Talk Home API

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Revision Sheet

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Rev. 1.6			
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Rev. 1.8			
Rev. 1.9			
Rev. 1.10			

Nowtel Web API Document

Authorization Memorandum

This document has been completed in accordance with the requirements of the NOWTEL System Development Methodology.

MANAGEMENT CERTIFICATION - Please check the appropriate statement.

_____ The document is accepted.

_____ The document is accepted pending the changes noted.

_____ The document is not accepted.

We fully accept the changes as needed improvements and authorize initiation of work to proceed. Based on our authority and judgment, the continued operation of this system is authorized.

_____ _____

NAME DATE

Technical Operations Manager

TABLE OF CONTENTS

Page

1.0 GENERAL INFORMATION 6

1.1 Introduction 6

1.2 Acronyms and Abbreviations 6

2.0 API SCOPE 6

3.0 API TYPE 6

3.1 Supported Code 7

4.0 MAKING REQUESTS 7

4.1 Authentication 7

4.2 Https 7

5.0 STATUS CODES 7

5.1 Common Status Codes 7

5.2 Unsuccessful Requests 8

6.0 RESOURCES 8

6.1 Authentication Resources 8

6.1.1 Sign Up 8

6.1.2 Login 10

6.1.3 Reset Password 11

6.1.3.1 Step - 1 11

6.1.3.2 Step - 2 11

6.1.3.3 Final Step 12

6.2 Product Resources **13**

6.2.1 Add Product 13

6.2.2 Remove Product 14

6.2.3 Register Product 15

6.2.4 User Product Summary 16

6.3 Account Resources **17**

6.3.1 User Account Summary 17

6.3.2 Update User Address 18

6.4 History Resources **19**

6.4.1 Call History 19

6.4.1.1 Call History Total Pages 19

6.4.1.2 Call History Summary 20

6.4.2 SMS History 21

6.4.2.1 SMS History Total Pages 21

6.4.2.2 SMS History Summary 22

6.4.3 Data History 23

6.4.3.1 Data History Total Pages 23

6.4.3.2 Data History Summary 24

6.4.4 Payment History 25

6.4.4.1 Payment History Total Pages 25

6.4.4.2 Payment History Summary 26

6.5 Rates Resources **27**

6.5.1 THM Standard International List (All/Top) 27

6.5.2 THA Standard International List 28

6.5.2.1 THA International Countries 28

6.5.2.2 THA International (All/Top) 29

6.5.3 Standard International Destinations 30

6.5.4 Standard International Rates by Destination Id 31

6.5.5 UK Save Plan Destinations 32

6.5.6 UK Save Plan Rates by Destination Id 33

6.5.7 UK Save Plan Top Rates 33

6.5.8 UK Rates 34

6.5.9 Top Minutes 35

6.5.10 One Code Destinations 35

6.5.11 One Code Rates by Destination Id 36

6.5.12 Roaming Destinations 37

6.5.13 Roaming Rates by Destination Id 37

6.6 Sim Resources **38**
6.6.1 Order Sim 38
6.7 Bundle Resources **39**
6.7.1 Compatible Bundle 39
6.7.2 Add Bundle 40
6.7.3 User Account Bundles 41
6.7.4 Top Bundles 42
7.0 LIST OF RESOURCES **43**
7.0.1 Reference of Wireframe 43

- **GENERAL INFORMATION**

This guide has been created to support the developers who'll be consuming the Talk Home API. Its aim is to provide information regarding the type of API, authentication and the available capabilities through the API.

1.1 Introduction

Talk Home API is a middleware API that has been created to support the creation and development of the redesign of the Talk Home website. The website provides the following high-level services to its users, get a free SIM, credit top ups, UK & International plans purchase and customer usage history.

1.2 Acronyms and Abbreviations

API	Application Programming Interface
SIM	Subscriber Identity Module
THM	Talk Home Mobile
THA	Talk Home App
THCC	Talk Home Calling Card
SMS	Short Message Service
GPRS	General Packet Radio Service
MSISDN	Mobile Subscriber Integrated Services Digital Network
MSG	Message
POCs	Points of Organizational Contacts

- **API SCOPE**

The current scope of the Web API is to provide the ability to develop the website for Talk Home, which includes the following products: THM, THA and THCC.

- **API TYPE**

The API uses the following guidelines shown below:

- Use of URI's to uniquely identify resources (i.e. objects/data records).
- Use of the following HTTP methods: GET & POST in order to manipulate the resources on the server.
    - GET methods are used for retrieving resources, this will not alter the data in any way.
    - POST methods are used for creating/changing the resources.

3.1 Supported Code

The Talk Home API supports JSON only for both requests and responses. Below is an example of a subscriber address details object encoded as JSON.

```
{
  "address1": "50 Shad Thames",
  "address2": "Floor 1",
  "address3": "London",
  "address4": "London"
}
```

4.0 MAKING REQUESTS

4.1 Authentication

Depending on the type of call to the API, either basic authentication or token with an expiry time is required. The token will be provided upon user login (refer to sign-up and login end points on pages 9 & 10).

4.2 Https

Unencrypted requests will be rejected by the API.

5.0 STATUS CODES

The API will use the standard HTTP response status codes. By default, successful requests will return a resource object(s) in the response body.

5.1 Common Status Codes

HTTP CODE	MESSAGE	DESCRIPTION
200	Ok	The request succeeded.
400	Bad Request	The request could not be understood due to invalid request.
401	Unauthorized	Either the API authentication credentials haven't been supplied or they're not valid.
404	Not Found	The server has not found anything matching the Request-URI.
405	Method Not Allowed	A request method is not supported for the requested resource; for example, a GET request on a form which requires data to be presented via POST.
500	Internal Server Error	An exception was raised internally and the request could not be processed.

5.2 Unsuccessful Requests

For unsuccessful requests the response body will contain an array of Error objects.

Elements of the Error Object:

Name	Data Type	Required Field	Description
status	String	Yes	Http Status code.
message	String	Yes	Details of the Problem.

errorCode	String	Yes	The error code.

6.0 RESOURCES

6.1 Authentication Resources

6.1.1 Sign Up

The rest API for signup should be called in the following way.

The Authorization header should be formed based on the given username & password. Sample header, body and response are below.

Wireframe Reference

Please refer: Talk Home register 8 (Desktop) and Talk Home register 9 adding another product (Desktop).pdf

Swagger Reference

Please click here for HYPERLINK "http://lab.talkhome.co.uk/swagger/ui/index.html"Sign Up

HYPERLINK "http://lab.talkhome.co.uk/swagger/ui/index.html" reference

Supported HTTP Methods and URI

```
POST https://lab.talkhome.co.uk/talkhome/useraccount/signup
```

Header

```
User-Agent: Fiddler
Authorization: Basic YmV0YXRlc3Q6ajZ2YlY3RWNueEN3aGV5TQ==
Content-Type: application/json; charset=utf-8
Host: lab.talkhome.co.uk
```

Body

```
{
  "Email": "beta3.testing@gmail.com",
  "Password": "password",
  "Title": "MR",
  "FirstName": "Beta1",
  "LastName": "Testing",
  "DateOfBirth": "",
  "ContactNo": "",
  "MobileNo": "",
  "IsSubscribedToNewsletter": false,
  "HomeAddress": {
     "AddressL1": "",
     "Country": "",
     "City": "",
     "PostCode": "",
     "AddressL2": "",
     "County": ""
   },
  "ShippingAddress": {
```

```
      "AddressL1": "",
      "Country": "",
      "City": "",
      "PostCode": "",
      "AddressL2": "",
      "County": ""
    },
  "BillingAddress": {
      "AddressL1": "",
      "Country": "",
      "City": "",
      "PostCode": "",
      "AddressL2": "",
      "County": ""
    }
}
```

Response

```
{
  "status": 200,
  "message": "Success",
  "errorCode": 0
}
```

The Authorization header should be dynamically formed with the provided username/password. The following explains the Authorization header formation.

```
Authorization: Basic basic-credentials
basic-credentials = base64-user-pass
base64-user-pass = base64 encoding of user-pass
user-pass = userid ":" password
userid = will be given
password = will be given
```

Example if the userid/password pair is test/test the Authorization header should be Authorization: Basic dGVzdDp0ZXN0

6.1.2 Login

The Login API should be called with an authorization header (explained in the Signup API). The sample header, body and response are as below. In the JSON response object, the system will return the token and expiry date. The token returned will be used for the requests against the voucher (during top-up) API and also in the header of the requests that require it.

Wireframe Reference

Please refer: Talk Home login (Desktop).pdf and Talk home login (mobile).pdf

Swagger Reference

Please click here for HYPERLINK "http://lab.talkhome.co.uk/swagger/ui/index.html"Login

HYPERLINK "http://lab.talkhome.co.uk/swagger/ui/index.html"reference

Supported HTTP Methods and URI

POST https://lab.talkhome.co.uk/talkhome/useraccount/login

Header

```
User-Agent: Fiddler
Authorization: Basic YmV0YXRlc3Q6ajZ2YlY3RWNueEN3aGV5TQ==
Content-Type: application/json; charset=utf-8
Host: lab.talkhome.co.uk
```

Body

```
{
  "Email": "beta3.testing@gmail.com",
  "Password": "password",
  "IPAddress": "xxx.xxx.xxx.xxx"
}
```

Response

```
{
  "status": 200,
  "message": "Success",
  "payload": {
      "authentication": {
            "isAuthenticated": true,
            "token": "3CCFDBF4AB764F9D80184AA2DF7C403D",
            "expiryDate": "31/05/2017 13:09:11"
      }
  },
  "errorCode": 0
}
```

6.1.3 Reset Password

6.1.3.1 Step - 1

User submits a request to reset the password

This endpoint will return a reset token that will expire within 2 hours. See the sample header, request JSON and response JSON object.

