SelfTopUp External Interface API Document

PreTUPS 6.3

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Document History

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Version Number | Created/Modified On: | Description of Changes | Author | Reviewer | Comments |
| 1.0 | 20-04-2014 | Initial version post internal review | RoadMap team |  |  |
| 1.1 |  |  |  |  |  |

Document Information

This chapter gives a brief introduction to the scope and organization of this document.

## Purpose & Scope of this document

The purpose of this document is to describe the interface between PreTUPS and External Gateway Interface. This document covers Self Top Up Services. The scope of this document is limited to the methodology being envisaged for PreTUPS’s service specific APIs, which could be used by External systems to interface with PreTUPS.

## Definitions, Acronyms and Abbreviations

|  |  |
| --- | --- |
| Term | Full Form |
| EXTGW | External Gateway / System |
| HTTP | Hypertext Transfer Protocol |
| API | Application Program Interface |
| XML | Extensible Markup Language |
| O | Optional |
| M | Mandatory |
| N | Numeric |
| A | Alpha Numeric |
| D | Date |
| C | Characters. |

**Field Type: <Type of Field> (<Maximum length of field>) for e.g.**

**A (10)** means the field has alphanumeric value and the maximum length of field can be 10

## Audience

* Comviva team

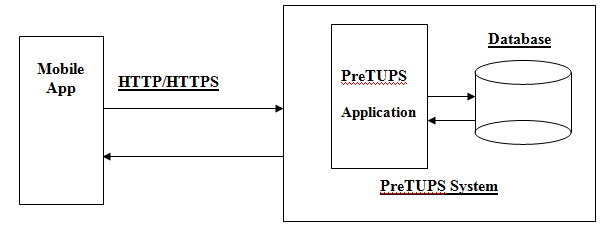
## References

NA

External System (Mobile App) API

The details of the External Gateway (Mobile App) APIs are explained in the subsequent sections.

## Architecture



* **External system (Mobile App)**: The system, which sends the request to PreTUPS System in plain data over http/https.
* **PreTUPS System**: The PreTUPS System includes PreTUPS Application and PreTUPS Database. The Interaction between PreTUPS Application and Database is internal.

## Communication

The communication between External system (Mobile App) and PreTUPS would be HTTP/HTTPS. The External system would make the HTTP/HTTPS connection with PreTUPS and send the request content as plain data. Response of each request would also be sent as plain data.

## Authentication

To authenticate the External system, PreTUPS will define a Gateway for External system. PreTUPS will give the defined gateway information details to External system users. External system will send this gateway information while making HTTP/HTTPS connection with PreTUPS for each request. Authentication information will be send by URL. Details of authentication information are as follows

* LOGIN
* PASSWORD
* REQUEST\_GATEWAY\_CODE
* REQUEST\_GATEWAY\_TYPE
* SERVICE\_PORT
* SOURCE\_TYPE
* Details of above-mentioned field are described in Connection procedure section.

## Connection Procedure

The External system calls the specific URL to make the HTTP/HTTPS Connection with PreTUPS. The details of HTTP Header and URL are mentioned below.

HTTP Header Information

POST <URL> HTTP

Content-type: text/plain

Connection: close

URL

[http://PreTUPShost/STUReceiever?LOGIN=<Login>&Password=<Password>&Request\_Gateway\_Code=<RequestGatewayCode>&Request\_Gateway\_Type=<RequestGatewayType>&Service\_Port=<ServicePort>&Source\_Type=<SourceType](http://PreTUPShost/STUReceiever?LOGIN=%3cLogin%3e&Password=%3cPassword%3e&Request_Gateway_Code=%3cRequestGatewayCode%3e&Request_Gateway_Type=%3cRequestGatewayType%3e&Service_Port=%3cServicePort%3e&Source_Type=%3cSourceType)>

