



MobiFin™

MobiFin Transaction Switch

API Guide – Reseller

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Revision History

Name	Date	Reason For Changes	Version
MobiFin Transaction Switch API Guide Reseller 3.0.0-1	16/04/2014	Initial Version	3.0.0-1
MobiFin Transaction Switch API Guide Reseller 3.0.0-2	29/04/2014	Updated document based on issues received from Support Team.	3.0.0-2
MobiFin Transaction Switch API Guide Reseller 3.0.1-1	07/07/2014	1) Parameter and examples updated Topup, BillPay, Voucher functions. 2) Common functions added for Topup, BillPay, Voucher, and Wallet functions. <ul style="list-style-type: none"> • DstInitiateRequest • DstRefundStatus 3) Wallet module functions added.	3.0.1-1
MobiFin Transaction Switch API Guide Reseller 3.0.1-2	28/08/2014	Response Parameter Updated as in below list	3.0.1-2

Response Parameters updated in 3.0.1-2	UpdateType
• Method Name= TopupFlexi	
○ TopUpAmount by OperatorRequestID	Replaced
• Method Name= BillPay	
○ ProductInfo	Added
○ OperatorRequestID	Added
○ AuthorizeKey	Added
• Method Name= WalletProductDetails	
○ CustomerCommissionGroupID	Deleted
○ MinimumValue	Added
○ MaximumValue	Added
○ VendorServiceID	Deleted
○ BatchID	Added
○ BatchName	Added
○ BatchDescription	Added
○ SurchargeType	Deleted
○ SurchargeValue	Deleted

1. Introduction

About this API Guide

This document provides detailed information and instruction for understanding and integrating the MobiFin Transaction Switch API. This document details all interface aspects, along with connectivity standards and parameters, which would be exchanged during the integration of the systems.

Intended Audience

This document provides details to Developer of a Third-Party Integrator Platform to connect and communicate with MobiFin Transaction Switch Platform.

2. Overview

MobiFin: Mobile Finance Platform

Panamax MobiFin is a carrier-grade ecosystem platform, with a secure user interfaces and secure server. MobiFin creates a secure and reliable environment for users to easily access personalized services from their devices enabling service providers to extend their business services to the mobile environment for various remote transactions.

Introduction to MobiFin

MobiFin Transaction Switch Platform has been designed to handle financial transaction for Subscriber Service of Providers; to perform Topup Recharge, Bill Payment and Voucher Sale. Each request for these transactions goes through a series of validation with the Service Provider before such a transaction is allowed by the platform.

Third-Party Integrator Platform

Third-Party Integrator Platform (TPIP) needs to give the same Recharge privileges for the Subscribers, along with any promotions, which are controlled by MobiFin Transaction Switch platform. This platform allows TPIP to connect over an authorized channel and give the request for the Top-up/Bill Payment/Voucher Sale.

3. AES Encryption

All transactions between the TPIP and MobiFin Transaction Switch would go via authorized channel and with due authentication, before any request is registered and acted upon with an appropriate response. The messages exchanged between MobiFin Transaction Switch and TPIP will be in a format, which is discussed in the Message Set section of this document.

Basic Steps for Encryption and Decryption

Steps for Encryption:

- 1) Use AES-128 bit Encryption Algorithm, in ECB mode
- 2) Encode the encrypted string using base64_encode function
- 3) Replace the characters + with - then / with _ then = with , from the encoded string

Steps for Decryption:

- 1) Replace the characters - with + then _ with / then , with = from the encrypted string
- 2) Decode the encrypted string using base64_decode function
- 3) Use AES-128 bit Decryption Algorithm, in ECB mode

Strings need to be encrypted

In **Post Data before Encryption**, String displayed after “**Data**” will only be encrypted in all functions apart from *Getting Encryption Key Method*. In all function we have mentioned example of encryption and decryption as shown in below example.

Ex: Post Data before Encryption (String highlighted as **bold** is encrypted)

```
=>TerminalNumber=47199692&Data={"RequestUniqueID":"5635666445675","MethodName":"DstGenerateSessionID"}
```

Post Data after Encryption

```
=>TerminalNumber=47199692&Data=qNnDqfcHBDFZ1HAde6401Oe3DxYocT28tFlxZvTWCn4kthzguyHiu8uehidHG  
roacLSA_bGKCvQJk_omCd4XkWrypWVbHIAzxpGLMSIDTa0,
```


URLs' Function

URL	URL Domain	Function
http://URL-1.com/hsmrest/hsmrest	HSM	For Encryption Key Retrieval from HSM Module
http://URL-2.com/distributormobilerest/distributormobilerest	Distributor	For Basic Business functionality like Session Generation and Balance retrieval
http://URL-3.com/productrest/productrest	Switch	For Transaction functionalities like Product retrieval, Service Delivery (Topup, Bill Payment, Voucher Sale, Wallet)
http://URL-4.com/commonrest/commonrest	Distributor	For Business functionality like Terminal No generation

4. Message Set- API Setup

Note:

In Case of invalid inputs in Request Parameters, MobiFin API provides response only with [Response Code](#) and its Description instead of all Response Parameters.

Getting Terminal Number

Request Syntax

Field Details

Field TAG	Field Brief	Remark	Example	Field Type	Optional (O)/ Mandatory (M)
TerminalInfo	Terminal Sr No	Unique no. generated after reseller registration	ABCD1234589	Alphanumeric	M
function	Function Name	function= GetTerminalNumber	Not Applicable	Not Applicable	M
KYCInfo	Interface User's ID no	ID no of Passport, License etc.		Numeric	M
Phone*	Phone No	Reseller's Phone No	987654321	Either	Either of these Two
EmailAddress*	Email	Reseller's Email-id	abc@xyz.com	OR for response code reception	
AccessType	Service Access Type	Always pass Access Type as "0"	AccessType=0	Not Applicable	M
TerminalType	Reseller Terminal Type	We will provide the value based on Terminal type provided by the client	008	Not Applicable	M

* Terminal Number will be generated and send by subsequent SMS or Email.

Response Syntax

Field Details

Field TAG	Field Brief	Remark	Example	Field Type
TerminalRequestID	Unique ID	Unique ID of Terminal Sr No, No given to Interface (Web	132	Numeric

		Portal, Apps) User		
ResponseCode	Response Code	Response Code for Request	000	Numeric
ResponseDescription	Response Description	Description of respective Response Code	Successful	Alphanumeric

Example

Post Request url => http://URL-4.com/commonrest/commonrest

Post Data

=> AccessType=0&TerminalType=001&TerminalInfo=dhggh&KYCInfo=4543354535&Phone=65465468498&EmailAd
dress=&function=GetTerminalNumber

Response Data

```
{"ResponseCode": "000", "TerminalRequestID": "8872", "ResponseDescription": "Successful"}
```

Getting Encryption Key

Request Syntax

Field Details

Field TAG	Field Brief	Remark	Example	Field Type	Optional (O) Mandatory (M)	Encryption
TerminalRequestID	Unique ID	Unique ID of Terminal Sr No, No given to Interface (Web Portal, Apps) User	132	Numeric	M	Not Required
function	Function Name	function=HSMGetEncryptionKey	Not Applicable	Not Applicable	M	Not Required
TerminalNumber (Encrypted)	Terminal No	It has to be encrypted using 16-digit encryption key	---	---	M	Required

Response Syntax

Field Details

Field TAG	Field Brief	Remark	Example	Field Type
ResponseCode	Response Code	Response Code for Request	000	Numeric
EncryptionKey (Encrypted)	Encryption Key	Encrypted Encryption Key to send along with all future Request	---	---
ResponseDescription	Response Description	Description of respective Response Code	Successful	Alphanumeric

Example for Data Encryption and Decryption

Example of Success Result:

Post Request url => http://URL-1.com/hsmrest/hsmrest

Request

Post Data before Encryption

=> TerminalRequestID=8883&TerminalNumber=**10821082**&function=HsmGetEncryptionKey

Steps for generating Encryption Key of Terminal Number:

- 1) Encryption key has to be generated by padding eight zeros at right side of the terminalNumber.
- 2) TerminalNumber is to be encrypted using Encryption key generated in Step-1.

(Note: In GetEncryptionKey method, Only **TerminalNumber** get encrypted in above example of *Post Data before Encryption* which is highlighted as bold font. You can view Encrypted request to be shown in *Post Data after Encryption* as bold font in below example.)

Post Data after Encryption

=>TerminalRequestID=8883&TerminalNumber=**hkRGHLJma78ufxE2m_LWzg%2C%2C**&function=HsmGetEncryptionKey

Response

Response Data before Decryption

```
{"ResponseCode":"000","EncryptionKey":"IHSB8czsmI1vvIOsFW4odg","ResponseDescription":"Successfull"}
```

(Note: Only "**EncryptionKey**" will get decrypted, which is highlighted as bold font in above example of *Response Data before Decryption*. You can view decrypted result in below example of *Response Data after Decryption* displayed in bold font)

Response Data after Decryption

```
{"ResponseCode":"000","EncryptionKey":"1148340411483404","ResponseDescription":"Successfull"}
```

Example of Unsuccessful Result:

Post Request url => http://URL-1.com/hsmrest/hsmrest

Request

Post Data before Encryption

=> TerminalRequestID=8883&TerminalNumber=**10821082**&function=HsmGetEncryptionKey

Steps for generating Encryption Key of Terminal Number:

- 1) Encryption key has to be generated by padding eight zeros at right side of the TerminalNumber.
- 2) TerminalNumber is to be encrypted using Encryption key generated in Step-1.

(Note: Only “**TerminalNumber**” will get encrypted in *Post data before encryption*, which is displayed as bold font as shown in above example. You can view encrypted result in *Post data after encryption* displayed in bold font)

Post Data after Encryption

=>TerminalRequestID=8883&TerminalNumber=**hkRGHLJma78ufxE2m_LWzg%2C%2C**&function=HsmGetEncryption
Key

Response

Response Data before Decryption

```
{"ResponseCode": "701", "ResponseDescription": "Encryptionkey has already been delivered"}
```

5. Message Set- Session Management

Note:

In Case of invalid inputs in Request Parameters, MobiFin API provides response only with [Response Code](#) and its Description instead of all Response Parameters.

Generating Session ID

Request Syntax

Field Details

Field TAG	Field Brief	Remark	Example	Field Type	Optional (O) Mandatory (M)	Encryption
TerminalNumber (Non Encrypted)	Terminal No	It is sent in non-encrypted form	---	Numeric	M	Not Required
MethodName	Method Name	Method Name= DstGenerateSessionID	Not Applicable	Not Applicable	M	Required
RequestUniqueID	Unique Request No.	TPIP's Ref No for Request	147852369	Numeric	M	Required

Response Syntax

Field Details

Field TAG	Field Brief	Remark	Example	Field Type	Decryption
ResponseCode	Response Code	Response Code for Request	000	Numeric	Required
ResponseDescription	Response Description	Description of respective Response Code	---	Alphanumeric	Required
SessionID	Session ID	Unique ID of every transaction-Session	Abcd1234	Alpha Numeric	Required

Example for Data Encryption and Decryption

Post Request url => http://URL-2.com/distributormobilerest/distributormobilerest

Request

Post Data Before Encryption

=> TerminalNumber=47199692&Data={"RequestUniqueID":"5635666445675","MethodName":"DstGenerateSessionID"}

Encryption Key to be used: Key received in response of Encryption Key request.

Post Data After Encryption

=>TerminalNumber=47199692&Data=qNnDqfcHBDFZ1HAde6401Oe3DxYocT28tFlxZvTWCn4kthzguyHiu8uehidHGroacLSA_bGKCvQJk_omCd4XkWrypWVbHIAzxpGLMSIDTa0,

Response

Response Data before Decryption

{"Data":"JhUYACbTYq2g6Y5yXutfhHfUZZzLMxS0eAvN6dUnRmLpZhZt4_fdF5GPTXJqSF9Sjgr9id8Uph72ds4BVDp111Ff3rabN48N61VJx88yBgh099Rp34HZOeGw_Fc6jfjULFO7LfbFEqil6JTJnGUbeA,,,"}

Response Data after Decryption

{"ResponseCode":"000","ResponseDescription":"Successful","SessionID":"fde981de-105c-45d0-b50f-634cf8e6955f"}

6. Message Set- Balance Retrieval

Note:

In Case of invalid inputs in Request Parameters, MobiFin API provides response only with [Response Code](#) and its Description instead of all Response Parameters.

Getting Balance

Request Syntax

Field Details

Field TAG	Field Brief	Remark	Example	Field Type	Optional (O) Mandatory (M)	Encryption
TerminalNumber (NonEncrypted)	Terminal No	It is sent in non-encrypted form	---	Numeric	M	Not Required
MethodName	Method Name	Method Name= DstGetBalance	Not Applicable	Not Applicable	M	Required
SessionID	Session ID	Unique ID of every transaction-Session	Abcd1234	Alpha Numeric	M	Required
RequestUniqueID	Unique Request No.	TPIP's Ref No for Request	147852369	Numeric	M	Required

Response Syntax

Field Details

Field TAG	Field Brief	Remark	Example	Field Type	Decryption
ResponseCode	Response Code	Response Code for Request	000	Numeric	Required
ResponseDescription	Response Description	Description of respective Response Code	Successful	Alphanumeric	Required

Balance	Balance	Balance Amount of TPIP. This is in multiple of 100.	100=1	Numeric	M
---------	---------	--	-------	---------	---

Example for Data Encryption and Decryption

Post Request url => http://URL-2.com/distributormobilerest/distributormobilerest

Request

Post Data before Encryption

=> TerminalNumber=47199692&Data={"SessionID":"a91a7ec0-9c56-47ad-850f-5ca3ea433000","RequestUniqueID":"3646465467567","MethodName":"DstGetBalance"}

Encryption Key to be used: Key received in response of Encryption Key request.

Post Data after Encryption

=> TerminalNumber= 47199692&Data=nz-V5qvdqVHRqeJ3_NZN0CX2AjH54yIWxy4PeZ5i8q72EBp136DThE8dB_jiY0hI2DWRQ8pB8KMRU_mReTMpU3x-5WPfVGxyjjEgU-8T5Ygj62KRWDQHcU0e9OC03qkiDBx707WjKO19s79s8Ch190LfDv0txHCTpEGecEEo614,

Response

Response Data before Decryption

{"Data":"JhUYACbTYq2g6Y5yXutfhHfUZZzLMxS0eAvN6dUnRmLpZhZt4_fdF5GPTXJqSF9SAIGVyJE-8u9H95GbHC9nqiHI5bzFD5DwKXjMRxK3uMc,"}

Response Data after Decryption

{"ResponseCode":"000","ResponseDescription":"Successful","Balance":89675909}

7. Message Set- Transaction Management

Note:

In Case of invalid inputs in Request Parameters, MobiFin API provides response only with [Response Code](#) and its Description instead of all Response Parameters.