Wireframe Reference

Please refer: Form notifications.pdf

Swagger Reference

Please click here for HYPERLINK "http://lab.talkhome.co.uk/swagger/ui/index.html"Reset Password Step 1 HYPERLINK "http://lab.talkhome.co.uk/swagger/ui/index.html" HYPERLINK "http://lab.talkhome.co.uk/swagger/ui/index.html"reference

Supported HTTP Methods and URI

```
POST https://lab.talkhome.co.uk/talkhome/useraccount/resetpassword/start
```

Header

```
User-Agent: Fiddler
Authorization: Basic YmV0YXRlc3Q6ajZ2YlY3RWNueEN3aGV5TQ==
Content-Type: application/json; charset=utf-8
Host: lab.talkhome.co.uk
```

Body

```
{
  "Email":"th_now_test@hotmail.com"
}
```

Response

```
{
  "status": 0,
  "message": "Success",
  "payload": {
    "resetPassword": {
      "requestID": "971A501D-04A0-4F6A-AA47-C3C5A26999C7"
    }
  },
  "errorCode": 0
}
```

6.1.3.2 Step - 2

User clicks on the URL received after Step 1 request, if valid:

This endpoint will validate the token from step 1. See the sample header, request and response JSON objects below.

Wireframe Reference

N/A

Swagger Reference

Please click here for HYPERLINK "http://lab.talkhome.co.uk/swagger/ui/index.html"Reset Password Step 2 HYPERLINK "http://lab.talkhome.co.uk/swagger/ui/index.html" HYPERLINK "http://lab.talkhome.co.uk/swagger/ui/index.html"reference

Supported HTTP Methods and URI

```
POST https://lab.talkhome.co.uk/talkhome/useraccount/resetpassword/confirm
```

Header

```
User-Agent: Fiddler
Authorization: Basic YmV0YXRlc3Q6ajZ2YlY3RWNueEN3aGV5TQ==
Content-Type: application/json; charset=utf-8
Host: lab.talkhome.co.uk
```

Body

```
{
  "Token":"971A501D-04A0-4F6A-AA47-C3C5A26999C7"
}
```

Response

```
{
  "status": 0,
  "message": "Success",
  "payload": {
    "passwordResetTokenValidation": {
      "isValid": true
    }
  },
  "errorCode": 0
}
```

6.1.3.3 Final Step

Password is changed:

This endpoint should be called during the password change if the token is still valid (step 2).

See the sample header, request JSON and response JSON object.

Wireframe Reference

N/A

Swagger Reference

Please click here for HYPERLINK "http://lab.talkhome.co.uk/swagger/ui/index.html"Reset Password Final Step HYPERLINK "http://lab.talkhome.co.uk/swagger/ui/index.html" HYPERLINK "http://lab.talkhome.co.uk/swagger/ui/index.html"reference

Supported HTTP Methods and URI

```
POST https://lab.talkhome.co.uk/talkhome/useraccount/resetpassword/change
```

Header

```
User-Agent: Fiddler
Authorization: Basic YmV0YXRlc3Q6ajZ2YlY3RWNueEN3aGV5TQ==
Content-Type: application/json; charset=utf-8
```

```
Host: lab.talkhome.co.uk
```

Body

```
{
    "Email":"th_now_test@hotmail.com",
    "NewPassword": "password123"
}
```

Response

```
{
  "status": 200,
  "message": "Success",
  "payload": {
    "passwordChange": {
      "isChanged": true
    }
  },
  "errorCode": 0
}
```

6.2 Product Resources

6.2.1 Add Product

The product addition endpoint should be called with the Token header. See the sample header, request and response JSON objects. This is applicable for all three products THM, THA and THCC.

Wireframe Reference

Please refer: Talk Home register 8 (Desktop) and Talk Home register 9 adding another product (Desktop).pdf

Swagger Reference

Please click here for HYPERLINK "http://lab.talkhome.co.uk/swagger/ui/index.html"Add Product HYPERLINK "http://lab.talkhome.co.uk/swagger/ui/index.html" HYPERLINK "http://lab.talkhome.co.uk/swagger/ui/index.html"reference

Supported HTTP Methods and URI

```
POST https://lab.talkhome.co.uk/talkhome/product/{productCode}/add
```

Header

```
User-Agent: Fiddler
Token: 3CCFDBF4AB764F9D80184AA2DF7C403D
Content-Type: application/json; charset=utf-8
Host: lab.talkhome.co.uk
```

Body

```
{
```

```
  "number":"8944878255229905286",
  "code":"9332013019"
}
```

Response

```
{
  "status": 200,
  "message": "Success",
  "errorCode": 1
}
```

Attempting to add the same product multiple times will result in a failure. See response below.

Response (re-entry)

```
{
   "status": 200,
   "message": "Product already existed in the system",
   "errorCode": 2
}
```

6.2.2 Remove Product

This endpoint should be called to remove a product (THA, THM or THCC) associated with a user's account. See the sample header, request JSON and response JSON objects. This is applicable for all three products THM, THA and THCC.

Wireframe Reference

N/A

Swagger Reference

Please click here for HYPERLINK "http://lab.talkhome.co.uk/swagger/ui/index.html"Re HYPERLINK "http://lab.talkhome.co.uk/swagger/ui/index.html"move Product HYPERLINK "http://lab.talkhome.co.uk/swagger/ui/index.html" HYPERLINK "http://lab.talkhome.co.uk/swagger/ui/index.html"reference

Supported HTTP Methods and URI

```
POST https://lab.talkhome.co.uk/talkhome/product/{productCode}/remove
```

Header

```
User-Agent: Fiddler
Token: 3CCFDBF4AB764F9D80184AA2DF7C403D
Content-Type: application/json; charset=utf-8
Host: lab.talkhome.co.uk
```

Body

```
{
  " Number": " 447422479132",
}
```

Response

```
{
  "status": 200,
  "message": "",
  "errorCode": 0
}
```

6.2.3 Register Product

See the sample header, request JSON and response JSON object.

Swagger Reference

Please click here for HYPERLINK "http://lab.talkhome.co.uk/swagger/ui/index.html"Register Product HYPERLINK "http://lab.talkhome.co.uk/swagger/ui/index.html" HYPERLINK "http://lab.talkhome.co.uk/swagger/ui/index.html"reference

Supported HTTP Methods and URI

POST https://lab.talkhome.co.uk/talkhome/product/registration

Header

```
Authorization: Basic YmV0YXRlc3Q6ajZ2YlY3RWNueEN3aGV5TQ==
Content-Type: application/json; charset=utf-8
Host: lab.talkhome.co.uk
```

Body

```
{
  "Product":{
            "Number":"",
            "Code":""
      },
      "ProductCode":"",
      "Title":"",
      "FirstName":"",
      "LastName": "",
      "Email":"",
      "HomeTelephone":"",
      "WorkTelephone":"",
      "BillingAddress":{
            "Line1":"",
            "Line2":"",
            "Line3":"",
            "Line4":"",
            "Line5":"",
            "Postcode":"",
            "Country":""
```

```
  }
}
```

Response

```
{
  "status": 200,
  "message": "Success",
  "errorCode": 0
}
```

6.2.4 User Product Summary

The user product listing endpoint should be called with the Token header. See the sample header, request JSON and response JSON object. This is applicable for all three products THM, THA and THCC.

Wireframe Reference

Please refer: Talk Home your products (Desktop).pdf

Swagger Reference

Please click here for HYPERLINK "http://lab.talkhome.co.uk/swagger/ui/index.html"User Product Summary HYPERLINK "http://lab.talkhome.co.uk/swagger/ui/index.html" HYPERLINK "http://lab.talkhome.co.uk/swagger/ui/index.html"reference

Supported HTTP Methods and URI

GET https://lab.talkhome.co.uk/talkhome/products/{productCode}

Header

```
User-Agent: Fiddler
Token: 3CCFDBF4AB764F9D80184AA2DF7C403D
Content-Type: application/json; charset=utf-8
Host: lab.talkhome.co.uk
```

Response

```
THM/THA
{
    "status": 200,
    "message": "Success",
    "payload": {
        "productList": {
            "products": [
                {
                    "mobileAccount": {
                        "msisdn": "447421596495",
                        "credit": 0
                    }
                }
            ]
        }
    },
```

```
    "errorCode": 0
}
thcc
{
    "status": 200,
    "message": "Success",
    "payload": {
        "productList": {
            "products": [
                {
                    "callingCardAccount": {
                        "cardnumber": "8944878255230725947 ",
                        "points": 0
                    }
                }
            ]
        }
    },
    "errorCode": 0
}
```


Response (Non-Existent)


```
{
  "status": 200,
  "message": "Product or subscriber Id not found",
  "errorCode": 0
}
```


6.3 Account Resources

6.3.1 User Account Summary

Endpoint for getting the user's talk home account summary.