Example

http://PreTUPShost/STUReceiever?LOGIN=123&Password=123&Request\_Gateway\_Code=EXT0011&Request\_Gateway\_Type=EXTGW&Service\_Port=190&Source\_Type=EXT

| Fields | Description | Example | Optional/  Mandatory | Max Length | Remarks |
| --- | --- | --- | --- | --- | --- |
| PreTUPSHost | The IP, port and host name. The IP and Port on which PreTUPS application is running | 172.16.1.109:5555/PreTUPS/ | M | N.A | N.A |
| LOGIN | Login Id of the request gateway, as defined in PreTUPS | Test | M | 10 | This must be registered into PreTUPS System |
| PASSWORD | Password of the request gateway, as defined in PreTUPS | Test | M | 10 | This must be registered into PreTUPS System |
| REQUEST\_GATEWAY\_CODE | Request Gateway Code. This field is used by PreTUPS to identify request interface. | EXT0011 | M | 10 | This must be defined in the PreTUPS System |
| REQUEST\_GATEWAY\_TYPE | Request Gateway Type. This field is used by PreTUPS to identify request interface. | EXTGW | M | 10 | This must be defined in the PreTUPS System |
| SERVICE\_PORT | Service port of the request gateway, as defined in PreTUPS | 190 | M | 10 | This must be defined in the PreTUPS System |
| SOURCE\_TYPE | Source Type of the request gateway, as defined in PreTUPS | EXTSYS | M | 10 | Fixed value |

* Actual values would be shared with MTM during deployment

## Subscriber Registration Request

Registration Request has been broken into two separate requests. Request1 and Request2.

# Request1 Syntax

TYPE=STPREGREQ1&IMEI=<IMEI no>&MSISDN=<Initiating Subscriber MSISDN>&LANGUAGE1=0&UCODE=<UNIQUE CODE NO>

**Fields Detail**

| TAG | Fields | Example | Max Length | Optional/Mandatory | Remarks |
| --- | --- | --- | --- | --- | --- |
| TYPE | STPREGREQ1 | STPREGREQ1 | 10 | M | Request Type. Static & fixed value |
| IMEI | IMEI number | 58HVDKGGGGG56T | 15 | M | NUMERIC |
| MSISDN | Subscriber mobile number | 9942222 | 15 | M | All MSISDN should be without country code.  (National dial format) |
| LANGUAGE1 | Language 1 | 0(en) | 1 | M | Locale type |
| UCODE | Unique code | 142536 |  | M | Alphanumeric |

# Business Rules

* The value for TYPE tag is fixed as mentioned in syntax.

# Response1 Syntax

**Null**(as we don’t need to give any response to the request coming from SMSC)

# Request2 Syntax

TYPE=STPREGREQ2&IMEI=<IMEI no>&MSISDN=7200000000&LANGUAGE1=0&UCODE=<UNIQUE CODE NO>

**Fields Detail**

| TAG | Fields | Example | Max Length | Optional/Mandatory | Remarks |
| --- | --- | --- | --- | --- | --- |
| TYPE | STPREGREQ2 | STPREGREQ2 | 10 | M | Request Type. Static & fixed value |
| IMEI | IMEI number | 58HVDKGGGGG56T | 15 | M | NUMERIC |
| MSISDN | Dummymobile number | 7200000000 | 10 | M | Dummy MSISDN that shall come in the request. |
| LANGUAGE1 | Language 1 | 0(en) | 1 | M | Locale type |
| UCODE | Unique code | 142536 |  | M | Alphanumeric |

# Business Rules

* The value for TYPE tag is fixed as mentioned in syntax.

# Response2 Syntax

TYPE=STPREGRES2&TXNSTATUS=<Transaction Status>&MESSAGE=<Message>&ENK=<Encryption key>

Fields Detail

| TAG | Fields | Example | Max Length | Optional/Mandatory | Remarks |
| --- | --- | --- | --- | --- | --- |
| TYPE | STPREGRES2 | STPREGRES2 | 10 | M | Response Type. Static & fixed value |
| TXNSTATUS | Request Status | 200 | 5 | M | Transaction Status i.e.  Transaction OK (200), failed other status |
| MESSAGE | Transaction Message | Success or fail | 150 | M | Message related to the error code. |
| ENK | Encryption key | 643F68EB343877FB833EBAB43B3C7E3B | 32 | M | Unique encryption key |

# Business Rules

* The value for TYPE tag is fixed as mentioned in syntax.
* The initiator subscriber (List owner) would receive a SMS notifying the successful/un-successful registration.