Topup Transaction Functions

Topup Product Retrieval

Request Syntax

Field Details

Field TAG	Field Brief	Remark	Example	Field Type	Optional (O) Mandatory (M)	Encryption
TerminalNumber	Terminal No.	Unique ID of the Terminal of Third-Party Integrator Platform	36925874	Numeric	M	Not Required
MethodName	Method Name	Method Name= TopupProductDetails	Not Applicable	Not Applicable	M	Required
SessionID	Session ID	Unique ID of every transaction- Session	Abcd1234	Alpha Numeric	M	Required
RequestUniqueID	Unique Request No.	TPIP's Ref No for Request	147852369	Numeric	M	Required
TransactionKey	Transaction Key	Unique Key for every Transaction performed by TPIP	123654987	Numeric	M	Not Required
SystemServiceID	System Service ID	Service Category ID, pre-defined in MobiFin Transaction Switch platform	258987	Numeric	O	Required

Response Syntax

Field Details

Field TAG	Field Brief	Remark	Example	Field Type	Decryption
ResponseCode	Response Code	Response Code for Request	001	Numeric	Required

ResponseDescription	Response Description	Description of respective Response Code	Successful	Alphanumeric	Required
SystemServiceID	System Service ID	Service Category ID, pre-defined in MobiFin Transaction Switch platform	258987	Numeric	Required
SystemServiceName	System Service Name	Service Category Name, pre-defined in MobiFin Transaction Switch platform	MTopUp	Alphabetic	Required
ProductID	Product ID	From MobiFin Transaction Switch	2143	Numeric	Required
ProductName	Product Name	From MobiFin Transaction Switch	MTopUp	Alphabetic	Required
ProductDescription	Product Description	From MobiFin Transaction Switch	MTopUp	Alphabetic	Required
ProductType	Product Type; Flexi=0, Fix=1	From MobiFin Transaction Switch	258987	Numeric	Required
BatchID	Batch ID	From MobiFin Transaction Switch	2143	Numeric	Required
BatchName	Batch Name	From MobiFin Transaction Switch	MTopUp	Alphabetic	Required
BatchDescription	Batch Description	From MobiFin Transaction Switch	MTopUp	Alphabetic	Required
ProductCode	Product Code	From MobiFin Transaction Switch	Abcd2143	Alphanumeric	Required
MinimumValue	Denomination of Product	Fix: Min=Max,	2143	Numeric	Required
MaximumValue		Flexi: Min<Max . From MobiFin Transaction Switch	2143	Numeric	Required
BatchType	Batch Type; Flexi=0, Fix=1	From MobiFin Transaction Switch	258987	Numeric	Required
ImageURL	Image URL	From MobiFin Transaction Switch	Abcd2143	Alphanumeric	Required
Country	Country	From MobiFin Transaction Switch	India	Alphabetic	Required
FieldInfo	Field Info	Refer below example	---	Json	Required

NotificationInfo	Notification Field Info	Refer below example	---	Json	Required
AllowMinorCurrency	Allow Minor Currency	True- Allow False - Disallow	True	Alphabetic	Required
SurchargeType	Surcharge Type	From MobiFin Transaction Switch. Any of below two value type may be received in response: Either 'Percentage' or 'Fix Amount'	---	Alphabetic	Required
SurchargeValue	Surcharge Value	From MobiFin Transaction Switch	258987	Numeric	Required

Example for FieldInfo:

```
{
  "Field1": {
    "FieldName": "ConsumerNumber",
    "FieldType": "String",
    "FieldKey": "CN",
    "Validation": {
      "RegularExpression": "",
      "MinLength": "5",
      "MaxLength": "10"
    },
    "Values": ""
  },
  "Field2": {
    "FieldName": "CycleNumber",
    "FieldType": "String",
    "FieldKey": "CLSNO",
```

```
"Validation": {
  "RegularExpression": "",
  "MinLength": "1",
  "MaxLength": "10"
},
"Values": ""
},
"Field3": {
  "FieldName": "testdropdown",
  "FieldType": "Dropdown",
  "FieldKey": "testdrop",
  "Validation": "",
  "Values": {
    "1": "abc",
    "2": "xyz",
    "3": "pqr"
  }
},
"Field4": {
  "FieldName": "testmultiselect",
  "FieldType": "MultiSelect",
  "FieldKey": "testmulti",
  "Validation": "",
  "Values": {
    "a": "ggfgg",
    "b": "sdgdg",
    "c": "gfhfgh"
  }
}
```

}

Example of NotificationInfo (Json)

```
"NotificationInfo":[
  {"Phone":"", "Email":"","Title":"","Company Email":"","Required":"","Required":""},
  ""
```

Example for Data Encryption and Decryption

Post Request url => http://URL-3.com/productrest/productrest

Post Data Before Encryption =>

```
TerminalNumber=42304230&TransactionKey=88855522&Data={"function":"TopupProductDetails","SessionID":"09
bb56f2-4244-4ad4-bca1-
bf7270d28a0b","RequestUniqueID":"4333329555","SystemServiceID":"2","MethodName":"TopupProductDetails"}
```

Post Data After Encryption => TerminalNumber=42304230&TransactionKey=88855522&Data=DFP-

WZES5o8xHAVdxBXAOOk0YV8nwYhWHBMf-YuljX-i4Pxj6TwwUqbpr8yr1hIM4Z-

Vlg5izCYBlstxkn2q1W33R6CzC3sKrLCpomyonSQ1bR4PB-

Xif0ugpWR1CtimhitVgXev8wodBZNwnegBq6s6MJgc03jW8S91UHY1TzN7yK0Jbi6Sk5uoa63NYWc1gapw3YVqaJ0t7O
uCWpPqP2TsFJ6dymtCFuCG5oW1kFbM,

Response Data before Decryption

```
{"Data":"eU7MKcGoq88DAuqIX7C_mbsdqfxyN7MITGw4T1On53ZtuVI1EhB_Ss5OuAA6O0Pd_Dz0zYFWxoSyp4JKdwd
CbedxMctSCQOHg15XFbFZPWAikvYQC7fucQbrtiVuo7TjPfu_ztayMfxRi6fXOxwhTzIYMBxBxOfQnsrytqqWpW6djsLvJC
usplwMrW1GK6OkAHQyGERld5J7mmAttGIPkrgT8pQJuFmMSYJWX11jbOzeYHxykqtQu19EE09ly3JChkquslgxwyUDA
xb1zDLNLVLacdOfrz1GP8fhLXCQ17rf94hdA7eckQJbj5P9X4_oLM_NfG7uAisuz3JaEOS1NTqiDQkDE-
Mdlo0SX6vPhuKpVw31lktMy7D6_wYoSfKil28_HtZMJ4z-cNgfQaX99w6kdGq56KvEpS6JeQGF-
ejaCim5PFRCD3F_ekK6TNV1oR7Gszzhh4Bc6DS81JFT8on2Y2vuKx1AsS2CcmwSS23jjKEvdX1ZNogOi7rvjQ00OkVnb
4XFBASwWVhNWqECsAfH_i8-7nivSpaxbp60HxM4Grpw3V9X9CY9rLpHeuD-
WPgUPaaYFUjivV4pWSHPknFZ0oM2b90RW7FTgugXx1XRVmNGfY26BnYSUmBJFwadJUyit8jupJaXisf-
KeZgh3krD7N32TIK7r5TRfAiKxLufEk2tAb-WalHP-LAaNeOOI_t-R1vh-
jyyCwBl4EkoipwyaKpuldbylnAjZ43mbn1lflRpzlgxFdIwcBYdclLb_Gl6EP9MIDuMCoGuGFzZCkRGy6i_K-
bKGcwOIHcJovCwQcrg5hs95NbE_X7fBCgHoS_fY2z7CnsZrNmgb__Coive560VwdFKHAiudum-
BJJ4tPWbhRX9YcbopkK2b61n9K-rr7GfWbfBvUXtWwGAjEyHw97dsOQPQ-
FEIH76zz6VxDDPr1D9CMTLrf2XI7sfBZsalBBy_26kjre9ajEiDondQHmv3dFYZvpFVi-
cXolkf0GufU8poUZoEGsZNjJabEnf6PY8E-6oo5UAkMrm4-
Mc1bZjrpjHctXpFeQzEgNVbWfMSQdwNpo4UleFVcaTDlgY7RmtUVCKPVZPNc8VQ9SQCKDeQ1w_qjpBZBylv6AQsoGE
ZPlpKJ3C9liYGX6Sa9O2wV5WVR_sUoDflmDbgNI12rRnB5pn_toHwS4wLkDW5W-
AJmbKZ9Glfhe9kodliqwCBAMZe8GdLtOmZodMmZSczHeteMwmO9HLZats1ULOPqy1zrqrhgAa87U1A"}

```

Response Data after Decryption

```
{"ResponseCode":"000","ResponseDescription":"Successful","SystemServiceID":["2","2"],"SystemServiceName":["
M Topup","M Topup"],"ProductID":["116","137"],"ProductName":["Airtel
topup","dharmang_31_fixproduct"],"ProductDescription":["Airtel
```

```
topup","dharmang_31_fixproduct"],"ProductType":["0","1"],"BatchID":["99","109"],"BatchName":["AirtelTopup  
10-50","dharmang_100 to 100"],"BatchDescription":["AirtelTopup 10-50","dharmang_100 to  
100"],"ProductCode":["ZendTest","dharmangfixtopup"],"MinimumValue":[1500,10000],"MaximumValue":[2500,10  
000],"ImageURL":["",""],"Country":["IND","IND"],"FieldInfo":["{"RefNo":{"Title":"Reference no-  
Ann","TxReference":"yes","Pattern":"","MinLength":"1","MaxLength":"10"}},null],"NotificationInf  
o":["{"Phone":"","Email":{"Title":"Company  
Email","Required":"Required"},"",""}, {"AllowMinorCurrency":["false","true"],"SurchargeType":["Fix  
Amount","Fix Amount"],"SurchargeValue":[1000,1000]}
```


Topup-Flexi

Request Syntax

Field Details

Field TAG	Field Brief	Remark	Example	Field Type	Optional (O) Mandatory (M)	Encryption
TerminalNumber	Terminal No.	Unique ID of the Terminal of Third-Party Integrator Platform	36925874	Numeric	M	Not Required
MethodName	Method Name	Method Name= TopupFlexi	Not Applicable	Not Applicable	M	Required
SessionID	Session ID	Unique ID of every transaction-Session	Abcd1234	Alpha Numeric	M	Required
RequestUniqueID	Unique Request No.	TIPI's Ref No for Request	147852369	Numeric	M	Required
TransactionKey	Transaction Key	Unique Key for every Transaction performed by TIPI	123654987	Numeric	M	Not Required
ProductCode	Product Code	Unique Code given to Product Name by TIPI	BTOPUP1	Alpha Numeric	M	Required
SystemServiceID	System Service ID	Service Category ID, pre-defined in MobiFin Transaction Switch platform	258987	Numeric	M	Required
ReferralNumber	Referral Number	User's Mobile no.	9876543210	Numeric	M	Required
Amount	Amount	Topup Amount. This is in multiple of 100.	100=1	Numeric	M	Required
FromANI	Sender's Mobile no.	Mobile of Third-Party Integrator Platform	9876543210	Numeric	O	Required
Email	Sender's Email-id	Email-id of Third-Party Integrator Platform	abc@xyz.com	Alpha Numeric	O	Required

Response Syntax

Field Details

Field TAG	Field Brief	Remark	Example	Field Type	Decryption
ResponseCode	Response Code	Response Code for Request	000	Numeric	Required
ResponseDescription	Response Description	Description of respective Response Code	Successful	Alphanumeric	Required
ConfirmationCode	Confirmation Code	Reference Code of from Service Provider	5874123	Numeric	Required
AuditNo	Audit No	Unique ID from Service Provider	6544123	Numeric	Required
OperatorRequestID	Operator Request ID	Unique Operator Request Code	545452	Numeric	Required
ProviderResponse	Additional Response from Service Provider in JSON format	Transaction Status: Successful/Failed	{"TransactionId":"120612","OperatorCode":"20131114"}	Alphanumeric	Required
ProductInfo	Product info	Description of product	Mtopup Airtel product 1	String	Required
AuthorizeKey	Authorize Key	Unique Authorization key	847876465	Numeric	Required

Example for Data Encryption and Decryption

Post Request url => http:// URL-3.com/productrest/productrest

Encryption

Post Data before Encryption

=> TerminalNumber=82551159&TransactionKey=1099010990&Data={"SessionID":"15907f78-220f-4b8e-a6bf-c27fa02939b9","RequestUniqueID":"563546786788","ProductCode":"testflexi","SystemServiceID":"2","ReferralNumber":"363566767656","Amount":"16000","FromANI":"","Email":"","MethodName":"TopupFlexi"}

Encryption Key to be used: Key received in response of Encryption Key request.

Post Data after Encryption

=> TerminalNumber=82551159&TransactionKey=1099010990&Data=7QkLG3a4myU-GdiV_abFqjsF4OTZb8_4tal1NtPCeQ8BQKxiWwjKsX_D0VhUOxi6sm4dnYdZXhraV_F5XKWMwoHaUwpXyopGe0S7Jc5KPQCGLkg-p0eIuUc0JRv5Lu4JkESC6xT1oSrKUmcY99Slsh_ANSnr099SQhByyTmYMvPQuI0ktGSefxGc9yUcXBytCZYwXBCHGoy7tEX54fAAUNCzEqCXys8EkzAA6XOf69rs3Cu32bUsUlclB8eO4fEMqFwTv8O8ymsszzG7oLqBL2t-Dz5NZO76Kxc5owV6sHTIVarmRYd-Vh5RnFcEaAcn

Decryption**Response Data before Decryption**

```
{"Data": "AlvSkcZyYdCqQH3b6zz6EQ29_80e-eTNe0eJTToLnT7Z4tczbPWvNQ4ni84rTDB-rKR4IEjAvWXLpeMLZogu8otoI6n_F0eP9zChilqldvqDvtNAtMAY2aCaDuaFR7D-5WdA749jliJO-FbLj4z7SuhvDFVuZ149NPX8tgPY5emfka6FnyrVSYDUVKy6JBc-Xkx_c5tSNATvHql-G_KH-2bY-IPV4ptJN7Y6kXkeJOiJ3k1EZIHbWrvklq0Qy4_srS_Q4LufzRXvCb-TGy0iLA,,,"}
```

Response Data after Decryption

```
{"ResponseCode": "000", "ConfirmationCode": "93420140128141531", "ProviderResponse": {"TransactionId": "141531", "OperatorCode": "20140128"}, "AuditNo": "2285", "ResponseDescription": "Successful"}
```

Topup-Fix

Request Syntax

Field Details

Field TAG	Field Brief	Remark	Example	Field Type	Optional (O) Mandatory (M)	Encryption
TerminalNumber	Terminal No.	Unique ID of the Terminal of Third-Party Integrator Platform	36925874	Numeric	M	Not Required
MethodName	Method Name	Method Name= TopupFix	Not Applicable	Not Applicable	M	Required
SessionID	Session ID	Unique ID of every transaction- Session	Abcd1234	Alpha Numeric	M	Required
RequestUniqueID	Unique Request No.	TPIP's Ref No for Request	147852369	Numeric	M	Required
TransactionKey	Transaction Key	Unique Key for every Transaction performed by TPIP	123654987	Numeric	M	Not Required
ProductCode	Product Code	Unique Code given to Product Name by TPIP	BTOPUP1	Alpha Numeric	M	Required
SystemServiceID	System Service ID	Service Category ID, pre-defined in MobiFin Transaction Switch platform	258987	Numeric	M	Required
ReferralNumber	Referral Number	User's Mobile no.	9876543210	Numeric	M	Required
FromANI	Sender's Mobile no.	Mobile of Third-Party Integrator Platform	9876543210	Numeric	O	Required
Email	Sender's Email-id	Email-id of Third-Party Integrator Platform	abc@xyz.com	Alpha Numeric	O	Required

Response Syntax

Field Details

Field TAG	Field Brief	Remark	Example	Field Type	Decryption
ResponseCode	Response Code	Response Code for Request	000	Numeric	Required
ResponseDescription	Response Description	Description of respective Response Code	Successful	Alphanumeric	Required
ConfirmationCode	Confirmation Code	Reference no of Topup from Service Provider	5874123	Numeric	Required
AuditNo	Audit No	Unique ID from Service Provider	6544123	Numeric	Required
OperatorRequestID	Operator Request ID	Unique Operator Request Code	545452	Numeric	Required
ProviderResponse	Response from Service Provider	Transaction Status: Successful/Failed	{"TransactionId":"120612","OperatorCode":"20131114"}	Alphanumeric	Required
ProductInfo	Product info	Description of product	Mtopup Airtel product 1	String	Required
AuthorizeKey	Authorize Key	Unique Authorization key	847876465	Numeric	Required

Example for Data Encryption and Decryption

Post Request url => http:// URL-3.com/productrest/productrest

Encryption

Post Data before Encryption =>

TerminalNumber=82551159&TransactionKey=1099010990&Data={"SessionID":"15907f78-220f-4b8e-a6bf-c27fa02939b9","RequestUniqueId":"674776767868","ProductCode":"testfix","SystemServiceID":"4","ReferralNumber":"67456754678","FromANI":"","Email":"","MethodName":"TopupFix"}

Encryption Key to be used: Key received in response of Encryption Key request.