Wireframe Reference

Please refer: Talk home your account details (mobile).pdf

Swagger Reference

Please click here for HYPERLINK "http://lab.talkhome.co.uk/swagger/ui/index.html"User Account Summary HYPERLINK "http://lab.talkhome.co.uk/swagger/ui/index.html" HYPERLINK "http://lab.talkhome.co.uk/swagger/ui/index.html"reference

Supported HTTP Methods and URI

GET https://lab.talkhome.co.uk/talkhome/useraccount/summary

Header

```
User-Agent: Fiddler
Token: 3CCFDBF4AB764F9D80184AA2DF7C403D
Content-Type: application/json; charset=utf-8
Host: lab.talkhome.co.uk
```

Response

```
{
    "status": 200,
    "message": "Success",
    "payload": {
        "firstName": "Talkhome",
        "lastName": "Nowtel",
        "email": "th_now_test4@outlook.com",
        "title": "Mr",
        "contactNo": "127256373",
        "mobileNo": "524241341",
        "addresses": {
            "home": {
                "addressL1": "AddressL2 home",
                "addressL2": "AddressL2 home",
                "city": "City",
                "county": "County",
                "postCode": "PostCode",
                "country": "Country"
            },
            "shipping": {
                "addressL1": "AddressL2 shipping",
                "addressL2": "AddressL2 shipping",
                "city": "City",
                "county": "County",
                "postCode": "PostCode",
                "country": "Country"
            },
            "billing": {
                "addressL1": "AddressL2 billing",
                "addressL2": "AddressL2 billing",
                "city": "City",
                "county": "County",
                "postCode": "PostCode",
                "country": "Country"
            }
        }
    },
    "errorCode": 0
}
```


6.3.2 Update User Address

This endpoint should be called to update an address for a user. See the sample header, request JSON and response JSON object. A user may have one or more addresses. When specifying the address type replace {addressType} with the following values.

- billing
- shipping
- home

Swagger Reference

Please click here for HYPERLINK "http://lab.talkhome.co.uk/swagger/ui/index.html"Update User Address HYPERLINK "http://lab.talkhome.co.uk/swagger/ui/index.html" HYPERLINK "http://lab.talkhome.co.uk/swagger/ui/index.html"reference

Supported HTTP Methods and URI

```
POST https://lab.talkhome.co.uk/update/address/{addressType}
```

Header

```
User-Agent: Fiddler
Token: 3CCFDBF4AB764F9D80184AA2DF7C403D
Content-Type: application/json; charset=utf-8
Host: lab.talkhome.co.uk
```

Body

```
{
  "AddressL1": "",
  "AddressL2": "",
  "Country": "",
  "City": "",
  "PostCode": "",
  "County": ""
}
```

Response

```
{
  "status": 200,
  "message": "Success",
  "payload": {
    "detailsUpdate": {
      "isUpdated": true
    }
  },
  "errorCode": 0
}
```

6.4 History Resources

6.4.1 Call History

The Call History URI allows for the retrieval of a user's call summary for each product. It allows for retrieval by page number and size. The page size is used to limit the number of records per page. There are two URIs associated with Call History. The first, to retrieve the total amount of call history pages and the second, a summary of the user's call history.

6.4.1.1 Call History Total Pages

The 'total pages' URI needs to be called when the customer initiates the first request for their call history. Use this to display the total number of pages.

Wireframe Reference

Please refer: Talk home call history 1 (mobile).pdf and Talk Home your call history modal (Desktop).pdf

Swagger Reference

Please click here for HYPERLINK "http://lab.talkhome.co.uk/swagger/ui/index.html"Call History Total Pages HYPERLINK "http://lab.talkhome.co.uk/swagger/ui/index.html" HYPERLINK "http://lab.talkhome.co.uk/swagger/ui/index.html"reference

Supported HTTP Methods and URI

```
POST https://lab.talkhome.co.uk/history/call/totalpages
```

Header

```
User-Agent: Fiddler
Token: 3CCFDBF4AB764F9D80184AA2DF7C403D
Content-Type: application/json; charset=utf-8
Host: lab.talkhome.co.uk
```

Body

```
{
  "ProductCode": "thm",
  "PageSize": "5"
}
```

Response

```
{
  "status": 200,
  "message": "Success",
  "payload": {
    "totalPages": 1170
  },
  "errorCode": 0
}
```

6.4.1.2 Call History Summary

It allows for the retrieval of a user's call summary for each product.

```
POST https://lab.talkhome.co.uk/history/call
```

Wireframe Reference

Please refer: HYPERLINK "https://nowtel-my.sharepoint.com/personal/mdurante_nowtel_co_uk/_layouts/15/onedrive.aspx?FolderCTID=0x012000094F6EF3108D3C479A4206814B80B091&id=%2Fpersonal%2Fmdurante_nowtel_co_uk%2FDocuments%2FTalk%20Home%20Website%2FWireframes%2F12.%20User%20account%20-%20Call%20History" Talk home call history 1 (mobile).pdf and Talk Home your call history modal (Desktop).pdf

Please refer: HYPERLINK "https://nowtel-my.sharepoint.com/personal/mdurante_nowtel_co_uk/_layouts/15/onedrive.aspx?FolderCTID=0

x012000094F6EF3108D3C479A4206814B80B091&id=%2Fpersonal%2Fmdurante_nowtel_co_uk%2FDocuments%2FTalk%20Home%20Website%2FWireframes%2F11.%20User%20account" Talk Home your products (Desktop).pdf

Swagger Reference

Please click here for HYPERLINK "http://lab.talkhome.co.uk/swagger/ui/index.html"Call History Summary HYPERLINK "http://lab.talkhome.co.uk/swagger/ui/index.html" HYPERLINK "http://lab.talkhome.co.uk/swagger/ui/index.html"reference

Header

```
User-Agent: Fiddler
Token: 3CCFDBF4AB764F9D80184AA2DF7C403D
Content-Type: application/json; charset=utf-8
Host: lab.talkhome.co.uk
```

Body

```
{
  "ProductCode":"thm",
  "PageNo": "1",
  "PageSize": "5"
}
```

Response

```
{
  "status": 200,
  "message": "Success",
  "payload": [
    {
      "start_time": "2017-06-07T14:51:40",
      "called_party_number": "447714439668",
      "duration": "1",
      "subscriber_charge": "0.000000"
    },
    {
      "start_time": "2017-06-07T13:29:58",
      "called_party_number": "447481061754",
      "duration": "91",
      "subscriber_charge": "0.000000"
    }
  ],
  "errorCode": 0
}
```

6.4.2 SMS History

The SMS History URI allows for the retrieval of a user's SMS summary for each product. It allows for retrieval by page number and size. The page size is used to limit the number of records per page. There are two URIs associated with Call History. The first, to retrieve the total amount of SMS history pages and the second, a summary of the user's SMS history.

6.4.2.1 SMS History Total Pages

The ‘total pages’ URI needs to be called when the customer initiates the first request for their SMS history. Use this to display the total number of pages.

Wireframe Reference

N/A

Swagger Reference

Please click here for HYPERLINK "http://lab.talkhome.co.uk/swagger/ui/index.html"SMS History Total Pages HYPERLINK "http://lab.talkhome.co.uk/swagger/ui/index.html" HYPERLINK "http://lab.talkhome.co.uk/swagger/ui/index.html"reference

Supported HTTP Methods and URI

```
POST https://lab.talkhome.co.uk/history/sms/totalpages
```

Header

```
User-Agent: Fiddler
Token: 3CCFDBF4AB764F9D80184AA2DF7C403D
Content-Type: application/json; charset=utf-8
Host: lab.talkhome.co.uk
```

Body

```
{
  "ProductCode":"thm",
  "PageSize": "5"
}
```

Response

```
{
  "status": 200,
  "message": "Success",
  "payload": {
    "totalPages": 234
  },
  "errorCode": 0
}
```

6.4.2.2 SMS History Summary

It allows for the retrieval of a user’s SMS summary for each product.

Wireframe Reference

N/A

Swagger Reference

Please click here for HYPERLINK "http://lab.talkhome.co.uk/swagger/ui/index.html"SMS History Summary HYPERLINK "http://lab.talkhome.co.uk/swagger/ui/index.html" HYPERLINK "http://lab.talkhome.co.uk/swagger/ui/index.html"reference

Supported HTTP Methods and URI

```
POST https://lab.talkhome.co.uk/history/sms
```

Header

```
User-Agent: Fiddler
Token: 3CCFDBF4AB764F9D80184AA2DF7C403D
Content-Type: application/json; charset=utf-8
Host: lab.talkhome.co.uk
```

Body

```
{
  "ProductCode":"thm",
  "PageNo": "1",
  "PageSize": "5"
}
```

Response


```
{
  "status": 200,
  "message": "Success",
  "payload": [
    {
      "calling_party_number": "447419500208",
      "start_time": "2017-05-11T14:50:17",
      "subscriber_charge": "0.000000"
    },
    {
      "calling_party_number": "447419500208",
      "start_time": "2017-05-09T16:54:52",
      "subscriber_charge": "0.000000"
    }
  ],
  "errorCode": 0
}
```


6.4.3 Data History

The Data History URI allows for the retrieval of a user's data summary for THM only. It allows for retrieval by page number and size. The page size is used to limit the number of records per page. There are two URIs associated with Data History. The first, to retrieve the total amount of data history pages and the second, a summary of the user's data history.

