

POCKETvouchers Allocation Service

Web Service Document

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<http://www.pocketvouchers.com>

1.1 Background

3rd party applications can trigger a POCKETvoucher request by calling the POCKETvoucher Allocation Service. This is a Microsoft.Net Windows Communication Foundation (WCF) service hosted in the cloud (Windows Azure) which presents itself as a Basic profile Web Service with an HTTPS endpoint.

The Web Services Description Language (WSDL) specification for the interface is available from the following URL

<https://services.host.pocketvouchers.com/Allocation.svc>

Most software development environments provide the ability to generate clients which consume Web Services either graphically or via command line tools.

The Allocation interface implements the OASIS security standard as specified in the document referenced below:

<http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-soap-message-security-1.0.pdf>

1.2 Operations

The interface currently has four operations:

1. AllocateToConsumerMobile

Allocates one POCKETvoucher code to a consumer and responds with details via the web service for the 3rd party application to send the POCKETvoucher SMS

2. AllocateToConsumerMobileAndSendSMS

Allocates one POCKETvoucher code to a consumer, responds with details via the web service and sends the POCKETvoucher SMS via its own SMS Gateway

3. AllocateToConsumerAnonymous

Allocates one POCKETvoucher code and responds with details via the web service for the 3rd party application to process.

4. AllocateToConsumerReference

Allocates one POCKETvoucher code and responds with details via the web service for the 3rd party application to process. The Client provides a reference code for each Consumer which is used to identify them.

1.3 Input Parameters

The caller has to provide values for the following input parameters:

1. **clientId**

A unique ID to identify client as supplied by POCKETvouchers during the integration process. Non-blank, alphanumeric text up to 25 characters long.

2. **campaignId**

Uniquely identifies individual client's campaigns and will be supplied by POCKETvouchers at the start of each campaign. Non blank, alphanumeric text up to 25 characters long.

3. **activityId**

Uniquely identifies individual activities within a specific campaign if required for reporting purposes and will be supplied by POCKETvouchers at the start of each campaign. Non blank, alphanumeric text up to 25 characters long.

4. **clientReference**

An optional identifier provided by the client which can be attributed to each individual POCKETvoucher request and used to match up POCKETvouchers redemption data. Can be blank, alphanumeric text up to 64 characters long.

5. **mobileNumber**

The mobile phone number of the consumer to which the POCKETvoucher is to be allocated. The format is MSISDN e.g. 6421123456

1.4 Security Configuration

The user name is not case sensitive and consists of the Client ID and Campaign ID separated by the backslash character '\\'.
A username and password will be provided as part of the integration process.

1.5 Output Parameters

The POCKETvouchers application will return data via the following output parameters

1. **VoucherCode**

The POCKETvoucher code to be allocated to this consumer. Non blank, alphanumeric text up to 19 characters long.

2. **VoucherExpiryDate**

The final day the POCKETvoucher is valid to be used if required. The standard settings for POCKETvoucher expiries is 11:59pm on the ExpiryDate

3. SMSMessageText

Free form text message up to 320 characters long containing additional information about the outcome of a successful transaction. This could include the entire SMS for the 3rd party application to send via their own SMS gateway.

4. DisplayMessageText

Free form text message up to 100 characters long containing additional information about the outcome of an unsuccessful transaction. This can be used to display error explanations on 3rd party websites e.g. Sorry, this campaign is limited to 1 POCKETvoucher per person

1.6 Return Parameter

An enumeration indicating the outcome of the operation.

Success – Allocation successful.

Error – An unexpected error has occurred.

1. Guard condition failures

ClientIdFormatInvalid – Value null or invalid length

ClientReferenceFormatInvalid – Value null or invalid length

CampaignIdFormatInvalid – Value null or invalid length

ActivityIdFormatInvalid – Value null or invalid length

MobileNumberFormatInvalid – Value null, invalid length or unsupported network prefix

ConsumerReferenceFormatInvalid – Value null or invalid length

2. Business logic failures

UserNameFormatInvalid - Value null, has an invalid length or the separator is missing.

CampaignIdUserNameMismatch – The CampaignId in the user name doesn't match the one provided in the user name of the Allocation API call.

ClientIdUserNameMismatch - The ClientId in the user name doesn't match the one provided in the user name of Allocation API call.

ClientIdUnknown – The Client ID provided is not configured in the database.

ClientDeactivated – The Client associated with this Client ID has been deactivated.

CampaignIdUnknown - The Client\Campaign ID combination provided is not configured in the database.

CampaignDeactivated – The Campaign associated with this Campaign ID has been deactivated.

ActivityIdUnknown - The Campaign ID\Client ID\Activity ID combination provided is not configured in the database.

ActivityTypeMismatch – The type of Allocation requested does not match the Type of Allocation configured.

ActivityDeactivated - The Activity associated with this Campaign ID has been deactivated.

ActivityTypeConfigurationUnknown – The configuration of the Activity is incomplete

ActivityTimezonePeriodNotConfigured – The Timezone configured for the Activity is missing a timezone period which spans the Allocation request time.

DisplayMessageTextFormatStringInvalid – The message template for display messages is not correctly formatted.

SMSMessageTextFormatStringInvalid - The message template for SMS messages is not correctly formatted.

ConsumerDeactivated – The Consumer making the request has been deactivated.

VoucherAllocationNotStarted – The Allocation request was made before start time in the Activity configuration.

VoucherAllocationFinished - The Allocation request was made after finish time in the Activity configuration.

VoucherAllocationNotEnabledForDayOfWeek – The Allocation request was made outside of the valid periods configured for the Activity.

VoucherBatchAllocationLimitReached – The number of Vouchers that can be Allocated from the specified Voucher Batch has been reached.

CampaignAllocationLimitReached - The number of Vouchers that can be Allocated to a Consumer for the Campaign has been reached.

ConsumerVoucherAllocationLimitReached - The number of Vouchers that can be Allocated to a Consumer for the Activity has been reached.

ActivityVoucherAssignmentExhausted – There are no more Vouchers available for Allocation in the VoucherBatch.

SMSGatewayDeactivated – The SMS Gateway associated request has been deactivated.

SMSGatewayUnableToSendSMS – Unable to put outbound message into the SMS Gateway outbound message queue.