Post Data after Encryption

=> TerminalNumber=82551159&TransactionKey=1099010990&Data=7QkLG3a4myU-GdiV_abFqjsF4OTZb8_4tal1NtPCeQ8BQKxiWwjSX_D0VhUOxl6sm4dnYdZXhraV_F5XKWmWjgjnZyNVIKlo_yg1cYB_t1ZveOfakbCjaY67i6dQF-cBcSy8kxfGWE-ccgcO9VqM82PZJoV2ZWD9nPrLlocaFqxOwVFwupdndQPtO_vNi3cn9iKluTFcQCcOjTsR9v2crvh8H2VPuQhXXfixz99AQi3SKLPp5Nfn1heh60DbjGr2izx9ggRqUXKAY0hlsW5X-SLzX_s2rFcMw3SXTepVw,

Decryption

Response Data before Decryption

```
{"Data": "AlvSkcZyYdCqQH3b6zz6Ean3e-kNIOuFFqWgqvmUnBVmaIE6cs-2hOeswu1MuYYevvgWvLkGQyOcAft88rYz8OK_igAy8K08ltzEqcpcq7s,"}
```

Response Data after Decryption

```
{"ResponseCode": "302", "ResponseDescription": "systemservice is invalid"}
```

Topup Transaction Status Check

Request Syntax

Field Details

Field TAG	Field Brief	Remark	Example	Field Type	Optional (O) Mandatory (M)	Encryption
TerminalNumber	Terminal No.	Unique ID of the Terminal of Third-Party Integrator Platform	36925874	Numeric	M	Not Required
MethodName	Method Name	Method Name= TopupStatusCheck	Not Applicable	Not Applicable	M	Required
SessionID	Session ID	Unique ID of every transaction- Session	Abcd1234	Alpha Numeric	M	Required
RequestUniqueID	Unique Request No.	TPIP's Ref No for Request	147852369	Numeric	M	Required
TransactionKey	Transaction Key	Unique Key for every Transaction performed by TPIP	123654987	Numeric	M	Not Required
TransactionRequestUniqueID	Unique Request No.	TPIP's Ref No for Transaction Request for which status is being checked	25891234	Numeric	M	Required

Response Syntax

Field Details

Field TAG	Field Brief	Remark	Example	Field Type	Decryption
ResponseCode	Response Code	Response Code for Request	000	Numeric	Required
ResponseDescription	Response Description	Description of respective Response Code	Successful	Alphanumeric	Required
TransactionResponseCode	Response Code	Response Code received after Transaction	000	Numeric	Required
TransactionResponseDescription	Response Description	Response Description received after Transaction	Successful	Alphanumeric	Required
ConfirmationCode	Confirmation Code	Code received after Transaction	abc132	Alphanumeric	Required

VendorAuditID	Vendor side Audit ID no	Vendor side Audit ID no received after Transaction	5486	Numeric	Required
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Example for Data Encryption and Decryption

Post Request url => http://URL-3.com/productrest/productrest

Encryption

Post Data Before Encryption =>

TerminalNumber=47199692&TransactionKey=6835010743&Data={"SessionID":"90167f35-eeae-4856-822f-3cd5aab57604","RequestUniqueID":"436463464646","TransactionRequestUniqueID":"25412454113","MethodName":"TopupStatusCheck"}

Encryption Key to be used: Key received in response of Encryption Key request.

Post Data After Encryption =>

TerminalNumber=47199692&TransactionKey=6835010743&Data=fpio0AgigDQkQr08IW-l1OIF69mc0Miv9HbSN_mIFyuSzzKUGIA3kUWKzGqH8ej3LzhA-ZicCMNoMaBIGg6mOQGta0mKRyZxivp-ah718eVQVxAbxmz8E-H6su-5-lvO079AIQevcksaZWsgvMghwzWzbxeXUTsgXyT3DW2Krqh54kMkC9pajxf0v_hwTvaNa1HtU-e9JX6HmGukwuf_Q,,

Decryption

Response Data before Decryption

{"Data":{"JhUYACbTYq2g6Y5yXutfhPjVpCbXlljmFHB4Z-rzPUoSXnwpwd0BdGtgh86kX8oB-NWkJvGUiOYUdvh6vM9SgA7ZLwd8KFlokfu2AWnbxWYumiMjXqmJeBjO5HS2zsf1F310yIR1xm0q0q6ZAjyoSOznzaLtnCLDOV5bxBO9XvfEOZpFAJ2i5yvBG8175h4VdpZdbQ3A20Ga7jM2Mv0XGx7fTp1K8iRAIRqT2yT-SSPR9vXTV26DkBgxNpOSTbOkFEF5MabHnlMO3OgMqEmPg,,,"}}

Response Data after Decryption

{"ResponseCode":"000","TransactionResponseCode":"000","TransactionResponseDescription":"Successful","ConfirmationCode":"129920140329064550","VendorAuditID":"4242","ResponseDescription":"Successful"}



BillPay Transaction Functions

BillPay Product Retrieval

Request Syntax

Field Details

Field TAG	Field Brief	Remark	Example	Field Type	Optional (O) Mandatory (M)	Encryption
TerminalNumber	Terminal No.	Unique ID of the Terminal of Third-Party Integrator Platform	36925874	Numeric	M	Not Required
MethodName	Method Name	Method Name= BillpayProductDetails	Not Applicable	Not Applicable	M	Required
SessionID	Session ID	Unique ID of every transaction- Session	Abcd1234	Alpha Numeric	M	Required
RequestUniqueID	Unique Request No.	TPIP's Ref No for Request	147852369	Numeric	M	Required
TransactionKey	Transaction Key	Unique Key for every Transaction performed by TPIP	123654987	Numeric	M	Not Required
SystemServiceID	System Service ID	Service Category ID, pre-defined in MobiFin Transaction Switch platform	258987	Numeric	O	Required

Response Syntax

Field Details

Field TAG	Field Brief	Remark	Example	Field Type	Decryption
ResponseCode	Response Code	Response Code for Request	000	Numeric	Required
ResponseDescription	Response Description	Description of respective Response Code	Successful	Alphanumeric	Required
SystemServiceID	System Service ID	Service Category ID, pre-defined in MobiFin Transaction Switch platform	258987	Numeric	Required

SystemServiceName	System Service Name	Service Category Name, pre-defined in MobiFin Transaction Switch platform	MTopUp	Alphabetic	Required
ProductID	Product ID	From MobiFin Transaction Switch	2143	Numeric	Required
ProductName	Product Name	From MobiFin Transaction Switch	MTopUp	Alphabetic	Required
ProductDescription	Product Description	From MobiFin Transaction Switch	MTopUp	Alphabetic	Required
ProductCode	Product Code	Unique Code given to Product Name by TPIP	BTOPUP1	Alpha Numeric	Required
MinimumValue	Denomination of Product	Fix: Min=Max,	2143	Numeric	Required
MaximumValue		Flexi: Min<Max . From MobiFin Transaction Switch	2143	Numeric	Required
ImageURL	Image URL	From MobiFin Transaction Switch	Abcd2143	Alphanumeric	Required
Country	Country	From MobiFin Transaction Switch	India	Alphabetic	Required
CompanyID	Company ID	From MobiFin Transaction Switch	1432	Numeric	Required
CompanyName	Company Name	From MobiFin Transaction Switch	Mobile Inc.	Alphabetic	Required
FieldLevel	Field Level	No of extra fields required based on Service Provider's policy	2	Numeric	Required
FieldInfo	Field Info	Refer below example	---	Json	Required
NotificationInfo	Notification Info	Refer below example	---	Json	Required
AllowMinorCurrency	Allow Minor Currency	True- Allow False - Disallow	True	Alphabetic	Required
SurchargeType	Surcharge Type	From MobiFin Transaction Switch. Any of below two value type may be received in response: Either 'Percentage' or 'Fix	---	Alphabetic	Required

		Amount'			
SurchargeValue	Surcharge Value	From MobiFin Transaction Switch	258987	Numeric	Required

Example for FieldInfo:

```
{
  "Field1": {
    "FieldName": "ConsumerNumber",
    "FieldType": "String",
    "FieldKey": "CN",
    "Validation": {
      "RegularExpression": "",
      "MinLength": "5",
      "MaxLength": "10"
    },
    "Values": ""
  },
  "Field2": {
    "FieldName": "CycleNumber",
    "FieldType": "String",
    "FieldKey": "CLSNO",
    "Validation": {
      "RegularExpression": "",
      "MinLength": "1",
      "MaxLength": "10"
    },
    "Values": ""
  },
  "Field3": {
    "FieldName": "testdropdown",
```

```

        "FieldType": "Dropdown",
        "FieldKey": "testdrop",
        "Validation": "",
        "Values": {
            "1": "abc",
            "2": "xyz",
            "3": "pqr"
        }
    },
    "Field4": {
        "FieldName": "testmultiselect",
        "FieldType": "MultiSelect",
        "FieldKey": "testmulti",
        "Validation": "",
        "Values": {
            "a": "ggfgg",
            "b": "sdgdg",
            "c": "gfhfgh"
        }
    }
}

```

Example of NotificationInfo (Json)

```

"NotificationInfo":[
    "{ \"Phone\": \"\", \"Email\": { \"Title\": \"Company Email\", \"Required\": \"Required\" } }",

```

Example for Data Encryption and Decryption

Post Request url => http:// URL-3.com/productrest/productrest

Encryption

Post Data before Encryption

=> TerminalNumber=82551159&TransactionKey=1099010990&Data={"SessionID":"15907f78-220f-4b8e-a6bf-c27fa02939b9","RequestUniqueID":"474675676878","SystemServiceID":"","MethodName":"BillpayProductDetails"

}

Encryption Key to be used: Key received in response of Encryption Key request.

Post Data after Encryption

```
=> TerminalNumber=82551159&TransactionKey=1099010990&Data=7QkLG3a4myU-
GdiV_abFqjsF4OTZb8_4tal1NtPCeQ8BQKxiWwjkSX_D0VhUOXl6sm4dnYdZXhraV_F5XKWMwm74ICSwfKHPCK6q7sJ
Vi1VriPkwCHI_4eUZZr_5wyi6-QQji4eeOIOTtrHd_-NSZ0g5F2AVq53JW0MVWyA5D5y7bi4kL4EOxmMM2BhSVWr1
```

Decryption

Response Data before Decryption

```
{"Data": "AlvSkcZyYdCqQH3b6zz6ERBXCIG5y8buDI0tnZLLwXJGVU5rQjnJhbm8F4PUCLiKwCsMeVBP5FcEsfWhwh7SpH
fQOjkOaSniiYKiKUBiy3Rto8IB2b5U_AiYkjBiFzBJ4wjU5gNNk_NYzZz_Mpb2wbhz75JaZv4QxhwOmyvR9Xv0xenPcXDCa
H4vF2rk3moYWIItFyu0kCmFbwCSv0PLtYXo_uzjOACDljQNJ8a2jgVlWRxUm3a2Om57oPQX-
wCY7VCI7HgW0_EiHKhAxZoxcFJHAZ34ToGNraLhwsdo78bNZWGkCnxFOw0fRjGpk_d9_N8-
MQLFFO5DEcGGyTxzFd_0RnukuVK6AhgeKYtbqOrmi87dJlmNgicXvc0lyyrOjbQHDdZLdkWE1K2DzSMFzdBBJtil4zQ5R
bAhyJ4Ar77KkHJzk7iUJiesYncKOhK9NyLbQYBoVc4Q-vb8UKL-DPE3U8-ODjVGFrV0ZHqilUYexR-aCwc7-
9zexp1rL4kMIT-
KQwT9b20iUYO1bwaHKxZSI23hipP2nuieM2crUHLnntVxwVunpHYzrgc0Ba5i_CjnzVJuJCMkQikeljfhS4fVOTugdWNZLq
OTGS_3Vgmf6HsbJxqEIHOX_SrYSkZkKvmxXFpU34I5Nq641Sf0HvY-xdCFFTHDSsaDgEnA_dSpPDz-
ThdI73_IFmAmhlRhrkH9PruF6fka339H3ZGRB8qNi1gBYRGPskAcBYvOFWkcU7qd1Kudq9X3k0uiUnDpr3PjiZWTHykq2
trEAdDlzwTE7ryQARQ-Ptnv1sWa9A0xoTpWmX-
BlfVxTuKGWYsk4zNi6ljXIFddJruvmzSS9EDOC5Tle0g5rUENr1JyCi3IAZvbukpSbton3musHzG4WcWgca1xOLvduallnRFz
Zf229luNxKM1nkVMG6wa-pyiMvOCZjOu77gvHzXBIGb-On7y4ZJ6Fvjv_M8sUT6b6GwKFHT476IWX8T-
pLu6GboGAzWnAmuUOeWyum6xdQbV5r_1Ps7u8dPxAMO0_vsd2M0M4RT9htE7ylp1WYpyA9GDhwHkKQ_kqSkZSL
5YxV8UX9Yx2Gm67ddNxghu3JrOVOc7E0CeQDuEIFQmxRU5Z4SG922Oyvsdr8Ucl0QTxiYNbS6UO-
h2MDAJNCBieejW463viu4ju8kHmAHO5xc7eo-
l6Pi3zgHwsSb7RstZzPg2HAKCQErKrszS8tZJUX1cOREEaOPPvphwr6FL_fCiFaZduAeyrT8OlqwaPSFuYUjyF1vlp1jZWtW
ctIPZbomLpdnepbP3BZpbh1ljQEYnvXnFK15uokyVa6yERRCsM3ZukagI4n_lasJszBT729_Tcd3wkqvVXS5Dtk4Ob2Vi9o
pEF_EutUOWELCD8WgGJ8ccMYsLEkkeWNqBdhpu6uAYQHT9DxfJWF1JpFc107hrSepf4IEyupolVud8348J1g3Wb7VQJe
C0ra7lp2cJ9yQk8qb1812WINDB27YiLiRFEYvYDhQl8SPtwWd27NU50kfOcv-DqwhgEcE2VypjsdFAjnzeeyRIC7-
INvnW4Fx6Vu7lelyScKtaZrVfOz9qu1HD7cxPmWdDQhWzP1-JLHa3IlzF3xcxJ7fvA2vwlx5rcTotEo-hGq8n3d9MFY-
DkTbuNekW5xZ_TYEKvND0ScVhq3Yyski9c-Fu1MAJNTfC46ROZNeYSD5QqISS8QOtKKQEH-
BnT_tyQtL7h0q6HgtjrTgTpBcwH_z_TRHJRmU1eeN7GyCrWZ5XkTpPq9jO9-
9y4DoTUJ8YsfzhWdg_s2OeO__tDS2VeWwBuHvpfLnSUDNwdLW8QsrzP2Mou66oopmqkXiTtbwEn37puqK4NwpUoS
a4Xejz2yCykQNeNkrJ_Yxs1fiMhbnuQo028g0W8j7iYA3swrBnUtLqA5vM0OA8pTwlgXhBPvbHEP0x6j1LOB1vcSOxPTW
ivvKLgHoAkOx0Z0ZF7nRiHo_U_RCNGEv86kanEiZHfoSQ0u3dZ5cbwqruQ9QIS-
JAYHrUif2d3ZtGywsO3q9KWuAunFvEHZfVp2byVChAUS4fjK3RiBcckZk__6ogU76W2zGyy7G3Qmksi2jbAdwjcWBDfc
_9DJINyeQRTnT2VtynXqPXPIU0T51H0bHAK6DTzyx8VIGuSq79Y2CKMrWktZgalKhAgoG62p3AogFSpggbPIh8Oo9pul
dZNwHa4TDLpPD74FKc4NeA9OXWFTTzrZJBnWoJri8H5cPwCfneRQXz-d-IlbraH9O5OVXBidN-
Q9D6p6sS6NoyegA69mP1p7KPSZOTTXPTQNMJwgJbt-
l7nI0nhqpgmmVVJh6eZwPb0yYgADUyUbrnPRyMM1KCuVe_kLef7roF9Q-
TNibAD2DnDYSPaKdExKLDsSBmq4Fz1vqMONgW4ObBqye9shn8JMiKe0z_RcmeViwuOkNN0GPdNjr2ic96CdQxz_F6L
HwrM9-FgqQXWe1qm3uCnpfnjyolL0uRzcsAa73FXcSldQ-
f0DLYZRsjUIXcWK7OzbpYx6b3FoIKxdprChvkhn71d0Vgb787nNSlcDf1MUDI1_D07nSnsjPEczBPdix-
UHfgaHZm7Tlkoe-
```

