HOT Recharge Webservice Specification Proposals version 2.8.3

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# Summary

This is the specification document for the HOT Recharge RESTful Web Service 2.0.

## Methods

There are 10 methods covered in this document that describe the current full functionality of the Web Service.

### Agent Balance

### End user balance

### Recharge Pinless

### Query Transactions

### Data Bundle Recharge

### Get Data bundles

### Query EVD Pin Stock

### Bulk EVD Pin Purchase

### Recharge EVD Pin

### ZESA Purchase Token

# Set-Up

## Root endpoint

All Https requests should have the following root:

<https://ssl.hot.co.zw/api/v1/>

## Authentication & Auditing

To ensure that all requests are properly authenticated it is a requirement that the following custom headers are passed to the web service.

|  |  |
| --- | --- |
| Field | Value |
| x-access-code | As currently, the accesscode the Agent has registered |
| x-access-password | As currently, the password the Agent has registered |
| x-agent-reference | A STRING with maximum 50 characters A unique key to identify the agent’s particular request. The webservice will not allow duplicate references to be passed. |

## MIME media types

All request bodies and responses will use **application/json**

## Response codes

The service will return response codes at two levels: 1. HTTP and 2. Application level.

**HTTP**

HTTP status codes will be used to provide more information about the transport with codes such as (and not limited to) 200 – Success, 404 – Not found, 400 – Bad Request, 401 – Unauthorized, 500 – Internal Server Error. Please review the [HTTP specification](https://tools.ietf.org/html/rfc2616) if necessary.

**Application**

Responses will haveReplyCode and ReplyMessage as fields in their body. These will give more detail about the exact nature of any issue with respect to the HOT Recharge domain. A more detailed enumeration of response codes is found in Section **7 Reply Codes and Error Messages**.

# WalletBalance

## Method

**GET** /agents/wallet-balance

## Response

|  |  |
| --- | --- |
| Field | Value |
| ReplyCode | 2 for Success or for failures is the error code |
| ReplyMsg | Message string with a descriptive result |
| WalletBalance | Agent Account Balance as currently |
| AgentReference | The STRING x-agent-reference used to make the request |

# End user balance

## Method

**GET** /agents/enduser-balance?targetMobile=[mobile number]

## Response

|  |  |
| --- | --- |
| Field | Value |
| ReplyCode | 2 for Success or for failures is the error code |
| ReplyMsg | Message string with a descriptive result |
| MobileBalance | Mobile Number Balance of the end user |
| WindowPeriod | If window period information is available (how long is the cell phone line active on the network) |
| AgentReference | The STRING x-agent-reference used to make the request |

# Recharge Pinless

## Method

**POST** /agents/recharge-pinless

## Method Body

The method body to be sent as body parameters, for example ‘{"amount": 0.1, "targetMobile" : "MobileNumber"}'

|  |  |
| --- | --- |
| Field | Value |
| Amount | As currently |
| TargetMobile | As currently national format (077xxxxxxx or 086XXxxxxxx) |
| BrandID | Optional – From a pre-determined list for TXT, DATA and other Services when available from networks |
| CustomerSMS | Optional – see below |

## Customisation of SMS sent to End User (As Nested JSON object)

|  |  |  |
| --- | --- | --- |
| Item | Description |  |
| CustomerSMS | A String with variables as below, which will be replaced by the service upon successful recharge and sent to the end-user customer. A maximum length of 135 Characters is available, including spaces and returns after replacing the variables. |  |
| Allowed Variables in Custom Response Message | Format | Number of Characters |
| %AMOUNT% | $XXX.XX | 7 |
| %INITIALBALANCE% | $XXX.XX | 7 |
| %FINALBALANCE% | $XXX.XX | 7 |
| %DATA% | XXXX Mb | 7 |
| %TXT% | XXX Texts | 9 |
| %COMPANYNAME% | As Defined by Customer on the website www.hot.co.zw | |
| %ACCESSNAME% | Defined by Customer on website – Teller or Trusted User or branch name | |

## Response

|  |  |
| --- | --- |
| Field | Value |
| ReplyCode | 2 for Success or for failures is the error code |
| ReplyMsg | Message string with a descriptive result |
| WalletBalance | Agent Account Balance |
| Amount | Value Recharged |
| Discount | Decimal value representing the percentage discount. |
| InitialBalance | (Optional) Decimal Field representing the Customer’s balance before the transaction if available |
| FinalBalance | (Optional) Decimal Field representing the Customer’s balance after the transaction |
| Window | (Optional) DateTime representing the customer’s active period after the transaction if available |
| Data | (Optional) The amount of Data available after Recharge |
| SMS | (Optional) The number of SMS text messages available after Recharge |
| AgentReference | The STRING x-agent-reference used to make the request |
| RechargeID | Integer from HOT Recharge |

# Query A Transaction for reconciliation

This method is a separate method for requesting the result of a previous transaction within the last 30 days.

## Method

The Agent Reference in the Header is a specific new Agent reference for this GET Query. The agent reference passed in the querystring should be one which has previously been used in the custom headers. See: [Authentication & Auditing](#Authentication)

**GET** /agents/query-transaction?agentReference=[reference]

Where [reference] is the Agent reference of the original transaction request from the Agent.

