flash

Partner API v4

API Manager

Contact Integrations

For any queries relating to this document or products and services of **Flash**, please contact:

integrations@flash-group.com

1   Overview

With the Flashswitch API provides access to Flash products and services. We have integrations available for Direct Merchants and Payment Service Providers. Should you have any queries, please contact integrations@flash-group.com.

1.1   Authentication

All requests require API bearer authentication using OAuth 2.0. The API keys for sandbox and production will be provided by the Flash Integrations Team.

1.1.1   Generating an Access Token

Flash Integrations will have provided your organisation with an API Key for Sandbox and/or Production. Run the following command (replacing the *consumer-key:consumer-secret* with the API Key*) and an Access token will be provided in the response, as well as the time in seconds that the token is valid for (3600 seconds):

*curl -k -d "grant_type=client_credentials" *

> *-H "Authorization: Basic Base64(consumer-key:consumer-secret)" *
> *https://api.flashswitch.flash-group.com/token*

When testing in a Sandbox environment, make sure to use your Sandbox token. When you are ready to send live transactions, you can switch to the Production token. If authorization errors occur due to an expired token or you feel your token may have been compromised, please generate a new token.

1.1.2   Authenticating an API call

To successfully send through API requests using Flashswitch, the Access token must be sent with every API call. To authenticate an API request, the following Header parameters must be sent.

1.1.2.1   Request Parameters

Parameter	Value
Accept	application/json
Authentication	Bearer Access Token

1.1.2.2   Example Request and Response

Request Example	Response Example

{
  "Accept": "application/json",
  "Authorization": "Bearer be7354bb-ce43-3d5a-b320-111d676becea"
}
	{
	  "content-type": "text/plain; charset=UTF-8"
	}

1.2   Error Handling
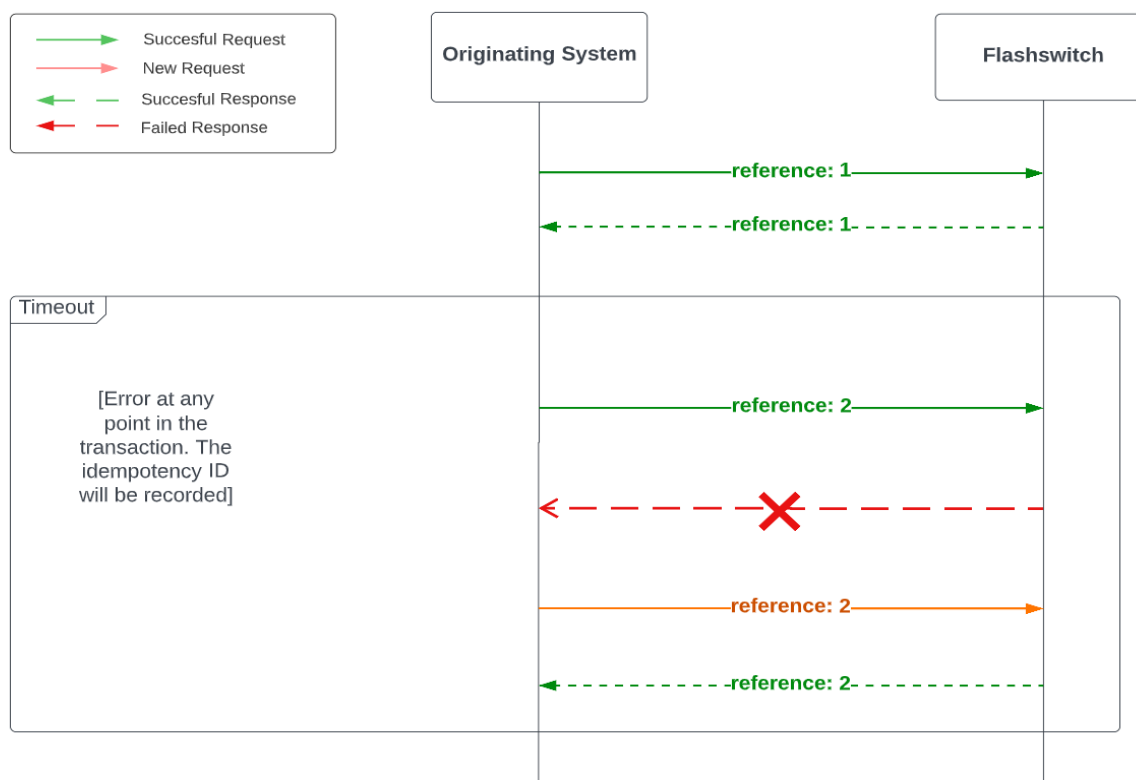
1.2.1   Response Codes

For a response to be successful, the HTTP status code 200 must be returned and the JSON must contain the key: **responseCode** with a value of 0.

