External Interface/Public Rest API Document

PreTUPS TRUNK

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Document History

|  |  |  |  |  |  |
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| Version Number | Created/Modified On: | Description of Changes | Author | Reviewer | Comments |
| 1.0 | 26-06-2016 | Rest API | Lalit Chattar |  |  |
| 1.1 | 25-3-2017 | Added Schedule recharge Modules | Satakshi Gaur | Lalit Chattar |  |

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 Rest API Interface. This document covers Services as offered to operator for interfacing PreTUPS with 3rd parties.

The scope of this document is limited to the methodology being envisaged for PreTUPS service specific APIs, which could be used by External systems to interface with PreTUPS.

## Definitions, Acronyms and Abbreviations

|  |  |
| --- | --- |
| Term | Full Form |
| REST | Representational State Transfer |
| HTTP | Hypertext Transfer Protocol |
| API | Application Program Interface |
| JSON | JavaScript Object Notation |
| 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

* Mahindra Comviva team

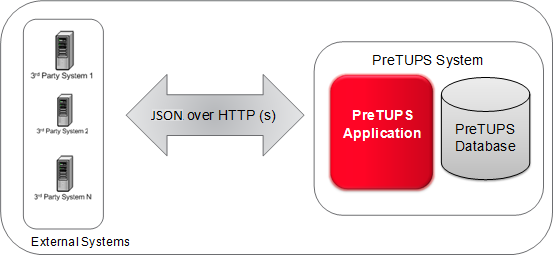
## References

NA

Rest Service (3rd Party/Public) API

The details of the Rest Service APIsare explained in the subsequent sections.

## Architecture



* **External system**: The system, which sends the request to PreTUPS System in JSON over HTTP format.
* **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 and PreTUPS would be JSON over HTTP. The External system would make the HTTP connection with PreTUPS and send the request content as JSON. Response of each request would also be sent as JSON.

## Authentication

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

* LOGIN
* PASSWORD
* TYPE
* EXTERNAL\_CODE
* Details of above-mentioned field are described in Connection procedure section.

## Connection Procedure

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

HTTP Header Information

POST <URL> HTTP

Content-type: application/json

Connection: close

URL

<http://host:port/pretupsapp/rest/common/rest-controller>

## Fetch Lookups

In this resource User can send request for fetching Lookups on the basis of Lookup Type.

# Available Lookup Types

**MOTYP:** Module Type

**BRTYP:** Bar User Type

# Request Syntax

The External System will send the following request for return. The request format and details of request are mentioned below.

# {"loginId": "VALID LOGIN ID", "password": "VALID PASSWORD", "externalCode": "VALID EXTERNAL CODE","type":"SERVICE TYPE","data": {"lookupType":"VALID LOOKUP TYPE", "active":true/false}}

# Fields Detail

| TAG | Fields | Remarks | Example | Field Type | Optional/  Mandatory |
| --- | --- | --- | --- | --- | --- |
| **DATA** | | | | | |
| loginId | User’s login Id in PreTUPS | Valid login Id of user | btchadm | A (10) | O |
| password | User’s password in PreTUPS | Valid password of user | 1357 | A (10) | O |
| externalCode | User’s External Code | Valid external code | 13579876 | N (10) | O |
| type | Service type | Service type of operation | LOOKUP | A(10) | M |
| data | JSON object of data required for service | Valid JSON Object required for operation | {“Key”:”Value”,”Key”:”Value”} | A | M |
| lookupType | Lookup Type available in pretups | Lookup Type available in pretups | MOTYP | A | M |
| active | Boolean value |  | True/ False | A | M |

# Response Syntax

PreTUPS system sends the acknowledgement to the External system. The acknowledgement will be in JSON and send as response of the request. The JSON response details are mentioned below.

{"statusCode":"REQUEST STATUS CODE", "status":"REQUEST STATUS", "successMsg":"Success Message", "formError":"Form Error Message", "globalError":"Global Error Message", "fieldError":"JSON Object of Fields Error", "parameters":"Parameters for Messages", "dataObject":"Data Fetched from DB", “messageCode”:”messageRefernceCode”}

# Fields Detail

| TAG | Fields | Remarks | Example | Field Type | Optional/  Mandatory |
| --- | --- | --- | --- | --- | --- |
| statusCode | Status code of request | Return 200 if request lands on pretups server | 200 | N | M |
| status | Return request status | Either true or false based on error or success message | true | A | M |
| successMsg | Message for operation status | Success message return by service id operation executes successfully | User deleted successfully | A | M |
| formError | Business rules validation error | Any business rule which stops execution of operation | User is already deleted | A | M |
| globalError | Any runtime exception | Runtime exception message occurs at the time of operation execution | Request format is wrong | A | M |
| parameters | Parameters for messages | Arguments passed to the messages | Mobile number “XYZ” successfully barred | A | M |
| dataObject | JSON format of data fetched form DB | JSON format of data fetched form DB | {“Key”:”Value”} | A | M |
| fieldError | Error message for mandatory fields | Error message for mandatory fields | Username is required | A | M |
| messageCode | Message code for the response status | A numeric value which represent to a message for success or failure | Message reference code | A | M |

# Business Rules

* Type tag will identify the type of resource.
* Either login and password or External Code will have to provide for user authentication
* Data object will have all the data related to operation

## Fetch Sub-Lookups

In this resource User can send request for fetching SubLookups on the basis of Lookup Type.

# Available Lookup Types

**BARTP:** Barring Type

# Request Syntax

The External System will send the following request for return. The request format and details of request are mentioned below.

# {"loginId": "VALID LOGIN ID", "password": "VALID PASSWORD", "externalCode": "VALID EXTERNAL CODE","type":"SERVICE TYPE","data": {"lookupType":"VALID LOOKUP TYPE”}}

# Fields Detail

| TAG | Fields | Remarks | Example | Field Type | Optional/  Mandatory |
| --- | --- | --- | --- | --- | --- |
| **DATA** | | | | | |
| loginId | User’s login Id in PreTUPS | Valid login Id of user | btchadm | A (10) | O |
| password | User’s password in PreTUPS | Valid password of user | 1357 | A (10) | O |
| externalCode | User’s External Code | Valid external code | 13579876 | N (10) | O |
| type | Service type | Service type of operation | LOOKUP | A(10) | M |
| data | JSON object of data required for service | Valid JSON Object required for operation | {“Key”:”Value”,”Key”:”Value”} | A | M |
| lookupType | Lookup Type available in pretups | Lookup Type available in pretups | MOTYP | A | M |

# Response Syntax

PreTUPS system sends the acknowledgement to the External system. The acknowledgement will be in JSON and send as response of the request. The JSON response details are mentioned below.

{"statusCode":"REQUEST STATUS CODE", "status":"REQUEST STATUS", "successMsg":"Success Message", "formError":"Form Error Message", "globalError":"Global Error Message", "fieldError":"JSON Object of Fields Error", "parameters":"Parameters for Messages", "dataObject":"Data Fetched from DB", “messageCode”:”messageReferenceCode”}

# Fields Detail

| TAG | Fields | Remarks | Example | Field Type | Optional/  Mandatory |
| --- | --- | --- | --- | --- | --- |
| statusCode | Status code of request | Return 200 if request lands on pretups server | 200 | N | M |
| status | Return request status | Either true or false based on error or success message | true | A | M |
| successMsg | Message for operation status | Success message return by service id operation executes successfully | User deleted successfully | A | M |
| formError | Business rules validation error | Any business rule which stops execution of operation | User is already deleted | A | M |
| globalError | Any runtime exception | Runtime exception message occurs at the time of operation execution | Request format is wrong | A | M |
| parameters | Parameters for messages | Arguments passed to the messages | Mobile number “XYZ” successfully barred | A | M |
| dataObject | JSON format of data fetched form DB | JSON format of data fetched form DB | {“Key”:”Value”} | A | M |
| fieldError | Error message for mandatory fields | Error message for mandatory fields | Username is required | A | M |
| messageCode | Message code for the response status | A numeric value which represent to a message for success or failure | Message reference code | A | M |

# Business Rules

* Type tag will identify the type of resource.
* Either login and password or External Code will have to provide for user authentication
* Data object will have all the data related to operation

## Bar User

In this resource User can send request for barring a user

# Available Options

**Module: C2S, P2P**

**User Type: SENDER, RECEIVER**

# Request Syntax

The External System will send the following request for return. The request format and details of request are mentioned below.

# {"loginId": "VALID LOGIN ID", "password": "VALID PASSWORD", "externalCode": "VALID EXTERNAL CODE","type":"SERVICE TYPE","data": {"module”:”Module Name”,”userType”:”User Type”,”barredType”:”Barred Type”,”msisdn”:”MSISDN of User”,”name”:”User Name”,”barredReason”:”Reason for barring” }}

# Fields Detail

| TAG | Fields | Remarks | Example | Field Type | Optional/  Mandatory |
| --- | --- | --- | --- | --- | --- |
| **DATA** | | | | | |
| loginId | User’s login Id in PreTUPS | Valid login Id of user | btchadm | A (10) | O |
| password | User’s password in PreTUPS | Valid password of user | 1357 | A (10) | O |
| externalCode | User’s External Code | Valid external code | 13579876 | N (10) | O |
| type | Service type | Service type of operation | LOOKUP | A(10) | M |
| data | JSON object of data required for service | Valid JSON Object required for operation | {“Key”:”Value”,”Key”:”Value”} | A | M |
| name | Name of the User | Name of the User | Ajay | A | O |
| msisdn | MSISDN of user | MSISDN of user | 7234567892 | N | M |
| module | Module Name | P2P or C2S module | C2S | A | M |
| barredType | Barred Type | Barring type | SENDER | A | M |
| userType | User Type | User Type | SENDER | A | M |
| barredReason | Barring reason | Barring reason | Self Bar | A | M |

# Response Syntax

PreTUPS system sends the acknowledgement to the External system. The acknowledgement will be in JSON and send as response of the request. The JSON response details are mentioned below.

{"statusCode":"REQUEST STATUS CODE", "status":"REQUEST STATUS", "successMsg":"Success Message", "formError":"Form Error Message", "globalError":"Global Error Message", "fieldError":"JSON Object of Fields Error", "parameters":"Parameters for Messages", "dataObject":"Data Fetched from DB" ,”messageCode”:”messageReferenceCode”}

# Fields Detail

| TAG | Fields | Remarks | Example | Field Type | Optional/  Mandatory |
| --- | --- | --- | --- | --- | --- |
| statusCode | Status code of request | Return 200 if request lands on pretups server | 200 | N | M |
| status | Return request status | Either true or false based on error or success message | true | A | M |
| successMsg | Message for operation status | Success message return by service id operation executes successfully | User deleted successfully | A | M |
| formError | Business rules validation error | Any business rule which stops execution of operation | User is already deleted | A | M |
| globalError | Any runtime exception | Runtime exception message occurs at the time of operation execution | Request format is wrong | A | M |
| parameters | Parameters for messages | Arguments passed to the messages | Mobile number “XYZ” successfully barred | A | M |
| dataObject | JSON format of data fetched form DB | JSON format of data fetched form DB | {“Key”:”Value”} | A | M |
| fieldError | Error message for mandatory fields | Error message for mandatory fields | Username is required | A | M |
| messageCode | Message code for the response status | A numeric value which represent to a message for success or failure | Message reference code | A | M |

# Business Rules

* Type tag will identify the type of resource.
* Either login and password or External Code will have to provide for user authentication
* Data object will have all the data related to operation

## View Barred List

In this resource User can send request for barring a user

# Available Options

**Module: C2S, P2P**

**User Type: SENDER, RECEIVER**

# Request Syntax

The External System will send the following request for return. The request format and details of request are mentioned below.