YOK1B3e5dSI9YjYFuDmwasnvlZ_CTIinsb4xYvZ_uSvhinXQ_2hKkMbrgJl9YCeJlIrzD0LV4UY3qc1Mjirt9vKSg7TX5w08
saqc8nOqqR3K_NRnNuaGQt1HBdHYAVJTA-
bGCaQCORVOKuQEmzmdAzAcIdAm14pCuePyjwyeMZu_zUpj4b9E1JR3B2YWERfWVP0FTEZsqN4vGtJ3rthL_CXztdM
ds27Jspsa8BkutBhG_upHnb_5k2K4cW3k92-PUq9rLC_j8FqspU6LzN58R0BcXhVvJWpV3Zhji0vSPywraJ-
20h5pJtNWE_givFvPxjHol9pfVICgcAfOv976INIC52mJl393FQsS8KRWGlofVnqtFjrPOV0a3-
qPd4xEfJ2aZpxC035nO2GoCzA89VjG1JyFMGBBkIg2g-jqeMLOXyNUCnP57Hn6-
7zT4XOezcz_4VVcyqklI1Nm_k_WdLEok9B_IJrv_Tm4ubf1C7CyuiDGs4xiocTo3hKx4563K9VUA76UpyUvTximGSPWvE
TFliM6fluAuP1gJ4kkivMPQtXhRjepzUyOKu328pKDtNfnDTYxqpzyc6qpHcr81Gc25oZC2FHCqNwyYhqCciSd0MP9_Xlj
uGnE_1qOEPpPZDUqOmrflsRowgnVILCK3wQKC-
2YImQCpMinHuBic34nlJef4yCUheWMgqrVg3WnH9FEnMgp6glTa6L4g0_Qykr-
6IOyp4uHgEbq3MIE1QNbvZKxnlKH3EAbGDHiuXvScsLHBqzyOEWEI_s9mboGSN8z8IPO0pT7SaNVr_3AwuVxqw-
eaXq1vE9Aa0WuAqzI3M9yvmr14M6AwEog_SvzqbsZZgHV6JYvk1qwsxDQg4ZyryUPo_mTMLJJWyDt8lbFPn8dUqLygu
Cj0Z2tO0ML5cS6FEP8JNYivN8wWUsgtCCBuJNfzoX5u1CkyX1Jsqc4WVJypqoqxCuSoJmuPcPXQgJZmdWR-
OeEuLZQslAfKs1-Tsywr-QZqbcAoM3t56SB3cN-EJXRWscleOEZe7-
skmsAYw7wa1ACXHGGDtLzK54_UCF0xuriyn_a5rm8ISO9CkxGYQJDsdGdGRE50Yh6P1P0QjT5WYreDxsENKeF_oxlU8T
0iT4tCzv-6wM5-
lQ9mITNjp2nQcQ33XtYcu9rPtW7BBRe0VkvE97DT0Bbn4uuztA4EUcf_JLcpoQu27ReDI_vEfcn4g9vFDZJlmK2dlxAPYO
eDWwzXoMcYrwdLPC5o1hHsZjoSGtVjzEHn84y4mlDvwry7iDUICD4GWk0Pju5yBZzDfcUeCTMSkeY3aRZy2GFkjPeOyh
ozw72-TnYFcduci1zilHeyq49x7h-
LvLxpWhfm7UKTLFFUmyppzhZUnKmqirEK5KgmA49w9dCAImZ1ZH454S4tICyUB8pLX5OzLCv5BmptwCgze3nplHdw34Q
6_jgTd4YiBYGKkf_lhG7LSUHRKz3_GC5E4s88TU70oeVrk1YOg4v1IN39S-azGYMHP-
R7dZjBcT7m9w3Yj6JqtiJsr_2h_FRNONRu-Eu7EDp1uwnGK3-
dakdCDQJRMCDwhs6DCps8BQ1AsOosuVIFq1SqDoTM6BWowkoxQzrmmdtoCdPXai0f0sTU4cf-
WVNHjiSRMLhhar4Jnwhgdjl7znUDuH88SSPSf9DS2WHaZ3DgBFbq5BW0HkoGkAfmRNW2SoOyej0OAZOPMDIUKokt
aevwCuTzW57tSzAsbLv6blem-R-
2myE_TAaqsPgLb9c9Y_5uUfZFZNCjGEXjTc7PuPotM4XQwpDxhwJcjFaRoD_Z1gho7qxsRGWYLz-
OeSPJxNU9TUwvefvrT1_zk5O2dk-
ERxsd6IDES_imFRhuUpS8zJHpoUUBdbjULD7GqnPlJzqqkdyvzUZzbmhkLYs1RnWlm9c0sneguAy7G0sPKsRFmrz7nq2L6
ya5sE67TVZJCuZ9TSdqfipnfJiBHDEP4OF6EmWewmVibYzDcHPxnMO9ZZyzKQNfuC80ni61Hp0NEeewvnINEc0BZlyPh
MmPiTB8VmJLiDuMjuKgD9wEj_aezu-
0X1wF2I3mSydynN6pkPdHP85yilCx3eNgyiSN99J6bd0bHTAo5eku7oRo5QMcntLklyM76mg3Nkze5xWICZyOrHHZ7
W2tCcF5X2gmLDMmFQOo58cOugxOquFi0X25LEGh1wzuMEcQlyBWkFGPyvDNRkNmNrVQFMJ8pMmBrUeVhhNE6
DtliUODVYCcpKJ7iYpgtI7h9kwFec_TZBj2DNjt1wwDGXuEF-
bylPtJo1Wv_cDC5XGrD55pewL9mkiZQqS4Quh3azqSD1bwQMvi9BpS2gO1vZd8RikuVvk9me1EgxGWUazfupfvTwj0Xg
DP2SswUsQ6K5keKqwOys7VMex4h_eGGEYgcyltkvQUWpvaJbejTiFpnNCfxZyGqINTYxKXVxyq5koQlByY-
JMhXWYkuI04yO4qAP3ASP9p7O77RfXAXYjeZLJ3Kc3qmQ90c_znKlgLEPd42DN8AsrcgRmLwpXZfFYM1RW9VAzVZarg
fF9XBRphdQLZ4W8yBiD29xnYRajNXslWCFT50hLnS4l_mNCxV2jYcOyNQq2Aq5vhErHWZZj_OA7FTubuMce53tB1F5Ly
dfQ32zYAOmXIX6zPwX4-
J2EytIzCvrlUoEOsGSrZyJscfboohGpEHKu43sggOoaSsnY0qwdS5nmTzgt85WGfxnT587zTlBk8WBk381uEYBriyGwfx
XmL3q_KtCTNHDh0yWQNOB2TgtHkETYt4XBA7YUUnFvncp68_f80YO2f3RC-
mgyiNVsXg05QL7Ik1EQUH06I5inJogmTJQcB7B0leGtEHS4sBHeN6Ms9uF93DQ-vZyYok4hLyg2DbfA-
akBOsyTLONGW4ObBqye9shn8JMiKe0z_RcmeViwuOkNNOGPdNjrJj4kwfFZiS4g7jl7ioA_cBI_2ns7vtF9cBdiN5ksncpze
qZD3Rz_OcoiAsQ93jYM3wCytyBGYvCnFI8VgzVFbfB6az8b2Pu_qbhhW513HW-
A4IHUGNpsvzDNAAI_EBDFOhFQtiyP25enchyDvTYBiZh7Zg46CT8463IstUo59HhUeLn38EJGmvzxjAm62wa83mePC9D
WTldQYnLkeQ7f6sS6NoyegA69mP1p7KPSZOTTXTQNMJwgJbt-l7nl0nrdOdFNH0DOcPtzmG6aP1mTapysg_G-

```
HafZLQm2qRVdLqz33FXXkLHoTg1PkoPiAF6-b1SJPyruoOG84UI3AhAsQ_GlmXFXn6JRLZz7GW-tXGh_a-OxyB-
QlbGPW_o3EJpi38uO2Dzga7LIX-8Vt-
JldxsL6r4zl5u9X5BppiajP7gbSxYrQrTeNV7iBAoZ6pdKypAVV93D9Zlg4f_XhjtjLJz9fBkJl8lIGkXxSljUxleD3Pd_c5ug1goM
o1VZI,"}
```

Response Data after Decryption

```
{ "ResponseCode": "000", "ResponseDescription": "Successful", "SystemServiceID": ["4", "4", "4", "4", "16"], "SystemServiceName": ["Electricity", "Electricity", "Electricity", "Electricity", "Data Topup"], "ProductID": ["5", "27", "28", "29", "32"], "ProductName": ["torrent power electricity billpayment", "Zental", "Adani Power", "DLF Power", "Tigo"], "ProductDescription": ["wsdl product for electricity bill pay testing", "Zental", "Adani Power", "DLF Power", "Tigo"], "BatchID": ["5", "27", "28", "29", "32"], "BatchName": ["torrent power electricity billpayment", "Zental", "Adani Power", "DLF Power", "Tigo"], "BatchDescription": ["wsdl product for electricity bill pay testing", "Zental", "Adani Power", "DLF Power", "Tigo"], "ProductCode": ["testbillpay", "27", "28", "29", "9999"], "MinimumValue": [16000, 1000, 5000, 19900, 8800], "MaximumValue": [160000, 500000, 500000, 59900, 999900], "ImageURL": [null, null, null, null, null], "Country": ["NGA", "NGA", "NGA", "NGA", "NGA"], "CompanyID": ["10", "29", "30", "31", "34"], "CompanyName": ["torrent", "Billpay MultiSelect", "Billpay_Checkbox", "Billpay_Dropdown", "Tigo"], "FieldLevel": ["3", "5", "5", "5", "2"], "FieldInfo": [{"FieldID": 1, "FieldName": "Test", "FieldType": "String", "FieldKey": "DF", "Validation": {"RegularExpression": "\\", "MinLength": "1", "MaxLength": "12"}, "Values": "\\", "ID": "1055653"}, {"FieldID": 2, "FieldName": "test1", "FieldType": "String", "FieldKey": "test1", "Validation": {"RegularExpression": "\\", "MinLength": "\\", "MaxLength": "\\", "Values": "\\", "ID": "7426726"}, {"FieldID": 3, "FieldName": "Code", "FieldType": "Number", "FieldKey": "CD", "Validation": {"Min": "100", "Max": "200"}, "Values": "\\", "ID": "6465783"}], [{"FieldID": 1, "FieldName": "Gender", "FieldType": "MultiSelect", "Validation": "\\", "Values": {"1": "Male", "2": "Female", "3": "Nothing"}], [{"FieldID": 2, "FieldName": "Designation", "FieldType": "MultiSelect", "Validation": "\\", "Values": {"1": "Senior", "2": "Junior", "3": "Trainee"}], [{"FieldID": 3, "FieldName": "Role", "FieldType": "MultiSelect", "Validation": "\\", "Values": {"11": "Developer", "22": "QA", "33": "Admin"}], [{"FieldID": 4, "FieldName": "Branch Address", "FieldType": "MultiSelect", "Validation": "\\", "Values": {"1": "Branch 1", "2": "Branch 2", "3": "Branch 3", "4": "Branch 4", "5": "Branch 5"}], [{"FieldID": 5, "FieldName": "Consumer Type", "FieldType": "MultiSelect", "Validation": "\\", "Values": {"1": "First Time", "2": "Regular", "3": "Premium"}], [{"FieldID": 1, "FieldName": "Gender", "FieldType": "CheckBox", "Validation": "\\", "Values": {"1": "Male", "2": "Female", "3": "Nothing"}], [{"FieldID": 2, "FieldName": "Role", "FieldType": "CheckBox", "Validation": "\\", "Values": {"1": "Senior", "2": "Junior", "3": "Trainee"}], [{"FieldID": 3, "FieldName": "Designation", "FieldType": "CheckBox", "Validation": "\\", "Values": {"1": "Developer", "2": "QA", "3": "Admin", "4": "DBA"}], [{"FieldID": 4, "FieldName": "Branch", "FieldType": "CheckBox", "Validation": "\\", "Values": {"1": "Branch 1", "2": "Branch 2", "3": "Branch 3", "4": "Branch 4", "5": "Branch 5"}], [{"FieldID": 5, "FieldName": "Consumer Type", "FieldType": "CheckBox", "Validation": "\\", "Values": {"1": "First Time", "2": "Regular", "3": "Premium"}], [{"FieldID": 1, "FieldName": "Gender", "FieldType": "Dropdown", "Validation": "\\", "Values": {"1": "Male", "2": "Female", "3": "Nothing"}], [{"FieldID": 2, "FieldName": "Designation", "FieldType": "Dropdown", "Validation": "\\", "Values": {"1": "Senior", "2": "Junior", "3": "Trainee"}], [{"FieldID": 3, "FieldName": "Role", "FieldType": "Dropdown", "Validation": "\\", "Values": {"11": "Developer", "22": "QA", "33": "Admin", "44": "DBA"}], [{"FieldID": 4, "FieldName": "Branch", "FieldType": "Dropdown", "Validation": "\\", "Values": {"1": "Branch 1", "2": "Branch 2", "3": "Branch 3", "4": "Branch 4", "5": "Branch 5"}], [{"FieldID": 5, "FieldName": "Consumer Type", "FieldType": "Dropdown", "Validation": "\\", "Values": {"1": "First Time", "2": "Regular", "3": "Premium"}]
```



```

":{"Field Name":"Role"},"Field
Type":"Dropdown","Validation":"","Values":{"3":"Senior","2":"Junior","1":"Trainee"},"Field3\
":{"Field Name":"Designation"},"Field
Type":"Dropdown","Validation":"","Values":{"1":"Developer","2":"QA","3":"Admin","4":"DB
A"},"Field4":{"Field Name":"Branch"},"Field
Type":"Dropdown","Validation":"","Values":{"1":"Branch 1","2":"Branch 2","3":"Branch
3","4":"Branch 4","5":"Branch 5"},"Field5":{"Field Name":"Consumer Type"},"Field
Type":"Dropdown","Validation":"","Values":{"1":"First
Time","2":"Regular","3":"Premium"}},"Field1":{"Field Name":"Designation"},"Field
Type":"Dropdown","Validation":"","Values":{"1":"Manager","2":"Developer"},"Field2":{"Field
Name":"Role"},"Field
Type":"Radio","Validation":"","Values":{"1":"Admin","2":"DBA","3":"QA"}},"SurchargeType":[
"Percentage","Percentage","Percentage","Percentage","Percentage"],"SurchargeValue":["10.00","20.00","20.00","2
0.00","20.00"]}