## P2P Change PIN Request

The External system will send the following request for changing the PIN in PreTUPS. The request format and details of request are mentioned below.

# Request Syntax

TYPE=STPCPNREQ&IMEI=<IMEI no>&MSISDN=<Initiating Subscriber MSISDN>&OLDPIN=<Subscriber Old PIN>&NEWPIN=<Subscriber New PIN>&CONFIRMPIN=<Subscriber Confirm PIN>&LANGUAGE1=0

**Fields Detail**

| TAG | Fields | Example | Max Length | Optional/Mandatory | Remarks |
| --- | --- | --- | --- | --- | --- |
| TYPE | STPCPNREQ | STPCPNREQ | 10 | M | Request Type. Static & fixed value |
| IMEI | IMEI number | 58HVDKGGGGG56T | 15 | M | NUMERIC |
| MSISDN | Subscriber mobile number | 9942222 | 15 | M | All MSISDN should be without country code.  (National dial format) |
| OLDPIN | Subscriber Old PIN as registered in PreTUPS | 3946 | 4 | M | Numeric Only. |
| NEWPIN | Subscriber New PIN | 2833 | 4 | M | Numeric Only. |
| CONFIRMPIN | Subscriber Confirm PIN | 2833 | 4 | M | Numeric Only. |
| LANGUAGE1 | Language 1 | 0(en) | 1 | M | Locale type |

# Business Rules

* The value for TYPE tag is fixed as mentioned in syntax.

# Response Syntax

TYPE=STPCPNRES&TXNSTATUS=<Transaction Status>&MESSAGE=<Message>

Fields Detail

| TAG | Fields | Example | Max Length | Optional/Mandatory | Remarks |
| --- | --- | --- | --- | --- | --- |
| TYPE | STPCPNRES | STPCPNRES | 10 | M | Response Type. Static & fixed value |
| TXNSTATUS | Request Status | 200 | 5 | M | Transaction Status i.e.  Transaction OK (200), failed other status |
| MESSAGE | Transaction Message | Succes or fail. | 150 | M | Message specific to the error code. |

# Business Rules

* The value for TYPE tag is fixed as mentioned in syntax.

## Add Card Detail Request

The External system will send the following request for adding a card in PreTUPS. The request format and details of request are mentioned below.

# Request Syntax

TYPE=STPACREQ&IMEI=<IMEI no>&MSISDN=<Initiating Subscriber MSISDN>&PIN=<Subscriber PIN>&HOLDERNAME=<Holder Name>&CARDNO=<Card number>&EDATE=<Card’s Expiry date>&NNAME=<Subscriber Nick Name>&LANGUAGE1=0

**Fields Detail**

| TAG | Fields | Example | Max Length | Optional/Mandatory | Remarks |
| --- | --- | --- | --- | --- | --- |
| TYPE | STPACREQ | STPACREQ | 10 | M | Request Type. Static & fixed value |
| IMEI | IMEI number | 58HVDKGGGGG56T | 15 | M | NUMERIC |
| MSISDN | Subscriber mobile number | 9942222 | 15 | M | All MSISDN should be without country code.  (National dial format) |
| PIN | Subscriber PIN as registered in PreTUPS | 3946 | 4 | M | Numeric Only. |
| HOLDERNAME | Name on card | Abc Verma | 20 | M | Alphabets only |
| CARDNO | Number on card | 1234 5678 1234 5678 | 16 | M | Numbers only |
| EDATE | Expiry date | 01/20 | 05 | M | MM/YY |
| NNAME | Nick Name of the subscriber | JackList1 | 10 | M | Alphanumeric, single word |
| LANGUAGE1 | Language 1 | 0(en) | 1 | M | Locale type |

# Business Rules

* The value for TYPE tag is fixed as mentioned in syntax.