6.4.3.1 Data History Total Pages

The 'total pages' URI needs to be called when the customer initiates the first request for their data history. Use this to display the total number of pages.

Wireframe Reference

N/A

Swagger Reference

Please click here for HYPERLINK "http://lab.talkhome.co.uk/swagger/ui/index.html"Data History Total Pages HYPERLINK "http://lab.talkhome.co.uk/swagger/ui/index.html" HYPERLINK "http://lab.talkhome.co.uk/swagger/ui/index.html"reference

Supported HTTP Methods and URI

```
POST https://lab.talkhome.co.uk/history/data/totalpages
```

Header

```
User-Agent: Fiddler
Token: 3CCFDBF4AB764F9D80184AA2DF7C403D
Content-Type: application/json; charset=utf-8
Host: lab.talkhome.co.uk
```

Body

```
{
  "ProductCode":"thm",
  "PageSize": "5"
}
```

Response

```
{
  "status": 200,
  "message": "Success",
  "payload": {
    "totalPages": 1614
  },
  "errorCode": 0
}
```

6.4.3.2 Data History Summary

It allows for the retrieval of a user's data summary for each product.

Wireframe Reference

N/A

Swagger Reference

Please click here for HYPERLINK "http://lab.talkhome.co.uk/swagger/ui/index.html"Data History Summary HYPERLINK "http://lab.talkhome.co.uk/swagger/ui/index.html" HYPERLINK "http://lab.talkhome.co.uk/swagger/ui/index.html"reference

Supported HTTP Methods and URI

```
POST https://lab.talkhome.co.uk/history/data
```

Header

```
User-Agent: Fiddler
Token: 3CCFDBF4AB764F9D80184AA2DF7C403D
Content-Type: application/json; charset=utf-8
Host: lab.talkhome.co.uk
```

Body

```
{
  "ProductCode":"thm",
  "PageNo": "1",
  "PageSize": "5"
}
```

Response


```
{
  "status": 200,
  "message": "Success",
  "payload":
    {
      "calling_party_number": "447419500208",
      "start_time": "2017-06-04T09:17:10",
      "subscriber_charge": "0.000000"
    },
    {
      "calling_party_number": "447419500208",
      "start_time": "2017-06-04T07:10:56",
      "subscriber_charge": "0.000000"
    },
    {
      "calling_party_number": "447419500208",
      "start_time": "2017-06-04T03:03:19",
      "subscriber_charge": "0.000000"
    },
    {
      "calling_party_number": "447419500208",
      "start_time": "2017-06-03T23:30:49",
      "subscriber_charge": "0.000000"
    },
    {
      "calling_party_number": "447419500208",
      "start_time": "2017-06-03T21:50:18",
      "subscriber_charge": "0.000000"
    }
  ],
  "errorCode": 0
}
```


6.4.4 Payment History

The Payment History URI allows for the retrieval of a user's payment summary for each product. It allows for retrieval by page number and size. The page size is used to limit the number of records per page. There are two URIs associated with Payment History. The first, to retrieve the total amount of payment history pages and the second, a summary of the user's payment history.

6.4.4.1 Payment History Total Pages

The ‘total pages’ URI needs to be called when the customer initiates the first request for their payment history. Use this to display the total number of pages.

Wireframe Reference

Refer Talk Home payment history (Desktop).pdf and Talk home payment history 1 (mobile).pdf

Swagger Reference

Please click here for HYPERLINK "http://lab.talkhome.co.uk/swagger/ui/index.html"Payment History Total Pages HYPERLINK "http://lab.talkhome.co.uk/swagger/ui/index.html" HYPERLINK "http://lab.talkhome.co.uk/swagger/ui/index.html"reference

Supported HTTP Methods and URI

```
POST https://lab.talkhome.co.uk/history/payment/totalpages
```

Header

```
User-Agent: Fiddler
Token: 3CCFDBF4AB764F9D80184AA2DF7C403D
Content-Type: application/json; charset=utf-8
Host: lab.talkhome.co.uk
```

Body

```
{
       "ProductCode":"thm",
       "PageSize": "5"
}
```

Response

```
{
  "status": 200,
  "message": "Success",
  "payload": {
    "totalPages": 209
  },
  "errorCode": 0
}
```

6.4.4.2 Payment History Summary

It allows for the retrieval of a user’s payment summary for each product.

Wireframe Reference

Please refer: HYPERLINK "https://nowtel-my.sharepoint.com/personal/mdurante_nowtel_co_uk/_layouts/15/onedrive.aspx?FolderCTID=0x012000094F6EF3108D3C479A4206814B80B091&id=%2Fpersonal%2Fmdurante_nowtel_co_uk%2FDocuments%2FTalk%20Home%20Website%2FWireframes%2F13.%20User%20Account%20-%20Payment%20History" Talk Home payment history (Desktop).pdf and Talk home payment history 1 (mobile).pdf

Swagger Reference

Please click here for HYPERLINK "http://lab.talkhome.co.uk/swagger/ui/index.html"Payment History Summary HYPERLINK "http://lab.talkhome.co.uk/swagger/ui/index.html" HYPERLINK "http://lab.talkhome.co.uk/swagger/ui/index.html"reference

Supported HTTP Methods and URI

POST https://lab.talkhome.co.uk/history/payment

Header

```
User-Agent: Fiddler
Token: 3CCFDBF4AB764F9D80184AA2DF7C403D
Content-Type: application/json; charset=utf-8
Host: lab.talkhome.co.uk
```

Body

```
{
  "ProductCode":"thm",
  "PageNo": "1",
  "PageSize": "5"
}
```

Response

```
{
  "status": 200,
  "message": "Success",
  "payload": [
    {
      "paymentDate": "2017-03-07T13:59:12.88",
      "amount": "5",
      "reason": "EV: Pay Point (5505401317458)"
    },
    {
      "paymentDate": "2017-03-02T16:21:18.073",
      "amount": "5",
      "reason": "EV: ePay (6286751787858)"
    }
  ],
  "errorCode": 0
}
```

6.5 Rates Resources

Allows for the retrieval of different types of rates for different products and filter by page number and page size depending on the services. The Page size used to limit the number of records per page.

6.5.1 THM Standard International List (All/Top)

Allows for the retrieval of the THM Standard International rates list. To consume this service basic authentication is required. In the URI, replace "serviceType" with the following;

- "all" for the Standard International list.
- "top" for the Standard International top list ("PageNo" and "PageSize" should be "0").

Wireframe Reference

Please refer: Talk home mobile landing page (desktop).pdf and Talk home mobile landing page (mobile).pdf

Swagger Reference

Please click here for HYPERLINK "http://lab.talkhome.co.uk/swagger/ui/index.html"THM Standard International List (All/Top) HYPERLINK "http://lab.talkhome.co.uk/swagger/ui/index.html" HYPERLINK "http://lab.talkhome.co.uk/swagger/ui/index.html"reference

Supported HTTP Methods and URI:

```
POST
https://lab.talkhome.co.uk/rates/common/standard/international/list/{serviceType}
```

Header

```
User-Agent: Fiddler
Authorization: Basic YmV0YXRlc3Q6ajZ2YlY3RWNueEN3aGV5TQ==
Content-Type: application/json; charset=utf-8
Host: lab.talkhome.co.uk
```

Body

```
THM / THA:
{
  "ProductCode":"thm",
  "PageNo": "1",
  "PageSize": "2"
}
```

Response

```
THM:
```

```
{
    "status": 200,
    "message": "Success",
    "payload": [
        {
            "iso_code": "AF",
            "destination": "Afghanistan",
            "landline": "0.100",
            "mobile": "0.100",
            "sms": "0.100"
        },
        {
            "iso_code": "AL",
            "destination": "Albania",
            "landline": "0.080",
            "mobile": "0.250",
            "sms": "0.100"
        }
    ],
    "errorCode": 0
}
```


6.5.2 THA Standard International List

6.5.2.1 THA International Countries

This endpoint should be called to retrieve the countries supported for THA Standard International rates. Returned with each country is an ISO code. The “all” and “top” list endpoints should be called with the ISO codes.