{"loginId": "VALID LOGIN ID","password":"VALID PASSWORD","data": {"module": "Module Code","userType": "USER TYPE","barredType": "BARRED TYPE","fromDate": "DD/MM/YY","toDate": "DD/MM/YY","msisdn": "MSISDN"},"type": "VIEWBARREDLIST", “externalCode”:”EXTERNAL CODE”}

# Fields Detail

| TAG | Fields | Remarks | Example | Field Type | Optional/  Mandatory |
| --- | --- | --- | --- | --- | --- |
| **DATA** | | | | | |
| loginId | User’s login Id in PreTUPS | Valid login Id of user | btchadm | A (10) | O |
| password | User’s password in PreTUPS | Valid password of user | 1357 | A (10) | O |
| externalCode | User’s External Code | Valid external code | 13579876 | N (10) | O |
| type | Service type | Service type of operation | LOOKUP | A(10) | M |
| data | JSON object of data required for service | Valid JSON Object required for operation | {“Key”:”Value”,”Key”:”Value”} | A | M |
| msisdn | MSISDN of user | MSISDN of user | 7234567892 | N | M |
| module | Module Name | P2P or C2S module | C2S | A | M |
| barredType | Barred Type | Barring type | SENDER | A | M |
| userType | User Type | User Type | SENDER | A | M |
| fromDate | Initial Date Range | Initial Date Range | 01/07/16 | A | M |
| toDate | End date | End date | 01/07/16 | D | M |

# Response Syntax

PreTUPS system sends the acknowledgement to the External system. The acknowledgement will be in JSON and send as response of the request. The JSON response details are mentioned below.

{"statusCode":"REQUEST STATUS CODE", "status":"REQUEST STATUS", "successMsg":"Success Message", "formError":"Form Error Message", "globalError":"Global Error Message", "fieldError":"JSON Object of Fields Error", "parameters":"Parameters for Messages", "dataObject":"Data Fetched from DB", “messageCode”:”messageReferenceCode”}}

# Fields Detail

| TAG | Fields | Remarks | Example | Field Type | Optional/  Mandatory |
| --- | --- | --- | --- | --- | --- |
| statusCode | Status code of request | Return 200 if request lands on pretups server | 200 | N | M |
| status | Return request status | Either true or false based on error or success message | true | A | M |
| successMsg | Message for operation status | Success message return by service id operation executes successfully | User deleted successfully | A | M |
| formError | Business rules validation error | Any business rule which stops execution of operation | User is already deleted | A | M |
| globalError | Any runtime exception | Runtime exception message occurs at the time of operation execution | Request format is wrong | A | M |
| parameters | Parameters for messages | Arguments passed to the messages | Mobile number “XYZ” successfully barred | A | M |
| dataObject | JSON format of data fetched form DB | JSON format of data fetched form DB | {“Key”:”Value”} | A | M |
| fieldError | Error message for mandatory fields | Error message for mandatory fields | Username is required | A | M |
| messageCode | Message code for the response status | A numeric value which represent to a message for success or failure | Message reference code | A | M |

# Business Rules

* Type tag will identify the type of resource.
* Either login and password or External Code will have to provide for user authentication
* Data object will have all the data related to operation
* Either mobile no or Other field are required for searching

## Unbar User

In this resource User can send request for barring a user

# Available Options

**Module: C2S, P2P**

**User Type: SENDER, RECEIVER**

# Request Syntax

The External System will send the following request for return. The request format and details of request are mentioned below.

# {"loginId":"VALIDLOGINID",”password”:”VALID PASSWORD”, “”externalCode”:”VALID EXTERNAL CODE”,"data":{"barredReason":"BARRED REASON","module":"Module Code","userType":"User Type","msisdn":"MSISDN","barredTypeList":[List of barredType]},"type":"CONUNBARUSER"}

# Fields Detail

| TAG | Fields | Remarks | Example | Field Type | Optional/  Mandatory |
| --- | --- | --- | --- | --- | --- |
| **DATA** | | | | | |
| loginId | User’s login Id in PreTUPS | Valid login Id of user | btchadm | A (10) | O |
| password | User’s password in PreTUPS | Valid password of user | 1357 | A (10) | O |
| externalCode | User’s External Code | Valid external code | 13579876 | N (10) | O |
| type | Service type | Service type of operation | LOOKUP | A(10) | M |
| data | JSON object of data required for service | Valid JSON Object required for operation | {“Key”:”Value”,”Key”:”Value”} | A | M |
| msisdn | MSISDN of user | MSISDN of user | 7234567892 | N | M |
| module | Module Name | P2P or C2S module | C2S | A | M |
| barredTypeList | Barred Type | Barring type | SENDER | A | M |
| userType | User Type | User Type | SENDER | A | M |

# Response Syntax

PreTUPS system sends the acknowledgement to the External system. The acknowledgement will be in JSON and send as response of the request. The JSON response details are mentioned below.

{"statusCode":"REQUEST STATUS CODE", "status":"REQUEST STATUS", "successMsg":"Success Message", "formError":"Form Error Message", "globalError":"Global Error Message", "fieldError":"JSON Object of Fields Error", "parameters":"Parameters for Messages", "dataObject":"Data Fetched from DB", “messageCode”:”messageReferenceCode”}

# Fields Detail

| TAG | Fields | Remarks | Example | Field Type | Optional/  Mandatory |
| --- | --- | --- | --- | --- | --- |
| statusCode | Status code of request | Return 200 if request lands on pretups server | 200 | N | M |
| status | Return request status | Either true or false based on error or success message | true | A | M |
| successMsg | Message for operation status | Success message return by service id operation executes successfully | User deleted successfully | A | M |
| formError | Business rules validation error | Any business rule which stops execution of operation | User is already deleted | A | M |
| globalError | Any runtime exception | Runtime exception message occurs at the time of operation execution | Request format is wrong | A | M |
| parameters | Parameters for messages | Arguments passed to the messages | Mobile number “XYZ” successfully barred | A | M |
| dataObject | JSON format of data fetched form DB | JSON format of data fetched form DB | {“Key”:”Value”} | A | M |
| fieldError | Error message for mandatory fields | Error message for mandatory fields | Username is required | A | M |
| messageCode | Message code for the response status | A numeric value which represent to a message for success or failure | Message reference code | A | M |

# Business Rules

* Type tag will identify the type of resource.
* Either login and password or External Code will have to provide for user authentication
* Data object will have all the data related to operation

## Load Commission Profiles

In this resource User can load list of commission profiles based on domain code, category code, geographical domain codeand grade code.

# Available Options

**Module: PROFILES**

**User Type: NWADM**

# Request Syntax

The External System will send the following request for return. The request format and details of request are mentioned below.

{"loginId":"validloginId","password":"validpassword","data":{"domainCode": "DIST","categoryCode": "DIST","grphDomainCode": "ZAR","gradeCode": "GR1","selectCommProfileSetList": [{"status": "Y","grphDomainCode": "ZAR","language1Message": "TEST","language2Message": "TEST","shortCode": "test123","categoryCode": "DIST","commProfileSetId": "336","combinedKey": "336:null","gradeCode": "GR1","commProfileSetName": "test\_Voucher","code": "306","oldCode": "306"}]},"type": "COMMPLSS","externalCode":"validexternalCode "}

# Fields Detail

| TAG | Fields | Remarks | Example | Field Type | Optional/  Mandatory |
| --- | --- | --- | --- | --- | --- |
| **DATA** | | | | | |
| loginId | User’s login Id in PreTUPS | Valid login Id of user | btnadm | A (10) | O |
| password | User’s password in PreTUPS | Valid password of user | 1357 | A (10) | O |
| externalCode | User’s External Code | Valid external code | 32432423 | N (10) | O |
| type | Service type | Service type of operation | COMMPSL | A(10) | M |
| data | JSON object of data required for service | Valid JSON Object required for operation | {“Key”:”Value”,”Key”:”Value”} | A | M |
| domainCode | Domain Code | Domain Code | DIST | A | M |
| categoryCode | Category Code | Category Code | DIST:DIST:1 | A | M |
| grphDomainCode | Geographical Domain Code | Geographical Domain Code | DLIAREA1:DIST:Delhi area 1 | A | M |
| gradeCode | Grade Code | Grade Code | DIST:1407131728 | A | M |

# Response Syntax

PreTUPS system sends the acknowledgement to the External system. The acknowledgement will be in JSON and send as response of the request. The JSON response details are mentioned below.

{"statusCode":"200","status":"true","successMsg":"profile.commissionprofilestatus.commissionprofilelist.message","formError":"","globalError":"","parameters":"","fieldError":"","messageCode":"210002",  
"dataObject":”Data Fetched from DB”}

# Fields Detail

| TAG | Fields | Remarks | Example | Field Type | Optional/  Mandatory |
| --- | --- | --- | --- | --- | --- |
| statusCode | Status code of request | Return 200 if request lands on pretups server | 200 | N | M |
| status | Return request status | Either true or false based on error or success message | true | A | M |
| successMsg | Message for operation status | Success message return by service id operation executes successfully | Commission profile list loaded successfully | A | M |
| globalError | Any runtime exception | Runtime exception message occurs at the time of operation execution | Request format is wrong | A | M |
| fieldError | Error message for mandatory fields | Error message for mandatory fields | Domain code is required | A | M |
| dataObject | JSON format of data fetched form DB | JSON format of data fetched form DB | {“Key”:”Value”} | A | M |
| messageCode | Message code for the response status | A numeric value which represent to a message for success or failure | Message reference code | A | M |

# Business Rules

* Type tag will identify the type of resource.
* Either login and password or External Code will have to provide for user authentication
* Data object will have all the data related to operation

## Change Commission Profiles Status

In this resource User can change status of list of commission profiles.

# Available Options

**Module: PROFILES**

**User Type: NWADM**

# Request Syntax

The External System will send the following request for return. The request format and details of request are mentioned below.