## Response

The response will be what should have been returned to the Agent. The Return Object in the Raw Reply will differ based on the original transaction type e.g. Recharge Pinless. If the original transaction cannot be found, an error is returned with the appropriate error code.

## For Recharge Pinless

|  |  |
| --- | --- |
| Field | Proposed |
| ReplyCode | 2 for Success or for failures is the error code |
| ReplyMsg | Original Reply Message |
| OriginalAgentReference | The Agent Reference of the transaction Queried |
| RawReply | As a nested JSON object, the content of the reply to the original request with the agent reference matching [reference]. |
| AgentReference | The STRING x-agent-reference used to make the request |

# Data Bundle Recharge

## Method

**POST** /agents/recharge-data

## Method Body

The method body to be sent as body parameters, for example ‘{"productcode": “ProductCode”, "targetMobile" : "MobileNumber"}'

|  |  |
| --- | --- |
| Field | Value |
| ProductCode | Bundle Product Code |
| Amount | Value of the Bundle (Optional) |
| TargetMobile | As currently national format (077xxxxxxx or 086XXxxxxxx) |
| CustomerSMS | Optional – see below |

## Customisation of SMS sent to End User (As Nested JSON object)

|  |  |  |
| --- | --- | --- |
| Item | Description |  |
| CustomerSMS | A String with variables as below, which will be replaced by the service upon successful recharge and sent to the end-user customer. A maximum length of 135 Characters is available, including spaces and returns after replacing the variables. |  |
| Allowed Variables in Custom Response Message | Format | Number of Characters |
| %AMOUNT% | $XXX.XX | 7 |
| %COMPANYNAME% | As Defined by Customer on the website www.hot.co.zw | |
| %ACCESSNAME% | Defined by Customer on website – Teller or Trusted User or branch name | |
| %BUNDLE% | Name of the Data Bundle | |

## Response

|  |  |
| --- | --- |
| Field | Value |
| ReplyCode | 2 for Success or for failures is the error code |
| ReplyMsg | Message string with a descriptive result |
| WalletBalance | Agent Account Balance |
| Amount | Bundle Value |
| Discount | Decimal value representing the percentage discount. |
| InitialBalance | (Optional) Decimal Field representing the Customer’s balance before the transaction if available |
| FinalBalance | (Optional) Decimal Field representing the Customer’s balance after the transaction |
| Window | (Optional) DateTime representing the customer’s active period after the transaction if available |
| Data | (Optional) The amount of Data available after Recharge |
| SMS | (Optional) The number of SMS text messages available after Recharge |
| AgentReference | The STRING x-agent-reference used to make the request |
| RechargeID | Integer from HOT Recharge |

# Get Available Data Bundles

## Method

**GET** /agents/ get-data-bundles

## Response

|  |  |
| --- | --- |
| Field | Value |
| ReplyCode | 2 for Success or for failures is the error code |
| Bundles | Bundles is a list of Product Bundle Response Item |
| AgentReference | The STRING x-agent-reference used to make the request |

## Product Bundle Response Item

|  |  |
| --- | --- |
| Field | Value |
| BundleId | Bundle’s Unique Identifier |
| BrandId | (Optional) Brand Category of Bundle |
| Network | Network Provider Name e.g. Econet, Netone, Telecel |
| ProductCode | Bundle Product Code to quote when recharging |
| Amount | Data Bundle value in cents |
| Name | Name of Data Bundle |
| Description | Full Description of Data bundle |
| Validity Period | Period of validity for bundle in days |

# Query Pin stock

The method is used for querying Electronic Voucher PIN stock.

## Method

**GET**   /agents/query-evd

## Response

|  |  |
| --- | --- |
| Field | Value |
| ReplyCode | 2 for Success or for failures is the error code |
| ReplyMsg | Message string with a descriptive result |
| InStock | A Collection of BrandID, BrandName, Denomination and Quantity |
| AgentReference | The STRING x-agent-reference used to make the request |

# Bulk EVD PIN purchase

The method is for requesting bulk allocation of EVD PIN numbers. It simply supplies the requested quantity of a single BrandID and values.

## Method

**POST**   /agents/bulk-evd

## Method Body

The method body to be sent as body parameters, for example ‘{"BrandID": 1, “Denomination”: 0.1, "Quantity”:7000}'

|  |  |
| --- | --- |
| Field | Value |
| BrandID | The PIN Brand ID chosen from the list of existing stock of EVD PINs |
| Denomination | Single Value of an EVD PIN requested in decimal, |
| Quantity | Integer Quantity requested |

## Return Object

|  |  |
| --- | --- |
| Field | Proposed |
| ReplyCode | 2 for Success or for failures will now be the error code |
| ReplyMsg | Message string with a descriptive result |
| WalletBalance | Agent Account Balance |
| Amount | Total Value of EVD PINs purchased |
| Discount | Decimal value representing the percentage discount. |
| AgentReference | The STRING x-agent-reference used to make the request |
| RechargeID | Integer from HOT Recharge |
| Collection of PINs | A collection of PIN objects with fields:  PIN, SerialNumber, BrandID, Denomination, Expiry. |

# Recharge EVD PIN

The method is for recharging customer EVD PIN. It is similar to the bulk EVD request method but the Pins are also sent to the target number provided.