Swagger Reference

Please click here for HYPERLINK "http://lab.talkhome.co.uk/swagger/ui/index.html"THA International Countries HYPERLINK "http://lab.talkhome.co.uk/swagger/ui/index.html" HYPERLINK "http://lab.talkhome.co.uk/swagger/ui/index.html"reference

Supported HTTP Methods and URI:

```
POST
https://lab.talkhome.co.uk/rates/nonuseraccount/standard/international/countries
```

Header

```
User-Agent: Fiddler
Authorization: Basic YmV0YXRlc3Q6ajZ2YlY3RWNueEN3aGV5TQ==
Content-Type: application/json; charset=utf-8
Host: lab.talkhome.co.uk
```

Body

```
THA Unauthorised:
{
  "ProductCode":"tha"
}
```

Response

```
THA Unauthorised and Authorised:
{
    "status": 200,
    "message": "Success",
    "payload": [
        {
            "iso_code": "AD",
            "country_name": "Andorra"
        },
        {
            "iso_code": "AE",
            "country_name": "United Arab Emirates"
        }
    ],
    "errorCode": 0
}
```

6.5.2.2 THA International (All/Top)

It allows for the retrieval of the THA Standard International rates list. There are two endpoints for same product.

- "all" for the Standard International list.
- "top" for the Standard International top list ("PageNo" and "PageSize" should be "0").

Wireframe Reference

Please refer: Talk Home App landing page (desktop).pdf and Talk Home App landing page (mobile).pdf

Swagger Reference

Please click here for HYPERLINK "http://lab.talkhome.co.uk/swagger/ui/index.html"THA International (All/Top) HYPERLINK "http://lab.talkhome.co.uk/swagger/ui/index.html" HYPERLINK "http://lab.talkhome.co.uk/swagger/ui/index.html"reference

Supported HTTP Methods and URI:

```
THA Unauthorised (Before Login):

POST https://lab.talkhome.co.uk/rates/nonuseraccount/standard/international/list/{serviceType}

THA Authorised (After Login):

POST https://lab.talkhome.co.uk/rates/useraccount/standard/international/list
```

Header

```
THA Unauthorised:
User-Agent: Fiddler
Authorization: Basic YmV0YXRlc3Q6ajZ2YlY3RWNueEN3aGV5TQ==
```

```
Content-Type: application/json; charset=utf-8
Host: lab.talkhome.co.uk

THA Authorised:
User-Agent: Fiddler
Token: 3CCFDBF4AB764F9D80184AA2DF7C403D
Content-Type: application/json; charset=utf-8
Host: lab.talkhome.co.uk
```

Body

```
THA Unauthorised:
{
  "ProductCode": "tha",
  "Iso_Code": "GB",
  "PageNo": "1",
  "PageSize": "2"
}

THA Authorised:
{
  "ProductCode": "tha",
  "PageNo": "1",
  "PageSize": "2"
}
```

Response

```
THA Unauthorised and Authorised:
{
    "status": 200,
    "message": "Success",
    "payload": [
        {
            "iso_code": "US",
            "destination": "USA",
            "landline": "0.010",
            "mobile": "0.010",
            "sms": "0.100"
        },
        {
            "iso_code": "NL",
            "destination": "Netherlands",
            "landline": "0.250",
            "mobile": "0.250",
            "sms": "0.100"
        }
    ],
    "errorCode": 0
}
```

6.5.3 Standard International Destinations

Allows for the retrieval of THM and THA standard International destination list.

Wireframe Reference

Please refer: HYPERLINK "https://nowtel-my.sharepoint.com/personal/mdurante_nowtel_co_uk/_layouts/15/onedrive.aspx?FolderCTID=0x012000094F6EF3108D3C479A4206814B80B091&id=%2Fpersonal%2Fmdurante_nowtel_co_uk%2

FDocuments%2FTalk%20Home%20Website%2FWireframes%2F06.%20Talk%20Home%20Mobile%20-%20Rates" Talk Home Mobile International Rates (Desktop).pdf

Please refer: HYPERLINK "https://nowtel-my.sharepoint.com/personal/mdurante_nowtel_co_uk/_layouts/15/onedrive.aspx?FolderCTID=0x012000094F6EF3108D3C479A4206814B80B091&id=%2Fpersonal%2Fmdurante_nowtel_co_uk%2FDocuments%2FTalk%20Home%20Website%2FWireframes%2F09.%20Talk%20Home%20App%20-%20Rates" Talk Home App Rates (Desktop).png and Talk Home App Rates (Mobile).jpg

Swagger Reference

Please click here for HYPERLINK "http://lab.talkhome.co.uk/swagger/ui/index.html"Standard International Destinations HYPERLINK "http://lab.talkhome.co.uk/swagger/ui/index.html" HYPERLINK "http://lab.talkhome.co.uk/swagger/ui/index.html"reference

Supported HTTP Methods and URI

```
GET

https://lab.talkhome.co.uk/rates/{productCode}/standard/international/destinations
```

Header

```
User-Agent: Fiddler
Authorization: Basic YmV0YXRlc3Q6ajZ2YlY3RWNueEN3aGV5TQ==
Content-Type: application/json; charset=utf-8
Host: lab.talkhome.co.uk
```

Response

```
THM:
{
  "status": 200,
  "message": "Success",
  "payload": [
{
            "iso_code": "AF",
            "des_id": "1",
            "destination": "Afghanistan"
        },
        {
            "iso_code": "AL",
            "des_id": "2",
            "destination": "Albania"
        }
  ],
  "errorCode": 0
}

THA:
{
  "status": 200,
  "message": "Success",
  "payload": [
    {
      "Iso_code": "GB",
      "country_name": "United Kingtom"
    }
```

```
  ],
  "errorCode": 0
}
```

6.5.4 Standard International Rates by Destination Id

Allows for the retrieval of the THM and THA standard International rates list based on the destination id and ISO Code of the country. The ISO code should be “null” for THM requests and worked out based on the user’s IP Address for THA request.

Wireframe Reference

Please refer: HYPERLINK "https://nowtel-my.sharepoint.com/personal/mdurante_nowtel_co_uk/_layouts/15/onedrive.aspx?FolderCTID=0x012000094F6EF3108D3C479A4206814B80B091&id=%2Fpersonal%2Fmdurante_nowtel_co_uk%2FDocuments%2FTalk%20Home%20Website%2FWireframes%2F06.%20Talk%20Home%20Mobile%20-%20Rates" Talk Home Mobile International Rates (Desktop).pdf

Please refer: HYPERLINK "https://nowtel-my.sharepoint.com/personal/mdurante_nowtel_co_uk/_layouts/15/onedrive.aspx?FolderCTID=0x012000094F6EF3108D3C479A4206814B80B091&id=%2Fpersonal%2Fmdurante_nowtel_co_uk%2FDocuments%2FTalk%20Home%20Website%2FWireframes%2F09.%20Talk%20Home%20App%20-%20Rates" Talk Home App Rates (Desktop).png and Talk Home App Rates (Mobile).jpg

Swagger Reference

Please click here for HYPERLINK "http://lab.talkhome.co.uk/swagger/ui/index.html"Standard International Rates by Destination Id HYPERLINK "http://lab.talkhome.co.uk/swagger/ui/index.html" HYPERLINK "http://lab.talkhome.co.uk/swagger/ui/index.html"reference

Supported HTTP Methods and URI

```
GET
https://lab.talkhome.co.uk/rates/{productCode}/standard/international/destinations/{iso_code}/{des_id}
```

Header

```
User-Agent: Fiddler
Authorization: Basic YmV0YXRlc3Q6ajZ2YlY3RWNueEN3aGV5TQ==
Content-Type: application/json; charset=utf-8
Host: lab.talkhome.co.uk
```

Response

```
THM/THA:
{
```

```
    "status": 200,
    "message": "Success",
    "payload": [
        {
            "iso_code": "AF",
            "destination": "Afghanistan",
            "landline": "0.100",
            "mobile": "0.100",
            "sms": "0.100"
        }
    ],
    "errorCode": 0
}
```


6.5.5 UK Save Plan Destinations

Allows for the retrieval of THM UK Save plan destinations.

Swagger Reference

Please click here for HYPERLINK "http://lab.talkhome.co.uk/swagger/ui/index.html"UK Save Plan Destinations HYPERLINK "http://lab.talkhome.co.uk/swagger/ui/index.html"reference

Supported HTTP Methods and URI

```
GET https://lab.talkhome.co.uk/rates/thm/uksaveplan/destinations
```

Header

```
User-Agent: Fiddler
Authorization: Basic YmV0YXRlc3Q6ajZ2YlY3RWNueEN3aGV5TQ==
Content-Type: application/json; charset=utf-8
Host: lab.talkhome.co.uk
```

Response


```
{
  "status": 200,
  "message": "Success",
  "payload": [
    {
            "iso_code": "AF",
            "des_id": "1",
            "destination": "Afghanistan"
        },
        {
            "iso_code": "AL",
            "des_id": "2",
            "destination": "Albania"
        }
  ],
  "errorCode": 0
}
```


6.5.6 UK Save Plan Rates by Destination Id

Allows for the retrieval of THM UK Save plan rates list based on the destination id.

