

# UPS API Specification for LIB 3<sup>rd</sup> Party Bill payments

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The purpose of this API document is to facilitate the integration between Vite-Lion Bank UPS and third party Billing systems. The API enables account-to-account transactions on Lion Bank.

## PROTOCOL

The API specification document describes a middleware that uses the standard HTTP RESTful Web Service protocol. All methods are designed to be synchronous and session-less, meaning that each request is self-contained and receives a single synchronous response. The service can be accessed through the access point specified in the following scheme:

- [http://{LIB\\_UPS\\_API\\_BASE\\_URL}/{METHOD}](http://{LIB_UPS_API_BASE_URL}/{METHOD})  
{METHOD} relates to the specific method name to be used in the integration

And a **token** should be specified on the header.

## DATA FORMAT

Both the requests and the responses shall use a standard JSON data format.

### 1. Search Bills

➤ An API for search a bill by biller Id/name/phone/short\_code/Customer Id or other keys.

- **Endpoint:** [http://{LIB\\_UPS\\_API\\_BASE\\_URL}/api/ups/search/bills?keyword='searched text'](http://{LIB_UPS_API_BASE_URL}/api/ups/search/bills?keyword='searched text')
- **Method:** GET
- **Headers:** LIB\_UPS\_TOKEN: < {{token }} >

## REQUEST **Query** PARAMETERS

Name	Description	Type	Required
keyword	Searched text	String	Yes

## Expected Response

*On success bill list which contains the searched field*

```
{
  "error": false,
  "statusCode": 200,
  "items": [
    {
      "_id": "6597aa70c57c1209639c8cb2",
      "customerName": "hana mebratu kiros",
      "mobile": "",
      "amount": 5,
      "penalty": 0,
      "serviceFee": 3,
      "billCCY": "ETB",
      "paymentTerm": "September",
      "registrationFee": 0,
      "materialsFee": 0,
      "transportationFee": 0,
      "othersFee": 0,
      "isPaid": false,
      "orgId": "6597a3f3239d54c10ee6cb79",
      "orgName": "Henon Test",
      "customer": "6597a8d3239d54c10ee6cc89",
      "customerOrgId": "HT-ST0005",
      "billCode": "HT-N8WR2GZU"
    }
  ]
}
```

*On error*

```
{
  "error": true,
  "statusCode": 500,
  "items": []
}
```

## 2. Bill Query

➤ An API for querying a bills by bill id concatenated by \* if more than 1 bills are requested.

- **Endpoint:** `http://{LIB_UPS_API_BASE_URL}/api/ups/query_more_bill`
- **Method:** GET
- **Headers:** LIB\_MOB\_TOKEN: < {{token }} >

### REQUEST PARAMETERS

Name	Description	Type	Required
Params	Bill code(bill codes concatenated w by *) ex: 'BTHDFF788*BTHeFR546'	String	Yes

### Expected response:

*On success: array of the bills which contains the bill\_ids on the parameter*

```
{
  error:false
  items:[
    {
      amount:5.1,
      billCode:"HT-KJPRSISS",
      isPaid:false
      paymentTerm:"September"
      orgId:"6597a3f3239d54c10ee6cb79"
      orgName:"Henon Test"
      customer:"6597a8d4239d54c10ee6cf8a"
      paymentCode:"Regular-Payment"
      customerName:"wiliam kelali hadush"
      customerorgId:"HT-ST0174"
    }
  ]
}
```

*On error*

```
{  
  "error":true,  
  "statusCode":500,  
  "items":[]  
}
```

### 3. Pay Bill Call back Api

➤ An API call after successful Transaction of the order.

- **Endpoint:** [http://{{LIB\\_UPS\\_API\\_BASE\\_URL}}/api/ups/c2b-payment-validation-request](http://{{LIB_UPS_API_BASE_URL}}/api/ups/c2b-payment-validation-request)
- **Method:** POST
- **Headers:** LIB\_UPS\_TOKEN: < {{token }} >

#### REQUEST BODY PARAMETERS

NB: array of the bills

Name	Description	Type	Required
transType	Type : 'LIB BANK PAYMENT'	String	Yes
amount	Paid amount (sum of the returned bill with the given bill code)	Number	yes
billCode	The paid bill code	String	yes
transactionNumber	Bank Transaction Number	String	yes

#### Request Format:

##### Body

```
[{"transType": "LIB BANK Payment",  
  "amount": 950,  
  "transactionNumber": "RFDT567474747",  
  "billCode": "G-HTY787686"}]
```

success Response: ResultCode = 0

```
{  
  "error": false,  
  "statusCode": 200,  
  "ResultCode": 0  
}
```

Failed Response: ResultCode = 1

```
{  
  "error": true,  
  "statusCode": 500,  
  "ResultCode": 1  
}
```