## Method

**POST**   /agents/recharge-evd

## Method Body

The method body to be sent as body parameters, for example ‘{"BrandID": 1, “Denomination”: 0.1, "Quantity”:7000}'

|  |  |
| --- | --- |
| Field | Value |
| BrandID | The PIN Brand ID chosen from the list of existing stock of EVD PINs |
| Denomination | Single Value of an EVD PIN requested in decimal, |
| Quantity | Integer Quantity requested – Limited to 5 for this method |
| TargetNumber | Mobile Number of the Customer to be sent EVD PINs |

## Return Object

|  |  |
| --- | --- |
| Field | Proposed |
| ReplyCode | 2 for Success or for failures will now be the error code |
| ReplyMsg | Message string with a descriptive result |
| WalletBalance | Agent Account Balance |
| Amount | Total Value of EVD PINs purchased |
| Discount | Decimal value representing the percentage discount. |
| AgentReference | The STRING x-agent-reference used to make the request |
| RechargeID | Integer from HOT Recharge |
| Collection of PINs | A collection of PIN objects with fields:  PIN, SerialNumber, BrandID, Denomination, Expiry. |

# Check ZESA Wallet Balance

## Method

**GET** /agents/wallet-balance-zesa

## Response

|  |  |
| --- | --- |
| Field | Value |
| ReplyCode | 2 for Success or for failures is the error code |
| ReplyMsg | Message string with a descriptive result |
| WalletBalance | Agent Account Balance as currently |
| AgentReference | The STRING x-agent-reference used to make the request |

# ZESA Check Customer Details

## Method

**POST** /agents/check-customer-zesa

## POST Body

|  |  |
| --- | --- |
| Field | Value |
| MeterNumber | ZESA Meter Number – 11 Numbers |

## Return Object

|  |  |
| --- | --- |
| Field | Description |
| ReplyCode | 2 for Success or for failures will now be the error code |
| ReplyMsg | Message string with a descriptive result |
| MeterNumber | ZESA Meter Number – 11 Numbers |
| AgentReference | The STRING x-agent-reference used to make the request |
| Customer Info | Customer Info Object |

### Customer Info Object

|  |  |
| --- | --- |
| Field | Description |
| CustomerName | Customer Name for meter, ZESA also puts the address here |
| Address | Address is usually in the second line of Customer Name |

# ZESA Recharge

## Requirements

This Method is for Purchasing ZESA Tokens

* It is a ZESA requirement that any purchase must be verified. As such please ensure that you use the check customer details method and prompt the customer to confirm the details before calling this method.
* There is a new transaction state specifically for ZESA that is Pending verification indicated by reply code 4. Transactions in this state can result in successful transactions after a period of time once ZESA complete transaction. API Users must call Query ZESA method periodically until a permanent resolution of the transaction occurs. This polling of a pending transaction should not exceed more that 4 request a minute. Resending of transactions that have not yet failed can result in the duplication of transaction and lose of funds.

Please note ZESA does not allow refunds so the cost of any errors cannot be recovered.

## Method

**POST** /agents/recharge-zesa

## Method Body

The method body to be sent as body parameters, for example ‘{“meterNumber”: “MeterNumber”, “targetMobile” : “MobileNumber”,”amount”:Amount}'

|  |  |
| --- | --- |
| Field | Value |
| MeterNumber | Client ZESA Meter Number |
| Amount | Amount to Top up meter |
| TargetMobile | Phone Number to send token and notify of top up in current national format (077xxxxxxx) |
| CustomerSMS | Optional – see below |

## Customisation of SMS sent to End User

Please note that the token will be sent to the end user in a separate SMS that complies with the ZESA Token standard. This field is just to customise the notification message sent to the customer.

|  |  |  |
| --- | --- | --- |
| Item | Description |  |
| CustomerSMS | A String with variables as below, which will be replaced by the service upon successful recharge and sent to the end-user customer. A maximum length of 135 Characters is available, including spaces and returns after replacing the variables. |  |
| Allowed Variables in Custom Response Message | Format | Number of Characters |
| %AMOUNT% | $XXX.XX | 7 |
| %COMPANYNAME% | As Defined by Customer on the website www.hot.co.zw | |
| %KWH% | Unit in Kilowatt Hours(Kwh) | |
| %ACOUNTNAME% | Account Holder Name of Meter Number | |
| %METERNUMBER% | Meter Number | |

## Response

|  |  |
| --- | --- |
| Field | Value |
| ReplyCode | 2 for Success, 4 for Pending transactions and for failures is the error code |
| ReplyMsg | Message string with a descriptive result |
| WalletBalance | Agent Account Balance |
| Amount | Top Up Value |
| Discount | Decimal value representing the percentage discount. |
| Meter | Meter Number in Request |
| AccountName | Account Holder Name of Meter |
| Address | Address of Account holder of Meter |
| Tokens | ZESA Top Up Token Items |
| AgentReference | The STRING x-agent-reference used to make the request |
| RechargeID | Transaction Identification from HOT Recharge. Please take note of this for querying system in case of pending transaction |

