PreTUPS USSD XML/HTTP Interface

Version 7.2.0

Table of Contents

[Document Overview VII](#_Toc427753104)

[1.1 Scope VII](#_Toc427753105)

[1.2 Abbreviations and Conventions VII](#_Toc427753106)

[1.3 References VII](#_Toc427753107)

[2 Architecture and Communication Protocol VIII](#_Toc427753108)

[2.1 Architecture VIII](#_Toc427753109)

[2.2 Communication VIII](#_Toc427753110)

[2.3 Authentication VIII](#_Toc427753111)

[2.4 Connection procedure IX](#_Toc427753112)

[3 CP2P Services XI](#_Toc427753113)

[3.1 Account Information and Credit Transfer XI](#_Toc427753114)

[3.1.1 XML Request Syntax XI](#_Toc427753115)

[3.1.2 XML Response Syntax XII](#_Toc427753116)

[3.2 Credit Transfer XIII](#_Toc427753117)

[3.2.1 XML Request Syntax XIII](#_Toc427753118)

[3.2.2 XML Response Syntax XIV](#_Toc427753119)

[3.3 Set PIN XV](#_Toc427753120)

[3.3.1 XML Request Syntax XV](#_Toc427753121)

[3.3.2 XML Response Syntax XVI](#_Toc427753122)

[3.4 Set Notification Language XVII](#_Toc427753123)

[3.4.1 XML Request Syntax XVII](#_Toc427753124)

[3.4.2 XML Response Syntax XVII](#_Toc427753125)

[3.5 History XVIII](#_Toc427753126)

[3.5.1 XML Request Syntax XVIII](#_Toc427753127)

[3.5.2 XML Response Syntax XIX](#_Toc427753128)

[3.6 Credit Recharge XIX](#_Toc427753129)

[3.6.1 XML Request Syntax XIX](#_Toc427753130)

[3.6.2 XML Response Syntax XXI](#_Toc427753131)

[3.7 Last Transfer Status XXI](#_Toc427753132)

[3.7.1 XML Request Syntax XXI](#_Toc427753133)

[3.7.2 XML Response Syntax XXII](#_Toc427753134)

[3.8 Add Buddy XXIII](#_Toc427753135)

[3.8.1 XML Request Syntax XXIII](#_Toc427753136)

[3.8.2 XML Response Syntax XXIV](#_Toc427753137)

[3.9 Delete Buddy XXIV](#_Toc427753138)

[3.9.1 XML Request Syntax XXIV](#_Toc427753139)

[3.9.2 XML Response Syntax XXV](#_Toc427753140)

[3.10 List Buddy XXVI](#_Toc427753141)

[3.10.1 XML Request Syntax XXVI](#_Toc427753142)

[3.10.2 XML Response Syntax XXVII](#_Toc427753143)

[3.11 Registration XXVII](#_Toc427753144)

[3.11.1 XML Request Syntax XXVII](#_Toc427753145)

[3.11.2 XML Response Syntax XXVIII](#_Toc427753146)

[3.12 De-Registration XXIX](#_Toc427753147)

[3.12.1 XML Request Syntax XXIX](#_Toc427753148)

[3.12.2 XML Response Syntax XXIX](#_Toc427753149)

[3.13 Suspend XXX](#_Toc427753150)

[3.13.1 XML Request Syntax XXX](#_Toc427753151)

[3.13.2 XML Response Syntax XXXI](#_Toc427753152)

[3.14 Resume XXXI](#_Toc427753153)

[3.14.1 XML Request Syntax XXXI](#_Toc427753154)

[3.14.2 XML Response Syntax XXXII](#_Toc427753155)

[3.15 Self Bar XXXIII](#_Toc427753156)

[3.15.1 XML Request Syntax XXXIII](#_Toc427753157)

[3.15.2 XML Response Syntax XXXIV](#_Toc427753158)

[RP2P Services XXXV](#_Toc427753159)

[3.16 Customer Recharge XXXV](#_Toc427753160)

[3.16.1 XML Request Syntax XXXV](#_Toc427753161)

