you should see the Padlock in the navigation bar indicating that the site is now trusted.

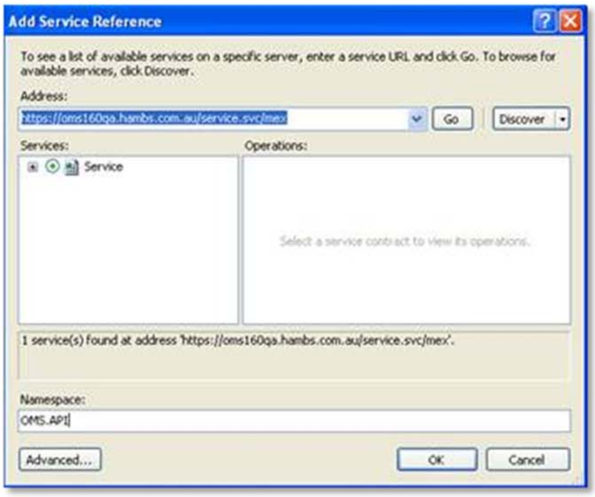
Create a proxy through Visual Studio

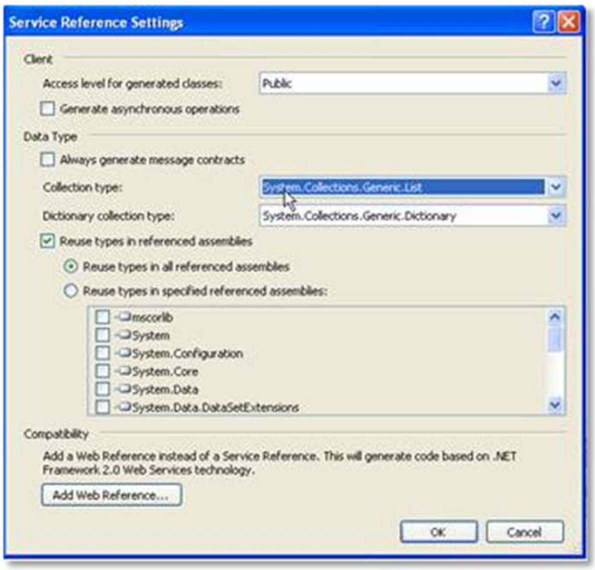
In Visual Studio add a Service reference for https://<url>/service.svc and create a proxy. Replace <url> with the address of your OMS web site.

As part of the process

1) Select your preferred namespace e.g. **OMS.API**
2) Under advanced setting set Collection Type to System.Collections.Generic.List







Use the service client in code

Example code

```
ServiceClient client;
client = new ServiceClient();
client.ClientCredentials.UserName.UserName = "UserName";
client.ClientCredentials.UserName.Password = "Password";
client.Open();
```

The Username and passwords should be provided to the developer by the fund – see Prerequisites above.

Use any of the methods e.g.

```
List<MembershipClass> membershipClasses =
client.MembershipClasses(effectiveDate);
```

Close the client when done

```
client.Close();
```

33.4.3 Rates Quote

To perform a Rates Quote a number of parameters are required. The other methods in the interface provide support for retrieving valid values for the Rates Quote Parameters.

The Rates Quote methods will return a list of quotes – one for each contribution frequency, eg Monthly, Quarterly, and Yearly. The Rates Quote returned will include the Fund Dissection details for each frequencies returned

The flow of data collection may vary depending on the business requirements of the module being developed. In the OMS Rates Quote module the data is collected in the following order

- Effective Date
- Membership Class
- Hospital Set
- Ancillary Set
- Product
- Birth date/s and LHC loading information
- Rebate Information
- Quote

Detailed developer documentation for each method and its parameters is available in the help file (see below)

Some of the Rates Quote methods have 'WithConditions" at the end of the method name. These should be used when the fund uses membership conditions to restrict access to selected rates.