A response will be unsuccessful if the HTTP status code is not 200 or an HTTP status code 200 is returned but the **responseCode** does not have a value of 0.

When the API call is unsuccessful (the **responseCode** is not 0), despite an HTTP status code 200, this may be because one of our intermediary systems is returning an error.

1.2.2   Idempotent Requests

The endpoints exposed in this API are enabled with idempotency meaning that any subsequent request sent with the same **reference** as the initial request shall return the response of the initial request. This is available for 30 minutes from the initial request. This is useful in instances where there was a break in connection on the response back e.g. Timeout. To make use of the idempotency, the same **reference** needs to be supplied in any subsequent requests or retries. The figure below shows an example flow of an idempotent request.

2   API Reference

2.1   Base URL

The base URL for this API is as follows: **https://api.flashswitch.flash-group.com/v4**

2.2   Accounts

The Accounts resource group provides non-product specific queries and actions relating an account. The following endpoints are available for Accounts:

2.2.1   List Products

HTTP Method	Endpoint
GET	Base URL/accounts/{accountNumber}/products

2.2.2   Example Request and Response

For a request and response example, please refer to the Product List request and response.

2.2.3   Lookup a Product

HTTP Method	Endpoint
GET	Base URL/accounts/{accountNumber}/products/{productCode}

2.2.4   Example Request and Response

For a request and response example, please refer to the Product Lookup request and response.

2.3   1Voucher

The 1Voucher product group provides the ability to access 1Voucher services, this includes purchasing, disbursing, redeeming and refunding a redemption of a 1Voucher. The following endpoints are available for 1Voucher:

2.3.1   Purchase a 1Voucher

HTTP Method	Endpoint
POST	Base URL/1voucher/purchase

2.3.1.1   Request Parameters

Parameter	Data Type	Required	Format	Description
reference	String	Yes	Only **-,.,=** and **alphanumeric characters** allowed	**Client-defined reference number** Must be unique for all transactions.
accountNumber	String	Yes	**Alphanumeric characters** allowed	The **account number** of the Merchant.
amount	Integer	Yes	**Cents**	**The value of the voucher being redeemed.** The currency is "ZAR" and the value is in cents. "0" value will redeem the full value of the voucher.
metadata	Set of Key Value Pairs	No	**Up to 9 properties.** Property name up to 10 characters. Property value up to 43 characters	**Set of key-value pairs.** This can be useful for storing additional information about the transaction in a structured format. e.g. key-value pair: storeID and value could be used to identify Voucher redemptions at a store level.

2.3.1.2   Example Request and Response

For a request and response example, please refer to the 1Voucher Purchase request and response.

2.3.2   Disburse a 1Voucher

HTTP Method	Endpoint
POST	Base URL/1voucher/disburse

2.3.2.1   Request Parameters

Parameter	Data Type	Required	Format	Description
reference	String	Yes	Only -,.,= and **alphanumeric characters** allowed	**Client-defined reference number** Must be unique for all transactions.
accountNumber	String	Yes	**Alphanumeric characters** allowed	The **account number** of the Merchant.
amount	Integer	Yes	**Cents**	**The value of the voucher being redeemed.** The currency is "ZAR" and the value is in cents. "0" value will redeem the full value of the voucher.
metadata	Set of Key Value Pairs	No	**Up to 9 properties.** Property name up to 10 characters. Property value up to 43 characters	**Set of key-value pairs.** This can be useful for storing additional information about the transaction in a structured format. e.g. key-value pair: storeID and value could be used to identify Voucher redemptions at a store level.

2.3.2.2   Example Request and Response

For a request and response example, please refer to the 1Voucher Disbursement request and response.