# Response Syntax

TYPE=STPACRES&TXNSTATUS=<Transaction Status>&MESSAGE=<Message>

Fields Detail

| TAG | Fields | Example | Max Length | Optional/Mandatory | Remarks |
| --- | --- | --- | --- | --- | --- |
| TYPE | STPACRES | STPACRES | 10 | M | Response Type. Static & fixed value |
| TXNSTATUS | Request Status | 200 | 5 | M | Transaction Status i.e.  Transaction OK (200), failed other status |
| MESSAGE | Transaction Message | Success or fail | 150 | M | Message specific to the error code. |

# Business Rules

* The value for TYPE tag is fixed as mentioned in syntax.

## Modify Card Detail Request

The External system will send the following request for modifying the registered card in PreTUPS. The request format and details of request are mentioned below.

# Request Syntax

TYPE=STPMCREQ&IMEI=<IMEI no>&MSISDN=<Initiating Subscriber MSISDN>&PIN=<Subscriber PIN>&NNAME=<Subscriber Nick Name>&NEWNNAME=<Subscriber New Nick Name>&LANGUAGE1=0

**Fields Detail**

| TAG | Fields | Example | Max Length | Optional/Mandatory | Remarks |
| --- | --- | --- | --- | --- | --- |
| TYPE | STPMCREQ | STPMCREQ | 10 | M | Request Type. Static & fixed value |
| IMEI | IMEI number | 58HVDKGGGGG56T | 15 | M | NUMERIC |
| MSISDN | Subscriber mobile number | 9942222 | 15 | M | All MSISDN should be without country code.  (National dial format) |
| PIN | Subscriber PIN as registered in PreTUPS | 3946 | 4 | M | Numeric Only. |
| NNAME | Name of the subscriber | JackList1 | 10 | M | Alphanumeric, single word |
| NEWNAME | New Nick name | Sam | 10 | M | Alphanumeric and Unique. |
| LANGUAGE1 | Language 1 | 0(en) | 1 | M | Locale type |

# Business Rules

* The value for TYPE tag is fixed as mentioned in syntax.

# Response Syntax

TYPE=STPMCRES&TXNSTATUS=<Transaction Status>&MESSAGE=<Message></MESSAGE>

Fields Detail

| TAG | Fields | Example | Max Length | Optional/Mandatory | Remarks |
| --- | --- | --- | --- | --- | --- |
| TYPE | STPMCRES | STPMCRES | 10 | M | Response Type. Static & fixed value |
| TXNSTATUS | Request Status | 200 | 5 | M | Transaction Status i.e.  Transaction OK (200), failed other status |
| MESSAGE | Transaction Message | Success or fail | 150 | M | Message specific to the error code. |

# Business Rules

* The value for TYPE tag is fixed as mentioned in syntax.
* The initiator subscriber (List owner) would receive a SMS notifying the successful/un-successful modification.

## View Card Details Request

The External system will send the following request for viewing the registered card(s) in PreTUPS. The request format and details of request are mentioned below.

# Request Syntax

TYPE=STPVCREQ&IMEI=<IMEI no>&MSISDN=<Initiating Subscriber MSISDN>&PIN=<Subscriber PIN>&LANGUAGE1=0

**Fields Detail**

| TAG | Fields | Example | Max Length | Optional/Mandatory | Remarks |
| --- | --- | --- | --- | --- | --- |
| TYPE | STPVCREQ | STPVCREQ | 10 | M | Request Type. Static & fixed value |
| IMEI | IMEI number | 58HVDKGGGGG56T | 15 | M | NUMERIC |
| MSISDN | Subscriber mobile number | 9942222 | 15 | M | All MSISDN should be without country code.  (National dial format) |
| PIN | Subscriber PIN as registered in PreTUPS | 3946 | 4 | M | Numeric Only. |
| LANGUAGE1 | Language 1 | 0(en) | 1 | M | Locale type |

# Business Rules

* The value for TYPE tag is fixed as mentioned in syntax.