```

BillPay

Request Syntax

Field Details

Field TAG	Field Brief	Remark	Example	Field Type	Optional (O) Mandatory (M)	Encryption
TerminalNumber	Terminal No.	Unique ID of the Terminal of Third-Party Integrator Platform	36925874	Numeric	M	Not Required
MethodName	Method Name	Method Name= BillPay	Not Applicable	Not Applicable	M	Required
SessionID	Session ID	Unique ID of every transaction- Session	Abcd1234	Alpha Numeric	M	Required
RequestUniqueID	Unique Request No.	TPIP's Ref No for Request	147852369	Numeric	M	Required
TransactionKey	Transaction Key	Unique Key for every Transaction performed by TPIP	123654987	Numeric	M	Not Required
ProductCode	Product Code	Unique Code given to Product Name by TPIP	BTOPUP1	Alpha Numeric	M	Required
SystemServiceID	System Service ID	Service Category ID, pre-defined in MobiFin Transaction Switch platform	258987	Numeric	M	Required
BillPayData	Bill Pay Data	Bill Pay reference data in JSON format	{"ConsumerNumber": "123", "CycleNumber": "526"}	Alpha Numeric	M	Required
Amount	Amount	Topup Amount. This is in multiple of 100.	100=1	Numeric	M	Required
FromANI	Sender's Mobile no.	Mobile of Third-Party Integrator Platform	9876543210	Numeric	O	Required
Email	Sender's Email-id	Email-id of Third-Party Integrator Platform	abc@xyz.com	Alpha Numeric	O	Required

Response Syntax

Field Details

Field TAG	Field Brief	Remark	Example	Field Type	Decryption
ResponseCode	Response Code	Response Code for Request	000	Numeric	Required
ResponseDescription	Response Description	Description of respective Response Code	Successful	Alphanumeric	Required
ConfirmationCode	Confirmation Code	Ref no of Payment from Service Provider	5874123	Numeric	Required
AuditNo	Audit No	Unique ID from Service Provider	6544123	Numeric	Required
ProviderResponse	Response from Service Provider	Transaction Status: Successful/Failed	{"TransactionId": "120612", "OperatorCode": "20131114"}	Alphanumeric	Required
ProductInfo	Product info	Description of product	Bill Payment Airtel product 1	String	Required
OperatorRequestID	Operator Request ID	Unique Operator Request Code	545452	Numeric	Required
AuthorizeKey	Authorize Key	Unique Authorization key	847876465	Numeric	Required

Example for Data Encryption and Decryption

Encryption

Post Data Before Encryption =>

TerminalNumber=47199692&TransactionKey=6835010743&Data={"SessionID": "70487b25-2832-4fb7-aae9-d147f0644640", "RequestUniqueID": "746466575756", "ProductCode": "testbillpay", "SystemServiceID": "4", "BillPayData": {"DOJ": "2014-10-11 23:59:59", "Salary": 8567, "Designation": "2", "DOB": "2014-10-12", "Experience": "2", "Meter_No": 15, "Hobby": ["2", "1"], "Festivals": ["2", "4"], "Department": "2"}, "Amount": "16000", "FromANI": "", "Email": "", "MethodName": "BillPay"}

Encryption Key to be used: Key received in response of Encryption Key request.

Post Data After Encryption =>

TerminalNumber=47199692&TransactionKey=6835010743&Data=UpqGXmze6VCagQaBJn-3FJAsOtirmE9c1dJJSOGjUJPCOovDhwr63nPpngdB_yliQQQYR4cITtuKU4RyF3NPargu1I2on3cC9DAIVpCfKshY0mhtG-

tJ6051iKSWr5K8pjtIEs8PVfWA72qHHEX9zf5cU4hUWmniw8WDGkdBLalkeHwOCYsalKjkqdtfTJWCIIclm9d-
jmMw7XFcFOyJPM5BJ5hEJNU-hXShP3Yb46oF9LSVTR4X3NPm1z-rdCnw5NA-
jIkgTGj78t_76fSSrwn2NxCKZyLRN8LzjOt-
alAHZnzsuh3WykqCx12ozDThSWNXGrd1Pfp6mzEUuatDnUAI45rwsWuutdbdWx8svWkWez3kbsiHVSDZuDIPcuYeXs1
eGawoBGtyMqfVbbZaabpphVezSRChxFpV9vbMV1KImOLL2F65jDIqs3Z6JPfXZlApwr9N_Szl-
5RY8O8MmflCm_KTtckfBKVW7rA5zOsGC2OajTCNIjblDxA5fxjhFocglT5vk-
mqRKiuQhTrWe6ci5UTnvU5mud6d7CrF0HCY7sD24_uswq6WjSfkMgOs1QQGFUtPiiRPS3pwHEMkppnWmyAuRlosA7
XaaFANQqmKLn37VgBCUH0XmHie_BNKVFSkurT2se3IGDYKW0hV513aFQZQOyfkZ7W6p1QjkywPUV4yNhFjDcR-
enVHetI

Decryption

Response Data before Decryption

```
{"Data": "JhUYACbTYq2g6Y5yXutfhHBA4vDvccRpmTPP6Ckg0zcXuknqR12VNdsitB8qJfcfiQnyPILL7APmZkWlpao8JyBG  
7Ltyz38UxELcH0smmA6mZMX7ux_tMVlefgvUSnnIhi5r6hgrg-lAxr1BTzsl2eaHzz2OrvBy4CKyvuKjyA,"}
```

Response Data after Decryption

```
{"ResponseCode": "091", "ResponseDescription": "Connection Error"}
```

Billpay Transaction Status Check

Request Syntax

Field Details

Field TAG	Field Brief	Remark	Example	Field Type	Optional (O) Mandatory (M)	Encryption
TerminalNumber	Terminal No.	Unique ID of the Terminal of Third-Party Integrator Platform	36925874	Numeric	M	Not Required
MethodName	Method Name	Method Name= BillpayStatusCheck	Not Applicable	Not Applicable	M	Required
SessionID	Session ID	Unique ID of every transaction- Session	Abcd1234	Alpha Numeric	M	Required
RequestUniqueID	Unique Request No.	TPIP's Ref No for Request	147852369	Numeric	M	Required
TransactionKey	Transaction Key	Unique Key for every Transaction performed by TPIP	123654987	Numeric	M	Not Required
TransactionRequestUniqueID	Unique Request No.	TPIP's Ref No for Transaction Request for which status is being checked	25891234	Numeric	M	Required

Response Syntax

Field Details

Field TAG	Field Brief	Remark	Example	Field Type	Decryption
ResponseCode	Response Code	Response Code for Request	000	Numeric	Required
ResponseDescription	Response Description	Description of respective Response Code	Successful	Alphanumeric	Required
TransactionResponseCode	Response Code	Response Code received after Transaction	000	Numeric	Required
TransactionResponseDescription	Response Description	Response Description received after Transaction	Successful	Alphanumeric	Required
ConfirmationCode	Confirmation Code	Code received after Transaction	abc132	Alphanumeric	Required

VendorAuditID	Vendor side Audit ID no	Vendor side Audit ID no received after Transaction	5486	Numeric	Required
---------------	-------------------------	--	------	---------	----------

Example for Data Encryption and Decryption

Encryption

Post Data Before Encryption =>

TerminalNumber=47199692&TransactionKey=6835010743&Data={"SessionID":"5cb61d09-3eab-4b21-84eb-7620d2d2540a","RequestUniqueID":"746747765657","TransactionRequestUniqueID":"6786879789789","MethodName":"BillpayStatusCheck"}

Encryption Key to be used: Key received in response of Encryption Key request.

Post Data After Encryption =>

TerminalNumber=47199692&TransactionKey=6835010743&Data=kyRFPcLh7aLDqpaDNaj9s0IG_r0MkS6QXmkJWYzXzyDyZvtDYHBpmLTV-8XzXEVz_Vj07e9fWfZBbS_hw0NWWNk6tUFMRQM34EvVAXhPyJ7DcjaqTkQ0KfqCzqjaJFT079AlQevcksaZWsgvMghw8DrbxxVeltrd1H5AAEZncadd2hUGUDsnyne1uqdUI5MDIm0wj9GI9pOJqXB8KmsRaS6sRYbRnSN86jjLrhInwk,

Decryption

Response Data before Decryption

{"Data":{"JhUYACbTYq2g6Y5yXutfhPjVpCbXlljmFHb4Z-rzPUoSXnwpwd0BdGtgh86kX8oB-NWkJvGUiOYUdvhn6vM9SgA7ZLwd8KFlokfu2AWnbxWYumiMjXqmJeBjO5HS2zsf1F310yIR1xm0q06ZAjyoalqyhZhrmS9UIZdglymMxtr_9Dbh1kJyjajhZvYxXLzn_HUXs4dryzQzzDk7yrLei0oLQ22lyq8-8aqlzeT3rwbff6ql4A8y7OphHPO8CoRbMOznTAY_qYUX55e-URSG,,,"}}

Response Data after Decryption

{"ResponseCode":"000","TransactionResponseCode":"000","TransactionResponseDescription":"Successful","ConfirmationCode":"75120140308120601","VendorAuditID":"3679","ResponseDescription":"Successful"}

Voucher Transaction Functions

Voucher Product Retrieval

Request Syntax

Field Details

Field TAG	Field Brief	Remark	Example	Field Type	Optional (O) Mandatory (M)	Encryption
TerminalNumber	Terminal No.	Unique ID of the Terminal of Third-Party Integrator Platform	36925874	Numeric	M	Not Required
MethodName	Method Name	Method Name= VoucherProductDetails	Not Applicable	Not Applicable	M	Required
SessionID	Session ID	Unique ID of every transaction-Session	Abcd1234	Alpha Numeric	M	Required
RequestUniqueID	Unique Request No.	TPIP's Ref No for Request	147852369	Numeric	M	Required
TransactionKey	Transaction Key	Unique Key for every Transaction performed by TPIP	123654987	Numeric	M	Required
SystemServiceID	System Service ID	Service Category ID, pre-defined in MobiFin Transaction Switch platform	258987	Numeric	M	Required

Response Syntax

Field Details

Field TAG	Field Brief	Remark	Example	Field Type	Decryption
ResponseCode	Response Code	Response Code for Request	001	Numeric	Required
ResponseDescription	Response Description	Description of respective Response Code	---	Alphanumeric	Required
SystemServiceID	System Service ID	Service Category ID, pre-defined in MobiFin Transaction	258987	Numeric	Required

		Switch platform			
SystemServiceName	System Service Name	Service Category Name, pre-defined in MobiFin Transaction Switch platform	MTopUp	Alphabetic	Required
ProductID	Product ID	From MobiFin Transaction Switch	2143	Numeric	Required
ProductName	Product Name	From MobiFin Transaction Switch	MTopUp	Alphabetic	Required
ProductDescription	Product Description	From MobiFin Transaction Switch	MTopUp	Alphabetic	Required
ProductType	Product Type; Flexi=0, Fix=1	From MobiFin Transaction Switch	258987	Numeric	Required
BatchID	Batch ID	From MobiFin Transaction Switch	2143	Numeric	Required
BatchName	Batch Name	From MobiFin Transaction Switch	MTopUp	Alphabetic	Required
BatchDescription	Batch Description	From MobiFin Transaction Switch	MTopUp	Alphabetic	Required
ProductCode	Product Code	From MobiFin Transaction Switch	Abcd2143	Alphanumeric	Required
MinimumValue	Denomination of Product	Fix: Min=Max,	2143	Numeric	Required
MaximumValue		Flexi: Min<Max . From MobiFin Transaction Switch	2143	Numeric	Required
ImageURL	Image URL	From MobiFin Transaction Switch	Abcd2143	Alphanumeric	Required

Country	Country	From MobiFin Transaction Switch	India	Alphabetic	Required
SurchargeType	Surcharge Type	From MobiFin Transaction Switch. Any of below two value type may be received in response: Either 'Percentage' or 'Fix Amount'	---	Alphabetic	Required
SurchargeValue	Surcharge Value	From MobiFin Transaction Switch	258987	Numeric	Required
Quantity	Quantity	Voucher Quantity	100	Numeric	Required
ProductInfoID	Product Info ID	Voucher Category ID	123	Numeric	Required
ProductInfoName	Product Category Name	Voucher Category Name	CallInRoam Gold	Alphabetic	Required
ProductInfoDescription	Product Category Description	Voucher Category Description	Premium Calling Card Voucher	Alphabetic	Required
ProductInfo	Product info	Description of product	Mtopup Airtel product 1	String	Required
FieldInfo	Field Info	Refer below example	---	Json	Required
NotificationInfo	Notification Info	Refer below example	---	Json	Required

Example for FieldInfo (Json)

```
{
  "Field1": {
    "FieldName": "ConsumerNumber",
    "FieldType": "String",
    "FieldKey": "CN",
```

```
"Validation": {
  "RegularExpression": "",
  "MinLength": "5",
  "MaxLength": "10"
},
"Values": ""
},
"Field2": {
  "FieldName": "CycleNumber",
  "FieldType": "String",
  "FieldKey": "CLSNO",
  "Validation": {
    "RegularExpression": "",
    "MinLength": "1",
    "MaxLength": "10"
  },
  "Values": ""
},
"Field3": {
  "FieldName": "testdropdown",
  "FieldType": "Dropdown",
  "FieldKey": "testdrop",
  "Validation": "",
  "Values": {
    "1": "abc",
    "2": "xyz",
    "3": "pqr"
  }
},
```

```

"Field4": {
  "FieldName": "testmultiselect",
  "FieldType": "MultiSelect",
  "FieldKey": "testmulti",
  "Validation": "",
  "Values": {
    "a": "ggfgg",
    "b": "sdgdg",
    "c": "gfhfgh"
  }
}
}

```

Example of NotificationInfo (Json)

```

"NotificationInfo": [
  {
    "Phone": "",
    "Email": {
      "Title": "Company Email",
      "Required": "Required"
    }
  }
]

```

Example for Data Encryption and Decryption

Post Request url => [http:// URL-3.com/productrest/productrest](http://URL-3.com/productrest/productrest)

Encryption

Post Data before Encryption

=> TerminalNumber=82551159&TransactionKey=1099010990&Data={"SessionID":"2937c309-2172-493d-895e-7162406e754e","RequestUniqueID":"7546746778678","SystemServiceID":"","MethodName":"VoucherProductDetails"}

Encryption Key to be used: Key received in response of Encryption Key request.