[3.16.2 XML Response Syntax XXXVI](#_Toc427753162)

[3.17 Set PIN XXXVII](#_Toc427753163)

[3.17.1 XML Request Syntax XXXVII](#_Toc427753164)

[3.17.2 XML Response Syntax XXXVIII](#_Toc427753165)

[3.18 Set Notification Language XXXIX](#_Toc427753166)

[3.18.1 XML Request Syntax XXXIX](#_Toc427753167)

[3.18.2 XML Response Syntax XL](#_Toc427753168)

[3.19 Transfer, Return and Withdraw XLI](#_Toc427753169)

[3.19.1 XML Request Syntax XLI](#_Toc427753170)

[3.19.2 XML Response Syntax XLII](#_Toc427753171)

[3.20 Balance Enquiry XLIII](#_Toc427753172)

[3.20.1 XML Request Syntax XLIII](#_Toc427753173)

[3.20.2 XML Response Syntax XLIV](#_Toc427753174)

[3.21 Daily Status Report XLIV](#_Toc427753175)

[3.21.1 XML Request Syntax XLIV](#_Toc427753176)

[3.21.2 XML Response Syntax XLV](#_Toc427753177)

[3.22 Last Transfer Status XLVI](#_Toc427753178)

[3.22.1 XML Request Syntax XLVI](#_Toc427753179)

[3.22.2 XML Response Syntax XLVII](#_Toc427753180)

[3.23 Electronic Voucher Distribution (EVD) XLVII](#_Toc427753181)

[3.23.1 XML Request Syntax XLVII](#_Toc427753182)

[3.23.2 XML Response Syntax XLIX](#_Toc427753183)

[3.24 Multiple Electronic Voucher Distribution (M-EVD) XLIX](#_Toc427753184)

[3.24.1 XML Request Syntax L](#_Toc427753185)

[3.24.2 XML Response Syntax LI](#_Toc427753186)

[3.25 Electronic Voucher Recharge (EVR) LII](#_Toc427753187)

[3.25.1 XML Request Syntax LII](#_Toc427753188)

[3.25.2 XML Response Syntax LIII](#_Toc427753189)

[3.26 Postpaid Bill Payment (PPB) LIV](#_Toc427753190)

[3.26.1 XML Request Syntax LIV](#_Toc427753191)

[3.26.2 XML Response Syntax LVI](#_Toc427753192)

[3.27 Utility Bill Payment LVII](#_Toc427753193)

[3.27.1 XML Request Syntax LVII](#_Toc427753194)

[3.27.2 XML Response Syntax LVIII](#_Toc427753195)

[3.28 C2S Transfer (Gift Recharge) LIX](#_Toc427753196)

[3.28.1 XML Request Syntax LIX](#_Toc427753197)

[3.28.2 XML Response Syntax LXI](#_Toc427753198)

[3.29 Customer Recharge (Fix Line) LXII](#_Toc427753199)

[3.29.1 XML Request Syntax LXII](#_Toc427753200)

[3.29.2 XML Response Syntax LXIII](#_Toc427753201)

[3.30 Customer Recharge (Internet) LXIV](#_Toc427753202)

[3.30.1 XML Request Syntax LXIV](#_Toc427753203)

[3.30.2 XML Response Syntax LXVI](#_Toc427753204)

[3.31 International Roam Recharge LXVI](#_Toc427753205)

[3.31.1 XML Request Syntax LXVI](#_Toc427753206)

[3.31.2 XML Response Syntax LXVII](#_Toc427753207)

[3.32 International Airtime Transfer LXVIII](#_Toc427753208)

[3.32.1 XML Request Syntax LXVIII](#_Toc427753209)

[3.32.2 XML Response Syntax LXX](#_Toc427753210)

[3.33 User Creation Using USSD Interface LXX](#_Toc427753211)

[3.33.1 Request XML Syntax LXX](#_Toc427753212)

[3.33.2 XML Response Syntax LXXII](#_Toc427753213)

[3.34 User Deletion Using USSD Interface LXXIII](#_Toc427753214)