Swagger Reference

Please click here for HYPERLINK "http://lab.talkhome.co.uk/swagger/ui/index.html"UK Save Plan Rates by Destination Id HYPERLINK "http://lab.talkhome.co.uk/swagger/ui/index.html" HYPERLINK "http://lab.talkhome.co.uk/swagger/ui/index.html"reference

Supported HTTP Methods and URI

```
GET https://lab.talkhome.co.uk/rates/thm/uksaveplan/destinations/{des_id}
```

Header

```
User-Agent: Fiddler
Authorization: Basic YmV0YXRlc3Q6ajZ2YlY3RWNueEN3aGV5TQ==
Content-Type: application/json; charset=utf-8
Host: lab.talkhome.co.uk
```

Response


```
{
    "status": 200,
    "message": "Success",
    "payload": [
        {
            "iso_code": "AF",
            "destination": "Afghanistan",
            "landline_rate": "0.100",
            "mobile_rate": "0.100",
            "sms_rate": "0.100"
        }
    ],
    "errorCode": 0
}
```


6.5.7 UK Save Plan Top Rates

Allows for the retrieval of the top THM UK Save plan rates.

Swagger Reference

Please click here for HYPERLINK "http://lab.talkhome.co.uk/swagger/ui/index.html"UK Save Plan Top Rates HYPERLINK "http://lab.talkhome.co.uk/swagger/ui/index.html" HYPERLINK "http://lab.talkhome.co.uk/swagger/ui/index.html"reference

Supported HTTP Methods and URI:

```
GET https://lab.talkhome.co.uk/rates/thm/uksaveplan/top
```

Header

```
User-Agent: Fiddler
Authorization: Basic YmV0YXRlc3Q6ajZ2YlY3RWNueEN3aGV5TQ==
Content-Type: application/json; charset=utf-8
Host: lab.talkhome.co.uk
```

Response


```
{
            "iso_code": "DE",
```

```
            "destination": "Germany",
            "landline_rate": 0.01,
            "mobile_rate": 0.05,
            "sms_rate": 0.1
        },
        {
            "iso_code": "AE",
            "destination": "United Arab Emirates",
            "landline_rate": 0.15,
            "mobile_rate": 0.15,
            "sms_rate": 0.1
        }
```


6.5.8 UK Rates

Allows for the retrieval of THM UK Plans.

Wireframe Reference

Please refer: HYPERLINK "https://nowtel-my.sharepoint.com/personal/mdurante_nowtel_co_uk/_layouts/15/onedrive.aspx?FolderCTID=0x012000094F6EF3108D3C479A4206814B80B091&id=%2Fpersonal%2Fmdurante_nowtel_co_uk%2FDocuments%2FTalk%20Home%20Website%2FWireframes%2F06.%20Talk%20Home%20Mobile%20-%20Rates" Talk Home Mobile UK Rates (Desktop).pdf

Swagger Reference

Please click here for HYPERLINK "http://lab.talkhome.co.uk/swagger/ui/index.html"UK Rates HYPERLINK "http://lab.talkhome.co.uk/swagger/ui/index.html" HYPERLINK "http://lab.talkhome.co.uk/swagger/ui/index.html"reference

Supported HTTP Methods and URI

```
GET https://lab.talkhome.co.uk/rates/thm/uk
```

Header

```
User-Agent: Fiddler
Authorization: Basic YmV0YXRlc3Q6ajZ2YlY3RWNueEN3aGV5TQ==
Content-Type: application/json; charset=utf-8
Host: lab.talkhome.co.uk
```

Response


```
{
  "status": 200,
  "message": "Success",
  "payload": [
    {
      "content_header": "UK Rates",
      "content": "National",
      "description": "10p/min"
    },
    {
      "content_header": "TALK HOME Mobile to TALK HOME Mobile",
```

```
      "content": "Calls",
      "description": "FREE*"
    },
    {
      "content_header": "Special Numbers",
      "content": "Voicemail",
      "description": "FREE"
    },
    {
      "content_header": "Special Numbers",
      "content": "Customer Services(579)",
      "description": "FREE"
    }
  ],
  "errorCode": 0
}
```


6.5.9 Top Minutes

Allows for the retrieval of THCC Top minutes.

Wireframe Reference

Please refer: HYPERLINK "https://nowtel-my.sharepoint.com/personal/mdurante_nowtel_co_uk/_layouts/15/onedrive.aspx?id=%2Fpersonal%2Fmdurante_nowtel_co_uk%2FDocuments%2FTalk%20Home%20Website%2FWireframes%2F04.%20Calling%20Cards%20-%20Landing%20page" Calling Cards landing page (desktop).pdf and Calling Cards landing page (mobile).pdf

Swagger Reference

Please click here for HYPERLINK "http://lab.talkhome.co.uk/swagger/ui/index.html"Top Minutes HYPERLINK "http://lab.talkhome.co.uk/swagger/ui/index.html" HYPERLINK "http://lab.talkhome.co.uk/swagger/ui/index.html"reference

Supported HTTP Methods and URI

```
GET https://lab.talkhome.co.uk/rates/thcc/topminutes
```

Header

```
User-Agent: Fiddler
Authorization: Basic YmV0YXRlc3Q6ajZ2YlY3RWNueEN3aGV5TQ==
Content-Type: application/json; charset=utf-8
Host: lab.talkhome.co.uk
```

Response


```
{
  "status": 200,
  "message": "Success",
  "payload": [
       {
            "iso_code": "DE",
            "destination": "Germany",
            "cc_minutes": 0
        },
```

```
        {
            "iso_code": "AE",
            "destination": "United Arab Emirates",
            "cc_minutes": 0
        }
  ],
  "errorCode": 0
}
```


6.5.10 One Code Destinations

Allows for the retrieval of the THM One Code rates destinations.

Swagger Reference

Please click here for HYPERLINK "http://lab.talkhome.co.uk/swagger/ui/index.html"One Code Destinations HYPERLINK "http://lab.talkhome.co.uk/swagger/ui/index.html" HYPERLINK "http://lab.talkhome.co.uk/swagger/ui/index.html"reference

Supported HTTP Methods and URI

GET https://lab.talkhome.co.uk/rates/thm/onecode/destinations

Header

```
User-Agent: Fiddler
Authorization: Basic YmV0YXRlc3Q6ajZ2YlY3RWNueEN3aGV5TQ==
Content-Type: application/json; charset=utf-8
Host: lab.talkhome.co.uk
```

Response


```
{
    "status": 200,
    "message": "Success",
    "payload": [
        {
            "iso_code": "US",
            "id": 232,
            "country": "USA",
            "countryCode": 1
        },
        {
            "iso_code": "NL",
            "id": 156,
            "country": "Netherlands",
            "countryCode": 2
        }
    ],
    "errorCode": 0
}
```


6.5.11 One Code Rates by Destination Id

Allows for the retrieval of THM One Code rates based on the destination id.

Swagger Reference

Please click here for HYPERLINK "http://lab.talkhome.co.uk/swagger/ui/index.html"One Code Rates by Destination Id HYPERLINK "http://lab.talkhome.co.uk/swagger/ui/index.html" HYPERLINK "http://lab.talkhome.co.uk/swagger/ui/index.html"reference

Supported HTTP Methods and URI

```
GET https://lab.talkhome.co.uk/rates/thm/onecode/destinations/{id}
```

Header

```
User-Agent: Fiddler
Authorization: Basic YmV0YXRlc3Q6ajZ2YlY3RWNueEN3aGV5TQ==
Content-Type: application/json; charset=utf-8
Host: lab.talkhome.co.uk
```

Response


```
{
    "status": 200,
    "message": "Success",
    "payload": {
        "iso_code": "AF",
        "landline": 0.1,
        "mobile": 0.1,
        "sms": 0.1
    },
    "errorCode": 0
}
```


6.5.12 Roaming Destinations

Allows for the retrieval of THM roaming rates destinations.

Wireframe Reference

Please refer: HYPERLINK "https://nowtel-my.sharepoint.com/personal/mdurante_nowtel_co_uk/_layouts/15/onedrive.aspx?FolderCTID=0x012000094F6EF3108D3C479A4206814B80B091&id=%2Fpersonal%2Fmdurante_nowtel_co_uk%2FDocuments%2FTalk%20Home%20Website%2FWireframes%2F06.%20Talk%20Home%20Mobile%20-%20Rates" Talk Home Mobile International Rates (Desktop).pdf

Swagger Reference

Please click here for HYPERLINK "http://lab.talkhome.co.uk/swagger/ui/index.html"Roaming Destinations HYPERLINK "http://lab.talkhome.co.uk/swagger/ui/index.html" HYPERLINK "http://lab.talkhome.co.uk/swagger/ui/index.html"reference

Supported HTTP Methods and URI

```
GET https://lab.talkhome.co.uk/rates/thm/roaming/destinations
```

Header

```
User-Agent: Fiddler
```

```
Authorization: Basic YmV0YXRlc3Q6ajZ2YlY3RWNueEN3aGV5TQ==
Content-Type: application/json; charset=utf-8
Host: lab.talkhome.co.uk
```

Response


```
{
    "status": 200,
    "message": "Success",
    "payload": [
        {
            "iso_code": "US",
            "id": 232,
            "country": "USA",
            "countryCode": 1
        },
        {
            "iso_code": "NL",
            "id": 156,
            "country": "Netherlands",
            "countryCode": 2
        }
    ],
    "errorCode": 0
}
```


6.5.13 Roaming Rates by Destination Id

Allows for the retrieval of THM Roaming rates based on the destination id.