2.3.3   Redeem a 1Voucher

HTTP Method	Endpoint
POST	Base URL/1voucher/redeem

2.3.3.1   Request Parameters

Parameter	Data Type	Required	Format	Description
reference	String	Yes	Only **-,.,=** and **alphanumeric characters** allowed	**Client-defined reference number** Must be unique for all transactions.
accountNumber	String	Yes	**Alphanumeric characters** allowed	The **account number** of the Merchant.
pin	String	Yes	**16 digits**	The **pin of the voucher** to be redeemed
amount	Integer	Yes	**Cents**	**The value of the voucher being redeemed.** The currency is "ZAR" and the value is in cents. "0" value will redeem the full value of the voucher.
mobileNumber	String	No	**11 Digits** (27 Country Code with no leading 0)	For a **Partial Redemption/Change Voucher** where the redeemed amount is less than the Voucher value, the new Voucher will be sent as an SMS to the mobileNumber provided. If no mobileNumber is supplied, the Voucher will be returned in the response.
metadata	Set of Key Value Pairs	No	**Up to 9 properties.** Property name up to 10 characters. Property value up to 43 characters	**Set of key-value pairs.** This can be useful for storing additional information about the transaction in a structured format. e.g. key-value pair: storeID and value could be used to identify Voucher redemptions at a store level.

2.3.3.2   Example Request and Response

For a request and response example, please refer to the 1Voucher Redemption request and response.

2.3.4   Refund a 1Voucher Redemption

HTTP Method	Endpoint
POST	[Base URL](#)/1voucher/refund

2.3.4.1   Request Parameters

Parameter	Data Type	Required	Format	Description
reference	String	Yes	Only -,.,= and **alphanumeric characters** allowed	**Client-defined reference number** Must be unique for all transactions.
accountNumber	String	Yes	**Alphanumeric characters** allowed	The **account number** of the Merchant.
amount	Integer	Yes	**Cents**	**The value of the voucher being redeemed.** The currency is "ZAR" and the value is in cents. "0" value will redeem the full value of the voucher.
mobileNumber	String	No	**11 Digits** (27 Country Code with no leading 0)	For a **Refund**, the new Voucher will be sent as an SMS to the mobileNumber provided. If no mobileNumber is supplied, the Voucher will be returned in the response.
metadata	Set of Key Value Pairs	No	**Up to 9 properties.** Property name up to 10 characters. Property value up to 43 characters	**Set of key-value pairs.** This can be useful for storing additional information about the transaction in a structured format. e.g. key-value pair: storeID and value could be used to identify Voucher redemptions at a store level.

2.3.4.2   Example Request and Response

For a request and response example, please refer to the [1Voucher Refund request and response.](#)

2.4 Gift Vouchers

The Gift Vouchers product group provides the ability to purchase Gift Voucher products. The following endpoints are available for Gift Vouchers:

2.4.1 Purchase a Gift Voucher

HTTP Method	Endpoint
POST	Base URL/gift-vouchers/purchase

2.4.1.1 Request Parameters

Parameter	Data Type	Required	Format	Description
reference	String	Yes	Only -,.,= and **alphanumeric characters** allowed	**Client-defined reference number** Must be unique for all transactions.
accountNumber	String	Yes	**Alphanumeric characters** allowed	The **account number** of the Merchant.
amount	Integer	Yes	**Cents**	**The value of the voucher being purchased.** The currency is "ZAR" and the value is in cents.
productCode	Integer	Yes	**Positive Integers** allowed.	A **Flash assigned unique product identifier** that identifies a specific Gift Voucher product being purchased.
storeId	String	Yes	**Alphanumeric characters** allowed	**The store where the Gift Voucher was purchased.** For Merchants with **Digital** channels, this will be a single value. For Merchants with **Physical** Store locations, each individual storeId will need to be sent in the request.
terminalId	String	Yes	**Alphanumeric characters** allowed	**The till in the store where the Gift Voucher was purchased.** For Merchants with **Digital** channels, this will be a single value. For Merchants with **Physical** store locations, each individual terminalId will need to be sent in the request.
barcode	String	No	**Alphanumeric characters** allowed	The **manufacturer barcode** of the Gift Voucher being purchased.
metadata	Set of Key Value Pairs	No	**Up to 9 properties.** Property name up to 10 characters. Property value up to 43 characters	**Set of key-value pairs.** This can be useful for storing additional information about the transaction in a structured format. e.g. key-value pair: storeID and value could be used to identify Voucher redemptions at a store level.