{"loginId":"validLoginId","password":"validPassword","data":{"domainCode":"domainCode ","categoryCode": "DIST","grphDomainCode": "ZAR","gradeCode": "GR1","selectCommProfileSetList": [{"status": "Y","grphDomainCode": "ZAR","language1Message": "TEST","language2Message": "TEST","shortCode": "test123","categoryCode": "DIST","commProfileSetId": "336","combinedKey": "336:null","gradeCode": "GR1","commProfileSetName": "test\_Voucher","code": "306","oldCode": "306"}]},"type": "COMMPLSS","externalCode":"valid externalCode"}

# Fields Detail

| TAG | Fields | Remarks | Example | Field Type | Optional/  Mandatory |
| --- | --- | --- | --- | --- | --- |
| **DATA** | | | | | |
| loginId | User’s login Id in PreTUPS | Valid login Id of user | btnadm | A (10) | O |
| password | User’s password in PreTUPS | Valid password of user | 1357 | A (10) | O |
| externalCode | User’s External Code | Valid external code | 32432423 | N (10) | O |
| type | Service type | Service type of operation | COMMPLSS | A(10) | M |
| data | JSON object of data required for service | Valid JSON Object required for operation | {“Key”:”Value”,”Key”:”Value”} | A | M |
| domainCode | Domain Code | Domain Code | DIST | A | M |
| categoryCode | Category Code | Category Code | DIST:DIST:1 | A | M |
| grphDomainCode | Geographical Domain Code | Geographical Domain Code | DLIAREA1:DIST:Delhi area 1 | A | M |
| gradeCode | Grade Code | Grade Code | DIST:1407131728 | A | M |
| selectCommProfileSetList | Commission Profile List | List of commission profiles with their updated status | {“Key”:”Value”,”Key”:”Value”} | A | M |

# Response Syntax

PreTUPS system sends the acknowledgement to the External system. The acknowledgement will be in JSON and send as response of the request. The JSON response details are mentioned below.

{"statusCode":200,"status":true,"successMsg":"profile.addadditionalprofile.message.successsuspendmessage","formError":null,"globalError":null,"parameters":null, fieldError":null,"messageCode":"210003"}

# Fields Detail

| TAG | Fields | Remarks | Example | Field Type | Optional/  Mandatory |
| --- | --- | --- | --- | --- | --- |
| statusCode | Status code of request | Return 200 if request lands on pretups server | 200 | N | M |
| status | Return request status | Either true or false based on error or success message | true | A | M |
| successMsg | Message for operation status | Success message return by service id operation executes successfully | Commission profile list loaded successfully | A | M |
| globalError | Any runtime exception | Runtime exception message occurs at the time of operation execution | Request format is wrong | A | M |
| fieldError | Error message for mandatory fields | Error message for mandatory fields | Domain code is required | A | M |
| messageCode | Message code for the response status | A numeric value which represent to a message for success or failure | Message reference code | A | M |

# Business Rules

* Type tag will identify the type of resource.
* Either login and password or External Code will have to provide for user authentication
* Data object will have all the data related to operation

## Load C2S transactions for Reversal

In this resource User can load list of c2s transactions for reversal.

# Available Options

**Module: C2STRF**

**User Type: DIST, BCU**

# Request Syntax

The External System will send the following request for return. The request format and details of request are mentioned below.

{"loginId": "valid loginId ","password":"valid password","data": {"moduleType": "C2S","serviceType": "RCREV:Y:PRE","currentBalance": "49500","pin": "2468","subscriberMsisdn": "7288007700"},"type": "C2SLOADTXN","externalCode":"valid externalCode "}

# Fields Detail

| TAG | Fields | Remarks | Example | Field Type | Optional/  Mandatory |
| --- | --- | --- | --- | --- | --- |
| **DATA** | | | | | |
| loginId | User’s login Id in PreTUPS | Valid login Id of user | btdist | A (10) | O |
| password | User’s password in PreTUPS | Valid password of user | 1357 | A (10) | O |
| externalCode | User’s External Code | Valid external code | 2345345 | N (10) | O |
| type | Service type | Service type of operation | C2SREVCONF | A(10) | M |
| data | JSON object of data required for service | Valid JSON Object required for operation | {“Key”:”Value”,”Key”:”Value”} | A | M |
| moduleType | Module type | Module type | C2S | A | M |
| serviceType | Service type | Service type | RCREV:Y:PRE | A | M |
| currentBalance | Current balance | Current balance | 49500 | A | M |
| pin | PIN | PIN | 2468 | A | M |
| subscriberMsisdn | Subscriber MSISDN | Subscriber MSISDN | 7288007700 | N | M |

# Response Syntax

PreTUPS system sends the acknowledgement to the External system. The acknowledgement will be in JSON and send as response of the request. The JSON response details are mentioned below.

{"statusCode":"200","status":"true","successMsg":"channel.transfer.reversal.confirmed","formError":"","globalError":"","parameters":"","fieldError":"","messageCode":"220009",

"dataObject":”Data Fetched from DB”}

# Fields Detail

| TAG | Fields | Remarks | Example | Field Type | Optional/  Mandatory |
| --- | --- | --- | --- | --- | --- |
| statusCode | Status code of request | Return 200 if request lands on pretups server | 200 | N | M |
| status | Return request status | Either true or false based on error or success message | true | A | M |
| successMsg | Message for operation status | Success message return by service id operation executes successfully | C2S reversal confirmed | A | M |
| globalError | Any runtime exception | Runtime exception message occurs at the time of operation execution | Request format is wrong | A | M |
| fieldError | Error message for mandatory fields | Error message for mandatory fields | subscriberMsisdnis required | A | M |
| messageCode | Message code for the response status | A numeric value which represent to a message for success or failure | Message reference code | A | M |
| dataObject | JSON format of data fetched form DB | JSON format of data fetched form DB | {“Key”:”Value”} | A | M |
| userRevlist | List of c2s transaction to be reversed | JSON format of data fetched form DB | {“Key”:”Value”} | A | M |

# Business Rules

* Type tag will identify the type of resource.
* Either login and password or External Code will have to provide for user authentication
* Data object will have all the data related to operation

## C2S Reversal Transaction

In this resource User can do c2s reversal transaction based on transaction id.

# Available Options

**Module: C2STRF**

**User Type: DIST, BCU**

# Request Syntax

The External System will send the following request for return. The request format and details of request are mentioned below.

{"loginId":"validloginId","password":"validpassword","data":{"serviceType":"RCREV:Y:PRE","currentBalance":"49500","pin":"2468","subscriberMsisdn":"7259789634","transactionId ":"transactionId Value"},"type":"C2SDOREV",”externalCode”:”valid externalCode”}

# Fields Detail

| TAG | Fields | Remarks | Example | Field Type | Optional/  Mandatory |
| --- | --- | --- | --- | --- | --- |
| **DATA** | | | | | |
| loginId | User’s login Id in PreTUPS | Valid login Id of user | btdist | A (10) | O |
| password | User’s password in PreTUPS | Valid password of user | 1357 | A (10) | O |
| externalCode | User’s External Code | Valid external code | 2345345 | N (10) | O |
| type | Service type | Service type of operation | C2SDOREV | A(10) | M |
| data | JSON object of data required for service | Valid JSON Object required for operation | {“Key”:”Value”,”Key”:”Value”} | A | M |
| serviceType | Service type | Service type | RCREV:Y:PRE | A | M |
| currentBalance | Current balance | Current balance | 49500 | A | M |
| pin | PIN | PIN | 2468 | A | M |
| subscriberMsisdn | Subscriber MSISDN | Subscriber MSISDN | 7288007700 | N | M |
| transactionId | Selected Transaction Id | Selected Transaction Id | R160729.1718.100001 | A | M |

# Response Syntax

PreTUPS system sends the acknowledgement to the External system. The acknowledgement will be in JSON and send as response of the request. The JSON response details are mentioned below.

{"statusCode":200,"status":true,"successMsg":"c2s.reversal.successful","formError":null,"globalError":null,"parameters":null,"dataObject":{"txnid":"X160729.1718.100001","c2sReverseResponseMessage":"1041142:Transaction number X160729.1718.100001 for Prepaid Reversal request of 7259789634 for 100 is accepted for processing, your new balance is GNF 50800.","c2sReverseResponseStatus":true},"fieldError":null,"messageCode":"4575"}

# Fields Detail

| TAG | Fields | Remarks | Example | Field Type | Optional/  Mandatory |
| --- | --- | --- | --- | --- | --- |
| statusCode | Status code of request | Return 200 if request lands on pretups server | 200 | N | M |
| status | Return request status | Either true or false based on error or success message | true | A | M |
| successMsg | Message for operation status | Success message return by service id operation executes successfully | C2S reversal is successful | A | M |
| globalError | Any runtime exception | Runtime exception message occurs at the time of operation execution | Request format is wrong | A | M |
| fieldError | Error message for mandatory fields | Error message for mandatory fields | transactionId is required | A | M |
| messageCode | Message code for the response status | A numeric value which represent to a message for success or failure | Message reference code | A | M |
| dataObject | JSON format of data fetched form DB | JSON format of data fetched form DB | {“Key”:”Value”} | A | M |

# Business Rules

* Type tag will identify the type of resource.
* Either login and password or External Code will have to provide for user authentication
* Data object will have all the data related to operation

## C2S Reversal Transaction Detail

In this resource User can get details of c2s reversal transaction by transaction Id.

# Available Options

**Module: C2STRF**

**User Type: DIST, BCU**

# Request Syntax

The External System will send the following request for return. The request format and details of request are mentioned below.

{"loginId":"validloginId","password":"validpassword","data":{"senderMsisdn":"7200009910", "txID":"R160726.1755.100002"}, "type":"C2SREVSTAT",”externalCode”:”valid externalCode”}

# Fields Detail

| TAG | Fields | Remarks | Example | Field Type | Optional/  Mandatory |
| --- | --- | --- | --- | --- | --- |
| **DATA** | | | | | |
| loginId | User’s login Id in PreTUPS | Valid login Id of user | btdist | A (10) | O |
| password | User’s password in PreTUPS | Valid password of user | 1357 | A (10) | O |
| externalCode | User’s External Code | Valid external code | 2345345 | N (10) | O |
| type | Service type | Service type of operation | C2SREVSTAT | A(10) | M |
| data | JSON object of data required for service | Valid JSON Object required for operation | {“Key”:”Value”,”Key”:”Value”} | A | M |
| txID | Transaction ID | Transaction ID | R160726.1755.100002 | A | M |
| senderMsisdn | Sender MSISDN | Sender MSISDN | 7200009910 | A | M |

# Response Syntax

PreTUPS system sends the acknowledgement to the External system. The acknowledgement will be in JSON and send as response of the request. The JSON response details are mentioned below.