# Response Syntax

TYPE=STPVCRES&REGISTEREDCARDS=<No of registered cards>&CARDDETAILS=< encrypted card no only last 4 digit visible; Holder Name;card type;Expiry date;nick name1; # encrypted card no only last 4 digit visible; Holder Name;card type;Expiry date;nick name1; >&TXNSTATUS=<Transaction Status>

Fields Detail

| TAG | Fields | Example | Max Length | Optional/Mandatory | Remarks |
| --- | --- | --- | --- | --- | --- |
| TYPE | STPVCRES | STPVCRES | 10 | M | Response Type. Static & fixed value |
| REGISTEREDCARDS | Number of registered cards. | 1,2,3 | 10 | M | Numeric only |
| CARDDETAILS | Comma separated card details. | xxxxxxxxxxxx0007;vikas;Visa;09/15;GUTHIRE;#xxxxxxxxxxxx1337;giftcard1;Unknown;06/21;GUTHI; | 300 | M | Comma seprated. |
| TXNSTATUS | Request Status | 200 | 5 | M | Transaction Status i.e.  Transaction OK (200), failed other status |
| MESSAGE | Transaction Message | Success or fail | 150 | O | Message specific to the error code. |

# Business Rules

* The value for TYPE tag is fixed as mentioned in syntax.

## Delete Card Request – External System XML API

The External system will send the following request for deleting the registered card from the subscriber’s list in PreTUPS. The request format and details of request are mentioned below.

# Request Syntax

TYPE=STPDCREQ&IMEI=<IMEI no>&MSISDN=<Initiating Subscriber MSISDN>&PIN=<Subscriber PIN>&NNAME=<Subscriber Nick Name>&LANGUAGE1=0

**Fields Detail**

| TAG | Fields | Example | Max Length | Optional/Mandatory | Remarks |
| --- | --- | --- | --- | --- | --- |
| TYPE | STPDCREQ | STPDCREQ | 10 | M | Request Type. Static & fixed value |
| IMEI | IMEI number | 58HVDKGGGGG56T | 15 | M | NUMERIC |
| MSISDN | Subscriber mobile number | 9942222 | 15 | M | All MSISDN should be without country code.  (National dial format) |
| PIN | Subscriber PIN as registered in PreTUPS | 3946 | 4 | M | Numeric Only. |
| NNAME | Name of the subscriber’s schedule credit transfer list that needs to be deleted completely | JackList1 | 10 | M | Alphanumeric, single word |
| LANGUAGE1 | Language 1 | 0(en) | 1 | M | Locale type |

# Business Rules

* The value for TYPE tag is fixed as mentioned in syntax.

# Response Syntax

TYPE=STPDCRES&TXNSTATUS=<Transaction Status>&MESSAGE=<Message>

Fields Detail

| TAG | Fields | Example | Max Length | Optional/Mandatory | Remarks |
| --- | --- | --- | --- | --- | --- |
| TYPE | STPDCRES | STPDCRES | 10 | M | Response Type. Static & fixed value |
| TXNSTATUS | Request Status | 200 | 5 | M | Transaction Status i.e.  Transaction OK (200), failed other status |
| MESSAGE | Transaction Message | Success or this request cannot be processed etc. | 150 | M | Message related to the error code. |

# Business Rules

* The value for TYPE tag is fixed as mentioned in syntax.
* The initiator subscriber (List owner) would receive a SMS notifying the successful/un-successful deletion.

## Recharge through Registered card

The External system will send the following request for topup through the registered card from the subscriber’s list in PreTUPS. The request format and details of request are mentioned below.

# Request Syntax

TYPE=RGRCREQ&IMEI=<IMEI no>&MSISDN=<Initiating Subscriber MSISDN>&PIN=<Subscriber PIN>&MSISDN2=<Receiver MSISDN>&AMOUNT=<Amount>&SELECTOR=1&LANGUAGE1=0&LANGUAGE2=0&NNAME=<Subscriber Nick Name>&CVV=<cvv>