### Token Item

|  |  |
| --- | --- |
| Field | Description |
| Token | The ZESA Token to put I the meter |
| Units | The number of units that the token is valued for in Kwh |
| NetAmount | The Amount used to buy units after deductions have been removed |
| Levy | Value of Rural Levy deduct from transaction |
| Arrears | Value of Debt deduct from transaction |
| TaxAmount | Value of Taxes deduct from transaction |
| ZesaRefence | ZESA Reference for the token |

# Query ZESA Recharge

## Method

**POST** /agents/query-zesa-transaction

## Method Body

The method body to be sent as body parameters, for example ‘{“RechargeId”: “RechargeId”}'

|  |  |
| --- | --- |
| Field | Value |
| RechargeId | The Identification for the transaction |

## Response

The response model for this method is the same as ZESA Recharge Response. The only difference is that it will have the current status of the transaction.

# Reply Codes and Error Messages

| http Status code | Reply Code | ReplyMsg | Description and Notes |
| --- | --- | --- | --- |
| 200 | 2 | Your HOT Balance is $ #,###.##. You can sell approximately $ #,###.##\r\nHOT Recharge is celebrating 11 years serving you. | Successful Wallet Balance |
| 429 | N/A | x-agent-reference header can only be used once. Please provide a new one for each request. | Failed Duplicate x-agent-reference |
| 401 | N/A | Invalid x-access-code or x-access-password invalid. | Failed Invalid Login password or AccessCode |
| 200 | 2 | 402,The Airtime Balance of 07xxxxxxx is ##.## expiring on ##/##/2017. | Successful End User Balance. a negative end user balance can indicate an Econet contract line |
| 400 | 217 | The number 07xxxxxxx you tried to recharge is wrong, please check and try again HOT Recharge - Serving you 11 years already | Failed Web Phone Balance |
| 200 | 2 | Recharge to %MOBILE% of $%AMOUNT% was successful. The initial balance was $%INITIALBALANCE%  final balance is $%FINALBALANCE% | Successful Recharge |
| 400 | 210 | Unable to process: %MESSAGE% on the Prepaid platform. Please try again later. HOT Recharge - Serving you 11 years already | Failed Recharge Network Prepaid Platform |
| 400 | 217 | The number %MOBILE% you tried to recharge is wrong, please check and try again HOT Recharge - Serving you 11 years already | Failed invalid end user network / end user mobile number |
| 400 | 222 | Your recharge request was too much or too little. Minimum Recharge %MIN% Maximum Recharge %MAX%, try in the correct range. HOT Recharge | Failed Recharge Amount Limits |
| 400 | 208 | Your recharge for mobile %MOBILE% failed due to insufficient balance. Your balance is US$ %BALANCE%. You can sell approximately US$ %SALEVALUE%. HOT Recharge. | Failed Insufficient Wallet Balance |
| 400 | 206 | We are unable to process because the Recharge platform is down. Sorry, HOT Recharge. Your SMS: %MESSAGE% | Failed Recharge VAS Disabled |
| 400 | 209 | We have received your recharge request but do not have correct stock to process it. Please wait while we send you our current stock listing.HOT Recharge | Failed Pin Denomination |
| 400 | 219 | Web Service Exception: %MESSAGE% | FailedWebException |
| 401 | 220 | Login details failed, Please check your accesscode and password. | Failed Web Login |
| 200 | 221 | Balance Request not available for %MOBILE% | Failed Balance Request. Possible cause: contract line or invalid number |
| 400 | 221 | Balance Request not available for %MOBILE% | Failed Balance Request. Possible cause: invalid number detected before sending to network, check numerical only or format |
| 400 | 216 | We have already received this request from you...please wait while we process it. Thank you, HOT Recharge : %MESSAGE% | Failed Duplicate |
| 400 | 217 | The number %MOBILE% you tried to recharge is wrong, please check and try again HOT Recharge - Serving you 11 years already | Failed Recharge - Invalid Mobile |
| 400 | 218 | You gave an invalid access PIN for transfer of %AMOUNT% to %MOBILE%. HOT Recharge - Serving you 11 years already | Failed Transfer - Access Code |
| 400 | 222 | Your recharge request was too much or too little. Minimum Recharge %MIN% Maximum Recharge %MAX%, try in the correct range. HOT Recharge | Failed Web Recharge Min/Max |
| 400 | 301 | Registration Successful. Your PIN CODE is %PASSWORD%. Remember your code and delete this message.Further instructions will be sent to you shortly. HOT Recharge | Successful Registration |
| 400 | 302 | Your HOT Balance is $ %BALANCE%. You can sell approximately $ %SALEVALUE%. HOT Recharge is celebrating 11 years serving you. | Successful Balance |