{"statusCode":"200","status":"true","successMsg":"c2s.reversal.txnstatus.success","formError":"","globalError":"","parameters":"","fieldError":"","messageCode":"220010","dataObject":{"senderMsisdn":"7200009910", "txID":"R160726.1755.100002","transferVO":{"value":"SUCCESS", "reverseTransferID":"X160726.1829.100001", "receiverMsisdn":"7259789634", "receiverAccessFee":"10000", "senderTransferValue":"10000", "transferStatus":"200","transferDateTime":"1469535943000", "requestedAmount":"10000"} }}

# Fields Detail

| TAG | Fields | Remarks | Example | Field Type | Optional/  Mandatory |
| --- | --- | --- | --- | --- | --- |
| statusCode | Status code of request | Return 200 if request lands on pretups server | 200 | N | M |
| status | Return request status | Either true or false based on error or success message | true | A | M |
| successMsg | Message for operation status | Success message return by service id operation executes successfully | C2S reversal transaction status check successful | A | M |
| globalError | Any runtime exception | Runtime exception message occurs at the time of operation execution | Request format is wrong | A | M |
| fieldError | Error message for mandatory fields | Error message for mandatory fields | transactionId is required | A | M |
| messageCode | Message code for the response status | A numeric value which represent to a message for success or failure | Message reference code | A | M |
| dataObject | JSON format of data fetched form DB | JSON format of data fetched form DB | {“Key”:”Value”} | A | M |

# Business Rules

* Type tag will identify the type of resource.
* Either login and password or External Code will have to provide for user authentication
* Data object will have all the data related to operation

## User Transfer OTP initiation

In this resource Distributor can request for OTP initiation for user transfer within domain.

# Available Options

**Module: USRTRF**

**User Type: DIST**

# Request Syntax

The External System will send the following request for user transfer otp initiation. The request format and details of request are mentioned below.

{"data":{"loggedInUserMsisdn":"3100001448","loggedInUserName":"SAH DIST POS User A Last Name","isUserID":true,"loggedInUserID":"CCDP0000054148","userID":"3100001450"}}

Or

{"data":{"loggedInUserMsisdn":"31000001","loggedInUserName":"Distributor","isUserID":false,"loggedInUserID":"CCDT0000054102","msisdn":"CCIP0000054150"}}

# Fields Detail

| TAG | Fields | Remarks | Example | Field Type | Optional/  Mandatory |
| --- | --- | --- | --- | --- | --- |
| **DATA** | | | | | |
| loggedInUserMsisdn | Distributor ’s msisdn Id in PreTUPS | To be sent in message | 3100001448 | N (10) | O |
| type | Service type | Service type of operation | LOADUSRDETAILS | A(10) | M |
| loggedInUserName | Distributor’s name in PreTUPS | To be sent in message | SAH DIST POS User A Last Name | A (10) | O |
| loggedInUserID | Distributor’s userID in PreTUPS | Valid UserID | CCDP0000054148 | A (10) | M |
| msisdn | Msisdn of user which need to be transferred | Will be validated if sent and isUserID will be true | 3100001450 | N (10) | O |
| data | JSON object of data required for service | Valid JSON Object required for operation | {“Key”:”Value”,”Key”:”Value”} | A(10) | M |
| userID | userID of user which need to be transferred | Will be validated if sent and isUserID will be false | CCIP0000054150 | A (10) | O |
| isUserID | True or false | If msisdn is being provided then it will be true | True or false | A (10) | M |

# Response Syntax

PreTUPS system sends the acknowledgement to the External system. The acknowledgement will be in JSON and send as response of the request. The JSON response details are mentioned below.

# {"statusCode":200,"status":true,"successMsg":"25000001","formError":null,"globalError":null,"parameters":["3100001450"],"dataObject":null,"fieldError":null,"messageCode":"25000001"}

# Fields Detail

| TAG | Fields | Remarks | Example | Field Type | Optional/  Mandatory |
| --- | --- | --- | --- | --- | --- |
| statusCode | Status code of request | Return 200 if request lands on pretups server | 200 | N | M |
| status | Return request status | Either true or false based on error or success message | true | A | M |
| successMsg | Message for operation status | Success message return by service id operation executes successfully | C2S reversal is successful | A | M |
| globalError | Any runtime exception | Runtime exception message occurs at the time of operation execution | Request format is wrong | A | M |
| fieldError | Error message for mandatory fields | Error message for mandatory fields | transactionId is required | A | M |
| messageCode | Message code for the response status | A numeric value which represent to a message for success or failure | Message reference code | A | M |
| dataObject | JSON format of data fetched form DB | JSON format of data fetched form DB | {“Key”:”Value”} | A | M |

# Business Rules

* Type tag will identify the type of resource.
* Either userID or msisdn have to provide for user which need to be transferred .Incase of msisdn inUSerCode will be true.
* Data object will have all the data related to operation

## User Transfer OTP Confirmation

In this resource User can get details of c2s reversal transaction by transaction Id.

# Available Options

**Module: USRTRF**

**User Type: DIST**

# Request Syntax

The External System will send the following request for return. The request format and details of request are mentioned below.

{"data":{"categorycode":"IPOS","otp":"1357","loggedInUserID":"CCDP0000054151","userID":"CCIP0000054150"}}

# Fields Detail

| TAG | Fields | Remarks | Example | Field Type | Optional/  Mandatory |
| --- | --- | --- | --- | --- | --- |
| **DATA** | | | | | |
| loggedInUserID | User’s login Id in PreTUPS who has initiated request | Valid login Id of user | CCDP0000054151 | A (10) | M |
| userID | Userid of initiated channel user | Valid password of user | CCIP0000054150 | A (10) | M |
| otp | OTP of initiated User | Valid external code | 1357 | N (10) | M |
| type | Service type | Service type of operation | CONFIRMUSRTRANSFER | A(10) | M |
| data | JSON object of data required for service | Valid JSON Object required for operation | {“Key”:”Value”,”Key”:”Value”} | A | M |
| categorycode | Transaction ID | Transaction ID | IPOS | A | M |

# Response Syntax

PreTUPS system sends the acknowledgement to the External system. The acknowledgement will be in JSON and send as response of the request. The JSON response details are mentioned below.

# {"statusCode":200,"status":true,"successMsg":"channeluser.viewuserhierarchy.msg.trfsuccess","formError":null,"globalError":null,"parameters":["3100001450"],"dataObject":null,"fieldError":null,"messageCode":"channeluser.viewuserhierarchy.msg.trfsuccess"}

# Fields Detail

| TAG | Fields | Remarks | Example | Field Type | Optional/  Mandatory |
| --- | --- | --- | --- | --- | --- |
| statusCode | Status code of request | Return 200 if request lands on pretups server | 200 | N | M |
| status | Return request status | Either true or false based on error or success message | true | A | M |
| successMsg | Message for operation status | Success message return by service id operation executes successfully | C2S reversal transaction status check successful | A | M |
| globalError | Any runtime exception | Runtime exception message occurs at the time of operation execution | Request format is wrong | A | M |
| fieldError | Error message for mandatory fields | Error message for mandatory fields | transactionId is required | A | M |
| messageCode | Message code for the response status | A numeric value which represent to a message for success or failure | Message reference code | A | M |
| dataObject | JSON format of data fetched form DB | JSON format of data fetched form DB | {“Key”:”Value”} | A | M |

# Business Rules

* Type tag will identify the type of resource.
* Data object will have all the data related to operation

## View Schedule Recharge In Batch

In this resource User can get view the details of scheduled batches

# Request Syntax

The External System will send the following request for return. The request format and details of request are mentioned below.

{"loginId":"${loginId}","password":"${password}","type":"${viewtype}","data":{"loginId":"${userLoginID}","batchID":"${\_\_property(BATCHID)}","statusin":"${statusin}","status":"${status}"}}

# Fields Detail

| TAG | Fields | Remarks | Example | Field Type | Optional/  Mandatory |
| --- | --- | --- | --- | --- | --- |
| **DATA** | | | | | |
| LoginId | User’s login Id in PreTUPS who has initiated request | Valid login Id of user | satcorp | A (10) | M |
| password | password of initiated channel user | Valid password of user | 1357 | A (10) | M |
| batchID | batchid | batchid | SB161117.0008 | A (13) | M |
| type | Service type | Service type of operation | VIEWSCHRCBATCH2 | A(10) | M |
| data | JSON object of data required for service | Valid JSON Object required for operation | {“Key”:”Value”,”Key”:”Value”} | A | M |
| statusin | Variable | variable | IN | A | M |
| status | Value of status in drop down | Value of status | 'E' | A | M |

# Response Syntax

PreTUPS system sends the acknowledgement to the External system. The acknowledgement will be in JSON and send as response of the request. The JSON response details are mentioned below.

{

"statusCode": 200,

"status": true,

"successMsg": null,

"formError": null,

"globalError": null,

"parameters": null,

"dataObject": [

{

"lastModifiedTime": 1479359251000,

"activeUserId": "NGCO0000011491",

"list": null,

"status": "E",

"createdBy": null,

"senderMsisdn": null,

"serviceName": "Customer Recharge",

"endDateOfBatch": null,

"proccessedRecords": 0,

"unproccessedRecords": 0,

"startDateOfBatch": null,

"senderlanguageCode": null,

"cancelledCount": 0,

"parentCategory": "CORPE",

"processFailedCount": 2,

"successfulCount": 0,

"uploadFailedCount": 0,

"initiatedByName": "testcorp",

"scheduledDateStr": "17/11/16",

"displayBatchID": "SB161117.0008 (17/11/16)",

"connectionRefuseCounter": 0,

"noOfRecords": 2,

"totalRecords": 0,

"senderLocale": null,

"serviceType": "RC",

"batchID": "SB161117.0008",

"ownerID": "NGCO0000011491",

"parentID": "NGCO0000011491",

"modifiedBy": null,

"createdOn": null,

"modifiedOn": null,

"statusDesc": "Executed",

"networkCode": "NG",

"activeUserName": "testcorp",

"prevStatus": null,

"batchType": "CORPORATE",

"batchIDDisp": "SB161117.0008(17/11/16)",

"otherInfo1": null,

"otherInfo3": null,

"othterInfo2": null,

"initiatedBy": "NGCO0000011491",

"parentDomain": "CORP",

"scheduledDate": "2016-11-17",

"totalCount": 2,

"refBatchID": "SB161117.0008"

}

],

"fieldError": null,

"messageCode": null

}

# Fields Detail

| TAG | Fields | Remarks | Example | Field Type | Optional/  Mandatory |
| --- | --- | --- | --- | --- | --- |
| statusCode | Status code of request | Return 200 if request lands on pretups server | 200 | N | M |
| status | Return request status | Either true or false based on error or success message | true | A | M |
| successMsg | Message for operation status | Success message return by service id operation executes successfully | C2S reversal transaction status check successful | A | M |
| globalError | Any runtime exception | Runtime exception message occurs at the time of operation execution | Request format is wrong | A | M |
| fieldError | Error message for mandatory fields | Error message for mandatory fields | transactionId is required | A | M |
| messageCode | Message code for the response status | A numeric value which represent to a message for success or failure | Message reference code | A | M |
| dataObject | JSON format of data fetched form DB | JSON format of data fetched form DB | {“Key”:”Value”} | A | M |

# Business Rules

* Type tag will identify the type of resource.
* Data object will have all the data related to operation

## Cancel Schedule Recharge Single

In this resource User can get Cancel the schedule of particular msisdn scheduled batches

# Request Syntax

The External System will send the following request for return. The request format and details of request are mentioned below.