Example. This code snippet shows how to retrieve a list of hospital sets with and without conditions.

```
List<ProductSet> hospitalset;
```

```
if (WithConditions)
{
      HospitalProductSetParams oparams = new HospitalProductSetParams
            {
                  EffectiveDate = this.EffectiveDate,
                  StateId = this.State,
                  MembershipClassId = this.MembershipClass,
                  LocationId = this.LocationId,
                  SiteId = this.SiteId,
                  MemberNo = this.MemberNo,
                  EligibilityReasonID = this.EligibilityReasonId,
                  EligibilitySubReasonID =
            this.EligibilitySubReasonId
            };
      hospitalset =
      client.HospitalProductSetsWithConditions(oparams);
}

else
{
      hospitalset = client.HospitalProductSets(EffectiveDate,
      State, MembershipClass);
}
```

33.4.4 ListRateScales

The `ListRateScales(string sisCode1, string sisCode2)` method allows the RateScales to be listed based on the SIS Code 1 and SIS Code 2 supplied.

33.4.5 Submit Membership Transaction (Brokers/Agents)

The `SubmitMembershipTransaction(string xml, string BrokerID)` method allows for a membership application to be submitted to the HAMBS application.

This method creates “Pending” transactions in HAMBS Membership > Membership Web Services, regardless of whether the Fund has chosen straight through processing or not (in HAMBS system parameters).

The transaction data is submitted in the form of XML. This XML needs to comply with the schema for this transaction.

TRANSACTION SCHEMA

The schema is defined in the file MemberServices.xsd. This file can be downloaded from the relevant OMS website: https://<url>/MemberServices.xsd

	Field	Description	Format	Mandatory?	Possible values
Submitted By					

	Field	Description	Format	Mandatory?	Possible values
	SubmittedBy	Identifies who is submitting the membership application. If the value is 'agent', it indicates that the member needs to confirm their rebate details (from a pop-up) when they log in to OMS for the first time (also see *Rebate Confirmation Module* in this guide).		No	Agent Membr
Person					
	PersonId	Identifier for the person - should always be set to 0 for all persons		Yes	0
	EffDate	This should be set to the membership join date	yyyy-mm-dd	Yes	
	Relationship	The person's relationship to the member. For the member person this should always be set to 'Membr'		Yes	**Baby = Baby** **Dtr = Daughter** **FDtr = Foster Daughter** **Fson = Foster Son** **Membr = Member** **Other = Other (adult) dependant** **Ptnr = Partner** **Son = Son** **Sps = Spouse**

	Field	Description	Format	Mandatory?	Possible values
	Title	Person's title		No	Dr = Doctor EST = Estate of the Late Master = Master Miss = Miss Mr = Mr Mrs = Mrs Ms = Ms Prof = Professor Rev = Reverend Sir = Sir Sr = Sr
	Firstname	Person's first name		Yes	
	SecondName	Person's second name		No	
	Surname	Person's surname (last name)		Yes	
	Postnominals	The person's postnominals (if any).		No	
	Gender	Person's gender		Yes	F = Female M = Male
	PIN	Membership's password for login to online member services - this field can only be set on the member person (main applicant)	6-20 characters	No	
	Birthdate	Persons date of birth	yyyy-mm-dd	Yes	
	MediCardNo	Ten digit medicare card number		No	
	MediCardSubnumerate	Number of the person on the card		No	
	MediCardExpDate	Card expiry date	yyyy-mm-dd	No	
	MediCardFirstName	First name on card		No	

	Field	Description	Format	Mandatory?	Possible values
	MediCardSecondName	Second name on card		No	
	MediCardSurname	Last name on card		No	
	FullTimeStudent	Is this person a full time student?		No	true / false
	EDInstitutionName	Name of Education institution for full time student		No	
	EmailAddress	Person's personal email address		No	
	PreexistingConditions	Not used		No	
	Transferring	Is the person transferring from another fund?		No	true / false
	PreviousFund	Previous fund code		No	See PreviousFund table
	PreviousFundMemberNo	Member number at previous fund		No	
	PreviousFundCover	Name of cover at previous fund - free text		No	
	PreviousFundDateJoined	Date person joined their previous fund	yyyy-mm-dd	No	
	PreviousFundDateCeased	Date person left their previous fund	yyyy-mm-dd	No	