**Fields Detail**

| TAG | Fields | Example | Max Length | Optional/Mandatory | Remarks |
| --- | --- | --- | --- | --- | --- |
| TYPE | RGRCREQ | RGRCREQ | 10 | M | Request Type. Static & fixed value |
| IMEI | IMEI number | 58HVDKGGGGG56T | 15 | M | NUMERIC |
| MSISDN | Subscriber mobile number | 9942222 | 15 | M | All MSISDN should be without country code.  (National dial format) |
| PIN | Subscriber PIN as registered in PreTUPS | 3946 | 4 | M | Numeric Only. |
| MSISDN2 | Receiver MSISDN | 9942222 | 15 | M | All MSISDN should be without country code.  (National dial format) |
| AMOUNT | Amount | 100 | 14 | M | Numeric or decimal if system preference is true. |
| SELECTOR | Selector | 1,2,3  CVG,C,VG | 1 | M | Only the one’s configured in system. |
| LANGUAGE1 | Language 1 | 0(en) | 1 | M | Locale type |
| LANGUAGE2 | Language 2 | 0(en) | 1 | M | Locale type |
| NNAME | Nick Name of the subscriber | JackList1 | 10 | M | Alphanumeric, single word |
| CVV | CVV | 332 | 3 | M | Numeric Only. |

# Business Rules

* The value for TYPE tag is fixed as mentioned in syntax.

# Response Syntax

TYPE=RGRCRES&TXNSTATUS=*<Transaction Status>&*MESSAGE=<Transaction Message>

Fields Detail

| TAG | Fields | Example | Max Length | Optional/Mandatory | Remarks |
| --- | --- | --- | --- | --- | --- |
| TYPE | RGRCRES | RGRCRES | 10 | M | Response Type. Static & fixed value |
| TXNSTATUS | Request Status | 200 | 5 | M | Transaction Status i.e.  Transaction OK (200), failed other status |
| MESSAGE | Transaction Message | Success or fail | 150 | M | Message specific to the error code. |

# Business Rules

* The value for TYPE tag is fixed as mentioned in syntax.

## Adhoc Recharge

The External system will send the following request for top up with the necessary details of the card. The request format and details of request are mentioned below.

# Request Syntax

TYPE=ADRCREQ&IMEI=<IMEI no>&MSISDN=<Initiating Subscriber MSISDN>&PIN=<Subscriber PIN>&MSISDN2=<Receiver MSISDN&AMOUNT=<Amount>&SELECTOR=1&LANGUAGE1=0&LANGUAGE2=0 &HOLDERNAME=<Holder Name>&CARDNO=<Card number>&EDATE=<Card’s Expiry date>&CVV=<cvv>

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| TAG | Fields | Example | Max Length | Optional/Mandatory | Remarks |
| TYPE | ADRCREQ | ADRCREQ | 10 | M | Alphabets only. |
| IMEI | IMEI number | 58HVDKGGGGG56T | 15 | M | Numeric |
| MSISDN | Subscriber mobile number | 9942222 | 15 | M | All MSISDN should be without country code.  (National dial format) |
| PIN | Subscriber PIN as registered in PreTUPS | 3946 | 4 | M | Numeric Only. |
| MSISDN2 | Receiver MSISDN | 9942222 | 15 | M | All MSISDN should be without country code.  (National dial format) |
| AMOUNT | Amount | 100 | 5 | M | Numeric or decimal depending on system preference. |
| SELECTOR | Selector | 1,2,3  CVG,C,VG | 1 | M | Numeric |
| LANGUAGE1 | Language 1 | 0(en) | 1 | M | Numeric |
| LANGUAGE2 | Language 2 | 0(en) | 1 | M | Numeric |
| HOLDERNAME | Holder Name | Ross Geller | 20 | M | Alphanumeric |
| CARDNO | Card Number | 1234 5678 1234 5567 | 16 | M | Numeric only |
| EDATE | Card’s Expiry date | 01/12 | 5 | M | MM/YY |
| CVV | CVV | 543 | 3 | M | Numeric Only |

**Fields Detail**

# Business Rules

* The value for TYPE tag is fixed as mentioned in syntax.

# Response Syntax

TYPE=ADRCRES&TXNSTATUS=*<Transaction Status>*&MESSAGE=<Transaction Message>

Fields Detail

| TAG | Fields | Example | Max Length | Optional/Mandatory | Remarks |
| --- | --- | --- | --- | --- | --- |
| TYPE | ADRCRES | ADRCRES | 10 | M | Response Type. Static & fixed value |
| TXNSTATUS | Request Status | 200 | 5 | M | Transaction Status i.e.  Transaction OK (200), failed other status |
| MESSAGE | Transaction message | Success or Fail | 150 | M | Message specific to error code |

# Business Rules

* The value for TYPE tag is fixed as mentioned in syntax.
* The initiator subscriber (List owner) would receive a SMS notifying the successful/un-successful request.