{"loginId":"${loginId}","password":"${password}","type":"${cancelType}","data":{"loginId":"${userLoginID}","batchID":"${\_\_property(BATCHID)}","checklist":["${\_\_property(MOBILENUMBER)}"]}}

# Fields Detail

| TAG | Fields | Remarks | Example | Field Type | Optional/  Mandatory |
| --- | --- | --- | --- | --- | --- |
| **DATA** | | | | | |
| LoginId | User’s login Id in PreTUPS who has initiated request | Valid login Id of user | satcorp | A (10) | M |
| password | password of initiated channel user | Valid password of user | 1357 | A (10) | M |
| batchID | batchid | batchid | SB161117.0008 | A (13) | M |
| type | Service type | Service type of operation | CANCELMSISDN | A(10) | M |
| data | JSON object of data required for service | Valid JSON Object required for operation | {“Key”:”Value”,”Key”:”Value”} | A | M |
| userLoginID | User’s login Id in PreTUPS who has initiated request | Valid login Id of user | satcorp | A (10) | M |
| checklist | List of msisdns need to cancel | List of msisdns need to cancel | “721246461”,”721235646” | A | M |

# Response Syntax

PreTUPS system sends the acknowledgement to the External system. The acknowledgement will be in JSON and send as response of the request. The JSON response details are mentioned below.

# {"statusCode":200,"status":true,"successMsg":null,"formError":null,"globalError":null,"parameters":null,"dataObject":{"geoDomainList":null,"geoDomainListSize":null,"geoDomainCode":null,"geoDomainName":null,"categoryCode":null,"categoryName":null,"ownerCategoryName":null,"userID":null,"userName":null,"categoryList":null,"domainCode":null,"domainName":null,"userList":null,"userListSize":0,"domainList":null,"loginUserType":null,"loginUserCatCode":null,"loginUserCatName":null,"loginUserID":null,"loginUserName":null,"selfAllow":false,"ownerID":null,"ownerName":null,"ownerOnly":false,"time":0,"fileType":null,"serviceList":null,"serviceCode":null,"serviceName":null,"processedOn":null,"scheduleDate":null,"noOfRecords":null,"scheduleNow":"off","uploadedFileLocation":null,"downloadTemplateLocation":null,"requestFor":null,"batchID":"SB170208.0006","loginId":"ycorpe","frequency":null,"iterations":0,"frequencyCode":"DAILY","scheduleList":[{"iterations":3,"frequency":"MONTHLY","executedIterations":0,"processedOn":null,"processedOnStr":"","activeUserId":"NGCO0000000013","activeUserName":"ycorpe ycorpe","connectionRefuseCounter":0,"senderMsisdn":null,"networkCode":"NG","serviceType":"RC","senderLocale":null,"noOfRecords":1,"cancelledCount":0,"batchType":"CORPORATE","ownerID":"NGCO0000000013","parentID":"NGCO0000000013","createdBy":null,"modifiedBy":null,"createdOn":null,"modifiedOn":null,"statusDesc":"Scheduled","batchIDDisp":"SB170208.0006(08/02/17)","prevStatus":null,"endDateOfBatch":null,"proccessedRecords":0,"totalRecords":0,"unproccessedRecords":0,"startDateOfBatch":null,"otherInfo1":null,"otherInfo3":null,"othterInfo2":null,"senderlanguageCode":null,"initiatedBy":"NGCO0000000013","parentCategory":"CORPE","parentDomain":"CORP","processFailedCount":0,"scheduledDate":"2017-02-08","successfulCount":0,"totalCount":3,"uploadFailedCount":2,"initiatedByName":"ycorpe ycorpe","scheduledDateStr":"08/02/17","refBatchID":"SB170208.0006","displayBatchID":"SB170208.0006 (08/02/17)","batchID":"SB170208.0006","serviceName":"Customer Recharge","status":"S","list":null,"lastModifiedTime":1486550617000},"fieldError":{},"messageCode":null}

# Fields Detail

| TAG | Fields | Remarks | Example | Field Type | Optional/  Mandatory |
| --- | --- | --- | --- | --- | --- |
| statusCode | Status code of request | Return 200 if request lands on pretups server | 200 | N | M |
| status | Return request status | Either true or false based on error or success message | true | A | M |
| successMsg | Message for operation status | Success message return by service id operation executes successfully | C2S reversal transaction status check successful | A | M |
| globalError | Any runtime exception | Runtime exception message occurs at the time of operation execution | Request format is wrong | A | M |
| fieldError | Error message for mandatory fields | Error message for mandatory fields | transactionId is required | A | M |
| messageCode | Message code for the response status | A numeric value which represent to a message for success or failure | Message reference code | A | M |
| dataObject | JSON format of data fetched form DB | JSON format of data fetched form DB | {“Key”:”Value”} | A | M |

# Business Rules

* Type tag will identify the type of resource.
* Data object will have all the data related to operation

## Cancel Schedule Recharge Batch

In this resource User can get Cancel scheduled batche

# Request Syntax

The External System will send the following request for return. The request format and details of request are mentioned below.

{"loginId":"${loginId}","password":"${password}","type":"${cancelBatch}","data":{"loginId":"${userLoginID}","checklist":["${\_\_property(BATCHID)}"]}}

# Fields Detail

| TAG | Fields | Remarks | Example | Field Type | Optional/  Mandatory |
| --- | --- | --- | --- | --- | --- |
| **DATA** | | | | | |
| LoginId | User’s login Id in PreTUPS who has initiated request | Valid login Id of user | satcorp | A (10) | M |
| password | password of initiated channel user | Valid password of user | 1357 | A (10) | M |
| type | Service type | Service type of operation | CANCELBATCH | A(10) | M |
| data | JSON object of data required for service | Valid JSON Object required for operation | {“Key”:”Value”,”Key”:”Value”} | A | M |
| userLoginID | User’s login Id in PreTUPS who has initiated request | Valid login Id of user | satcorp | A (10) | M |
| checklist | List of Batches need to cancel | List of msisdns need to cancel | “SB161117.0008” | A | M |

# Response Syntax

PreTUPS system sends the acknowledgement to the External system. The acknowledgement will be in JSON and send as response of the request. The JSON response details are mentioned below.

# {"statusCode":200,"status":true,"successMsg":null,"formError":null,"globalError":null,"parameters":null,"dataObject":{"geoDomainList":null,"geoDomainListSize":null,"geoDomainCode":null,"geoDomainName":null,"categoryCode":null,"categoryName":null,"ownerCategoryName":null,"userID":null,"userName":null,"categoryList":null,"domainCode":null,"domainName":null,"userList":null,"userListSize":0,"domainList":null,"loginUserType":null,"loginUserCatCode":null,"loginUserCatName":null,"loginUserID":null,"loginUserName":null,"selfAllow":false,"ownerID":null,"ownerName":null,"ownerOnly":false,"time":0,"fileType":null,"serviceList":null,"serviceCode":null,"serviceName":null,"processedOn":null,"scheduleDate":null,"noOfRecords":null,"scheduleNow":"off","uploadedFileLocation":null,"downloadTemplateLocation":null,"requestFor":null,"batchID":"SB170208.0006","loginId":"ycorpe","frequency":null,"iterations":0,"frequencyCode":"DAILY","scheduleList":[{"iterations":3,"frequency":"MONTHLY","executedIterations":0,"processedOn":null,"processedOnStr":"","activeUserId":"NGCO0000000013","activeUserName":"ycorpe ycorpe","connectionRefuseCounter":0,"senderMsisdn":null,"networkCode":"NG","serviceType":"RC","senderLocale":null,"noOfRecords":1,"cancelledCount":0,"batchType":"CORPORATE","ownerID":"NGCO0000000013","parentID":"NGCO0000000013","createdBy":null,"modifiedBy":null,"createdOn":null,"modifiedOn":null,"statusDesc":"Scheduled","batchIDDisp":"SB170208.0006(08/02/17)","prevStatus":null,"endDateOfBatch":null,"proccessedRecords":0,"totalRecords":0,"unproccessedRecords":0,"startDateOfBatch":null,"otherInfo1":null,"otherInfo3":null,"othterInfo2":null,"senderlanguageCode":null,"initiatedBy":"NGCO0000000013","parentCategory":"CORPE","parentDomain":"CORP","processFailedCount":0,"scheduledDate":"2017-02-08","successfulCount":0,"totalCount":3,"uploadFailedCount":2,"initiatedByName":"ycorpe ycorpe","scheduledDateStr":"08/02/17","refBatchID":"SB170208.0006","displayBatchID":"SB170208.0006 (08/02/17)","batchID":"SB170208.0006","serviceName":"Customer Recharge","status":"S","list":null,"lastModifiedTime":1486550617000},"fieldError":{},"messageCode":null}

# Fields Detail

| TAG | Fields | Remarks | Example | Field Type | Optional/  Mandatory |
| --- | --- | --- | --- | --- | --- |
| statusCode | Status code of request | Return 200 if request lands on pretups server | 200 | N | M |
| status | Return request status | Either true or false based on error or success message | true | A | M |
| successMsg | Message for operation status | Success message return by service id operation executes successfully | C2S reversal transaction status check successful | A | M |
| globalError | Any runtime exception | Runtime exception message occurs at the time of operation execution | Request format is wrong | A | M |
| fieldError | Error message for mandatory fields | Error message for mandatory fields | transactionId is required | A | M |
| messageCode | Message code for the response status | A numeric value which represent to a message for success or failure | Message reference code | A | M |
| dataObject | JSON format of data fetched form DB | JSON format of data fetched form DB | {“Key”:”Value”} | A | M |

# Business Rules

* Type tag will identify the type of resource.
* Data object will have all the data related to operation

## Batch Schedule Recharge File upload

In this resource User can get Cancel scheduled batche

# Request Syntax

The External System will send the following request for return. The request format and details of request are mentioned below.

{"loginId":"${loginId}", "password":"${password}", "data":{"categoryCode":"${categoryCode}", "domainCode":"${domainCode}", "serviceCode":"${serviceCode}","noOfRecords":"${noOfRecords}","fileType":"${fileType}","scheduleNow":"${scheduleNow}","requestFor":"${requestFor}", "loginId":"${userLoginID}", "uploadedFileLocation":"${inputFile}", "geoDomainCode":"${geoDomainCode}","iterations":"${iterations}","frequencyCode":"${frequencyCode}","scheduleDate":"${scheduleDate}"}, "externalCode":"${externalCode}", "type":"${typeUpload}"}

# Fields Detail

| TAG | Fields | Remarks | Example | Field Type | Optional/  Mandatory |
| --- | --- | --- | --- | --- | --- |
| **DATA** | | | | | |
| LoginId | User’s login Id in PreTUPS who has initiated request | Valid login Id of user | satcorp | A (10) | M |
| password | password of initiated channel user | Valid password of user | 1357 | A (10) | M |
| type | Service type | Service type of operation | CANCELBATCH | A(10) | M |
| data | JSON object of data required for service | Valid JSON Object required for operation | {“Key”:”Value”,”Key”:”Value”} | A | M |
| domainCode | User’s Domain Id in PreTUPS who has initiated request | Valid Domain Code of user | DIST | A (10) | M |
| serviceCode | User’s service Id in PreTUPS who has initiated request | Valid service Code of user | RC | A (10) | M |
| categoryCode | User’s category Id in PreTUPS who has initiated request | Valid Category Code of user | DIST | A (10) | M |
| noOfRecords | No of records | No of records | 3 | N | M |
| uploadedFileLocation | Location of the uploaded File | Location of the uploaded File | C:\Users\harshad.m.COMVIVA\Downloads | A | M |
| geoDomainCode | User’s geographical domanin code in PreTUPS who has initiated request | Valid geographical Domain Code of user | ZAR | A | M |
| iterations | Number of iterations | Number of iterations | 2 | N | M |
| frequencyCode | Frequency to schedule batch | Frequency to schedule batch | daily | A | M |
| scheduleDate | Date of first schedule | Date of first schedule | 17/01/17 | Date | M |
| externalCode | User’s External Code | User’s External Code | 46163 | A | M |
| typeUpload | Upload type | Upload type | CORPORATE | A | M |

# Response Syntax

PreTUPS system sends the acknowledgement to the External system. The acknowledgement will be in JSON and send as response of the request. The JSON response details are mentioned below.