	Field	Description	Format	Mandatory?	Possible values
	IsMember	Is this the member person (main applicant)? Should be set to true for the member person - does not need to be set for other persons		No	true / false
	HasCoverVariation	Indicates whether the person has a cover variation or not		No	true / false
	JoinDate	This should be set to the membership join date	yyyy-mm-dd	No	
	LifetimeHealthCoverLoading	Allows setting of LHC values (as seen in HAMBS > Maintain Membership person)		No	
	LHC Loading sub-heading: EntryAge	Age of the person for LHC loading purposes	99 (two numeric digits)	Yes if LHC Loading section exists	30-99
	LHC Loading sub-heading: AbsenseDays	Number of days the person has not held hospital cover since the 1st July following their 31st birthday	Numeric	No	Zero or a positive integer

	Field	Description	Format	Mandatory?	Possible values
	LHC Loading sub-heading: Override	Is the LHC loading to be overridden?	Boolean	No	true/false
	LHC Loading sub-heading: EntryAgeExempt	Is the person exempt from the Entry Age conditions?	Boolean	No	true/false
	LHC Loading sub-heading: PreviousFundPaidHospitalDays	Number of days paid for a person as benefits from a previous fund	Numeric	No	Zero or a positive integer
	Properties	Fund (User) defined properties - these can be used to capture any data that cannot be captured elsewhere. The Fund will need to define the name of each property to be used. They need only be saved for the member person.		No	
	Name	Property Name		No	
	Value	Property value entered by user		No	

	Field	Description	Format	Mandatory?	Possible values
Contacts > Address					
	Code	Define the type of address, eg H= Home	1 character	Yes	H = Home P = Postal
	EffDate	Effective date for the address - should be set to the membership join date	yyyy-mm-dd	Yes	
	Overseas	Indicates whether this is an overseas address.		Yes	true/false
	Line1	Address line 1		Yes	
	Line2	Address line 2		No	
	Line3	Address line 3 - only used for overseas addresses		No	
	Locality	Suburb - only used for domestic addresses - mandatory for domestic address		No	
	State	Domestic address state - Mandatory for domestic address	Min 2 char max 3	No	ACT = Australian Capital Territory NSW = New South Wales NT = Northern Territory QLD = Queensland SA = South Australia TAS = Tasmania VIC = Victoria WA = Western Australia

	Field	Description	Format	Mandatory?	Possible values
	Postcode	Domestic address postcode - mandatory for domestic address	Numeric 200 to 9999	No	
Contacts > Phone					
	Code	Type of phone number	1 character	No	H = Home Phone M = Mobile Phone W = Work Phone X = Home Fax Y = Work Fax
	Number	Phone number	Min 8 char max 15	No	
Contacts					
	EmailAddress	Membership's Contact email address		No	
	CorrMethID	Correspondence method id		Yes	Always set to 'Mail'
	IsSendEmail	Member has consented to receive information via email - only set to true if member is asked the question and consents otherwise always send false		Yes	true/false
CommunicationPreferences					
		Optional elements not required			
Cover					

	Field	Description	Format	Mandatory?	Possible values
	EffDate	Effective date of the cover - should be set to the membership join date	yyyy-mm-dd	Yes	
	Class	3 fields for cover selection option 1 Used in combination with CoverType and ProductSelection by HAMBS to determine Product rate scale.	max 5 char	No	Sgl = Single Fam = Family SPFam = Single Parent Cpl = Couple 2PNoA = 2+ Persons No Adults 3Adlt = 3+ Adults FamX = Family - extended SPFaX = Single Parent - extended SglV = Single - variation FamV = family variation ChldV = Children-Variation
	CoverType	Type of cover selected		No	H = Hospital A = Ancillary C = Combined
	ProductSelection	Product ID selected	min 1 char max 10	No	Fund's Product IDs
	AccountIgnored	Set to false		No	true/false
	Benefit PaymentMethod	Method of payment of benefits selected by customer		No	Chq = Cheque D/Cr = Direct Credit