Post Data after Encryption

=>

TerminalNumber=82551159&TransactionKey=1099010990&Data=WYubNeuO8BdVk6XGDA5kkKNpzUZPTCb7grh4Wx-ywlbxWyIDuOr-GLDEZFmWnXPOA6WsKVjRopIQRFFS12cCVqEZiIt2UWVvdPI4ZPxhm1viRdx_Bt-bLgQsMs3FkOsU51MDWhXqiz8cN7b2aYovLHhHz5qEn4L2oB__OAWhgu1XrdCZuSNFZTIOWFL8fJ

Decryption

Response Data before Decryption

```
{
  "Data": "AlvSkcZyYdCqQH3b6zz6ERBXCig5y8buDI0tnZLlwXJGVU5rQjnJhbm8F4PUCLiKwCsMeVBP5FcEsfWhwh7SpO8zGLFZWikWLINKJZOZik9ACMtZrMrolLswZzhG78L44MPTViAVCaTSX6IOV6HBRgWA8XEXObUT9ywoje9F17YeEsFTinUVBCT28crila7Fb1ZyO-emV85RG08kVc3nJj_SgkNxpU86_gcPRP0KrKgd2mm3fez-rtnEhj5DjGyfAYwP-X1dBrUB1RcbD0khRhGJvFc3_z_9AshG9gLLQaLJv53ENLaQn2ej-cGXk-eO_aXocn9HHBjciTTtaFYw9-A01D5hZDWvi1PVhd845r45ZucPLhnOGUiOV6cMfjdpMq4Vy8BkoY3Qqcg220EqScKWfPh2kwjIAhfqly2RAANSTRebBbc7NKirK0jiLKIZ2isfZ94jf5-qOdhKMgQwBULJfuztnNiopPp6E8XAKPL6NIP_Y4FtbwSEEueLxD_MKDCnQ5aoAFF3kAjt-3jElxIjYunSgcXZGMNCufLKn-cwXg60I00jolynp2PHpW3UIAy_mHnytKLw3GmhoMahc-DC5CUOjgw9pPNb_JvGGH76RdM78W5YE5nvG2YQDU2IMm9v1fYrNeoDImIR3gK0kF-BOLuGglTc4RTMquTG51cNsBet5UwxKiS_jHV5vCxWqafABBT4asvGeBn9lc4OfOZZzIVxBIK2sXYsDAdDpsIdhEVIHdK3dZwwliYApXPCwCCbFmmP9H3DiR_0zcK7jSEcAb5NAXN7-iKeF0UBdVWeEBYn67hPGUA03xid4ymUI6eiEXRjaUME_7u5ByMD8WQrD7RDOJcmDZwOz3cLS4Gn1Jnp-Uyy6AcktikJ_GGUvNdNjIUkKZ6o6m76npr_JUWXpUGdgtGaeeDu6kLiQVIkZQmUiCW4eS2v9IdRcxT6szZWCe4cqBdDs q3GejnvYX3a4yTrJTmbQv3vP-myAlfe4Pv86loIX05sqQ-DhFSrdaPnLgZibC3gu27-_zYyICBlcE-2WozUuUasmvAq0VTT7_h-fZtw5H68bW8JTq7NT-eZjAuZFazqQMmYz0QA,,}"
}
```

Response Data after Decryption

```
{
  "ResponseCode": "000",
  "ResponseDescription": "Successful",
  "SystemServiceID": ["32", "32"],
  "SystemServiceName": ["Wireless PIN", "Wireless PIN"],
  "ProductID": ["3", "4"],
  "ProductName": ["test stock flexi product", "test fix stock"],
  "ProductDescription": ["test stock flexi product", "test fix stock"],
  "ProductType": ["0", "1"],
  "BatchID": ["2", "3"],
  "BatchName": ["test stock flexi plan", "test fix stock plan"],
  "BatchDescription": ["test stock flexi plan", "test fix stock plan"],
  "ProductCode": ["sku01", "sku02"],
  "MinimumValue": [100, 500],
  "MaximumValue": [10000, 500],
  "ImageURL": [null, null],
  "Country": ["NGA", "NGA"],
  "SurchargeType": ["Fix Amount", "Percentage"],
  "SurchargeValue": ["1.00", "30.00"],
  "Quantity": ["10", "10"],
  "ProductInfoID": ["1", "1"],
  "ProductInfoName": ["Macd", "Macd"],
  "ProductInfoDescription": ["200 rs off", "200 rs off"],
  "ProductInfo": [null, null]
}
```

Voucher-Flexi

Request Syntax

Field Details

Field TAG	Field Brief	Remark	Example	Field Type	Optional (O) Mandatory (M)	Encryption
TerminalNumber	Terminal No.	Unique ID of the Terminal of Third-Party Integrator Platform	36925874	Numeric	M	Not Required
MethodName	Method Name	Method Name= VoucherFlexi	Not Applicable	Not Applicable	M	Required
SessionID	Session ID	Unique ID of every transaction-Session	Abcd1234	Alpha Numeric	M	Required
RequestUniqueID	Unique Request No.	TPIP's Ref No for Request	147852369	Numeric	M	Required
TransactionKey	Transaction Key	Unique Key for every Transaction performed by TPIP	123654987	Numeric	M	Not Required
ProductCode	Product Code	Unique Code given to Product Name by TPIP	BTOPUP1	Alpha Numeric		Required
VoucherData	Voucher Data	Voucher reference data in JSON format	{"ConsumerNumber": "123", "CycleNumber": "526"}	Alpha Numeric	M	Required
SystemServiceID	System Service ID	Service Category ID, pre-defined in MobiFin Transaction Switch platform	258987	Numeric	M	Required
Quantity	Quantity	Voucher Quantity	100	Numeric	M	Required
Amount	Amount	Voucher-sale Amount.	100=1	Numeric	M	Required

		This is in multiple of 100.				
FromANI	Sender's Mobile no.	Mobile of Third-Party Integrator Platform	9876543210	Numeric	O	Required
Email	Sender's Email-id	Email-id of Third-Party Integrator Platform	abc@xyz.com	Alpha Numeric	O	Required

Response Syntax

Field Details

Field TAG	Field Brief	Remark	Example	Field Type	Decryption
ResponseCode	Response Code	Response Code for Request	000	Numeric	Required
OperatorRequestID	Operator Request ID	Unique Operator Request Code	545452	Numeric	Required
ConfirmationCode	Confirmation Code	Ref no of Voucher-Sale from Service Provider	5874123	Numeric	Required
AuditNo	Audit No	Unique ID from Service Provider	6544123	Numeric	Required
VoucherPIN	Voucher PIN	Example of VoucherPIN	---	---	Required
VoucherDetails	Voucher Details	Example of VoucherDetails	---	---	Required
ResponseDescription	Response Description	Description of respective Response Code	Successful	Alphanumeric	Required

Example of VoucherPIN

```
[
  {"PIN\":"3646767147\"},
  {"PIN\":"3646767148\"}
]
```

Example of VoucherDetails

```
[
  {
    "Provider Name\\":\\"B2C Provider\\",
    "Provider Service\\":\\"Wireless PIN\\",
    "Topup Currency\\":\\"USD\\",
    "CardID\\":\\"335936\\",
    "Validity\\":\\"461\\"
  },
  {
    "Provider Name\\":\\"B2C Provider\\",
    "Provider Service\\":\\"Wireless PIN\\",
    "Topup Currency\\":\\"USD\\",
    "CardID\\":\\"335937\\",
    "Validity\\":\\"462\\"
  }
]
```

Example for Data Encryption and Decryption

Post Request url => http:// URL-3.com/productrest/productrest

Encryption**Post Data before Encryption =>**

```
TerminalNumber=82551159&TransactionKey=1099010990&Data={"SessionID":"2937c309-2172-493d-895e-7162406e754e","RequestUniqueID":"7857867887867","ProductCode":"sku01","SystemServiceID":"32","Quantity":"1","Amount":"500","FromANI":"","Email":"","MethodName":"VoucherFlexi"}
```

Encryption Key to be used: Key received in response of Encryption Key request.

Post Data after Encryption

=>

```
TerminalNumber=82551159&TransactionKey=1099010990&Data=WYubNeuO8BdVk6XGDA5kkKNpzUZPTCb7grh4Wx-ywIbxWylDuDOr-GLDEZFmWnXPOA6WsKVjRopIQRFFS12cCTFjMr1vTL7yqrsVY3vrdJ6PKkPvcXerE1dpH5KJwNsp_C1035JxMMLsLfd6z3xQnXm6gHZ9U8xBg2kEexl2q7Y9hapnm5eWyyIRKcdExKW9G9z4zego1HwbcPBYd0B5LvH8H2VPuQhXXfIXz99AQi3SKLPp5Nfn1heh60DbjGrDx-Ewsd6ox853XFRhYaGcli04UNtH0eauqU9gBFycDM,
```

Decryption**Response Data before Decryption**

```
{"Data":"AlvSkcZyYdCqQH3b6zz6EVIssAH65_KbXCc9-Z9yhfrz24BUDY24sEtQ9ATV3YzsPDoKapl-Yh_Ea3kbJ2RrPg,"}
```

Response Data after Decryption

```
{"ResponseCode":"091","ResponseDescription":"Connection Error"}
```

Voucher-Fix

Request Syntax

Field Details

Field TAG	Field Brief	Remark	Example	Field Type	Optional (O) Mandatory (M)	Encryption
MethodName	Method Name	Method Name= VoucherFix	Not Applicable	Not Applicable	M	Required
TerminalNumber	Terminal No.	Unique ID of the Terminal of Third-Party Integrator Platform	36925874	Numeric	M	Not Required
RequestUniqueID	Unique Request No.	TPIP's Ref No for Request	147852369	Numeric	M	Required
TransactionKey	Transaction Key	Unique Key for every Transaction performed by TPIP	123654987	Numeric	M	Not Required
ProductCode	Product Code	Unique Code given to Product Name by TPIP	BTOPUP1	Alpha Numeric	M	Required
VoucherData	Voucher Data	Voucher reference data in JSON format	{"ConsumerNumber":"123","CycleNumber":"526"}	Alpha Numeric	M	Required
SystemServiceID	System Service ID	Service Category ID, pre-defined in MobiFin Transaction Switch platform	258987	Numeric	M	Required
Quantity	Quantity	Voucher Quantity	100	Numeric	M	Required
FromANI	Sender's Mobile no.	Mobile of Third-Party Integrator Platform	9876543210	Numeric	O	Required
Email	Sender's Email-id	Email-id of Third-Party Integrator Platform	abc@xyz.com	Alpha Numeric	O	Required

Response Syntax

Field Details

Field TAG	Field Brief	Remark	Example	Field Type	Decryption
ResponseCode	Response Code	Response Code for Request	000	Numeric	Required
OperatorRequestID	Operator Request ID	Unique Operator Request Code	545452	Numeric	Required
ConfirmationCode	Confirmation Code	Ref no of Voucher-Sale from Service Provider	5874123	Numeric	Required
AuditNo	Audit No	Unique ID from Service Provider	6544123	Numeric	Required
VoucherPIN	Voucher PIN	Example of VoucherPIN	---	---	Required
VoucherDetails	Voucher Details	Example of VoucherDetails	---	---	Required
ResponseDescription	Response Description	Description of respective Response Code	Successful	Alphanumeric	Required
ProductInfo	Product info	Description of product	Mtopup Airtel product 1	String	Required
AuthorizeKey	Authorize Key	Unique Authorization key	847876465	Numeric	Required

Example for Data Encryption and Decryption

Encryption

Post Data before Encryption =>

TerminalNumber=47199692&TransactionKey=6835010743&Data={"SessionID":"bae6eca5-c442-48ff-b2eb-b2d687a91485","RequestUniqueID":"7896797979","ProductCode":"sku02","SystemServiceID":"32","Quantity":"1","FromANI":"","Email":"","MethodName":"VoucherFix"}

Encryption Key to be used: Key received in response of Encryption Key request.

Post Data after Encryption =>

TerminalNumber=47199692&TransactionKey=6835010743&Data=yX_cY9jPffEtFz9sVDG8w5badY_Rd0lb9P91v8Op2zOisPWJJSD_RiFeoanJkBGRX5rz85uhSTkC1xu_ee5Wkke4LjU7-o7z7rOK7ioEgmhKlywXHQCTetvajtJhOHfvyQy-fZSX4b-jtL3B4vC4WrQy-14R2ZcmWHh57RFFZ4TBoNWigY_FN-K-7gYf56vOubu2hXR45CKeP-f5LlarkYfu22e77p0R8tc20KphYHQf1tOk3Rp3fdyCR8JxOrAtZ5ofPPY6u8HLgIrK-4qPIA,,

Decryption

Response Data before Decryption

```
{"Data":"JhUYACbTYq2g6Y5yXutfhHBA4vDvccRpmTPP6Ckg0zcXuknqR12VNdsitB8qJfcfiQnyPILL7APmZkWlpao8J_bfOqsy25QbqRYCCX9W1JmQbzegA_HafBa2mHYImQRIAFsgTUtFSbBoReQlwx6cW2eaHzz2OrvBy4CKyvuKjyA,"}
```

Response Data after Decryption

```
{"ResponseCode":"091","ResponseDescription":"Connection Error"}
```

Voucher Transaction Status Check

Request Syntax

Field Details

Field TAG	Field Brief	Remark	Example	Field Type	Optional (O) Mandatory (M)	Encryption
TerminalNumber	Terminal No.	Unique ID of the Terminal of Third-Party Integrator Platform	36925874	Numeric	M	Not Required
MethodName	Method Name	Method Name= VoucherStatusCheck	Not Applicable	Not Applicable	M	Required
SessionID	Session ID	Unique ID of every transaction- Session	Abcd1234	Alpha Numeric	M	Required
RequestUniqueID	Unique Request No.	TPIP's Ref No for Request	147852369	Numeric	M	Required
TransactionKey	Transaction Key	Unique Key for every Transaction performed by TPIP	123654987	Numeric	M	Not Required
TransactionRequestUniqueID	Unique Request No.	TPIP's Ref No for Transaction Request for which status is being checked	25891234	Numeric	M	Required

Response Syntax

Field Details

Field TAG	Field Brief	Remark	Example	Field Type	Decryption
ResponseCode	Response Code	Response Code for Request	000	Numeric	Required
ResponseDescription	Response Description	Description of respective Response Code	Successful	Alphanumeric	Required
TransactionResponseCode	Response Code	Response Code received after Transaction	000	Numeric	Required
TransactionResponseDescription	Response Description	Response Description received after Transaction	Successful	Alphanumeric	Required
ConfirmationCode	Confirmation Code	Code received after Transaction	abc132	Alphanumeric	Required

VendorAuditID	Vendor side Audit ID no	Vendor side Audit ID no received after Transaction	5486	Numeric	Required
---------------	-------------------------	--	------	---------	----------

Example for Data Encryption and Decryption

Encryption

Post Data before Encryption =>

TerminalNumber=47199692&TransactionKey=6835010743&Data={"SessionID":"5cb61d09-3eab-4b21-84eb-7620d2d2540a","RequestUniqueID":"747575777867","TransactionRequestUniqueID":"6847111111111111","MethodName":"VoucherStatusCheck"}

Encryption Key to be used: Key received in response of Encryption Key request.