[3.34.1 XML Request Syntax LXXIII](#_Toc427753215)

[3.34.2 XML Response Syntax LXXV](#_Toc427753216)

[3.35 CRBT Registration LXXV](#_Toc427753217)

[3.35.1 XML Request Syntax LXXV](#_Toc427753218)

[3.35.2 XML Response Syntax LXXVII](#_Toc427753219)

[3.36 CRBT Song Selection LXXVIII](#_Toc427753220)

[3.36.1 XML Request Syntax LXXVIII](#_Toc427753221)

[3.36.2 XML Response Syntax LXXIX](#_Toc427753222)

[3.37 Private Recharge LXXX](#_Toc427753223)

[3.37.1 Private recharge registration/Modification LXXX](#_Toc427753224)

[3.37.2 XML Request Syntax LXXX](#_Toc427753225)

[3.37.3 XML Response Syntax LXXXI](#_Toc427753226)

[3.37.4 Private recharge De-activation LXXXII](#_Toc427753227)

[3.37.5 XML Request Syntax LXXXII](#_Toc427753228)

[3.37.6 XML Response Syntax LXXXIII](#_Toc427753229)

[3.37.7 Subscriber identification number (SID) enquiry LXXXIII](#_Toc427753230)

[3.37.8 XML Request Syntax LXXXIII](#_Toc427753231)

[3.37.9 XML Response Syntax LXXXIV](#_Toc427753232)

[3.38 C2S Last X transfer report LXXXIV](#_Toc427753233)

[3.38.1 XML Request Syntax LXXXV](#_Toc427753234)

[3.38.2 XML Response Syntax LXXXVI](#_Toc427753235)

[3.39 C2C, O2C Last X transfer report LXXXVI](#_Toc427753236)

[3.39.1 XML Request Syntax LXXXVII](#_Toc427753237)

[3.39.2 XML Response Syntax LXXXVIII](#_Toc427753238)

[3.40 LMS Point Enquiry LXXXVIII](#_Toc427753239)

[3.41 LMS Point Redemption LXXXVIII](#_Toc427753240)

[3.42 Self TPIN Reset ............................................................................................................LXXXIX](#_3.42__)

[**3.43 Card Group Enquiry..........................................................................................LXXXX**](#_3.43_Retrieve_all)

[**3.44 Lite Customer Recharge..................................................................................LXXXXI**](#_3.44_Lite_Customer)

[**3.45 Give me Balance..............................................................................................LXXXXII**](#_3.45_GIVE_ME)

[**3.46 Give me Balance Bar......................................................................................LXXXXIII**](#_3.46_GIVE_ME)

[**3.47 SOS Request.....................................................................................................LXXXXIV**](#_3.46_SOS_Request)

[3.48 SOS Manual Settlement Request LXXXXV](#_3.48__SOS)

[**3.49 Data CP2P ……..….........................................................................................LXXXIX**](#_3.49__Data)

Document Overview

## Scope

1. The objective of this document is to describe the interface between PreTUPS and External Interface. This document covers CP2P and RP2P Services.

## Abbreviations and Conventions

|  |  |
| --- | --- |
| Abbreviations | Description |
| O | Optional |
| M | Mandatory |
| PreTUPS | Pre Paid TopUp System |
|  |  |
|  |  |

## References

1. Not applicable

# Architecture and Communication Protocol

## Architecture

**Database**

PreTUPS System

**External**

**System**

**PreTUPS**

**Application**

**XML Over HTTP**

* **External System**: The system, which sends the CP2P or RP2P Transaction request to PreTUPS System.
* **PreTUPS System**: The PreTUPS System includes PreTUPS Application and PreTUPS Database. The Interaction between PreTUPS Application and Database is internal.

## Communication

1. The communication between External System and PreTUPS is XML over HTTP. The External System makes the HTTP connection with PreTUPS and sends the request content as XML. Response of each request is also sent as XML.