Wireframe Reference

Please refer: HYPERLINK "https://nowtel-my.sharepoint.com/personal/mdurante_nowtel_co_uk/_layouts/15/onedrive.aspx?FolderCTID=0x012000094F6EF3108D3C479A4206814B80B091&id=%2Fpersonal%2Fmdurante_nowtel_co_uk%2FDocuments%2FTalk%20Home%20Website%2FWireframes%2F06.%20Talk%20Home%20Mobile%20-%20Rates" Talk Home Mobile International Rates (Desktop).pdf

Swagger Reference

Please click here for HYPERLINK "http://lab.talkhome.co.uk/swagger/ui/index.html"Roaming Rates by Destination Id HYPERLINK "http://lab.talkhome.co.uk/swagger/ui/index.html" HYPERLINK "http://lab.talkhome.co.uk/swagger/ui/index.html"reference

Supported HTTP Methods and URI

```
GET https://lab.talkhome.co.uk/rates/thm/roaming/destinations/{id}
```

Header

```
User-Agent: Fiddler
Authorization: Basic YmV0YXRlc3Q6ajZ2YlY3RWNueEN3aGV5TQ==
Content-Type: application/json; charset=utf-8
Host: lab.talkhome.co.uk
```

Response

```
{
    "status": 200,
    "message": "Success",
    "payload": {
        "iso_code": "AF",
        "country": "Afghanistan",
        "countryCode": 9,
        "ukCall": 0.1,
        "localCall": 0.1,
        "euCall": 0.1,
        "internationalCall": 0.1,
        "outboundSMS": 0.1,
        "inboundSMS": 0.1,
        "data": 0.1,
        "inboundCall": 0.1
    },
    "errorCode": 0
}
```


6.6 Sim Resources

6.6.1 Order Sim

See the sample header, request JSON and response JSON objects.

Wireframe Reference

N/A

Swagger Reference

Please click here for HYPERLINK "http://lab.talkhome.co.uk/swagger/ui/index.html"Order Sim HYPERLINK "http://lab.talkhome.co.uk/swagger/ui/index.html" HYPERLINK "http://lab.talkhome.co.uk/swagger/ui/index.html"reference

Supported HTTP Methods and URI

```
POST https://lab.talkhome.co.uk/talkhome/sim/order/new
```

Header

```
User-Agent: Fiddler
Authorization: Basic YmV0YXRlc3Q6ajZ2YlY3RWNueEN3aGV5TQ==
Content-Type: application/json; charset=utf-8
Host: lab.talkhome.co.uk
```

Body


```
{
  "FirstName":"",
  "LastName":"",
  "Email":"",
  "AddressL1":"",
  "AddressL2":"",
  "City": "",
  "County":"",
  "PostCode":"",
  "Country":""
}
```

Response:


```
{
  "status": 200,
  "message": "Success",
  "errorCode": 0
}
```


6.7 Bundle Resources

6.7.1 Compatible Bundle

This endpoint should be called to retrieve the bundles compatible with a user's product. See the sample header, request JSON and response JSON objects. This is applicable for two products THM and THA.

Wireframe Reference

Please refer: Talk home mobile plans UK (Desktop).pdf, HYPERLINK "https://nowtel-my.sharepoint.com/personal/mdurante_nowtel_co_uk/_layouts/15/onedrive.aspx?FolderCTID=0x012000094F6EF3108D3C479A4206814B80B091&id=%2Fpersonal%2Fmdurante_nowtel_co_uk%2FDocuments%2FTalk%20Home%20Website%2FWireframes%2F05.%20Talk%20Home%20Mobile%20-%20Plans" HYPERLINK "https://nowtel-my.sharepoint.com/personal/mdurante_nowtel_co_uk/_layouts/15/onedrive.aspx?FolderCTID=0x012000094F6EF3108D3C479A4206814B80B091&id=%2Fpersonal%2Fmdurante_nowtel_co_uk%2FDocuments%2FTalk%20Home%20Website%2FWireframes%2F05.%20Talk%20Home%20Mobile%20-%20Plans"Talk HYPERLINK "https://nowtel-my.sharepoint.com/personal/mdurante_nowtel_co_uk/_layouts/15/onedrive.aspx?FolderCTID=0x012000094F6EF3108D3C479A4206814B80B091&id=%2Fpersonal%2Fmdurante_nowtel_co_uk%2FDocuments%2FTalk%20Home%20Website%2FWireframes%2F05.%20Talk%20Home%20Mobile%20-%20Plans" home mobile plans UK (Mobile).pdf, Talk home mobile plans UK and international (Desktop).pdf and Talk home mobile plans UK and international (mobile)

Swagger Reference

Please click here for HYPERLINK "http://lab.talkhome.co.uk/swagger/ui/index.html"Compatible Bundle HYPERLINK "http://lab.talkhome.co.uk/swagger/ui/index.html"reference

Supported HTTP Methods and URI

GET
https://lab.talkhome.co.uk/talkhome/bundle/list/{productCode}/{msisdnOrCardNumber}

Header

```
User-Agent: Fiddler
Token: 3CCFDBF4AB764F9D80184AA2DF7C403D
Content-Type: application/json; charset=utf-8
Host: lab.talkhome.co.uk
```

Response

```
THM / THA:
{
  "status": 200,
  "message": "Success",
  "payload": [
    {
      "id": "1562d631-ddac-42a3-8088-213565c3a797",
      "brandedName": "(£02) Talk 50 + Text 50 + 50 MB",
      "description": "(£02) Talk 50 + Text 50 + 50 MB",
      "totalCostPence": 0,
      "chargePeriodDays": 30,
      "bundlePeriodDays": 0,
      "texts": 50,
      "seconds": 3000,
      "minutes": 50,
      "createdDateTime": "0001-01-01T00:00:00"
    }
  ],
  "errorCode": 0
}
```

6.7.2 Add Bundle

This endpoint should be called to add a bundle to a user's product. See the sample header, request JSON and response JSON objects.

Swagger Reference

Please click here for HYPERLINK "http://lab.talkhome.co.uk/swagger/ui/index.html"Add Bundle HYPERLINK "http://lab.talkhome.co.uk/swagger/ui/index.html" HYPERLINK "http://lab.talkhome.co.uk/swagger/ui/index.html"reference

Supported HTTP Methods and URI

```
POST https://lab.talkhome.co.uk/talkhome/{productCode}/bundles/add
```

Header

```
User-Agent: Fiddler
Token: 3CCFDBF4AB764F9D80184AA2DF7C403D
Content-Type: application/json; charset=utf-8
Host: lab.talkhome.co.uk
```

Body

```
{
  "MsisdnOrCardNumber": "447422479132",
  "BundleId": "1562d631-ddac-42a3-8088-213565c3a797"
}
```

Response

```
{
  "status": 200,
  "message": "",
  "errorCode": 0
}
```


6.7.3 User Account Bundles

This endpoint should be called to get the bundles a user has added to either their THA or THM account. See the sample header, request JSON and response JSON objects. This is applicable for 2 products THM and THA.

Wireframe Reference

Please refer: Talk Home your products (Desktop).pdf

Swagger Reference

Please click here for HYPERLINK "http://lab.talkhome.co.uk/swagger/ui/index.html"User Account Bundle HYPERLINK "http://lab.talkhome.co.uk/swagger/ui/index.html" HYPERLINK "http://lab.talkhome.co.uk/swagger/ui/index.html"reference

Supported HTTP Methods and URI

GET

https://lab.talkhome.co.uk/talkhome/useraccount/bundles/{productCode}/{msisdnOrCardNumber}

Header

```
User-Agent: Fiddler
Token: 3CCFDBF4AB764F9D80184AA2DF7C403D
Content-Type: application/json; charset=utf-8
Host: lab.talkhome.co.uk
```

Response


```
{
  "status": 200,
  "message": "Success",
  "payload": [
    {
            "id": "2890014f-7abd-47ed-b440-64789fda6cc3",
            "name": "1 Month THM Mins & Texts (Free)",
            "allowances": [
                {
                    "remaining": "2000 texts"
                },
                {
                    "remaining": "2000 minutes"
                }
            ],
            "expiry": "2017-07-13T12:21:16+01:00"
        },
        {
            "id": "8a39bb69-fb4e-48fe-a91c-0fa92b74169f",
```

```
            "name": "(£17) Talk 2000, Unlimited Text & 5GB Data",
            "allowances": [
                {
                    "remaining": "3000 texts"
                },
                {
                    "remaining": "1924 minutes"
                },
                {
                    "remaining": "4964700086 Data"
                }
            ],
            "expiry": "2017-07-17T11:04:13+01:00"
        }
  ],
  "errorCode": 0
}
```


6.7.4 Top Bundles

This endpoint will return the top bundles associated with a product. See the sample header, request JSON and response JSON objects. This is applicable for THM and THA.