	Field	Description	Format	Mandatory?	Possible values
	CoverRate Selection	Single field preferred option for cover selection Product rate scale code If used set CoverType and ProductSelection to string "BLANK"		No	**Fund's Product Rate Scale IDs**
Cover > Account		Account is only specified if BenefitPaymentMethod = D/Cr This is the account that benefits will be paid into.			
	AccountType	Type of account in this case would be credit (for Benefit Payments)		No	credit
	DebitCreditID	Debit or Credit class		Yes	**Bank = Bank Account** **C/U = Credit Union** **Cbank = Direct Credit Bank Account** **B/Soc = Building Society**
	BSB	BSB number of bank account (if chosen)	7 characters '000-000'	No	
	InstitutionName	Bank name		No	

	Field	Description	Format	Mandatory?	Possible values
	ExpiryMonth	Month of expiry of account	2 characters	No	
	ExpiryYear	Year of expiry of account	min 2 max 4	No	
	AccountNumber	Bank account number		Yes	
	AccountName	Bank account name		Yes	
Contributions					
	DirectDebit Contrib Payments	Will member pay contributions by Direct Debit?		Yes	true/false
	EffDate	Effective date of direct debit - set to Membership join date	yyyy-mm-dd	No	
	ContribFreq	Selected contribution frequency		No	4Wkly = 4 Weekly Bimth = Bi Monthly Fnght = Fortnightly 6Mtly = Half Yearly Mtly = Monthly Qtly = Quarterly Wkly = Weekly Yrly = Yearly
	Rebate	Customer wishes to apply for Federal Government 30% rebate		No	true/false
Contributions > RebateTier					
	EffDate	Effective date of rebate tier nomination	yyyy-mm-dd	Yes	

	Field	Description	Format	Mandatory?	Possible values
	Tier	Nominated rebate tier level		Yes	0 = No Tier 1 = Tier 1 2 = Tier 2 3 = Tier 3
	EligibleMedicare	**Member is eligible for medicare**		**No**	**true/false**
	DebitOnDate	**Date of first direct debit**	**yyyy-mm-dd**	**No**	
Contributions > Account					
	DebitCreditID	Direct Debit class		Yes	Amex = American Express Bank = Bank Account C/U = Credit Union Mcard = Mastercard Visa = VISA B/Soc = Building Society Diner = Diners club card
	BSB	BSB number of bank account (if chosen)	7 characters	No	
	ExpiryMonth	Month of expiry of charge card (if chosen)	2 characters	No	
	ExpiryYear	Year of expiry of charge card (if chosen)	min 2 max 4	No	
	AccountNumber	Credit card or bank account number		Yes	
	AccountName	Credit card or bank account name		Yes	

	Field	Description	Format	Mandatory?	Possible values
Membership					
Membership > Group				No	
	EffDate	Effective date for the group - should be set to the membership join date	yyyy-mm-dd	No	
	GroupID	ID code of group fund requires new member to join to		No	**Funds to provide broker with the GroupID to use if required**
	PayrollNo	Pay roll number of customer (if payroll group) probably not required in this case		No	
Membership > Branch				No	
	EffDate	Effective date for the Branch - should be set to the membership join date	yyyy-mm-dd	No	**Fund to provide broker with the BranchID to use if required**
	BranchID	ID code of branch fund requires new member to join to		No	
Membership > Agency				No	
	EffDate	Effective date for the Agency - should be set to the membership join date	yyyy-mm-dd	No	

	Field	Description	Format	Mandatory?	Possible values
	AgencyID	ID code of agency fund requires new member to join to		No	**Fund to provide broker with the AgencyID to use if required**
Membership > Site				No	
	EffDate	Effective date for the Site - should be set to the membership join date	yyyy-mm-dd	No	
	LocationID	ID code of location fund requires new member to join to		No	**Fund to provide broker with the LocationID to use if required**
	SiteID	ID code of site fund requires new member to join to		No	**Fund to provide broker with the SiteID to use if required**