2.4.1.2 Example Request and Response

For a request and response example, please refer to the Gift Voucher Purchase request and response.

2.5   Cash Out PIN

The Cash Out PIN product group provides the ability to access Cash Out PIN services, this includes purchasing and cancelling the purchase of a Cash Out PIN. The following endpoints are available for Cash Out PIN:

2.5.1   Purchase a Cash Out PIN

HTTP Method	Endpoint
POST	[Base URL](#)/cash-out-pin/purchase

2.5.1.1   Request Parameters

Parameter	Data Type	Required	Format	Description
reference	String	Yes	Only -,.,= and **alphanumeric characters** allowed	**Client-defined reference number** Must be unique for all transactions.
accountNumber	String	Yes	**Alphanumeric characters** allowed	The **account number** of the Merchant.
amount	Integer	Yes	**Cents**	**The value of the voucher being purchased.** The currency is "ZAR" and the value is in cents.
productCode	Integer	Yes	**Positive Integers** allowed.	A **Flash assigned unique product identifier** that identifies the Cash Out PIN product assigned to a Merchant account.
metadata	Set of Key Value Pairs	No	**Up to 9 properties.** Property name up to 10 characters. Property value up to 43 characters	**Set of key-value pairs.** This can be useful for storing additional information about the transaction in a structured format. e.g. key-value pair: storeID and value could be used to identify Voucher redemptions at a store level.

2.5.1.2   Example Request and Response

For a request and response example, please refer to the [Cash Out PIN purchase request and response.](#)

2.5.2   Cancel a Cash Out PIN Purchase

HTTP Method	Endpoint
POST	Base URL/cash-out-pin/cancel

2.5.2.1   Request Parameters

Parameter	Data Type	Required	Format	Description
reference	String	Yes	Only -,.,= and **alphanumeric characters** allowed	**Client-defined reference number** Must be unique for all transactions.
accountNumber	String	Yes	**Alphanumeric characters** allowed	The **account number** of the Merchant.
serial	String	Yes	**Alphanumeric characters** allowed	**The serial number** issued for the Cash out PIN. This is used to identify the Voucher being cancelled.
productCode	Integer	Yes	**Positive Integers** allowed.	A **Flash assigned unique product identifier** that identifies the Cash Out PIN product assigned to a Merchant account.
metadata	Set of Key Value Pairs	No	**Up to 9 properties.** Property name up to 10 characters. Property value up to 43 characters	**Set of key-value pairs.** This can be useful for storing additional information about the transaction in a structured format. e.g. key-value pair: storeID and value could be used to identify Voucher redemptions at a store level.

2.5.2.2   Example Request and Response

For a request and response example, please refer to the Cash Out Pin Cancellation request and response.

2.6 Cellular

The Cellular product group provides the ability to access Cellular services. This currently includes purchasing of Pinless Recharges. The following endpoints are available for Cellular:

2.6.1 Purchase a Cellular Pinless Recharge

HTTP Method	Endpoint
POST	[Base URL](#)/cellular/pinless/purchase

2.6.1.1 Request Parameters

Parameter	Data Type	Required	Format	Description
reference	String	Yes	Only -,.,= and **alphanumeric characters** allowed	**Client-defined reference number** Must be unique for all transactions.
subAccountNumber	String	Yes	**Alphanumeric characters** allowed	The **account number** of the Merchant.
amount	Integer	Yes	**Cents**	**The value of the recharge being purchased.** The currency is "ZAR" and the value is in cents.
productCode	Integer	Yes	**Positive Integers** allowed.	A **Flash assigned unique product identifier** that identifies a specific Cellular product being purchased.
mobileNumber	String	Yes	**11 Digits** (27 Country Code with no leading 0)	The **mobile number** that the recharge is being requested for.
metadata	Set of Key Value Pairs	No	**Up to 9 properties.** Property name up to 10 characters. Property value up to 43 characters	**Set of key-value pairs.** This can be useful for storing additional information about the transaction in a structured format. e.g. key-value pair: storeID and value could be used to identify Voucher redemptions at a store level.

2.6.1.2 Example Request and Response

For a request and response example, please refer to the [Cellular Pinless Recharge request and response](#).