| 400 | 303 | Success %MOBILE% Recharged with $%AMOUNT% Commission %DISCOUNT%%Cost $%COST%Balance: $%BALANCE%Sale Value $%SALEVALUE%Thank you for choosing HOT Recharge | Successful Recharge - Dealer - Header |
| 400 | 304 | You purchased $%AMOUNT% Airtime.PINs will be sent to you shortly.Use these PINs the same as a Scratch card. Thank you for choosing HOT Recharge. | Successful Recharge Pin - Customer - Header |
| 400 | 305 | Pin %PIN%PinReference %REF%Value $%PINVALUE%Customer %MOBILE%Brand: %BRAND% | Successful Recharge Pin - Dealer |
| 400 | 306 | %PIN% | Successful Recharge Pin - Customer |
| 400 | 307 | HOT Recharge topped up your account with $%AMOUNT%.Your new balance is $%BALANCE%.HOT Recharge - 12 years the BEST service | Successful Recharge VAS - Customer |
| 400 | 308 | %REF%.Your new balance is $%BALANCE%. You can sell $%SALEVALUE%. | Successful Transfer - Receiver |
| 400 | 309 | Transfer of $%AMOUNT% to %MOBILE% succeeded. Your new balance $%BALANCE% Thank you for choosing HOT Recharge | Successful Transfer - Sender |
| 400 | 310 | We have reversed your transaction for mobile %MOBILE% with $%AMOUNT%. Balance: $%BALANCE%. Sale Value $%SALEVALUE%. Thank you for choosing HOT Recharge | Successful Reversal Dealer |
| 400 | 311 | The Recharge done in ERROR has been reversed: $%AMOUNT% debited, your new balance is $%BALANCE%. Thank you for choosing HOT Recharge | Successful Reversal Customer |
| 400 | 312 | HOT Recharge has received your recharge request. Please wait while it is being processed on the Network platform.%MESSAGE% | Success Recharge Received |
| 400 | 402 | The Airtime Balance of %MOBILE% is %BALANCE% expiring on %EXPIRYDATE%. | SuccessfulWebPhoneBalance |
| 400 | 404 | You purchased $%AMOUNT% Airtime. PINs will be sent to you shortly.Use these PINs the same as a Scratch card. Thank you for using %COMPANY% powered by HOT Recharge | Successful Web Pin - Customer Header |
| 400 | 407 | %COMPANY% topped up your Airtime with $%AMOUNT%. Your new balance is $%BALANCE%. HOT Recharge - 12 years the BEST service | Successful Web VAS - Customer |
| 400 | 408 | %COMPANY% topped up your account with a %BUNDLE% bundle. | Successful Web Data - Customer |
| 400 | 500 | Credited %MOBILE%, with %AMOUNT%, Source: %SOURCE%, Type: %TYPE%, Ref:% | Payment Successful |
| 400 | 501 | Payment Message failed | Payment Failed |
| 400 | 700 | %NETWORK% recharge platform webservice timed out. | Network Timeout |
| 400 | 701 | %NETWORK% recharge platform connection issue. | Network Connection Issue |
| 400 | 702 | %NETWORK% recharge platform webservice unavailable. | Network Webservice Unavailable |
| 400 | 703 | %NETWORK% recharge platform webservice Internal Error | Network Webservice Error |
| 400 | 704 | %NETWORK% general platform webservice error. | Network General Error |
| 400 | 800 | Failed attempting to locate the raw request log for AgentReference: %Agentreference% x-access-code: %Access code% | The queried transaction cannot be found. |
|  |  | **Generic Web responses** |  |
| 1xx |  | Informational |  |
| 100 |  | Continue |  |
| 101 |  | Switching Protocols |  |
| 2xx |  | Successful |  |
| 200 |  | OK |  |
| 201 |  | Created |  |
| 202 |  | Accepted |  |
| 203 |  | Non-Authoritative Information |  |
| 204 |  | No Content |  |
| 205 |  | Reset Content |  |
| 206 |  | Partial Content |  |
| 3xx |  | Redirection |  |
| 300 |  | Multiple Choices |  |
| 301 |  | Moved Permanently |  |
| 302 |  | Found |  |
| 303 |  | See Other |  |
| 304 |  | Not Modified |  |
| 305 |  | Use Proxy |  |
| 306 |  | (Unused) |  |
| 307 |  | Temporary Redirect |  |
| 4xx |  | Client Error |  |
| 400 |  | Bad Request |  |
| 401 |  | Unauthorized |  |
| 402 |  | Payment Required |  |
| 403 |  | Forbidden |  |
| 404 |  | Not Found |  |
| 405 |  | Method Not Allowed |  |
| 406 |  | Not Acceptable |  |
| 407 |  | Proxy Authentication Required |  |
| 408 |  | Request Timeout |  |
| 409 |  | Conflict |  |
| 410 |  | Gone |  |
| 411 |  | Length Required |  |
| 412 |  | Precondition Failed |  |
| 413 |  | Request Entity Too Large |  |
| 414 |  | Request-URI Too Long |  |
| 415 |  | Unsupported Media Type |  |
| 416 |  | Requested Range Not Satisfiable |  |
| 417 |  | Expectation Failed |  |
| 5xx |  | Server Error |  |
| 500 |  | Internal Server Error |  |
| 501 |  | Not Implemented |  |
| 502 |  | Bad Gateway |  |
| 503 |  | Service Unavailable |  |
| 504 |  | Gateway Timeout |  |
| 505 |  | HTTP Version Not Supported |  |