Previous Fund Selection

ID	Name
ACA	A.C.A. Health Benefits Fund
AHBS	Defence Health Ltd
AMA	A.M.A. Health Fund Limited
AU	Australian Unity Health Limited
CBHS	CBHS Friendly Society Limited
CDH	Cessnock District Health Benefits Fund Limited
CUA	Credicare Health Fund Limited
AHM	Australian Health Management Group Limited
GMF	Goldfields Medical Fund (Inc.)
GMHBA	GMHBA Limited
GU	Grand United Health Fund Pty Limited
GUC	Grand United Corporate Health Limited
BUPA	HBA, aka BUPA Australia Health Pty Ltd
HBF	HBF Health Funds Inc
HCF	Hospitals Contribution Fund of Australia Limited
HCI	Health Care Insurance Ltd.
HHBF	Healthguard Health Benefits Fund Limited
HIF	Health Insurance Fund of W.A.
HSL	HAMBS
IOOF	IOOF Health Services Ltd
IOR	I.O.R. Australia Pty. Ltd.
LHMC	Lysaght Peoplecare
LHS	Latrobe Health Services Inc.
MBF	Medical Benefits Fund of Australia Ltd
MDHF	Mildura District Hospital Fund Limited
QCH	Queensland Country Health Limited
MP	Medibank Private Limited
MU	Manchester Unity Australia Ltd
NAVY	Navy Health Ltd
NIB	N.I.B. Health Funds Limited
AXA	AXA Australia Health Insurance Pty Ltd
NSWTF	Teachers Federation Health Ltd
OTH	Other Unknown Fund
PWAL	Phoenix Health Fund Limited
QTUHS	Teachers Union Health
RBHS	Reserve Bank Health Society Ltd
RTEFS	Railway & Transport Employees' FS Health Fund Ltd
SGIO	NRMA Health Pty Ltd
SLMHB	St Luke's Medical & Hospital Benefits Assn Ltd
SAPOL	South Australian Police Employees' Health Fund Inc

HP	Health-Partners Inc
TBF	Transition Benefits Fund Pty Ltd
TFS	Transport Friendly Society Ltd
UAOD	United Ancient Order of Druids
UOADN	United Ancient Order Druids - NSW
WDHF	Western District Health Fund Ltd
YMHS	Federation Health

Returned Results

Transactions submitted using this method will always be left in a Pending state regardless of whether straight through processing (HAMBS System Parameter) is turned on or off.

The Submit Membership Transaction function requires two parameters:

Name	Type	Description
xmlFile	String	This is the Membership Application xml. It must comply with the MembershipApplication schema found in MemberServices.xsd.
BrokerID	String	This BrokerID must match an AgentID in the HAMBS Agencies table. This agency must have a class of Online Member Services and will need to have a Membership Number Range defined for it in HAMBS.

This method will return an object of class `SubmitTransactionResult` containing:

Name	Type	Description
TransactionID	Int	Receipt number for the submitted transaction. This is the same as 'TransID' in the HAMBS Database.
MemberNo	Int	Member Number for Applied Transaction only. (SubmitMembershipTransactionUsingSTP) otherwise returns zero (0).

Status	Enum	“Applied” if STP on and transaction is successful “Pending” if STP OFF, or if STP on and transaction is not successful “Error” if something went wrong
List<TransactionError>	List<>	List of any returned error messages.

SAMPLE CODE

```
ServiceClient myClient = new ServiceClient();
//Set Credentials
myClient.ClientCredentials.UserName.UserName = "userNameProvidedByFund";
myClient.ClientCredentials.UserName.Password = "passwordProvidedByFund";
string agentID = "agentIdProvidedByFund";

//Create xml from lookups and assign transaction xml
string transactionXML = @"<MembershipApplication xmlns=""http://www.hambs.com.au/MemberServices/MemberServices.xsd""
                         xmlns:xsi=""http://www.w3.org/2001/XMLSchema-instance""
                         xmlns:xsd=""http://www.w3.org/2001/XMLSchema"">
                         <Persons>
                           <Person>

                              ...
                              Rest of XML goes here
                              ...
                         ";

//Open Connection
myClient.Open();

//Call Method
SubmitTransactionResult result =
    myClient.SubmitMembershipTransactionUsingSTP(transactionXML, agentID);

int memberNo = result.MemberNo;
int transactionID = result.TransactionID;
TransactionStatus status = result.Status; //Get transaction status Applied, Pending or Error
List<TransactionError> errors = result.Errors; //Get a list of any published error messages on the transaction

foreach(TransactionError error in errors)
{
   string id = error.Id;
   string text = error.Text;
}

//Close connection
myClient.Close();
```

New Membership Application

API for the new membership application provides methods to allow custom built membership applications to retrieve information from HAMBS and also submit new membership application transaction into the Membership web services form.