2.7   Eezi Voucher

The Eezi Voucher product group provides the ability to access Eezi Voucher services. This currently only includes purchasing of Eezi Airtime. The following endpoints are available for Eezi Voucher:

2.7.1   Purchase an Eezi Voucher

HTTP Method	Endpoint
POST	[Base URL](#)/eezi-voucher/purchase

2.7.1.1   Request Parameters

Parameter	Data Type	Required	Format	Description
reference	String	Yes	Only -,.,= and **alphanumeric characters** allowed	**Client-defined reference number** Must be unique for all transactions.
accountNumber	String	Yes	**Alphanumeric characters** allowed	The **account number** of the Merchant.
amount	Integer	Yes	**Cents**	**The value of the voucher being purchased.** The currency is "ZAR" and the value is in cents.
productCode	Integer	Yes	**Positive Integers** allowed.	A **Flash assigned unique product identifier** that identifies a specific Eezi Voucher product being purchased.
metadata	Set of Key Value Pairs	No	**Up to 9 properties.** Property name up to 10 characters. Property value up to 43 characters	**Set of key-value pairs.** This can be useful for storing additional information about the transaction in a structured format. e.g. key-value pair: storeID and value could be used to identify Voucher redemptions at a store level.

2.7.1.2   Example Request and Response

For a request and response example, please refer to the [Eezi Voucher Purchase request and response.](#)

2.8   Prepaid Utilities

The Prepaid Utilities product group provides the ability to access Prepaid Utility services. This currently includes purchasing of Water & Electricity vouchers.

Please note: Purchasing a Water & Electricity Voucher requires two steps: The meter lookup must be done first to initiate the purchase, followed by the purchase request by sending the original lookup requests **transactionID**. The following endpoints are available for Prepaid Utilities.

2.8.1   Look up a Meter Number

HTTP Method	Endpoint
POST	Base URL/prepaid-utilities/lookup

2.8.1.1   Request Parameters

Parameter	Data Type	Required	Format	Description
reference	String	Yes	Only **-,.,=** and **alphanumeric characters** allowed	**Client-defined reference number** Must be unique for all transactions.
accountNumber	String	Yes	**Alphanumeric characters** allowed	The **account number** of the Merchant.
amount	Integer	Yes	**Cents**	**The value of the voucher being purchased.** The currency is "ZAR" and the value is in cents.
meterNumber	String	Yes	**Alphanumeric characters** allowed	The **meter number** that the purchase is being requested for.
isFBE	Boolean	No	**true** or **false**	Identifies if the purchase request is for **Free Basic Electricity**. The default value is **false** if this parameter is not sent in the request.
metadata	Set of Key Value Pairs	No	**Up to 9 properties.** Property name up to 10 characters. Property value up to 43 characters	**Set of key-value pairs.** This can be useful for storing additional information about the transaction in a structured format. e.g. key-value pair: storeID and value could be used to identify Voucher redemptions at a store level.

2.8.2 Purchase a Prepaid Utility Voucher

HTTP Method	Endpoint
POST	Base URL/prepaid-utilities/purchase

2.8.2.1 Request Parameters

Parameter	Data Type	Required	Format	Description
reference	String	Yes	Only **-,.,=** and **alphanumeric characters** allowed	**Client-defined reference number** Must be unique for all transactions.
accountNumber	String	Yes	**Alphanumeric characters** allowed	The **account number** of the Merchant.
amount	Integer	Yes	**Cents**	**The value of the voucher being purchased.** The currency is "ZAR" and the value is in cents.
transactionID	Integer	Yes	**Positive Integers** allowed.	The **transaction ID from the original meter lookup.** The meter number and FBE flag of the original lookup will be used to validate the purchase.
metadata	Set of Key Value Pairs	No	**Up to 9 properties.** Property name up to 10 characters. Property value up to 43 characters	**Set of key-value pairs.** This can be useful for storing additional information about the transaction in a structured format. e.g. key-value pair: storeID and value could be used to identify Voucher redemptions at a store level.

2.8.2.2 Example Request and Response

For a request and response example, please refer to the Prepaid Utility Voucher Purchase request and response.