## Schedule Recharge Activation

User can schedule the recharge from his/her registered list of card(s) by sending the below request.

# Request Syntax

TYPE=SCHATPREQ&MSISDN=<MSISDN>&IMEI=<IMEI>&FREQUENCY=<W(week)/M(month)/O(once)>&DAY=<1-Number of Days in Current Month E.g. 1-31 in case of October(in case of Month and Once)/Sunday-Saturday(in case of Week)>&AMOUNT=<AMOUNT>&NNAME=<NICK NAME>&PIN=<PIN>&ENDDATE=<dd/mm/yy>&LANGUAGE1=0

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| TAG | Fields | Example | Max Length | Optional/Mandatory | Remarks |
| TYPE | SCHATPREQ | SCHATPREQ | 10 | M | Alphabets only. |
| IMEI | IMEI number | 58HVDKGGGGG56T | 15 | M | Numeric |
| MSISDN | Subscriber mobile number | 9942222 | 15 | M | All MSISDN should be without country code.  (National dial format) |
| PIN | Subscriber PIN as registered in PreTUPS | 3946 | 4 | M | Numeric Only. |
| FREQUENCY | Frequency | M/W/O | 1 | M | **W**(week)/**M**(month)/**O**(once |
| AMOUNT | Amount | 100 | 5 | M | Numeric or decimal depending on system preference. |
| DAY | Day | 1-31(in case of Month and Once)  1-7(in case of Week) | 2 | M | Numeric |
| LANGUAGE1 | Language 1 | 0(en) | 1 | M | Numeric |
| CARDNO | Card Number | 1234 5678 1234 5567 | 16 | M | Numeric only |
| ENDDATE | Schedule topup End date | 15/01/12 | 8 | M | DD/MM/YY |

# Response Syntax

TYPE=SCHATPRES&TXNSTATUS=*<Transaction Status>&*MESSAGE=<Transaction Message>

Fields Detail

| TAG | Fields | Example | Max Length | Optional/Mandatory | Remarks |
| --- | --- | --- | --- | --- | --- |
| TYPE | SCHATPRES | SCHATPRES | 10 | M | Response Type. Static & fixed value |
| TXNSTATUS | Request Status | 200 | 5 | M | Transaction Status i.e.  Transaction OK (200), failed other status |
| MESSAGE | Transaction Message | Success or fail | 150 | M | Message specific to the error code. |

## Schedule Recharge Deactivation

User can deactivate his schedule recharge facility from his/her registered list of card(s) by sending the below request. SCHATPDREQ

TYPE=SCHATPDREQ&IMEI=<IMEI>&MSISDN=<MSISDN>&PIN=<PIN>&LANGUAGE1=0

**Field Details**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| TAG | Fields | Example | Max Length | Optional/Mandatory | Remarks |
| TYPE | SCHATPDREQ | SCHATPDREQ | 10 | M | Alphabets only. |
| IMEI | IMEI number | 58HVDKGGGGG56T | 15 | M | Numeric |
| MSISDN | Subscriber mobile number | 9942222 | 15 | M | All MSISDN should be without country code.  (National dial format) |
| PIN | Subscriber PIN as registered in PreTUPS | 3946 | 4 | M | Numeric Only. |
| LANGUAGE1 | Language 1 | 0(en) | 1 | M | Numeric |

# Response Syntax

TYPE=SCHATPDRES&TXNSTATUS=*<Transaction Status>&*MESSAGE=<Transaction Message>

Fields Detail

| TAG | Fields | Example | Max Length | Optional/Mandatory | Remarks |
| --- | --- | --- | --- | --- | --- |
| TYPE | SCHATPDRES | SCHATPDRES | 10 | M | Response Type. Static & fixed value |
| TXNSTATUS | Request Status | 200 | 5 | M | Transaction Status i.e.  Transaction OK (200), failed other status |
| MESSAGE | Transaction Message | Success or fail | 150 | M | Message specific to the error code. |

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