# {"statusCode":200,"status":true,"successMsg":null,"formError":null,"globalError":null,"parameters":null,"dataObject:“file uploaded Successfully”,"fieldError":{},"messageCode":null}

# Fields Detail

| TAG | Fields | Remarks | Example | Field Type | Optional/  Mandatory |
| --- | --- | --- | --- | --- | --- |
| statusCode | Status code of request | Return 200 if request lands on pretups server | 200 | N | M |
| status | Return request status | Either true or false based on error or success message | true | A | M |
| successMsg | Message for operation status | Success message return by service id operation executes successfully | C2S reversal transaction status check successful | A | M |
| globalError | Any runtime exception | Runtime exception message occurs at the time of operation execution | Request format is wrong | A | M |
| fieldError | Error message for mandatory fields | Error message for mandatory fields | transactionId is required | A | M |
| messageCode | Message code for the response status | A numeric value which represent to a message for success or failure | Message reference code | A | M |
| dataObject | JSON format of data fetched form DB | JSON format of data fetched form DB | {“Key”:”Value”} | A | M |

# Business Rules

* Type tag will identify the type of resource.
* Data object will have all the data related to operation

## View Schedule Topup (Single)

This is used to view Schedule Recharge details for a single mobile number.

# Request Syntax

The External System will send the following request for return. The request format and details of request are mentioned below.

{"loginId":"${loginId}","password":"${password}","type":"${ViewScheduleType}","data":{"geoDomainCode":"${geoDomainCode}","domainCode":"${domainCode}","categoryCode":"${categoryCode}","loginId":"${loginId}","msisdn":"${\_\_property(MOBILENUMBER)}"}}

# Fields Detail

| TAG | Fields | Remarks | Example | Field Type | Optional/  Mandatory |
| --- | --- | --- | --- | --- | --- |
| **DATA** | | | | | |
| LoginId | User’s login Id in PreTUPS who has initiated request | Valid login Id of user | satcorp | A (10) | M |
| password | password of initiated channel user | Valid password of user | 1357 | A (10) | M |
| type | Service type | Service type of operation | VIEWSUBSSCHEDULE | A(10) | M |
| data | JSON object of data required for service | Valid JSON Object required for operation | {“Key”:”Value”,”Key”:”Value”} | A | M |

# Response Syntax

PreTUPS system sends the acknowledgement to the External system. The acknowledgement will be in JSON and send as response of the request. The JSON response details are mentioned below.

# Example :

{"statusCode":200,

"status":true,

"successMsg":null,

"formError":null,

"globalError":null,

"parameters":null,

"dataObject":[{"lastSuccessTransferService":null,"rowNumber":null,"frequency":"DAILY","iterations":1,"executedIterations":0,"subServiceDesc":"CVG","subService":"1","processedOn":null,"batchType":"CORPORATE","activeUserName":"satcorp ","scheduleStatus":null,"checkBoxVal":null,"transactionID":null,"batchID":"SB170109.0001","processedOnAsString":" ","donorMsisdn":null,"prevScheduleStatus":null,"scheduleDateStr":"09/01/17","transferErrorCode":null,"donorLanguage":null,"donorCountry":null,"donorName":null,"donorLanguageCode":null,"senderLanguageCode":null,"restrictedType":null,"error":false,"lineNumber":null,"tempStatus":null,"failCount":0,"blackListedStatus":null,"approvedBy":null,"approvedOn":null,"ownerID":null,"amount":9000,"countryCode":0,"remarks":null,"employeeCode":null,"subscriberType":"RC","languageCode":null,"country":null,"language":null,"channelUserID":null,"maxTxnAmount":0,"cp2pWithInList":null,"cp2pPayerStatus":null,"cp2pPayeeStatus":null,"subscriberDomainCode":null,"cp2pListLevel":null,"rechargeThroughParent":null,"channelUserCategory":null,"associatedBy":null,"associationDate":null,"amountForDisp":"90","maxTxnAmtForDisp":null,"minTxnAmtForDisp":null,"monthlyLimitForDisp":null,"totalTransferAmountForDisp":null,"blackListStatus":null,"statusDes":"Scheduled","totalTxnCount":0,"subscriberID":"NG000000000454","employeeName":null,"minTxnAmount":0,"monthlyLimit":0,"ntwrkPrfxError":null,"countryCodeError":null,"blackListStatusDesc":null,"approvedOnStr":null,"totalTxnCountForDisp":null,"c2sPayeeStatus":null,"errorCodeArgs":null,"errorCode":null,"lastModifiedTime":0,"networkCode":"NG","postOfflineInterface":false,"cvv":null,"cardDetailsVO":null,"scheduleAmount":0,"scheduleType":null,"scheduleDate":null,"failRetryCount":0,"currentBalance":0,"category":null,"lastTransferOn":null,"lastTxnOnAsString":null,"lastTxnCount":0,"subscriberTypeDescription":"Customer Recharge","lastSuccessTransferDate":null,"lastTransferAmount":0,"lastTransferMSISDN":null,"lastTransferStatus":null,"requestStatus":null,"serviceClassCode":null,"monthlyTransferAmount":0,"monthlyTransferCount":0,"totalTransferAmount":0,"totalTransfers":0,"lastSuccessTransferDateStr":"","monthlyTransferAmountStr":null,"monthlyTransferCountStr":null,"transactionStatus":null,"interfaceResponseCode":null,"usingAllServiceClass":false,"maxTxnAmountAllowed":0.0,"minResidualBalanceAllowed":0.0,"minTxnAmountAllowed":0.0,"maxPerTransferAllowed":0.0,"sid":null,"nickName":null,"pin":null,"prefixID":0,"userChargeGrouptypeCounters":null,"userControlGrouptypeCounters":null,"createdOn":null,"modifiedOn":null,"msisdn":"7239004572","module":null,"createdOnAsString":"09/01/17","createdBy":"satcorp ","modifiedBy":null,"lastTransferType":null,"lastTransferID":null,"msisdnPrefix":null,"userID":null,"status":"S"},{"lastSuccessTransferService":null,"rowNumber":null,"frequency":"DAILY","iterations":1,"executedIterations":0,"subServiceDesc":"CVG","subService":"1","processedOn":null,"batchType":"CORPORATE","activeUserName":"satcorp ","scheduleStatus":null,"checkBoxVal":null,"transactionID":null,"batchID":"SB161221.0002","processedOnAsString":" ","donorMsisdn":null,"prevScheduleStatus":null,"scheduleDateStr":"21/12/16","transferErrorCode":null,"donorLanguage":null,"donorCountry":null,"donorName":null,"donorLanguageCode":null,"senderLanguageCode":null,"restrictedType":null,"error":false,"lineNumber":null,"tempStatus":null,"failCount":0,"blackListedStatus":null,"approvedBy":null,"approvedOn":null,"ownerID":null,"amount":9000,"countryCode":0,"remarks":null,"employeeCode":null,"subscriberType":"RC","languageCode":null,"country":null,"language":null,"channelUserID":null,"maxTxnAmount":0,"cp2pWithInList":null,"cp2pPayerStatus":null,"cp2pPayeeStatus":null,"subscriberDomainCode":null,"cp2pListLevel":null,"rechargeThroughParent":null,"channelUserCategory":null,"associatedBy":null,"associationDate":null,"amountForDisp":"90","maxTxnAmtForDisp":null,"minTxnAmtForDisp":null,"monthlyLimitForDisp":null,"totalTransferAmountForDisp":null,"blackListStatus":null,"statusDes":"Cancel","totalTxnCount":0,"subscriberID":"NG000000000454","employeeName":null,"minTxnAmount":0,"monthlyLimit":0,"ntwrkPrfxError":null,"countryCodeError":null,"blackListStatusDesc":null,"approvedOnStr":null,"totalTxnCountForDisp":null,"c2sPayeeStatus":null,"errorCodeArgs":null,"errorCode":null,"lastModifiedTime":0,"networkCode":"NG","postOfflineInterface":false,"cvv":null,"cardDetailsVO":null,"scheduleAmount":0,"scheduleType":null,"scheduleDate":null,"failRetryCount":0,"currentBalance":0,"category":null,"lastTransferOn":null,"lastTxnOnAsString":null,"lastTxnCount":0,"subscriberTypeDescription":"Customer Recharge","lastSuccessTransferDate":null,"lastTransferAmount":0,"lastTransferMSISDN":null,"lastTransferStatus":null,"requestStatus":null,"serviceClassCode":null,"monthlyTransferAmount":0,"monthlyTransferCount":0,"totalTransferAmount":0,"totalTransfers":0,"lastSuccessTransferDateStr":"","monthlyTransferAmountStr":null,"monthlyTransferCountStr":null,"transactionStatus":null,"interfaceResponseCode":null,"usingAllServiceClass":false,"maxTxnAmountAllowed":0.0,"minResidualBalanceAllowed":0.0,"minTxnAmountAllowed":0.0,"maxPerTransferAllowed":0.0,"sid":null,"nickName":null,"pin":null,"prefixID":0,"userChargeGrouptypeCounters":null,"userControlGrouptypeCounters":null,"createdOn":null,"modifiedOn":null,"msisdn":"7239004572","module":null,"createdOnAsString":"21/12/16","createdBy":"satcorp ","modifiedBy":null,"lastTransferType":null,"lastTransferID":null,"msisdnPrefix":null,"userID":null,"status":"C"}],"fieldError":{},"messageCode":null}

# Fields Detail

| TAG | Fields | Remarks | Example | Field Type | Optional/  Mandatory |
| --- | --- | --- | --- | --- | --- |
| statusCode | Status code of request | Return 200 if request lands on pretups server | 200 | N | M |
| status | Return request status | Either true or false based on error or success message | true | A | M |
| successMsg | Message for operation status | Success message return by service id operation executes successfully | C2S reversal transaction status check successful | A | M |
| globalError | Any runtime exception | Runtime exception message occurs at the time of operation execution | Request format is wrong | A | M |
| formError | Error message for mandatory fields | Error message for mandatory fields | transactionId is required | A | M |
| parameters | Parameters | Paramaters | null | A | M |
| dataObject | JSON format of data fetched form DB | JSON format of data fetched form DB | {“Key”:”Value”} | A | M |

# Business Rules

* Type tag will identify the type of resource.
* Data object will have all the data related to operation

## View Network

In this resource User can view the details of Network

# Request Syntax

The External System will send the following request for return. The request format and details of request are mentioned below.