3 Example Requests and Responses

3.1.1 List Products

Request Example	Response Example

{}	```[
	  {
	    "productCode": 0,
	    "productName": "string",
	    "minimumAmount": 0,
	    "maximumAmount": 0,
	    "status": "string"
	  }
	]```

3.1.2 Lookup a Product

Request Example	Response Example

{}	```{
	  "id": 0,
	  "productCode": 0,
	  "productName": "string",
	  "minimumAmount": 0,
	  "maximumAmount": 0,
	  "status": 0,
	  "supplierName": "string",
	  "supplierCode": 0,
	  "vendorName": "string",
	  "vendorCode": 0,
	  "productType": 0,
	  "productUPC": "string",
	  "redemptionInstructions": "string",
	  "termsAndConditions": "string",
	  "productParameters": {
	    "additionalProp1": "string",
	    "additionalProp2": "string",
	    "additionalProp3": "string"
	  },
	  "created": "2023-03-15T09:07:02.246Z",
	  "updated": "2023-03-15T09:07:02.246Z"
	}```

3.1.3   Purchase a 1Voucher

Request Example	Response Example

```{```
 ```"reference": "string",```
 ```"accountNumber": "string",```
 ```"amount": 0,```
 ```"metadata": {```
 ```"additionalProp1": "string",```
 ```"additionalProp2": "string",```
 ```"additionalProp3": "string"```
 ```},```
 ```}```
	```"responseCode": 0,```
	 ```"responseMessage": "string",```
	 ```"accountNumber": "string",```
	 ```"reference": "string",```
	 ```"amount": 0,```
	 ```"transactionDate": "string",```
	 ```"transactionId": "string",```
	 ```"metadata": {```
	 ```"additionalProp1": "string",```
	 ```"additionalProp2": "string",```
	 ```"additionalProp3": "string"```
	 ```},```
	 ```"voucher": {```
	 ```"amount": 0,```
	 ```"expiryDate": "string",```
	 ```"pin": "string",```
	 ```"serialNumber": "string",```
	 ```"content": {```
	 ```"redemptionInstructions": "string",```
	 ```"termsAndConditions": "string"```
	 ```}```
	 ```}```
	 ```}```

3.1.4   Disburse a 1Voucher

Request Example	Response Example

```{```
 ```"reference": "string",```
 ```"accountNumber": "string",```
 ```"amount": 0,```
 ```"metadata": {```
 ```"additionalProp1": "string",```
 ```"additionalProp2": "string",```
 ```"additionalProp3": "string"```
 ```},```
 ```}```
	```"responseCode": 0,```
	 ```"responseMessage": "string",```
	 ```"accountNumber": "string",```
	 ```"reference": "string",```
	 ```"amount": 0,```
	 ```"transactionDate": "string",```
	 ```"transactionId": "string",```
	 ```"metadata": {```
	 ```"additionalProp1": "string",```
	 ```"additionalProp2": "string",```
	 ```"additionalProp3": "string"```
	 ```},```
	 ```"voucher": {```
	 ```"amount": 0,```
	 ```"expiryDate": "string",```
	 ```"pin": "string",```
	 ```"serialNumber": "string",```
	 ```"content": {```
	 ```"redemptionInstructions": "string",```
	 ```"termsAndConditions": "string"```
	 ```}```
	 ```}```
	 ```}```

3.1.5   Redeem a 1Voucher

Request Example	Response Example

<pre>{
 "reference": "string",
 "accountNumber": "string",
 "amount": 0,
 "mobileNumber": "string",
 "metadata": {
   "additionalProp1": "string",
   "additionalProp2": "string",
   "additionalProp3": "string"
 },
}</pre>
	<pre>{
	 "responseCode": 0,
	 "responseMessage": "string",
	 "accountNumber": "string",
	 "reference": "string",
	 "amount": 0,
	 "transactionDate": "string",
	 "transactionId": "string",
	 "metadata": {
	   "additionalProp1": "string",
	   "additionalProp2": "string",
	   "additionalProp3": "string"
	 },
	 "voucher": {
	   "amount": 0,
	   "expiryDate": "string",
	   "pin": "string",
	   "serialNumber": "string",
	   "content": {
	     "redemptionInstructions": "string",
	     "termsAndConditions": "string"
	   }
	 }
	}</pre>