Wireframe Reference

Please refer: HYPERLINK "https://nowtel-my.sharepoint.com/personal/mdurante_nowtel_co_uk/_layouts/15/onedrive.aspx?id=%2Fpersonal%2Fmdurante_nowtel_co_uk%2FDocuments%2FTalk%20Home%20Website%2FWireframes%2F02.%20Talk%20Home%20Mobile%20-%20Landing%20page" Talk home mobile landing page (desktop).pdf and Talk home mobile landing page (mobile).pdf

Please refer: HYPERLINK "https://nowtel-my.sharepoint.com/personal/mdurante_nowtel_co_uk/_layouts/15/onedrive.aspx?id=%2Fpersonal%2Fmdurante_nowtel_co_uk%2FDocuments%2FTalk%20Home%20Website%2FWireframes%2F03.%20Talk%20Home%20App%20-%20Landing%20page" Talk Home App landing page (desktop).pdf and Talk Home App landing page (mobile).pdf

Swagger Reference

Please click here for HYPERLINK "http://lab.talkhome.co.uk/swagger/ui/index.html"Top Bundles HYPERLINK "http://lab.talkhome.co.uk/swagger/ui/index.html" HYPERLINK "http://lab.talkhome.co.uk/swagger/ui/index.html"reference

Supported HTTP Methods and URI:

```
GET https://lab.talkhome.co.uk/common/top/bundles/{productCode}
```

Header

```
User-Agent: Fiddler
Authorization: Basic YmV0YXRlc3Q6ajZ2YlY3RWNueEN3aGV5TQ==
```

```
Content-Type: application/json; charset=utf-8
Host: lab.talkhome.co.uk
```

Response

```
THM/THA:
{
  "status": 200,
  "message": "Success",
  "payload": [
    {
      "serviceType": 0,
      "packageId": "1f14b9f5-3004-482b-88ef-82dce0d417c8",
      "packageType": 0,
      "packageCategory": 1,
      "packageName": "UK_OA_THA_Bangladesh_Bundle £10",
      "brandedName": "(£10) Bangladesh 500 Minutes",
      "description": "BD",
      "subscriptionCharge": 1000,
      "recurringCharge": 0,
      "chargePeriodLength": 30,
      "chargePeriodType": 0,
      "chargeRecurrence": 1,
      "chargeAtEndOfPeriod": false,
      "allowancePeriodType": 0,
      "allowancePeriodLength": 30,
      "allowanceRecurrence": 1,
      "fullType": "Standard Voice",
      "initialCharge": 1000,
      "commonAllowance": {
        "spend": "0.00",
        "spendMode": 1,
        "spendText": ""
      },
      "voiceAllowance": {
        "spend": "0.00",
        "spendMode": 1,
        "spendText": "",
        "calls": 0,
        "callsMode": 1,
        "callsText": "",
        "seconds": 30000,
        "secondsMode": 1,
        "secondsText": ""
      },
      "smsAllowance": {
        "spend": "0.00",
        "spendMode": 1,
        "spendText": "",
        "messages": 0,
        "messagesMode": 1,
        "messagesText": ""
      },
      "mmsAllowance": {
        "spend": "0.00",
        "spendMode": 1,
        "spendText": "",
        "messages": 0,
        "messagesMode": 1,
        "messagesText": ""
      },
      "gprsAllowance": {
        "spend": "0.00",
        "spendMode": 1,
        "spendText": "",
        "bytes": 0,
        "bytesMode": 1,
```

```
        "bytesText": ""
      }
    }
  ],
  "errorCode": 0
}
```


Response (No top Bundles)


```
THM/THA:
{
  "status": 200,
  "message": "No bundles found",
  "errorCode": 0
}
```


7.0 LIST OF RESOURCES

7.0.1 Reference of Wireframe

The table below outlines the request method and URI for each endpoint. Click the URI Name to go to the relevant wireframe.

No.	URI NAME	URI
Authentication Resources		
1	**Sign Up**	POST https://lab.talkhome.co.uk/talkhome/useraccount/signup
2	**Login**	POST https://lab.talkhome.co.uk/talkhome/useraccount/login
3	**Reset Password Step 1**	POST https://lab.talkhome.co.uk/talkhome/useraccount/resetpassword/start
4	**Reset Password Step 2**	POST https://lab.talkhome.co.uk/talkhome/useraccount/resetpassword/start
5	**Reset Password Final Step**	POST https://lab.talkhome.co.uk/talkhome/useraccount/resetpassword/start
Product Resources		

6	**Add Product**	POST https://lab.talkhome.co.uk/talkhome/product/{productCode}/add
7	**Remove Product**	POST https://lab.talkhome.co.uk/talkhome/product/{productCode}/remove
8	**Register Product**	POST https://lab.talkhome.co.uk/talkhome/product/registration
9	**User Product Summary**	GET https://lab.talkhome.co.uk/talkhome/product/{productCode}
Account Resources		
10	**Update User Address**	POST https://lab.talkhome.co.uk/update/address/{addressType}
11	**User Account Summary**	GET https://lab.talkhome.co.uk/talkhome/products/{productCode}
History Resources		
12	**Call History Total Pages**	POST https://lab.talkhome.co.uk/history/call/totalpages
13	**Call History**	POST https://lab.talkhome.co.uk/history/call
14	**SMS Total Pages (No Wireframe)**	POST https://lab.talkhome.co.uk/history/sms/totalpages
1	**SMS History (No Wireframe)**	POST https://lab.talkhome.co.uk/history/sms

5		
16	**Data Total Pages (No Wireframe)**	POST https://lab.talkhome.co.uk/history/data/totalpages
17	**Data History (No Wireframe)**	POST https://lab.talkhome.co.uk/history/data
18	**Payment Total HYPERLINK "https://nowtel-my.sharepoint.com/personal/mdurante_nowtel_co_uk/_layouts/15/onedrive.aspx?FolderCTID=0x012000094F6EF3108D3C479A4206814B80B091&id=%2Fpersonal%2Fmdurante_nowtel_co_uk%2FDocuments%2FTalk%20Home%20Website%2FWireframes%2F13.%20User%20Account%20-%20Payment%20History" HYPERLINK "https://nowtel-my.sharepoint.com/personal/mdurante_nowtel_co_uk/_layouts/15/onedrive.aspx?FolderCTID=0x012000094F6EF3108D3C479A4206814B80B091&id=%2Fpersonal%2Fmdurante_nowtel_co_uk%2FDocuments%2FTalk%20Home%20Website%2FWireframes%2F13.%20User%20Account%20-%20Payment%20History"Pages**	POST https://lab.talkhome.co.uk/history/payment/totalpages
19	**Payment History**	POST https://lab.talkhome.co.uk/history/payment
	Rates Resources	
20	**THM Standard International List**	POST https://lab.talkhome.co.uk/rates/common/standard/international/list
21	**THA Standard International List**	POST https://lab.talkhome.co.uk/rates/userAccount/standard/international/list
	THM International Top Rates	POST https://lab.talkhome.co.uk/rates/common/standard/internat

22		ional/toprates
23	THA International Top Rates	POST https://lab.talkhome.co.uk/rates/userAccount/standard/international/toprates
24	Standard International Destination	GET https://lab.talkhome.co.uk/rates/{productCode}/standard/international/destinations
25	Standard International Rates by Destination HYPERLINK "https://nowtel-my.sharepoint.com/personal/mdurante_nowtel_co_uk/_layouts/15/onedrive.aspx?FolderCTID=0x012000094F6EF3108D3C479A4206814B80B091&id=%2Fpersonal%2Fmdurante_nowtel_co_uk%2FDocuments%2FTalk%20Home%20Website%2FWireframes%2F06.%20Talk%20Home%20Mobile%20-%20Rates"ID	GET https://lab.talkhome.co.uk/rates/{productCode}/standard/international/rates/{des_id}
26	UK Save plan destination	GET https://lab.talkhome.co.uk/rates/thm/uksaveplan/destinations
27	UK Save plan rates by destination id	GET https://lab.talkhome.co.uk/rates/thm/uksaveplan/{des_id}
28	UK Save plan top rates	GET https://lab.talkhome.co.uk/rates/thm/uksaveplan/toprates
29	UK Rates	GET https://lab.talkhome.co.uk/rates/thm/u

		k
30	THCC T HYPERLINK "https://nowtel-my.sharepoint.com/personal/mdurante_nowtel_co_uk/_layouts/15/onedrive.aspx?id=%2Fpersonal%2Fmdurante_nowtel_co_uk%2FDocuments%2FTalk%20Home%20Website%2FWireframes%2F04.%20Calling%20Cards%20-%20Landing%20page"op Minutes	GET https://lab.talkhome.co.uk/rates/thcc/topminutes
31	Roaming Destinations	GET https://lab.talkhome.co.uk/rates/roaming/destinations
32	Roaming Rates by Destination Id.	GET https://lab.talkhome.co.uk/rates/roaming/rates/{id}
Sim Resources		
33	**Order Sim**	POST https://lab.talkhome.co.uk/talkhome/sim/order/new
Bundle Resources		
34	Compatible Bundle	GET https://lab.talkhome.co.uk/talkhome/bundle/list/{productCode}/{msisdnOrCardNumber}
35	**Add Bundle**	POST https://lab.talkhome.co.uk/talkhome/thm/bundles/add
36	User Account Bundles	GET https://lab.talkhome.co.uk/useraccount/bundles/{productCode}/{msisdnOrCardNumber}
37	Top Bundles	GET https://lab.talkhome.co.uk/common/top/bundles/{productCode}