# {"data":{"networkCode":"NG"}}

# Fields Detail

| TAG | Fields | Remarks | Example | Field Type | Optional/  Mandatory |
| --- | --- | --- | --- | --- | --- |
| **DATA** | | | | | |
| LoginId | User’s login Id in PreTUPS who has initiated request | Valid login Id of user | satcorp | A (10) | M |
| password | password of initiated channel user | Valid password of user | 1357 | A (10) | M |
| networkCode | networkCode | networkCode of user | NG | A (13) | M |
| type | Service type | Service type of operation | VIEWSCHRCBATCH2 | A(10) | M |
| data | JSON object of data required for service | Valid JSON Object required for operation | {“Key”:”Value”,”Key”:”Value”} | A | M |
| status | Value of status in drop down | Value of status | 'N' | A | M |

# Response Syntax

PreTUPS system sends the acknowledgement to the External system. The acknowledgement will be in JSON and send as response of the request. The JSON response details are mentioned below.

# {

# "statusCode": 200,

# "status": true,

# "successMsg": null,

# "formError": null,

# "globalError": null,

# "parameters": null,

# "dataObject": {

# "dataListStatusOld": null,

# "dataList": null,

# "newNetworkCode": null,

# "newNetworkStatus": null,

# "newLanguage1Message": null,

# "newLanguage2Message": null,

# "state": "NGR",

# "lastModified": 1486552050000,

# "country": "NGR",

# "status": "Y",

# "reportHeaderName": "Comviva",

# "language2Message": "A",

# "language1Message": "A",

# "createdBy": "SU0001",

# "networkName": "Network",

# "remarks": null,

# "address2": "street2",

# "city": "NGR",

# "address1": "street1",

# "modifiedOn": "2017-02-08",

# "createdOn": "2007-03-29",

# "modifiedBy": "superadmin",

# "statusDesc": null,

# "networkCode": "NG",

# "code": null,

# "companyName": "Network",

# "zipCode": "110020",

# "statusList": null,

# "serviceSetID": "1",

# "text1Value": null,

# "text2Value": null,

# "networkType": "C",

# "networkShortName": "NG",

# "erpNetworkCode": "NG",

# "modifiedTimeStamp": null,

# "countryPrefixCode": "227"

# },

# "fieldError": null,

# "messageCode": null

# }

# Fields Detail

| TAG | Fields | Remarks | Example | Field Type | Optional/  Mandatory |
| --- | --- | --- | --- | --- | --- |
| statusCode | Status code of request | Return 200 if request lands on pretups server | 200 | N | M |
| status | Return request status | Either true or false based on error or success message | true | A | M |
| successMsg | Message for operation status | Success message return by service id operation executes successfully | C2S reversal transaction status check successful | A | M |
| globalError | Any runtime exception | Runtime exception message occurs at the time of operation execution | Request format is wrong | A | M |
| fieldError | Error message for mandatory fields | Error message for mandatory fields | transactionId is required | A | M |
| messageCode | Message code for the response status | A numeric value which represent to a message for success or failure | Message reference code | A | M |
| dataObject | JSON format of data fetched form DB | JSON format of data fetched form DB | {“Key”:”Value”} | A | M |

# Business Rules

* Type tag will identify the type of resource.
* Data object will have all the data related to operation

## View Self Details

In this resource User can view the details of the user.

# Request Syntax

The External System will send the following request for return. The request format and details of request are mentioned below.

# {"data":{"loginId":"superadmin"}}

# Fields Detail

| TAG | Fields | Remarks | Example | Field Type | Optional/  Mandatory |
| --- | --- | --- | --- | --- | --- |
| **DATA** | | | | | |
| LoginId | User’s login Id in PreTUPS who has initiated request | Valid login Id of user | satcorp | A (10) | M |
| password | password of initiated channel user | Valid password of user | 1357 | A (10) | M |
| type | Service type | Service type of operation | VIEWSCHRCBATCH2 | A(10) | M |
| data | JSON object of data required for service | Valid JSON Object required for operation | {“Key”:”Value”,”Key”:”Value”} | A | M |

# Response Syntax

PreTUPS system sends the acknowledgement to the External system. The acknowledgement will be in JSON and send as response of the request. The JSON response details are mentioned below.

# {

# "statusCode": 200,

# "status": true,

# "successMsg": null,

# "formError": null,

# "globalError": null,

# "parameters": null,

# "dataObject": {//All details of the user }

}

# Fields Detail

| TAG | Fields | Remarks | Example | Field Type | Optional/  Mandatory |
| --- | --- | --- | --- | --- | --- |
| statusCode | Status code of request | Return 200 if request lands on pretups server | 200 | N | M |
| status | Return request status | Either true or false based on error or success message | true | A | M |
| successMsg | Message for operation status | Success message return by service id operation executes successfully | C2S reversal transaction status check successful | A | M |
| globalError | Any runtime exception | Runtime exception message occurs at the time of operation execution | Request format is wrong | A | M |
| fieldError | Error message for mandatory fields | Error message for mandatory fields | transactionId is required | A | M |
| messageCode | Message code for the response status | A numeric value which represent to a message for success or failure | Message reference code | A | M |
| dataObject | JSON format of data fetched form DB | JSON format of data fetched form DB | {“Key”:”Value”} | A | M |

# Business Rules

* Type tag will identify the type of resource.
* Data object will have all the data related to operation

## Network Status

In this resource User can change the status of networks.

# Request Syntax

The External System will send the following request for return. The request format and details of request are mentioned below.

{"loginId":"superadmin","password":"13572468","data":{"newNetworkCode”:[“NG”], "loginId":"superadmin", "newLanguage1Message":["Le service est momentanment suspendu,veuillez ressayer ultrieurement.","Network is temporarily unavailable please try after some time."], "newLanguage2Message":["Le service est momentanment suspendu,veuillez ressayer ultrieurement.","Network is temporarily unavailablepleasetryaftersometime."]},"type":"SAVENETWORKSTATUS","externalCode":""}

# Fields Detail

| TAG | Fields | | Remarks | Example | Field Type | Optional/  Mandatory |
| --- | --- | --- | --- | --- | --- | --- |
| **DATA** | | | | | | |
| loginId | | User’s login Id in PreTUPS who has initiated request | Valid login Id of user | superadmin | A (10) | M |
| password | | User’s password in PreTUPS | Valid password of user | 1357 | A (10) | O |
| newNetworkCode | | String of Network Code that needs to be activated | Valid networkCode of networks | ["NG","PB"] | A (10) | M |
| newLanguage1Message | | String of language1 Message that needs to be updated | Valid language1 Message | ["ABC","DEF"] | A (10) | M |
| type | | Service type | Service type of operation | CONFIRMUSRTRANSFER | A(10) | M |
| data | | JSON object of data required for service | Valid JSON Object required for operation | {“Key”:”Value”,”Key”:”Value”} | A | M |
| newLanguage2Message | | String of language2 Message that needs to be updated | Valid language1 Message | ["ABC","DEF"] | A | M |
| externalCode | | User’s External Code | Valid external code | 13579876 | N (10) | O |

# Response Syntax

PreTUPS system sends the acknowledgement to the External system. The acknowledgement will be in JSON and send as response of the request. The JSON response details are mentioned below.

# {"statusCode":200,"status":true,"successMsg":"null","formError":null,"globalError":null,"parameters":["3100001450"],"dataObject"lastModified":1486552050000,"country":null,"createdBy":null,"language1Message":"Network is temporarily unavailable please try after some time.","language2Message":"Network is temporarily unavailable please try after some time.","status":"S","networkName":"Airtel”,"networkCode":"AT,"fieldError":null,"messageCode":"null"}

# Fields Detail

| TAG | Fields | Remarks | Example | Field Type | Optional/  Mandatory |
| --- | --- | --- | --- | --- | --- |
| statusCode | Status code of request | Return 200 if request lands on pretups server | 200 | N | M |
| status | Return request status | Either true or false based on error or success message | true | A | M |
| successMsg | Message for operation status | Success message return by service id operation executes successfully | C2S reversal transaction status check successful | A | M |
| globalError | Any runtime exception | Runtime exception message occurs at the time of operation execution | Request format is wrong | A | M |
| fieldError | Error message for mandatory fields | Error message for mandatory fields | transactionId is required | A | M |
| messageCode | Message code for the response status | A numeric value which represent to a message for success or failure | Message reference code | A | M |
| dataObject | JSON format of data fetched form DB | JSON format of data fetched form DB | {“Key”:”Value”} | A | M |

# Business Rules

* Type tag will identify the type of resource.
* Data object will have all the data related to operation

## Change Network

In this resource User can change from existing network to any selected network.

# Request Syntax

The External System will send the following request for return. The request format and details of request are mentioned below.

{"loginId":"","password":"1357","data":{"loginId":"superadmin", "networkCode":"NG"},"type":"SUBMITCHANGENETWORK","externalCode":""}

# Fields Detail

| TAG | Fields | Remarks | Example | Field Type | Optional/  Mandatory |
| --- | --- | --- | --- | --- | --- |
| **DATA** | | | | | |
| loginId | User’s login Id in PreTUPS who has initiated request | Valid login Id of user | superadmin | A (10) | M |
| password | User’s password in PreTUPS | Valid password of user | 1357 | A (10) | O |
| networkCode | Network Code of Changed Network | Valid Network Code of user | NG | A (2) | M |
| type | Service type | Service type of operation | CONFIRMUSRTRANSFER | A(10) | M |
| data | JSON object of data required for service | Valid JSON Object required for operation | {“Key”:”Value”,”Key”:”Value”} | A | M |
| externalCode | User’s External Code | Valid external code | 13579876 | N (10) | O |

# Response Syntax

PreTUPS system sends the acknowledgement to the External system. The acknowledgement will be in JSON and send as response of the request. The JSON response details are mentioned below.