## Authentication

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

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

## Connection procedure

1. 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: text/xml

Connection: close

URL

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

**Note:** URL will be common for all services; only XML content will be changed

Example

1. http://Pretupshost/PretupsReceiever?LOGIN=123&Password=123&Request\_Gateway\_Code=VM&Request\_Gateway\_Type=USSD&Service\_Port=190&Source\_Type=Browserice\_Port=<ServicePort>&Source\_Type=<SourceType>

| Fields | Description | Example | Optional/  Mandatory | Max Length | Remarks |
| --- | --- | --- | --- | --- | --- |
| PreTUPSHost | The IP, port and host name. The IP and Port on which PreTUPS application is running | 172.16.1.109:5555/pretups/ | M | N.A | N.A |
| LOGIN | Login Id | Test | M | 10 | This must be registered into Pretups System |
| PASSWORD | Password | Test | M | 10 | This must be registered into Pretups System |
| REQUEST\_GATEWAY\_CODE | Request Gateway Code. This field is used by Pretups system to identify request interface. | USSD001 | M | 10 | This must be defined in the Pretups System |
| REQUEST\_GATEWAY\_TYPE | Request Gateway Type. This field is used by Pretups system to identify request interface. | USSD | M | 10 | This must be defined in the Pretups System |
| SERVICE\_PORT | Service port | 126 | M | 10 | This must be defined in the Pretups System |
| SOURCE\_TYPE | Source Type | BROWSER | M | 10 | This field can have value either **BROWSER** or **SHORTCODE**.depending on USSD browse or USSD short code request. This will be stored in PreTUPS for information purpose. |

* The URL will remain same for all CP2P & RP2P Transactions.XML Content will be differed for the Request

# CP2P Services

## Account Information and Credit Transfer

1. Credit Transfer in PreTUPS can be happened between two subscribers. Credit transfer will be in two-step process in case of External system Browser. (In case of Short code Account information is not applicable)

### XML Request Syntax

1. The External system Browser will send the Account information request to PreTUPS. The request format and details of request are mentioned below.
2. **Request Syntax**
3. <?xml version="1.0"?>
4. <!DOCTYPE COMMAND PUBLIC"-//Ocam//DTD XML Command 1.0//EN" "xml/command.dtd">
5. <COMMAND>
6. <TYPE>CACINFREQ</TYPE>
7. <MSISDN1><Payer MSISDN></MSISDN1>
8. <SELECTOR><Selector></SELECTOR>
9. </COMMAND>
10. **Fields Detail**

| TAG | Fields | Example | Max Length | Optional/  Mandatory | Remarks |
| --- | --- | --- | --- | --- | --- |
| TYPE | CACINFREQ | CACINFREQ | 10 | M | Request Type |
| MSISDN1 | <Payer MSISDN> | 9942222 | 15 | M | All MSISDN should be without country code. |
| SELECTOR | <Selector> | 1 | 10 | M | Selector should be numeric  1 – CVG  2- C  3- VG |

* All tags are mandatory to be present in XML. If value is optional and tag must be present.
* The value for TYPE tag is fixed as mentioned in syntax.

### XML Response Syntax

1. PreTUPS send the acknowledgement to the External system about the transaction status. The acknowledgement will be in XML and send as response of the request. The XML response details are mentioned below.
2. **Response Syntax**
3. <? Xml version="1.0"?>
4. <! DOCTYPE COMMAND PUBLIC "-//Ocam//DTD XML Command 1.0//EN" "xml/command.dtd">
5. <COMMAND>
6. <TYPE>CACINFRESP</TYPE>
7. <REGSTATUS><Registration Status></REGSTATUS>
8. <PINSTATUS><Payer Pin Status></PINSTATUS>
9. <TXNSTATUS><Transaction Status></TXNSTATUS>
10. <MINREMBAL><Minimum Remaining Balance></MINREMBAL>
11. <MINAMT><Minimum Amount></MINAMT>
12. <MAXAMT><Maximum Amount></MAXAMT>
13. <MAXPCTBAL><Maximum Percentage of balance></MAXPCTBAL>
14. </COMMAND>