Lookup Methods

Name	Returns	Description

ListTitles	**Id,** **Description,** **Gender**	Lists all Titles from HAMBS>Reference Information>Titles
ListRanks	**Id** **Description**	Lists all Ranks from HAMBS> Reference Information > Ranks
ListHealthFunds	**HICID** **Description**	Lists all HAMBS > Reference Information > Health Funds
ListCommunicationTypes	**MediumID** **MediumDescription** **CommunicationMediumID** **CommunicationGroup IsUsedstatus** **CommunicationGroup IsOptional Status** **CommunicationGroupID**	Lists Used and Web Active Communication groups and communication media from HAMBS>communication Reference > Communication groups
ListRelationships	**ID** **Description** **Class** **Gender**	Lists all Relationships from HAMBS > Reference information > Relationships
BankBranchById with bsb string parameter	**Institution Name** **Branch Name** **Branch Address Line1** **Branch Address Line2**	Returns the matching Bank details for bsb from HAMBS >Administration > BSBs
ListUserDefinedProperties with published boolean parameter	ID Description Domain IsMandatory Any associated look up values	List of User Defined Properties. Boolean specifes Published or NOT Published User properties to be returned. Lookup values are supplied if defined in HAMBS > Reference information >User Defined Properties
ListBadges	ID	List all Badges from

	Name	HAMBS > Administration > Badges
ListDirectDebitCreditClasses	Direct Debit/Credit ID Description Class Charge Card Type	Lists all Active, Direct Debit DB/CR Classes from HAMBS > Reference Information>Direct Debit/Credit Classes

Submit Membership Application Transaction (Funds) using STP in HAMBS

The method `SubmitMembershipTransactionUsingSTP(string xmlFile, string AgentID)` allows membership transactions to be submitted according to the Fund's HAMBS system parameter settings (STP – applied, pending, or declined; and either a prospective or full membership created).

The transaction data is submitted in the form of XML. This XML needs to comply with the schema for this transaction. (Pease refer to the above Transaction Schema)

Returned Results

Transactions submitted using this method will be either pending, declined or applied as defined by the STP system parameter in HAMBS.

The Submit Membership Transaction function requires two parameters:

Name	Type	Description
xmlFile	String	This is the Membership Application xml. It must comply with the MembershipApplication schema found in MemberServices.xsd.
AgentID	String	This AgentID must match an AgentID in the HAMBS Agencies table. This agency must have a class of Online Member Services and will need to have a Membership Number Range defined for it in HAMBS.

This method will return an object of class Submit Transaction Result (as listed previously).

33.4.6

33.4.7 List Home Support Services Persons

The API method ListHomeSupportServicesPersons returns a list of active (not terminated) persons for a given member number.

This method will return an object of class `HomeSupportServicesPerson` for each person containing:

Name	Type	Description
PersonID	Integer	Person ID number
FirstName	String	Person's First Name
Surname	String	Person's Surname
BirthDate	DateTime	Person's Date of Birth
Relationship	String	Person's Relationship to the member

33.4.8 RequestClearanceCertificateForMember

This method generates a clearance certificate request email to the email Id provided. It requires a membership number and transaction number also to be supplied in addition to the Fund email address.

```
void RequestClearanceCertificateForMember(int memberNo, int
transactionId,string healthFundEmail)
```

33.5 Membership Application – Eligibility Reason & Sub Reason ID

Eligibility Reason and Sub Reason ID can be passed to the membership application module through a post or a session value. This can be done if a fund has a custom eligibility page, but then uses the standard OMS member application steps from the "Cover" step onward.