# Testing scripts

Here follow several sample testing scripts that should assist in developing the service and viewing the responses from the web service:

$agentReference = Get-Random

write-host -ForegroundColor Cyan "\*\*\* WALLET BALANCE \*\*\*"

$headers = @{}

$headers["x-access-code"] = "AccessCode"

$headers["x-access-password"] = "Password"

$headers["x-agent-reference"] = $agentReference

try {Invoke-WebRequest -Uri "https://ssl.hot.co.zw/api/v1/agents/wallet-balance" -ContentType "application/json" -Headers $headers -Method Get | Format-List -Property StatusCode,StatusDescription,Content}

catch {Write-Host -ForegroundColor:Red "StatusCode:" $\_.Exception.Response.StatusCode.value\_\_ " StatusDescription:" $\_.Exception.message

Write-Host -ForegroundColor:Red $\_}

write-host -ForegroundColor Cyan "\*\*\* WALLET BALANCE - Duplicate x-agent-reference \*\*\*"

$headers = @{}

$headers["x-access-code"] = "AccessCode"

$headers["x-access-password"] = "Password"

$headers["x-agent-reference"] = $agentReference

try {Invoke-WebRequest -Uri "https://ssl.hot.co.zw/api/v1/agents/wallet-balance" -ContentType "application/json" -Headers $headers -Method Get | Format-List -Property StatusCode,StatusDescription,Content}

catch {Write-Host -ForegroundColor:Red "StatusCode:" $\_.Exception.Response.StatusCode.value\_\_ " StatusDescription:" $\_.Exception.message

Write-Host -ForegroundColor:Red $\_}

$agentReference = Get-Random

write-host -ForegroundColor Cyan "\*\*\* WALLET BALANCE - Invalid Login password \*\*\*"

$headers = @{}

$headers["x-access-code"] = "AccessCode"

$headers["x-access-password"] = "PasswordFalse"

$headers["x-agent-reference"] = $agentReference

try {Invoke-WebRequest -Uri "https://ssl.hot.co.zw/api/v1/agents/wallet-balance" -ContentType "application/json" -Headers $headers -Method Get | Format-List -Property StatusCode,StatusDescription,Content}

catch {Write-Host -ForegroundColor:Red "StatusCode:" $\_.Exception.Response.StatusCode.value\_\_ " StatusDescription:" $\_.Exception.message

Write-Host -ForegroundColor:Red $\_}

$agentReference = Get-Random

write-host -ForegroundColor Cyan "\*\*\* WALLET BALANCE - Invalid Access-Code \*\*\*"

$headers = @{}

$headers["x-access-code"] = "AccessCodeFalse"

$headers["x-access-password"] = "Password"

$headers["x-agent-reference"] = $agentReference

try {Invoke-WebRequest -Uri "https://ssl.hot.co.zw/api/v1/agents/wallet-balance" -ContentType "application/json" -Headers $headers -Method Get | Format-List -Property StatusCode,StatusDescription,Content}

catch {Write-Host -ForegroundColor:Red "StatusCode:" $\_.Exception.Response.StatusCode.value\_\_ " StatusDescription:" $\_.Exception.message

Write-Host -ForegroundColor:Red $\_}

$agentReference4 = Get-Random

write-host -ForegroundColor Cyan "\*\*\* END USER BALANCE \*\*\*"

$headers = @{}

$headers["x-access-code"] = "AccessCode"

$headers["x-access-password"] = "Password"

$headers["x-agent-reference"] = $agentReference4

try {Invoke-WebRequest -Uri "https://ssl.hot.co.zw/api/v1/agents/enduser-balance?targetmobile=MobileNumber" -ContentType "application/json" -Headers $headers -Method Get | Format-List -Property StatusCode,StatusDescription, Content}

catch {Write-Host -ForegroundColor:Red "StatusCode:" $\_.Exception.Response.StatusCode.value\_\_ " StatusDescription:" $\_.Exception.message

Write-Host -ForegroundColor:Red $\_}

$agentReference4 = Get-Random

write-host -ForegroundColor Cyan "\*\*\* END USER BALANCE - invalid end user Mobile Number \*\*\*"

$headers = @{}

$headers["x-access-code"] = "AccessCode"

$headers["x-access-password"] = "Password"

$headers["x-agent-reference"] = $agentReference4

try{Invoke-WebRequest -Uri "https://ssl.hot.co.zw/api/v1/agents/enduser-balance?targetmobile=MobileNumberX" -ContentType "application/json" -Headers $headers -Method Get | Format-List -Property StatusCode,StatusDescription, Content}

catch {Write-Host -ForegroundColor:Red "StatusCode:" $\_.Exception.Response.StatusCode.value\_\_ " StatusDescription:" $\_.Exception.message

Write-Host -ForegroundColor:Red $\_}

$agentReference2 = Get-Random

write-host -ForegroundColor Cyan "\*\*\* RECHARGE \*\*\*"

$headers = @{}

$headers["x-access-code"] = "AccessCode"