3.1.6   Refund a 1Voucher Redemption

Request Example	Response Example

<pre>{
 "reference": "string",
 "accountNumber": "string",
 "amount": 0,
 "mobileNumber": "string",
 "metadata": {
   "additionalProp1": "string",
   "additionalProp2": "string",
   "additionalProp3": "string"
 }
}</pre>
	<pre>{
	 "responseCode": 0,
	 "responseMessage": "string",
	 "accountNumber": "string",
	 "reference": "string",
	 "amount": 0,
	 "transactionDate": "string",
	 "transactionId": "string",
	 "metadata": {
	   "additionalProp1": "string",
	   "additionalProp2": "string",
	   "additionalProp3": "string"
	 },
	 "voucher": {
	   "amount": 0,
	   "expiryDate": "string",
	   "pin": "string",
	   "serialNumber": "string",
	   "content": {
	     "redemptionInstructions": "string",
	     "termsAndConditions": "string"
	   }
	 }
	}</pre>

3.1.7   Purchase a Gift Voucher

Request Example	Response Example
| ```json
{
 "reference": "string",
 "accountNumber": "string",
 "amount": 0,
 "storeId": "string",
 "productCode": "0",
 "terminalId": "string",
 "barcode": "string",
 "metadata": {
   "additionalProp1": "string",
   "additionalProp2": "string",
   "additionalProp3": "string"
 }
}
``` | ```json
{
 "responseCode": 0,
 "responseMessage": "string",
 "accountNumber": "string",
 "reference": "string",
 "amount": 0,
 "transactionDate": "string",
 "transactionId": "string",
 "metadata": {
   "additionalProp1": "string",
   "additionalProp2": "string",
   "additionalProp3": "string"
 },
 "voucher": {
   "amount": 0,
   "expiryDate": "string",
   "pin": "string",
   "serialNumber": "string",
   "content": {
     "redemptionInstructions": "string",
     "termsAndConditions": "string"
   }
 }
}
``` |

3.1.8   Purchase a Cash Out PIN

Request Example	Response Example
| ```json
{
 "reference": "string",
 "accountNumber": "string",
 "amount": 0,
 "productCode": "0",
 "metadata": {
   "additionalProp1": "string",
   "additionalProp2": "string",
   "additionalProp3": "string"
 }
}
``` | ```json
{
 "responseCode": 0,
 "responseMessage": "string",
 "accountNumber": "string",
 "reference": "string",
 "amount": 0,
 "transactionDate": "string",
 "transactionId": "string",
 "metadata": {
   "additionalProp1": "string",
   "additionalProp2": "string",
   "additionalProp3": "string"
 },
 "voucher": {
   "amount": 0,
   "expiryDate": "string",
   "pin": "string",
   "serialNumber": "string",
   "content": {
     "redemptionInstructions": "string",
     "termsAndConditions": "string"
   }
 }
}
``` |

3.1.9 Cancel a Cash Out PIN Purchase

Request Example	Response Example

``
{
  "reference": "string",
  "accountNumber": "string",
  "serialNumber": "0",
  "productCode": "0",
  "metadata": {
    "additionalProp1": "string",
    "additionalProp2": "string",
    "additionalProp3": "string"
  }
}
``
	TBC

3.1.10 Purchase a Cellular Pinless Recharge

Request Example	Response Example

``
{
  "reference": "string",
  "accountNumber": "string",
  "amount": 0,
  "mobileNumber": 0,
  "metadata": {
    "additionalProp1": "string",
    "additionalProp2": "string",
    "additionalProp3": "string"
  }
}
``
	``
	{
	  "responseCode": 0,
	  "responseMessage": "string",
	  "accountNumber": "string",
	  "reference": "string",
	  "amount": 0,
	  "transactionDate": "string",
	  "transactionId": "string",
	  "metaData": {
	    "additionalProp1": "string",
	    "additionalProp2": "string",
	    "additionalProp3": "string"
	  },
	  "rechargeDetails": {
	    "rechargeType": "string",
	    "callCentre": "string",
	    "rechargeVendor": "string"
	  }
	}
	``

3.1.11 Purchase an Eezi Voucher

Request Example	Response Example

<pre>{
 "reference": "string",
 "accountNumber": "string",
 "amount": 0,
 "productCode": "0",
 "metadata": {
   "additionalProp1": "string",
   "additionalProp2": "string",
   "additionalProp3": "string"
 }
}</pre>
	<pre>{
	 "responseCode": 0,
	 "responseMessage": "string",
	 "accountNumber": "string",
	 "reference": "string",
	 "amount": 0,
	 "transactionDate": "string",
	 "transactionId": "string",
	 "metadata": {
	   "additionalProp1": "string",
	   "additionalProp2": "string",
	   "additionalProp3": "string"
	 },
	 "voucher": {
	   "amount": 0,
	   "expiryDate": "string",
	   "pin": "string",
	   "serialNumber": "string",
	   "content": {
	     "redemptionInstructions": "string",
	     "termsAndConditions": "string"
	   }
	 }
	}</pre>