To pass these values from custom Eligibility page please hide the Eligibility Step in Membership Application >> Configure Content General >> Wizard Bar Labels >> Eligibility and also hide Eligibility Reasons in Membership Application >> Configure Content Eligibility >> Eligibility Generic >> Eligibility Reasons >> Visible.

31.5.1 Fields

Field name	Format	Description
EffectiveDate	DateTime When posting use format dd/mm/yyyy	This is the effective date of the quote and the start date for the cover. This should be today's date or a future date. Dates in the past are not allowed. This field is mandatory.
EligibilityReasonID	String	This is the eligibility reason ID configured in HAMBS. This field is mandatory.
EligibilitySubReasonID	String	This is the eligibility sub reason ID configured in HAMBS

33.5.1 References / Terminology

A brief description of health fund specific terms is listed below for reference.

LHC (Lifetime Health Cover)

The Government program providing an incentive for Australians to obtain Hospital cover and keep it. In basic terms, anyone who takes out Health Cover prior to the end of Financial Year of their 31st birthday will be exempt from the loading. For each additional (financial) year over their 31st birthday, a person taking out hospital cover for the first time will be subject to a 2% loading per year (up to a maximum of 70%).

OMS asks the member/spouse (who is over 31) Have you had continuous health cover?

This is determining whether the person is transferring to the current fund, and has maintained hospital cover with their previous fund since they were 31 – this means they're exempt if the answer to this question is YES.

LHC loading only applies to adults on the membership over the age of 30, so LHC loading calculations are only applied to the member and the member's partner in OMS. If both the member and their partner are subject to loading, the two percentages are added together, then divided by 2. If only one or the other is subject, the loading percentage is divided by two (as in two people).

LHC loading only applies to Hospital premiums. If the member is requesting both Hospital and Extras cover, only the Hospital component of the premium is subject to the loading.

Rebate (Government 30% Rebate)

The Government offers 30% rebate to all Australians taking health cover. OMS asks the applicant the question "Include Government Rebate?" If the answer is Yes, premiums are discounted by 30% or higher depending on the age of the oldest person on the cover.

Product Sets (Hospital & Ancillary)

Product Sets are the categories Funds apply to each level of cover. There are two product set types available for each cover (or product) – Hospital and Ancillary (which is extras).

Each product can be a combination of a hospital product set and an ancillary (extras) product set, or only one or the other if the cover is just hospital or just extras.

OMS uses product sets to present the member with the different options that can be put together to select a matching product.

Products and Rate Scales

Products and Rate Scales are closely tied together in HAMBS.

Each level of cover that a member might take, for instance *Top Hospital Cover, Basic Hospital & Ambulance (etc.)* is referred to as a Product. Within each product, multiple Rate Scales are setup to control how much the cover will cost for different membership classes.

For instance, the *Top Hospital Cover* Product may consist of the following Rates:

Rate Scale code	Membership Class	State
AAAA	Single	South Australia
BBBB	Couple	South Australia
CCCC	Family	All States
DDDD	All Classes	New South Wales

Each Rate Scale code can then be assigned different dollar amounts that the member will have to pay.

Membership Class (Membership Type)

Membership class defines how many people are on a membership and what their relationships to each other will be. Below is the full list of classes.

Class ID	Class Name	Notes
Sgl	Single	Only one person on the membership
Fam	Family	Consists of a spouse/partner and at least one child
Cpl	Couple	Two persons in a spouse/partner relationship – no children
SPFam	Single Parent	One adult and at least one child
2PnoA	2+ persons no adults	Two or more children with no adults
3Adlt	3+ adults	Three or more adults – no children
ChldV	Children – variation	Two or more children and one adult with a cover variation
FamX	Family Extended	Consists of a spouse/partner and at least 1 child of student age who is not a student
FamV	Family – Variation	Two persons in a spouse/partner relationship one with a cover

		variation, and at least 1 child
SglV	Single – Variation	Two persons member and spouse or child with the member having a cover variation
SPFaX	Single Parent Extended	One adult and at least one child or student age who is not a student

FREQUENCIES

Frequencies refer to the regular time period in which contributions are required to keep the health cover active.

Standard frequencies are: Monthly, Fortnightly, Quarterly, 6 Monthly and Yearly.