# {"statusCode":200,"status":true,"successMsg":"null","formError":null,"globalError":null,"parameters":["3100001450"],"dataObject"lastModified":1486552050000,"country":null,"createdBy":null,"language1Message":"Network is temporarily unavailable please try after some time.","language2Message":"Network is temporarily unavailable please try after sometime.","status":"S","networkName":"Airtel”,"networkCode":"AT,"fieldError":null,"messageCode":"null"}

# Fields Detail

| TAG | Fields | Remarks | Example | Field Type | Optional/  Mandatory |
| --- | --- | --- | --- | --- | --- |
| statusCode | Status code of request | Return 200 if request lands on pretups server | 200 | N | M |
| status | Return request status | Either true or false based on error or success message | true | A | M |
| successMsg | Message for operation status | Success message return by service id operation executes successfully | C2S reversal transaction status check successful | A | M |
| globalError | Any runtime exception | Runtime exception message occurs at the time of operation execution | Request format is wrong | A | M |
| fieldError | Error message for mandatory fields | Error message for mandatory fields | transactionId is required | A | M |
| messageCode | Message code for the response status | A numeric value which represent to a message for success or failure | Message reference code | A | M |
| dataObject | JSON format of data fetched form DB | JSON format of data fetched form DB | {“Key”:”Value”} | A | M |

# Business Rules

* Type tag will identify the type of resource.
* Data object will have all the data related to operation

## Batch Recharge Reschedule-Load Batch List

In this resource User can view scheduled batch list .

# Request Syntax

The External System will send the following request for return. The request format and details of request are mentioned below.

{"loginId":"","data":{"geoDomainCode":"ZAR","categoryCode":"CORPE","userID":"NGCO0000011490","serviceTypeCode":"RC"},"type":"LOADBATCHLIST"}

# Fields Detail

| TAG | Fields | Remarks | Example | Field Type | Optional/  Mandatory |
| --- | --- | --- | --- | --- | --- |
| **DATA** | | | | | |
| loginId | User’s login Id in PreTUPS who has initiated request | Valid login Id of user | satcorp | A (10) | M |
| password | User’s password in PreTUPS | Valid password of user | 1357 | A (10) | M |
| geoDomainCode | Geographic domain code | Valid Geographic domain code | ZAR | A (2) | M |
| categoryCode | Category code | Valid Category code | CORPE | A(10) | M |
| userID | User id | Valid user id | NGCO0000011490 | A | M |
| serviceTypeCode | Service type code | Valid Service type code | RC | A | M |
| type | Service type | Service type of operation | LOADBATCHLIST | A | M |

# Response Syntax

PreTUPS system sends the acknowledgement to the External system. The acknowledgement will be in JSON and send as response of the request. The JSON response details are mentioned below.

# {"statusCode":200,"status":true,"successMsg":"batch.reschedule.recharge.batchlist.loaded","dataObject":{"geoDomainCode":"ZAR","

# categoryCode":"CORPE","userID":"NGCO0000011490","userName":"Peter

# Parker","domainCode":"CORP","scheduleList":[{"lastModifiedTime":1480474804000,"senderLocale":null,"serviceType":"RC","batchID":"SB161130.0006","parentCategory":"CO

# RPE","cancelledCount":0,"list":null,"status":"S","serviceName":"Customer

# Recharge","createdBy":null,"totalRecords":0,"otherInfo1":null,"otherInfo3":null,"batchIDDisp":"SB161130.0006(30/11/16)","othterInfo2":null,"initiatedBy":"NGCO00000

# 11490","parentDomain":"CORP","scheduledDate":"2016-11-30","refBatchID":"SB161130.0006","connectionRefuseCounter":0,"endDateOfBatch":null,"proccessedRecords":0,"unp

# roccessedRecords":0,"startDateOfBatch":null,"senderlanguageCode":null,"processFailedCount":0,"successfulCount":0,"uploadFailedCount":0,"initiatedByName":"Peter

# Parker","scheduledDateStr":"30/11/16","networkCode":"NG","totalCount":2,"ownerID":"NGCO0000011490","parentID":"NGCO0000011490","modifiedBy":null,"createdOn":null,"

# modifiedOn":null,"statusDesc":"Scheduled","senderMsisdn":null,"batchType":"CORPORATE","activeUserName":"Peter

# Parker","activeUserId":"NGCO0000011490","noOfRecords":2,"prevStatus":null}}],"serviceTpeCode":"RC"}}

# Fields Detail

| TAG | Fields | Remarks | Example | Field Type | Optional/  Mandatory |
| --- | --- | --- | --- | --- | --- |
| statusCode | Status code of request | Return 200 if request lands on pretups server | 200 | N | M |
| status | Return request status | Either true or false based on error or success message | true | A | M |
| successMsg | Message for operation status | Success message return by service id operation executes successfully | batch.reschedule.recharge.batchlist.loaded | A | M |
| globalError | Any runtime exception | Runtime exception message occurs at the time of operation execution | Request format is wrong | A | M |
| fieldError | Error message for mandatory fields | Error message for mandatory fields | transactionId is required | A | M |
| messageCode | Message code for the response status | A numeric value which represent to a message for success or failure | Message reference code | A | M |
| dataObject | JSON format of data fetched form DB | JSON format of data fetched form DB | {“Key”:”Value”} | A | M |

# Business Rules

* Type tag will identify the type of resource.
* Data object will have all the data related to operation

## Batch Recharge Reschedule–Download Batch File

In this resource User can download scheduled batch file for which he wants to reschedule.

# Request Syntax

The External System will send the following request for return. The request format and details of request are mentioned below.

# {"loginId":"satcorp","data":{"userID":"NGCO0000011490","fileType":"CORPORATE","batchID":"SB161216.0064","serviceTypeCode":"RC"},"type":"DWNLDBATCHFILE"}

# Fields Detail

| TAG | Fields | Remarks | Example | Field Type | Optional/  Mandatory |
| --- | --- | --- | --- | --- | --- |
| **DATA** | | | | | |
| loginId | User’s login Id in PreTUPS who has initiated request | Valid login Id of user | satcorp | A (10) | M |
| password | User’s password in PreTUPS | Valid password of user | 1357 | A (10) | M |
| fileType | File type | Valid File type | CORPORATE | A (2) | M |
| categoryCode | Category code | Valid Category code | CORPE | A(10) | M |
| batchID | Batch id | Valid batch id | SB161216.0064 | A(10) | M |
| userID | User id | Valid user id | NGCO0000011490 | A | M |
| serviceTypeCode | Service type code | Valid Service type code | RC | A | M |
| type | Service type | Service type of operation | DWNLDBATCHFILE | A | M |

# Response Syntax

PreTUPS system sends the acknowledgement to the External system. The acknowledgement will be in JSON and send as response of the request. The JSON response details are mentioned below.

{"statusCode":200,"status":true,"successMsg":"batch.reschedule.batchfile.create","formError":null,"globalError":null,"dataObject":{"userID":"NGCO0000011490","fileT

ype":"CORPORATE","batchID":"SB161130.0006","serviceTypeCode":"RC","downloadFilePath":"D:\\JASO\\Tools\\apache-tomcat-8.0.30\\logs\\downloadschedule\\schedule148051

2708707.csv"},"fieldError":null,"messageCode":null}

# Fields Detail

| TAG | Fields | Remarks | Example | Field Type | Optional/  Mandatory |
| --- | --- | --- | --- | --- | --- |
| statusCode | Status code of request | Return 200 if request lands on pretups server | 200 | N | M |
| status | Return request status | Either true or false based on error or success message | true | A | M |
| successMsg | Message for operation status | Success message return by service id operation executes successfully | batch.reschedule.recharge.batchlist.loaded | A | M |
| globalError | Any runtime exception | Runtime exception message occurs at the time of operation execution | Request format is wrong | A | M |
| fieldError | Error message for mandatory fields | Error message for mandatory fields | transactionId is required | A | M |
| messageCode | Message code for the response status | A numeric value which represent to a message for success or failure | Message reference code | A | M |
| dataObject | JSON format of data fetched form DB | JSON format of data fetched form DB | {“Key”:”Value”} | A | M |

# Business Rules

* Type tag will identify the type of resource.
* Data object will have all the data related to operation

## Batch Recharge Reschedule

In this resource User can re-schedule (change of scheduled date or requested amount ) any batch recharge, And will generate a new batch id.

# Request Syntax

The External System will send the following request for return. The request format and details of request are mentioned below.

# {"loginId":"satcorp","password":"1357","data":{"categoryCode":"CORPE","userID":"NGCO0000011490","domainCode":"CORP","serviceCode":"RC","scheduleDate":"15/12/16","noOfRecords":5,"requestFor":"reschedule","batchID":"SB161215.0015","iterations":null,"frequencyCode":"","uploadFilePath":"D:\\JASO\\Tools\\apache-tomcat-8.0.30\\logs\\schedule\\schedule1481794562748.csv"},"type":"PROCESSRESCHDL"}

# Fields Detail

| TAG | Fields | Remarks | Example | Field Type | Optional/  Mandatory |
| --- | --- | --- | --- | --- | --- |
| **DATA** | | | | | |
| loginId | User’s login Id in PreTUPS who has initiated request | Valid login Id of user | satcorp | A (10) | M |
| password | User’s password in PreTUPS | Valid password of user | 1357 | A (10) | M |
| fileType | File type | Valid File type | CORPORATE | A (2) | M |
| categoryCode | Category code | Valid Category code | CORPE | A(10) | M |
| batchID | Batch id | Valid batch id | SB161216.0064 | A(10) | M |
| scheduleDate | Schedule date | Valid Schedule date | 15/12/16 | Date | M |
| noOfRecords | No of records | Valid No of records | 5 | N | M |
| requestFor | Request for | Value for request for | reschedule | A | O |
| iterations | iterations | Iteration value | Daily | A | O |
| frequencyCode | Frequency | Frequency value | 1 | N | O |
| userID | User id | Valid user id | NGCO0000011490 | A | M |
| uploadFilePath | Upload file path | Valid file path | File location | A | M |
| serviceTypeCode | Service type code | Valid Service type code | RC | A | M |
| type | Service type | Service type of operation | PROCESSRESCHDL | A | M |

# Response Syntax

PreTUPS system sends the acknowledgement to the External system. The acknowledgement will be in JSON and send as response of the request. The JSON response details are mentioned below.

{"statusCode":200,"status":true,"successMsg":"restrictedsubs.scheduletopuprecharge.file.has.been.processed.successfully","formError":null,"globalError":null,"param

eters":["SB161215.0019"],"dataObject":null,"fieldError":{},"messageCode":null}

# Fields Detail

| TAG | Fields | Remarks | Example | Field Type | Optional/  Mandatory |
| --- | --- | --- | --- | --- | --- |
| statusCode | Status code of request | Return 200 if request lands on pretups server | 200 | N | M |
| status | Return request status | Either true or false based on error or success message | true | A | M |
| successMsg | Message for operation status | Success message return by service id operation executes successfully | batch.reschedule.recharge.batchlist.loaded | A | M |
| globalError | Any runtime exception | Runtime exception message occurs at the time of operation execution | Request format is wrong | A | M |
| fieldError | Error message for mandatory fields | Error message for mandatory fields | transactionId is required | A | M |
| messageCode | Message code for the response status | A numeric value which represent to a message for success or failure | Message reference code | A | M |
| dataObject | JSON format of data fetched form DB | JSON format of data fetched form DB | {“Key”:”Value”} | A | M |

# Business Rules

* Type tag will identify the type of resource.
* Data object will have all the data related to operation

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