$headers["x-access-password"] = "Password"

$headers["x-agent-reference"] = $agentReference2

$body = '{"amount": 0.1, "targetMobile" : "MobileNumber"}'

try{Invoke-WebRequest -Uri "https://ssl.hot.co.zw/api/v1/agents/recharge-pinless" -Body $body -ContentType "application/json" -Headers $headers -Method Post | Format-List -Property StatusCode,StatusDescription, Content}

catch {Write-Host -ForegroundColor:Red "StatusCode:" $\_.Exception.Response.StatusCode.value\_\_ " StatusDescription:" $\_.Exception.message

Write-Host -ForegroundColor:Red $\_}

$agentReference2 = Get-Random

write-host -ForegroundColor Cyan "\*\*\* RECHARGE - invalid end user network \*\*\*"

$headers = @{}

$headers["x-access-code"] = "AccessCode"

$headers["x-access-password"] = "Password"

$headers["x-agent-reference"] = $agentReference2

$body = '{"amount": 0.1, "targetMobile" : "075MobileNumber"}'

try{Invoke-WebRequest -Uri "https://ssl.hot.co.zw/api/v1/agents/recharge-pinless" -Body $body -ContentType "application/json" -Headers $headers -Method Post | Format-List -Property StatusCode,StatusDescription, Content}

catch {Write-Host -ForegroundColor:Red "StatusCode:" $\_.Exception.Response.StatusCode.value\_\_ " StatusDescription:" $\_.Exception.message

Write-Host -ForegroundColor:Red $\_}

$agentReference2 = Get-Random

write-host -ForegroundColor Cyan "\*\*\* RECHARGE - invalid end user Mobile Number \*\*\*"

$headers = @{}

$headers["x-access-code"] = "AccessCode"

$headers["x-access-password"] = "Password"

$headers["x-agent-reference"] = $agentReference2

$body = '{"amount": 0.1, "targetMobile" : "MobileNumberx"}'

try {Invoke-WebRequest -Uri "https://ssl.hot.co.zw/api/v1/agents/recharge-pinless" -Body $body -ContentType "application/json" -Headers $headers -Method Post | Format-List -Property StatusCode,StatusDescription, Content}

catch {Write-Host -ForegroundColor:Red "StatusCode:" $\_.Exception.Response.StatusCode.value\_\_ " StatusDescription:" $\_.Exception.message

Write-Host -ForegroundColor:Red $\_}

$agentReference2 = Get-Random

write-host -ForegroundColor Cyan "\*\*\* RECHARGE - Min/Max value \*\*\*"

$headers = @{}

$headers["x-access-code"] = "AccessCode"

$headers["x-access-password"] = "Password"

$headers["x-agent-reference"] = $agentReference2

$body = '{"amount": 0.09, "targetMobile" : "MobileNumber"}'

try{Invoke-WebRequest -Uri "https://ssl.hot.co.zw/api/v1/agents/recharge-pinless" -Body $body -ContentType "application/json" -Headers $headers -Method Post | Format-List -Property StatusCode,StatusDescription, Content}

catch {Write-Host -ForegroundColor:Red "StatusCode:" $\_.Exception.Response.StatusCode.value\_\_ " StatusDescription:" $\_.Exception.message

Write-Host -ForegroundColor:Red $\_}

$agentReference2 = Get-Random

write-host -ForegroundColor Cyan "\*\*\* RECHARGE with Custom Message\*\*\*"

$headers = @{}

$headers["x-access-code"] = "AccessCode"

$headers["x-access-password"] = "Password"

$headers["x-agent-reference"] = $agentReference2

$body = '{"amount": 0.1, "targetMobile" : "MobileNumber", "CustomerSMS": "Custom SMS from %COMPANYNAME% for a Recharge of

%AMOUNT%

Initial balance $%INITIALBALANCE%

Final Balance $%FINALBALANCE%

The best %COMPANYNAME%

"}'

try{Invoke-WebRequest -Uri "https://ssl.hot.co.zw/api/v1/agents/recharge-pinless" -Body $body -ContentType "application/json" -Headers $headers -Method Post | Format-List -Property StatusCode,StatusDescription, Content}

catch {Write-Host -ForegroundColor:Red "StatusCode:" $\_.Exception.Response.StatusCode.value\_\_ " StatusDescription:" $\_.Exception.message

Write-Host -ForegroundColor:Red $\_}

$agentReference2 = Get-Random

write-host -ForegroundColor Cyan "\*\*\* RECHARGE Agent Dealer insufficient funds\*\*\*"

$headers = @{}

$headers["x-access-code"] = "AccessCode"

$headers["x-access-password"] = "Password"

$headers["x-agent-reference"] = $agentReference2

$body = '{"amount": 50, "targetMobile" : "MobileNumber"}'

try{Invoke-WebRequest -Uri "https://ssl.hot.co.zw/api/v1/agents/recharge-pinless" -Body $body -ContentType "application/json" -Headers $headers -Method Post | Format-List -Property StatusCode,StatusDescription, Content}

catch {Write-Host -ForegroundColor:Red "StatusCode:" $\_.Exception.Response.StatusCode.value\_\_ " StatusDescription:" $\_.Exception.message