| TAG | Fields | Example | Max Length | Optional/  Mandatory | Remarks |
| --- | --- | --- | --- | --- | --- |
| TYPE | CACINFRESP | CACINFRESP | 10 | M | Response Type |
| REGSTATUS | <Registration Status> | Y or N | 1 | O | This field will be Y for registered subscriber, N for the non registered subscriber |
| PINSTATUS | <Payer PIN Status> | Y | 1 | O | Following values would be available:  N\_- User has default PIN  Y - User has changed PIN  Blank – User is not registered |
| MINREMBAL | <Minimum Remaining Balance> | 4500 | 10 | O | Minimum remaining allowed after the transaction (residual balance), for message display, in your currency |
| MINAMT | <Minimum Amount> | 10 | 10 | O | Minimum transaction amount for message display in your currency |
| MAXAMT | <Maximum Amount> | 10000 | 10 | O | Maximum transaction amount for message display, in your currency |
| MAXPCTBAL | <Maximum Percentage of Balance> | 50 | 3 | O | Maximum percentage of balance, 50 means 50 % |

* The Transaction status details explained in appendix.
* The value for TYPE tag is fixed as mentioned in syntax.

## Credit Transfer

### XML Request Syntax

1. The External system will send the credit transfer request to PreTUPS. The request format and details of request are mentioned below.
2. **Request Syntax**
3. <?xml version="1.0"?>
4. <! DOCTYPE COMMAND PUBLIC "-//Ocam//DTD XML Command 1.0//EN" "xml/command.dtd">
5. <COMMAND>
6. <TYPE>CCTRFREQ</TYPE>
7. <MSISDN1><Payer MSISDN></MSISDN1>
8. <PIN><Payer PIN></PIN>
9. <MSISDN2><Payee MSISDN></MSISDN2>
10. <AMOUNT><Amount></AMOUNT>
11. <LANGUAGE1><Payer Language></LANGUAGE1>
12. <LANGUAGE2><Payee Language></LANGUAGE2>
13. <SELECTOR><Selector></SELECTOR>
14. </COMMAND>
15. **Fields Detail**

| TAG | Fields | Example | Max Length | Optional/  Mandatory | Remarks |
| --- | --- | --- | --- | --- | --- |
| TYPE | CCTRFREQ | CCTRFREQ | 10 | M | Request Type |
| MSISDN1 | Payer MSISDN | 9942222 | 15 | M | Payer MSISDN should be without country code ( National dial format ) |
| PIN | Payer PIN | 3946 | 4 to 6 | O (Tag is mandatory) | Numeric Only. default “1357” will be considered if user not changed his PIN after Registering in PreTUPS |
| MSISDN2 | Payee MSISDN | 9942223 | 15 | M | Numeric and without country code. |
| AMOUNT | Amount | 100 | 10 | M | Numeric Only. |
| LANGUAGE1 | Payer Language | 0 | 1 | O (Tag is mandatory) | Numeric only Payer Language Code  This code must be defined in PreTUPS system,  Note: If different from default language, user default language will be updated with this language. |
| LANGUAGE2 | Payee Language | 1 | 1 | M | Numeric only Payee Language Code  This code must be defined in PreTUPS system |
| SELECTOR | Selector | 1 | 10 | O (Tag is mandatory) | Selector should be numeric  1 – CVG  2- C  3- VG |

* All tags are mandatory to be present in XML. If value is optional and tag must be present.
* The value for TYPE tag is fixed as mentioned in syntax.

### XML Response Syntax

1. PreTUPS send the acknowledgement to the External system about the transaction status. The acknowledgement will be in XML and send as response of the request. The XML response details are mentioned below.
2. **Response Syntax**
3. <? xml version="1.0"?>
4. <! DOCTYPE COMMAND PUBLIC "-//Ocam//DTD XML Command 1.0//EN" "xml/command.dtd">
5. <COMMAND>
6. <TYPE>CCTRFRESP</TYPE>
7. <TXNID><Transaction ID></TXNID>
8. <TXNSTATUS><Transaction Status></TXNSTATUS>
9. </COMMAND>

| TAG | Fields | Example | Max Length | Optional/Mandatory | Remarks |
| --- | --- | --- | --- | --- | --- |
| TYPE | CCTRFRESP | CCTRFRESP | 10 | M | Response Type |
| TXNID | Transaction ID | C070203.23.11.0001 | 20 | M | Pretups Transaction ID for the Credit Transfer Transaction. Used for informative purpose. External system can log this Transaction ID in logs against subscriber request for future reference. |
| TXNSTATUS | Transaction Status | 200 | 5 | M | Various transaction status Failed, Under process etc |