Post Data after Encryption =>

TerminalNumber=47199692&TransactionKey=6835010743&Data=kyRFPcLh7aLDqpaDNaj9s0IG_r0MkS6QXmkJWYzXzyDyZvtDYHBpmLTV-8XzXEVz_Vj07e9fWfZBbS_hw0NWWBfimX9txNqmKalloEKUr0TJgMhZQ-hc5QQR57S_LJX8079AIQevcksaZWSgvMghw0oKA6nIRBoOcuN-EE4uqwilh7AcbAQujomBVuTH2Gla6DATnCUQanL1b2t6JLzsn424e1Fbw1DAKpUGyOJeil,

Decryption

Response Data before Decryption

{"Data":{"JhUYACbTYq2g6Y5yXutfhPjVpCbXlljmFHb4Z-rzPUoSXnwpwd0BdGtgh86kX8oB-NWkJvGUiOYUdvhn6vM9SgA7ZLwd8KFlokfu2AWnbxWYumiMjXqmJeBjO5HS2zsf1F310yIR1xm0q0q6ZAJyoesHiEE71FgvhRM355GdFHgXblSdtu5xkNy_BAU_RzaQ0UHhgZmPUTLpNmzOGdDsxelmFm3j990XkY9NcmplX1KNcjHWB0fruPqQKl_ma4Y4"}}

Response Data after Decryption

{"ResponseCode":"000","TransactionResponseCode":"000","TransactionResponseDescription":"Successful","ConfirmationCode":"19818","VendorAuditID":"4210","ResponseDescription":"Successful"}

Wallet Transaction Functions

Wallet Product Retrieval

Request Syntax

Field Details

Field TAG	Field Brief	Remark	Example	Field Type	Optional (O) Mandatory (M)	Encryption
TerminalNumber	Terminal No.	Unique ID of the Terminal of Third-Party Integrator Platform	36925874	Numeric	M	Required
MethodName	Method Name	Method Name= WalletProductDetails	Not Applicable	Not Applicable	M	Required
SessionID	Session ID	Unique ID of every transaction- Session	Abcd1234	Alpha Numeric	M	Required
RequestUniqueID	Unique Request No.	TPIP's Ref No for Request	147852369	Numeric	M	Required
TransactionKey	Transaction Key	Unique Key for every Transaction performed by TPIP	123654987	Numeric	M	Required
SystemServiceID	System Service ID	Service Category ID, pre-defined in MobiFin Transaction Switch platform	258987	Numeric	O	Required

Response Syntax

Field Details

Field TAG	Field Brief	Remark	Example	Field Type	Decryption
ResponseCode	Response Code	Response Code for Request	001	Numeric	Required
ResponseDescription	Response Description	Description of respective Response Code	Successful	Alphanumeric	Required
SystemServiceID	System Service ID	Service Category ID, pre-defined in MobiFin	258987	Numeric	Required

		Transaction Switch platform			
SystemServiceName	System Service Name	Service Category Name, pre-defined in MobiFin Transaction Switch platform	MTopUp	Alphabetic	Required
ProductCode	Product Code	Unique Code given to Product Name by TPIP	BTOPUP1	Alpha Numeric	Required
MinimumValue	Denomination of Product	Fix: Min=Max,	2143	Numeric	Required
MaximumValue		Flexi: Min<Max . From MobiFin Transaction Switch	2143	Numeric	Required
ProductID	Product ID	From MobiFin Transaction Switch	2143	Numeric	Required
ProductName	Product Name	From MobiFin Transaction Switch	MTopUp	Alphabetic	Required
ProductDescription	Product Description	From MobiFin Transaction Switch	MTopUp	Alphabetic	Required
BatchID	Batch ID	From MobiFin Transaction Switch	2143	Numeric	Required
BatchName	Batch Name	From MobiFin Transaction Switch	MTopUp	Alphabetic	Required
BatchDescription	Batch Description	From MobiFin Transaction Switch	MTopUp	Alphabetic	Required
ServiceID	Service ID	From MobiFin Transaction Switch	54254	Numeric	Required
ServiceName	Service Name	Service Category Name, pre-defined in MobiFin Transaction Switch platform	Mobile money	Alphabetic	Required
ServiceType	Service Type	Service category Name, pre-define in MobiFin Transaction Switch platform	CashIn, Cashout	Alphabetic	Required
FieldLevel	Field Level	Field Level (1to 9) pre-defined in MobiFin Transaction Switch platform	1	Numeric	Required

FieldInfo	Field Info	Refer below example	---	Json	Required
NotificationInfo	Notification Info	Refer below example	---	Json	Required
AllowMinorCurrency	Allow Minor Currency	True- Allow False - Disallow	True	Alphabetic	Required
ProductType	Product Type; Flexi=0, Fix=1	From MobiFin Transaction Switch	258987	Numeric	Required
BatchID	Batch ID	From MobiFin Transaction Switch	2143	Numeric	Required
ImageURL	Image URL	From MobiFin Transaction Switch	Abcd2143	Alphanumeric	Required

Example for FieldInfo (Json)

```
{
  "Field1": {
    "FieldName": "ConsumerNumber",
    "FieldType": "String",
    "FieldKey": "CN",
    "Validation": {
      "RegularExpression": "",
      "MinLength": "5",
      "MaxLength": "10"
    },
    "Values": ""
  },
  "Field2": {
    "FieldName": "CycleNumber",
    "FieldType": "String",
    "FieldKey": "CLSNO",
    "Validation": {
      "RegularExpression": "",
```

```
        "MinLength": "1",
        "MaxLength": "10"
    },
    "Values": ""
},
"Field3": {
    "FieldName": "testdropdown",
    "FieldType": "Dropdown",
    "FieldKey": "testdrop",
    "Validation": "",
    "Values": {
        "1": "abc",
        "2": "xyz",
        "3": "pqr"
    }
},
"Field4": {
    "FieldName": "testmultiselect",
    "FieldType": "MultiSelect",
    "FieldKey": "testmulti",
    "Validation": "",
    "Values": {
        "a": "ggfgg",
        "b": "sdgdg",
        "c": "gfhfgh"
    }
}
}
```


Example of NotificationInfo (Json)

```
"NotificationInfo":{
  "{ \"Phone\": \"\", \"Email\": { \"Title\": \"Company Email\", \"Required\": \"Required\" } }",
  ""
```

Example for Data Encryption and Decryption

Post Request url => http:// URL-3.com/productrest/productrest

Encryption

Post Data before Encryption

```
=>TerminalNumber=14761227&TransactionKey=1880736703&Data={"function":"WalletProductDetails","SessionID":
":4d4fcb11-2e61-4b4f-aa29-fa439b62b742","RequestUniqueID":"423435435","SystemServiceID":"","MethodName":"WalletProductDetails"}
```

Encryption Key to be used: Key received in response of Encryption Key request.

Post Data after Encryption

```
=>TerminalNumber=14761227&TransactionKey=1880736703&Data=vxM-PTRA8TqseYqg9XEtdUbyY-vsEqFU6tmZ-
nfFTg5rCLVGpePwP2-TtzJDTgtmf4fYK1PvZO_e8EZYlVPrBJzry_0stOG-
HMEpqnrrn9DSeDaeb8JBPqMr7zhk3sslGJfBwxffpqx4peF9BWVb100dRiHMX9RUVVNNvXD5u3n45xbHpK_Q9R6MKcv
dRy1Y8DYblUSvAy-pUQBqBy1tdkRo8xLj70URZVzmmlKLNfvk,
```

Decryption

Response Data before Decryption

```
{"Data":"QsXanSg85X_VmQVPK_vBQG4iJKxf3-ke2fOevpVpA3GKranOTFL4I8znOD8hucjYE0onxL_-
NQQ6EM4VQ0sV43CDK3QySt-L8M2dRrkubA4nV9ICyVDIKQNNINV-ZCf37sOXP-36Vb2aI7x_xComp2vIY-
tsMV6mwwq1BnSr0wRlBvGyXCgZBbRZl2rRa_8eHAIrf2kB2x0vUUWK7FGSQvjOaBOSWEWTF9PXusvKSz6F_1P-uOAs-
d7BqkVzYAbti855mp5q8J8PjGxcDYLTkIKdWuhT6u4nHGfaBGnd7u1dtl78XBljSjrjylyjWAJU_Z8O8S8A-
iZmd24fd2gQUrZbpZOfcy5yEiCMQ20FtIj5C8Zih-
viXU9mbN0_culYncj9bLCOMv_GYNdjHmOuEuk0OIL8voBPEe8L60dAZ9yMJQ3kJ-
dQMhfgoKvggTO_Zr0MpSkd_klc4SjPG76oI6BRI6PeztLO-
4HxZMrnXXV8JmbR2j94dOobCCZpFp6XJCwH9F7LTX9boKJCIIOkx_DCQTQ7YxvPU71X2uX8ZvqjrUgfzaE-
gMPle70GgBV00zTYyC10AxQ_Z1Slcgftnv7VQzAbBIVcYQzw_edckvlfyj_k0HM8eHb_wzcOeilSmNVN1qIMGdEPGGCy
SnW296_00OYIPNCXHcxcHOQYhkYDq3ZqRtuGcMr5SQtESQeybCwiv_4XB961VHvTQACR20GnTzu7AmL2-M1Ykw-
23kEJZbZuNvptTXZhPQZXCZDQ58ossluB6owAEI8YZHP66qR5V0NB6NyTsj75Hj_Iz9PWrSACctbNS1JG5epiBbdJ_HsEY
aPvi6EHKS__p3iTgLSTl7s2d5Q0UX4f4qcjBqDbY3SnFrjrW5B1YtUu-BChww7INbcu61W0FgBit69t-
rdmpG24ZwyvIJCWwRJB7JslCK__hcH3rVUe9NAAJHbAwWNYBEJaOXmi_f-hOXFilmD-
mTk9VmPH5G0skwg_j4KIQFoEpgUIGptOJdlr66iqe0a3fGbTNGarBmC_e7VU5_u8Q_rEME15TrSNjRt9W_p_tu2xPTjy8
VhRaS1EpkVwg01UGtt5B6bPZDaJ8ZF9qOLTyPv0_HnFvNNp6AqfSRxZUiaeleK4QLI95kdNm7umqYbHE-
QDrBMzJGOEspVN91dGN3Og1POs1ppUQSOVEXz5EmdcnJ7NA6vEhp6FB67qmeJxae2Yc98ukU4iQUJ95J-
mMJq7ZlQic2j4tWNOeOx0XDpuVoOEPk3esv_AGmsDYTy4-LgYe_a-
```

GUfyoOy2ozuEKVHbbPAPHzNNGMZ99VvTPclq1ODKjTd7-
xqjPBCove52txXAoaQup8CNS_51fRor73zFrJNZVlaltiNnTyrPW0cdNTHX2BaPzVaXtkVail-UCXg59UXLYDHy-
cY5PyR6kZHjZjJdIjXXESjAOVi4t-
tyfrGhqrPo0rFqTQNUA0jVrq0iI9YmCbvOomKDFLaxt7iXA3fapiSB6Uw3TirKL1jVGggyizYH6Dsxf3IFIQw5mn_rEr0Lo0lB
YjKw21Wq4Ay6U94RrKRJ9kWJYln65mTGEWZhyLCHQHmVpJBkoBbr2Cx7n80lHoBen-
27bE9OPLxWFFpLUSmRXCDTVQa23kHps9kNonxkX2o4tPI-
_T8ecW802noCp9JfFNSJp4h4rhAuX3mR02bu6aphscT5AOsEzMkY4SylU33V0Y3c6DU86zWmlRBI5URfPkSZ1ycns0Dq
8SGnoUHruqZ4nFp7Zhz3y6RTiJBSP3kn6YwmrtmVCJzaPi1Y0547HRcOm5Wg4Q-
Td6y_8AaawNhPLj4uBh79r4ZR_Kg7LajO4QpUdts8CkfM00YxkRn31W9M9yWrU4MqNN3v7GqM8EKi97na3FcChpC6
nwl2z_nV9GivvfMWsk1IU4hq2IhOc1PKs9bRx01MdfYFo_NVpe2RUCKX5QJeDn1RctgMfL5xjk_JHqRkfNmMI0gmNdc
RKMA5WLi363J-saGqs-
jSsWpNA1QDSNWurSKX1iYJu86iYoMUtrG3uJcDd9qmJIHpTdDOKsovWNUaCDKLNgfoOzF_cgUhDDmaf-
sSvQujSUFiMrDbVargDLpT3hGspEn2RYliWfrmZMYRZmHlIdAeZWkkGSgFuvYLHufzQgegF6f7btsT048vFYUWktRKZFc
INNvBrbeQemz2Q2ifGRfaji08j79Px5xbzTaegKn0kV81ImniHiuEC5feZHTZu7pqmGxxPkA6wTMjRjLKVTFdXRjdz0NTzr
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Response Data after Decryption

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```

25","FieldType":"String","FieldKey":"WalletID","Validation":{"RegularExpression":"","MinLength":"10","MaxLength":
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```

Transaction Service

Request Syntax

Field Details

Field TAG	Field Brief	Remark	Example	Field Type	Optional (O) Mandatory (M)	Encryption

MethodName	Method Name	Method Name= TransactionService	Not Applicable	Not Applicable	M	Required
SessionID	Session ID	Unique ID of every transaction-Session	Abcd1234	Alpha Numeric	M	Required
RequestUniqueID	Unique Request No.	TPIP's Ref No for Request	147852369	Numeric	M	Required
TransactionKey	Transaction Key	Unique Key for every Transaction performed by TPIP	123654987	Numeric	M	Not Required
ProductCode	Product Code	Unique Code given to Product Name by TPIP	CashIn1	Alpha Numeric		Required
SystemServiceID	System Service ID	Service Category ID, pre-defined in MobiFin Transaction Switch platform	258987	Numeric	M	Required
WalletData	Wallet Data	Wallet reference data in JSON format	{"ConsumerNumber":"123","CycleNumber":"526"}	Alpha Numeric	M	Required
Amount	Amount	Voucher-sale Amount. This is in multiple of 100.	100=1	Numeric	M	Required
FromANI	Sender's Mobile no.	Mobile of Third-Party Integrator Platform	9876543210	Numeric	O	Required
Email	Sender's Email-id	Email-id of Third-Party Integrator Platform	abc@xyz.com	Alpha Numeric	O	Required

Response Syntax

Field Details

Field TAG	Field Brief	Remark	Example	Field Type	Decryption
ResponseCode	Response Code	Response Code for Request	000	Numeric	Required
ResponseDescription	Response Description	Description of respective Response Code	Successful	Alphanumeric	Required
ConfirmationCode	Confirmation Code	Ref no of Voucher-Sale from Service Provider	5874123	Numeric	Required
AuditNo	Audit No	Unique ID from Service Provider	6544123	Numeric	Required
ProviderResponse	Response from Service Provider	Transaction Status: Successful/Failed	{"TransactionId": "120612", "OperatorCode": "20131114"}	Alphanumeric	Required
AuthorizeKey	Authorize Key	Unique Authorization key	847876465	Numeric	Required

Example for Data Encryption and Decryption

Post Request url => http:// URL-3.com/productrest/productrest

Encryption

Post Data before Encryption =>

```
=>TerminalNumber=18361570&TransactionKey=6121118827&Data={"function":"TransactionService","SessionID":"8f1c81d9-4de8-47f4-9bd7-b4f1911518d8","RequestUniqueId":"23423423424","ProductCode":"ECASHIN","SystemServiceID":"64","WalletData":{"Email":"sports@sports.com"},"Amount":"70000","FromANI":"","Email":"","MethodName":"TransactionService"}
```

Encryption Key to be used: Key received in response of Encryption Key request.