3.1.12 Lookup a Meter Number

Request Example	Response Example

{
 "reference": "string",
 "accountNumber": "string",
 "amount": 0,
 "meterNumber": string,
 "isFBE": true,
 "metadata": {
   "additionalProp1": "string",
   "additionalProp2": "string",
   "additionalProp3": "string"
 }
}
	{
	 "responseCode": 0,
	 "responseMessage": "string",
	 "accountNumber": "string",
	 "reference": "string",
	 "amount": 0,
	 "transactionDate": "string",
	 "transactionId": "string",
	 "metadata": {
	   "additionalProp1": "string",
	   "additionalProp2": "string",
	   "additionalProp3": "string"
	 },
	 "billingInfo": {
	   "arrearValue": 0,
	   "arrearDesc": "string",
	   "maximumVendValue": 0,
	   "minimumVendValue": 0,
	   "tariffName": "string"
	 },
	 "meterInfo": {
	   "algorithmCode": "string",
	   "customerInfo": {
	     "address": "string",
	     "name": "string"
	   },
	   "keyRevisionNumber": "string",
	   "meterNumber": "string",
	   "supplyGroupCode": "string",
	   "tariffIndex": "string",
	   "tokenTechnology": "string",
	   "utilityInfo": {
	     "address": "string",
	     "callCentre": "string",
	     "name": "string",
	     "vatNumber": "string"
	   }
	 },
	 "isFBE": true
	}

3.1.13 Purchase a Prepaid Utility Voucher

Request Example	Response Example

<pre>{
 "reference": "string",
 "accountNumber": "string",
 "amount": 0,
 "transactionID": 0,
 "metadata": {
  "additionalProp1": "string",
  "additionalProp2": "string",
  "additionalProp3": "string"
 }
}</pre>
	<pre>{
	 "responseCode": 0,
	 "responseMessage": "string",
	 "accountNumber": "string",
	 "reference": "string",
	 "amount": 0,
	 "transactionDate": "string",
	 "transactionId": "string",
	 "metadata": {
	  "additionalProp1": "string",
	  "additionalProp2": "string",
	  "additionalProp3": "string"
	 },
	 "billingInfo": {
	  "arrearValue": 0,
	  "arrearDesc": "string",
	  "maximumVendValue": 0,
	  "minimumVendValue": 0,
	  "tariffName": "string"
	 },
	 "debt": {
	  "value": 0,
	  "description": "string",
	  "outstanding": "string",
	  "tariffDescription": "string",
	  "tax": 0,
	  "taxInvoiceNumber": "string"
	 },
	 "fixedCost": [
	  {
	   "value": 0,
	   "description": "string",
	   "tariffDescription": "string",
	   "tax": 0
	  }
	],
	 "keyChangeTokenData": {
	  "newKeyRevisionNumber": "string",
	  "newSupplyGroupCode": "string",
	  "newTariffIndex": "string",
	  "oldKeyRevisionNumber": "string",
	  "oldSupplyGroupCode": "string",
	  "oldTariffIndex": "string"
	 },
	 "meterInfo": {
	  "algorithmCode": "string",
	  "customerInfo": {
	   "address": "string",
	   "name": "string"
	  },
	  "keyRevisionNumber": "string",
	  "meterNumber": "string",
	  "supplyGroupCode": "string",
	  "tariffIndex": "string",
	  "tokenTechnology": "string",
	  "utilityInfo": {
	   "address": "string",
	   "callCentre": "string",
	   "name": "string",
	   "vatNumber": "string"
	  }
	 },
	 "tariffBlocks": [
	  {
	   "name": "string"</pre>

```
     }
   ],
   "tokens": [
     {
       "value": 0,
       "tariffDescription": "string",
       "tariffName": "string",
       "tax": 0,
       "token": "string",
       "tokenDescription": "string",
       "type": "string",
       "units": {
         "description": "string",
         "quantity": 0,
         "unitType": "string"
       }
     }
   ]
}
```

4   Change Log

4.1   March 2023

- Added V4 Base structure (Draft Version).