* The Transaction status details explained in appendix.
* The value for TYPE tag is fixed as mentioned in syntax.

## Set PIN

1. External system can send the change PIN request to PreTUPS Once user is registered in PreTUPS.

### XML Request Syntax

1. The External system will send the following request for Pin Request. The request format and details of request are mentioned below.
2. **Request Syntax**
3. <? xml version="1.0"?>
4. <! DOCTYPE COMMAND PUBLIC "-//Ocam//DTD XML Command 1.0//EN" "xml/command.dtd">
5. <COMMAND>
6. <TYPE>CCPNREQ</TYPE>
7. <MSISDN1><Payer MSISDN></MSISDN1>
8. <PIN><Payer Old PIN></PIN>
9. <NEWPIN>< Payer New PIN></NEWPIN>
10. <CONFIRMPIN>< Payer Confirm PIN></CONFIRMPIN >
11. <LANGUAGE1><Payer Language></LANGUAGE1>
12. </COMMAND>

| TAG | Fields | Example | Max Length | Optional/Mandatory | Remarks |
| --- | --- | --- | --- | --- | --- |
| Type | CCPNREQ | CCPNREQ | 10 | M | Request type |
| MSISDN1 | <Payer MSISDN> | 9942222 | 15 | M | All MSISDN should be without country code.  (National dial format.) |
| PIN | <Payer Old PIN> | 3946 | 4 to 6 | O | Numeric Only.  default “0000” will be considered if not specified |
| NEWPIN | <Payer New PIN> | 3946 | 4 to 6 | M | Numeric Only |
| CONFIRMPIN | <Payer Confirm PIN> | 3946 | 4 to 6 | M | Numeric Only |
| LANGUAGE1 | <Payer Language> | 1 | 1 | O (Tag is mandatory) | Numeric only Payer Language Code  This code must be defined in PreTUPS system. Note: If different from default language, payer default language will be updated with this language.  Also if Payer is not already registered, he will get registered with this as default language. |

* All tags are mandatory to be present in XML. If value is optional and tag must be present.
* Old PIN should not be equal to New PIN.

### XML Response Syntax

1. PreTUPS send the acknowledgement to the External system about the transaction status. The acknowledgement will be in XML and send as response of the request. The XML response details are mentioned below
2. **Response Syntax**
3. <? Xml version="1.0"?>
4. <! DOCTYPE COMMAND PUBLIC "-//Ocam//DTD XML Command 1.0//EN" "xml/command.dtd">
5. <COMMAND>
6. <TYPE>CCPNRESP</TYPE>
7. <TXNSTATUS><Transaction Status></TXNSTATUS >
8. </COMMAND>

| TAG | Fields | Example | Max Length | Optional/Mandatory | Remarks |
| --- | --- | --- | --- | --- | --- |
| TYPE | CCPNRESP | CCPNRESP | 10 | M | Response Type |
| TXNSTATUS | Transaction Status | 200 | 5 | M | Transaction Status i.e.  Transaction OK (200), Failed and other status |

* The Transaction status details explained in appendix.
* The value for TYPE tag is fixed as mentioned in syntax.

## Set Notification Language

External system can send the request of changing the notification language.