Post Data after Encryption

```
=>TerminalNumber=18361570&TransactionKey=6121118827&Data=yKvT5agHtCUUWyyqZtq8TAX49n1N0MnloQhj7BY2-VA5XiQbepTN3V23fTuv3SaS35GckQVNLAaLxYN5bTjqdcQ7YWE4tlyRdT8qmbGpPUSjAwKI5ebFF-zT4ZaU9QqdkWuLcpvRzCCJAfDrV4sZILAMkdBzxDCJ9gmdmdGUnybxUUYfhRisfKxWRhEdNoMfDqtQ2xoWNwarA_FcNgoHQSccXay2DpG4RXEb5ADuY0eNWX0IBfmgGUDtgX_YqhGAG49YDrtxsl0VPRahFDwUy14s8oM6sQUq8JZkVh1oTtKcNKVBCN5DumgRn71bZCGfEQxNoT_pzj-JmUy92dwwkGmYKfjzRM2Cd33MW2Hxkgz-ZmihbHp-GPQAJviwS
```

Decryption

Response Data before Decryption

```
{"Data": "YjY3uQTWAZCpCIPIDVdqFCIf-  
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```

Response Data after Decryption

```
{"ResponseCode": "000", "OperatorRequestID": "388", "ConfirmationCode": "388", "ProviderResponse": "{\"Transaction  
Id\": \"827\"}", "AuditNo": "2187", "ResponseDescription": "Transaction successful"}
```


Wallet Status Check

Request Syntax

Field Details

Field TAG	Field Brief	Remark	Example	Field Type	Optional (O) Mandatory (M)	Encryption
TerminalNumber	Terminal No.	Unique ID of the Terminal of Third-Party Integrator Platform	36925874	Numeric	M	Not Required
MethodName	Method Name	Method Name= WalletStatusCheck	Not Applicable	Not Applicable	M	Required
SessionID	Session ID	Unique ID of every transaction- Session	Abcd1234	Alpha Numeric	M	Required
RequestUniqueID	Unique Request No.	TPIP's Ref No for Request	147852369	Numeric	M	Required
TransactionKey	Transaction Key	Unique Key for every Transaction performed by TPIP	123654987	Numeric	M	Not Required
TransactionRequestUniqueID	Unique Request No.	TPIP's Ref No for Transaction Request for which status is being checked	25891234	Numeric	M	Required

Response Syntax

Field Details

Field TAG	Field Brief	Remark	Example	Field Type	Decryption
ResponseCode	Response Code	Response Code for Request	000	Numeric	Required
ResponseDescription	Response Description	Description of respective Response Code	Successful	Alphanumeric	Required
ConfirmationCode	Confirmation Code	Ref no of Voucher-Sale from Service	5874123	Numeric	Required

		Provider			
TransactionResponseCode	Response Code	Response Code received after Transaction	000	Numeric	Required
TransactionResponseDescription	Response Description	Response Description received after Transaction	Successful	Alphanumeric	Required
VendorAuditID	Vendor side Audit ID no	Vendor side Audit ID no received after Transaction	5486	Numeric	Required

Example for Data Encryption and Decryption

Encryption

Post Data Before Encryption =>

TerminalNumber=13051480&TransactionKey=6121118827&Data={"function":"WalletStatusCheck","SessionID":"96d9ab24-abc5-426a-8b09-0f506e10d2fd","RequestUniqueID":"3564657568678","TransactionRequestUniqueID":"515","MethodName":"WalletStatusCheck"}

Post Data After Encryption =>

TerminalNumber=13051480&TransactionKey=6121118827&Data=uCYCCSkpFAnd7CFYA3-ztiE8EkNKq0N2QmtrsBzr-J5e5wvWOsOha3auMSG_WDhY3NLnfRKihF5ALphW5PIATW8-ERuXsEf0hJ_NshSd9GrZkmkkHHqq4mUwWla-enWgOo0d9ikYQM_QAFP7q98bMz09Dkblfaj6WJuhmq2kDzdhQ0Qj-i2DSRzdiD4gFzv-x1UxY4YV1QAKUSHFK9qsLZtMSjEqf85ciLQ3uxYPPieQmKFn5MFd2Qz8IJ6FLj4N

Response Data before Decryption

{"Data":"eDudUi_WhGW4D89rPE_-4w9hjaLZZSe8r_Pt1a8r-6OWDyexGUy1AulxAamGr2zJD2GNotIIJ7yv8-3Vryv7o5Sf19anYs6W_rN-D71txbKMgahumklzwUo7qqzBIh95HRfGleCPHMXwY_ku_mYae3g6tDhvpRogEXrMukq-DVVY25gb1WlGBn5xCouYaeBe8JfO48e1F87THR-8V0wYiflIgzGLi5i0fVh6ogf9uSYIikzOHxA-DO4UTf89RHu"}

Response Data after Decryption

{"ResponseCode":"000","TransactionResponseCode":"000","TransactionResponseDescription":"Successful","ConfirmationCode":"2565254254","VendorAuditID":"2429","ResponseDescription":"Successful"}

Distributor Refund Functions (Topup, BillPay, Voucher and Wallet)

Distributor Initiate Request - Common Transaction

Request Syntax

Field Details

Field TAG	Field Brief	Remark	Example	Field Type	Optional (O) Mandatory (M)	Encryption
MethodName	Method Name	Method Name= DstInitiateRequest	Not Applicable	Not Applicable	M	Required
RequestType	Request Type	0-Manual Refund 1-Monitoring	0	Numeric	M	Required
SessionID	Session ID	Unique ID of every transaction- Session	Abcd1234	Alpha Numeric	M	Required
RequestUniqueID	Unique Request No.	TPIP's Ref No for Request	147852369	Numeric	M	Required
TRRequestID	Transaction Request ID	Unique Key for every Transaction performed by TPIP	123654987	Numeric	M	Not Required
Comment	Comments	User comments	Refund due to delay	Alphabetic	M	Required

Response Syntax

Field Details

Field TAG	Field Brief	Remark	Example	Field Type	Decryption
ResponseCode	Response Code	Response Code for Request	001	Numeric	Required
ResponseDescription	Response Description	Description of respective Response Code	Successful	Alphanumeric	Required
RefundID	Refund ID	Unique ID of every Refund transaction	123654987	Numeric	Required

Example for Data Encryption and Decryption

Post Request url => http://localhost:3000/distributormobilerest/distributormobilerest/

Post Data Before Encryption =>

```
TerminalNumber=42304230&Data={"function":"DstInitiateRequest","SessionID":"2a75fc43-fe22-44d5-84a5-37bb05e14f9f","RequestUniqueID":"1558544855","RequestType":"0","TRRequestID":"2578","Comment":"test","Methodname":"DstInitiateRequest"}
```

Post Data After Encryption => TerminalNumber=42304230&Data=OQyZnTkheK0jmtsUFpgldqYR4OZY8ip-CNCdZCuT795-niY4MjpSuc_dkJfxeyo61Kono7-ReKp1VZk08Ns837NLL2lr54VTJfTgUaPKUSuQuxsOaSpVhJ9Bxjzsucn1XMpdamKuMGXFA2AruEH2aPBdHSPEARsyPG2_j6gehIFKijU0gJnEBU0TioXz1RZpgMqgRstnu4OCG1JSISALgvh2NFKWZCa_MvqqIUoeRr6WziYjYz5HKbrb_VT1Q336mcDrDAVGbMv0hXuNlmKxrQ,,

Response Data before Decryption

```
{"Data":{"eU7MKcGoq88DAuqIX7C_mbsdqfxyN7MITGw4T1On53ZtuVI1EhB_Ss5OuAA6O0Pda3UEafLDbLFEMclSRo9mu9e_POCPVgtW8XTS1jsb1A4,"}}
```

Response Data after Decryption

```
{"ResponseCode":"000","ResponseDescription":"Successful","RefundID":"165"}
```

Distributor Refund Status

Request Syntax

Field Details

Field TAG	Field Brief	Remark	Example	Field Type	Optional (O) Mandatory (M)	Encryption
TerminalNumber	Terminal No.	Unique ID of the Terminal of Third-Party Integrator Platform	36925874	Numeric	M	Not Required
SessionID	Session ID	Unique ID of every transaction- Session	Abcd1234	Alpha Numeric	M	Required
RequestUniqueID	Unique Request No.	TIPI's Ref No for Request	147852369	Numeric	M	Required
RefundRequestID	Unique Request No.	TIPI's Ref No for Refund Request	147852369	Numeric	M	Required

Response Syntax

Field Details

Field TAG	Field Brief	Remark	Example	Field Type	Decryption
ResponseCode	Response Code	Response Code for Request	001	Numeric	Required
ResponseDescription	Response Description	Description of respective Response Code	Successful	Alphanumeric	Required
Status	Refund Status	Status of refund at transaction Switch admin level	Initiated	Alphabetic	Required

Example for Data Encryption and Decryption

Post Request url => <http://localhost:3000/distributormobilerest/distributormobilerest/>

Post Data Before Encryption =>

TerminalNumber=42304230&Data={"function":"DstRefundStatus","SessionID":"2a943d1d-02c2-46e3-b4ef-

```
5d8cafe8b6e6","RequestUniqueID":"89965988744","RefundRequestID":"166","MethodName":"DstRefundStatus"}
```

Post Data After Encryption =>

```
TerminalNumber=42304230&Data=OQyZnTkheK0jmtsUFpgldqJS9tA7i5MzHqsxdik-zGTrjkVovHv-SSW6bFKxYbTuG_phD_yBzDMeZhiJ_XmekbbyXDjJR8xcgWZvLPt-NWxkkQ4x7RpYSVCPij92v-Tkqf6jml63DsbN3NQJLEppQ_Zrz-dwRTHKpeGTnNFB5qNI5TasKPLMkq0IYKdX4Dat5HW_GDgtKOfhox1H4WnuQfynPVaIBS6K-f3FA4-WCpA,
```

Response Data before Decryption

```
{"Data":"eU7MKcGoq88DAuqlX7C_mVhLoNIqQ1r4sRIHdhRezlg2odltAH1zkW_XYScds01iVQhN1HtkmbzXzZjni9rcEg73XHdR3L4VYHcm7nLwHV-4BiK04ODTXmqmPrbSwy9g"}
```

Response Data after Decryption

```
{"ResponseCode":"000","Status":"Request Initiated","ResponseDescription":"Successful"}
```

8. Response Codes

Response Code	Description
000	Successful
041	Service Provider Side Authentication Fail
042	Service Provider Side Platform Error
043	Service Provider Side Invalid Request Format
044	Service Provider Side Credit Limit Exceed
045	Service Provider Side Invalid Subscriber Number
046	Service Provider Side Transaction Duplicate
047	Denomination not supported by this provider
049	Service Provider Side Response Time-out
091	Connection Error
092	Response Time-out
099	Service Provider Side Response Pending
100	Fail
101	Database Error
102	Invalid Argument
103	Duplicate Request Unique ID
104	Transaction Under Process
105	Business Client Credit Limit Exceed
106	Invalid RequestUniqueId
107	RequestUniqueId must be less than 19 digit
108	Business Client Login Invalid
109	Business Client Session Invalid
201	Product is Invalid
202	Systemservice is invalid
203	Amount is invalid

204	Product is inactive
205	Product is deleted
206	Provider Data is invalid
207	Product Not Available
208	Duplicate Request ID
209	Client Commission not assign
210	Client Commission not active
211	Client Commission deleted
212	BillPay Company Data Invalid
213	Product Code is Invalid
214	Product Code is Inactive
215	Product Code is Deleted
216	Invalid Request Id
251	Batch is Invalid
252	Systemservice is invalid
253	Batch is inactive
254	Batch is deleted
255	Amount is invalid
256	Product is inactive
257	Product is deleted
258	providerdata is invalid
259	Duplicate Transaction Id
260	Product Not Available
261	Business Client Commission not assign
262	Business Client Commission not active
263	Business Client Commission deleted
264	Product Code is Invalid
265	Product Code is Inactive

266	Product Code is Deleted
267	Invalid Request Id
268	Quantity is Invalid
301	Batch is Invalid
302	Systemservice is invalid
303	Batch is inactive
304	Batch is deleted
305	Amount is invalid
306	Product is inactive
307	Product is deleted
308	Providerdata is invalid
309	Duplicate Transaction Id
310	Product Not Available
311	Business Client Commission not assign
312	Business Client Commission not active
313	Business Client Commission deleted
314	Product Code is Invalid
315	Product Code is Inactive
316	Product Code is Deleted
317	Invalid Request Id
601	Invalid Distributor Login
602	Invalid Checksum
603	Distributor Credit Limit Exceed
604	Invalid Primary Login
605	Primary Login Deleted
606	Matrix is Inactive
607	Matrix Deleted
608	Tree manager Inactive

609	Tree manager deleted
610	Invalid Login
611	Invalid Batch
612	Inactive Batch
613	Batch is deleted
614	Invalid Amount
615	Product is Inactive
616	Product is Deleted
617	Transaction is Under Process
618	Invalid Authorization RequestID
619	Void is Already Done
620	Capture is Already Done
621	Invalid Access Code
622	Product Code Invalid
623	Invalid Transaction Currency
624	Business Client ID Invalid
625	Invalid SessionID
801	Wallet Account Credit Limit Exceed
802	Invalid Wallet Details
803	Insufficient Wallet Balance
804	Wallet Inactive
805	Wallet Deleted
806	Wallet Invalid
807	Invalid Amount
808	Invalid Wallet Profile
809	Wallet not found
810	Invalid Wallet Terminal Access
811	Invalid Wallet Access Type

812	Invalid Wallet KYC
813	Invalid Terminal Number
814	Invalid Login
815	Product Inactive
816	Product Deleted
817	Transaction Under Process
818	Invalid Authorization Request ID
819	Void Process Already Done
820	Capture Process Already Done
821	Invalid Business Client
822	Invalid Wallet Session
823	Duplicate Terminal ID
824	Invalid Batch
825	Product Not Found

9. Sample PHP Code

```
<?php
$restUrl = "http://URL-2.com/distributorclientrest/distributorclientrest";
$TerminalID = '12345678';
$EncryptionKey = '1234567812345678';
$param['RequestUniqueID'] = '6767565555';
$param['MethodName'] = 'DstGenerateSessionID';
$json_string = json_encode($param, true);
$AES = new AES($EncryptionKey);
$Encrypted_string = $AES->encrypt($json_string);

$string = $Encrypted_string;
$ch = curl_init();
curl_setopt($ch, CURLOPT_URL, $restUrl);
curl_setopt($ch, CURLOPT_HEADER, false);

curl_setopt($ch, CURLOPT_POST, true);

curl_setopt($ch, CURLOPT_POSTFIELDS, 'TerminalNumber='.$TerminalID.'&Data='.$string);

curl_setopt($ch, CURLOPT_RETURNTRANSFER, true);
curl_setopt($ch, CURLOPT_TIMEOUT, 60);
curl_setopt($ch, CURLOPT_SSL_VERIFYPEER, false);
curl_setopt($ch, CURLOPT_SSL_VERIFYHOST, 0);
curl_setopt($ch, CURLOPT_HTTPAUTH, CURLAUTH_DIGEST);
$curl_response = curl_exec($ch);

$info = curl_getinfo($ch);

echo "<br /><br /><b>Response Data </b>";
if($info['http_code'] == '200')
{
    echo '<b>before Decryption</b>'. "<br/>";
    echo "<pre>";
    print_r($curl_response);

    $Encrypt_Data = json_decode($curl_response);

    if(isset($Encrypt_Data->ResponseCode) && $Encrypt_Data->ResponseCode != '000')
    {
        echo "<pre>";
        print_r($Encrypt_Data);
    }
}
```

```
        exit;
    } else
    {
        if(!empty($Encrypt_Data) && $Encrypt_Data != "") {
            $value      = $Encrypt_Data->Data;
            $Decrypt_Data = $AES->decrypt($value);
            echo "<br /><br /><b>Response Data </b>";
            echo '<b>after Decryption</b>'. "<br/>";
            echo "<pre>";
            print_r($Decrypt_Data);
            echo "<pre>";
            print_r(json_decode($Decrypt_Data));
        } else
        {
            echo "<pre>";
            print_r($curl_response);
        }
    }
} else
{
    echo "<pre>";
    print_r($info);
}
?>
```