Write-Host -ForegroundColor:Red $\_}

$agentReference3 = Get-Random

write-host -ForegroundColor Cyan "\*\*\* QUERY TRANSACTION Agent Reference unknown \*\*\*"

$headers = @{}

$headers["x-access-code"] = "AccessCode"

$headers["x-access-password"] = "Password"

$headers["x-agent-reference"] = $agentReference3

try{Invoke-WebRequest -Uri "https://ssl.hot.co.zw/api/v1/agents/query-transaction?AgentReference=$($agentReference2)" -ContentType "application/json" -Headers $headers -Method Get | Format-List -Property StatusCode,StatusDescription, Content}

catch {Write-Host -ForegroundColor:Red "StatusCode:" $\_.Exception.Response.StatusCode.value\_\_ " StatusDescription:" $\_.Exception.message

Write-Host -ForegroundColor:Red $\_}

$agentReference3 = Get-Random

write-host -ForegroundColor Cyan "\*\*\* QUERY TRANSACTION Agent Reference can be found \*\*\*"

$headers = @{}

$headers["x-access-code"] = "AccessCode"

$headers["x-access-password"] = "Password"

$headers["x-agent-reference"] = $agentReference3

try{Invoke-WebRequest -Uri "https://ssl.hot.co.zw/api/v1/agents/query-transaction?AgentReference=$($agentReference2)" -ContentType "application/json" -Headers $headers -Method Get | Format-List -Property StatusCode,StatusDescription, Content}

catch {Write-Host -ForegroundColor:Red "StatusCode:" $\_.Exception.Response.StatusCode.value\_\_ " StatusDescription:" $\_.Exception.message

Write-Host -ForegroundColor:Red $\_}

$agentReference2 = Get-Random

write-host -ForegroundColor Cyan "\*\*\* DATA BUNDLE RECHARGE \*\*\*"

$headers = @{}

$headers["x-access-code"] = "AccessCode"

$headers["x-access-password"] = "Password"

$headers["x-agent-reference"] = $agentReference2

$body = '{"productcode": “ProductCode”, "targetMobile" : "MobileNumber"}'

try{Invoke-WebRequest -Uri "https://ssl.hot.co.zw/api/v1/agents/recharge-data" -Body $body -ContentType "application/json" -Headers $headers -Method Post | Format-List -Property StatusCode,StatusDescription, Content}

catch {Write-Host -ForegroundColor:Red "StatusCode:" $\_.Exception.Response.StatusCode.value\_\_ " StatusDescription:" $\_.Exception.message

Write-Host -ForegroundColor:Red $\_}

$agentReference = Get-Random

write-host -ForegroundColor Cyan "\*\*\* GETDATA BUNDLES \*\*\*"

$headers = @{}

$headers["x-access-code"] = "AccessCode"

$headers["x-access-password"] = "Password"

$headers["x-agent-reference"] = $agentReference

try {Invoke-WebRequest -Uri "https://ssl.hot.co.zw/api/v1/agents/get-data-bundles" -ContentType "application/json" -Headers $headers -Method Get | Format-List -Property StatusCode,StatusDescription,Content}

catch {Write-Host -ForegroundColor:Red "StatusCode:" $\_.Exception.Response.StatusCode.value\_\_ " StatusDescription:" $\_.Exception.message

Write-Host -ForegroundColor:Red $\_}

$agentReference4 = Get-Random

write-host -ForegroundColor Cyan "\*\*\* Query EVD Stock \*\*\*"

$headers = @{}

$headers["x-access-code"] = "AccessCode"

$headers["x-access-password"] = "Password"

$headers["x-agent-reference"] = $agentReference4

try{Invoke-WebRequest -Uri "<https://ssl.hot.co.zw/api/v1/agents/query-evd>" -UseBasicParsing -ContentType "application/json" -Headers $headers -Method Get | Format-List -Property StatusCode,StatusDescription, Content}

catch {Write-Host -ForegroundColor:Red "StatusCode:" $\_.Exception.Response.StatusCode.value\_\_ " StatusDescription:" $\_.Exception.message

Write-Host -ForegroundColor:Red $\_}

$agentReference5 = Get-Random

write-host -ForegroundColor Cyan "\*\*\* Bulk Purchase EVD \*\*\*"

$headers = @{}

$headers["x-access-code"] = "AccessCode"

$headers["x-access-password"] = "Password"

$headers["x-agent-reference"] = $agentReference5

$body = '{"BrandID": 24, “Denomination”: 2, "Quantity”:100}'

try{Invoke-WebRequest -Uri "<https://ssl.hot.co.zw/api/v1/agents/bulk-evd>" -Body $body -UseBasicParsing -ContentType "application/json" -Headers $headers -Method Post | Format-List -Property StatusCode,StatusDescription, Content}

catch {Write-Host -ForegroundColor:Red "StatusCode:" $\_.Exception.Response.StatusCode.value\_\_ " StatusDescription:" $\_.Exception.message

Write-Host -ForegroundColor:Red $\_}

# --- End of Document ---