### XML Request Syntax

1. The External system will send the following request for Notification language. The request format and details of request are mentioned below.
2. **Request Syntax**
3. <?xml version="1.0"?>
4. <!DOCTYPE COMMAND PUBLIC "-//Ocam//DTD XML Command 1.0//EN" "xml/command.dtd">
5. <COMMAND>
6. <TYPE>CCLANGREQ</TYPE>
7. <MSISDN1><Payer MSISDN></MSISDN1>
8. <PIN><Payer PIN></PIN>
9. <LANGUAGE1><Payer Language></LANGUAGE1>
10. </COMMAND>

| TAG | Fields | Example | Max Length | Optional/Mandatory | Remarks |
| --- | --- | --- | --- | --- | --- |
| TYPE | CCLANGREQ | CCLANGREQ | 10 | M | Request type |
| MSISDN1 | Payer MSISDN | 9942222 | 15 | M | All MSISDN should be without country code.  (National dial format.) |
| PIN | Payer PIN | 3946 | 4 to 6 | O | Numeric Only. Default “0000” will be considered if not specified |
| LANGUAGE1 | Payer Language | 1 | 1 | O (Tag is mandatory) | Numeric Only |

* All tags are mandatory to be present in XML. If value is optional and tag must be present.
* The value for TYPE tag is fixed as mentioned in syntax.

### XML Response Syntax

1. PreTUPS send the acknowledgement to the External system about the transaction status. The acknowledgement will be in XML and send as response of the request. The XML response details are mentioned below.
2. **Response Syntax**
3. <?xml version="1.0"?>
4. <!DOCTYPE COMMAND PUBLIC "-//Ocam//DTD XML Command 1.0//EN" "xml/command.dtd">
5. <COMMAND>
6. <TYPE>CCLANGRESP</TYPE>
7. <TXNSTATUS><Transaction Status></TXNSTATUS>
8. </COMMAND>

| TAG | Fields | Example | Max Length | Optional/Mandatory | Remarks |
| --- | --- | --- | --- | --- | --- |
| TYPE | CCLANGRESP | CCLANGRESP | 10 | M | Response Type |
| TXNSTATUS | Transaction Status | 200 | 5 | M | Transaction Status i.e.  Transaction OK (200), Failed and other status |

* The Transaction status details explained in appendix.
* The value for TYPE tag is fixed as mentioned in syntax.

## History

External system will send Set History request to PreTUPS for a subscriber.

### XML Request Syntax

1. The External system will send the history request to PreTUPS. The request format and the details of request are mentioned below.
2. **Request Syntax**
3. <? xml version="1.0"?>
4. <!DOCTYPE COMMAND PUBLIC "-//Ocam//DTD XML Command 1.0//EN" "xml/command.dtd">
5. <COMMAND>
6. <TYPE>CCHISREQ</TYPE>
7. <MSISDN1><Payer MSISDN></MSISDN1>
8. <PIN><Payer PIN></PIN>
9. <LANGUAGE1><Payer Language></LANGUAGE1>
10. </COMMAND>
11. **Fields Detail**

| TAG | Fields | Example | Max Length | Optional/Mandatory | Remarks |
| --- | --- | --- | --- | --- | --- |
| TYPE | CCHISREQ | CCHISREQ | 10 | M | Request type |
| MSISDN1 | Payer MSISDN | 9942222 | 15 | M | All MSISDN should be without country code.  (National dial format.) |
| PIN | Payer PIN | 3946 | 4 to 6 | O | Numeric Only. default “0000” will be considered if not specified |
| LANGUAGE1 | Payer Language | 1 | 1 | O (Tag is mandatory) | Numeric Only |

* All tags are mandatory to be present in XML. If value is optional and tag must be present.
* The value for TYPE tag is fixed as mentioned in syntax.

### XML Response Syntax

1. PreTUPS send the acknowledgement to the External system about the transaction status. The acknowledgement will be in XML and send as response of the request. The XML response details are mentioned below.
2. **Response Syntax**
3. <? xml version="1.0"?>
4. <! DOCTYPE COMMAND PUBLIC "-//Ocam//DTD XML Command 1.0//EN" "xml/command.dtd">
5. <COMMAND>
6. <TYPE>CCHISRESP</TYPE>
7. <TXNSTATUS><Transaction Status></TXNSTATUS>
8. </COMMAND>
9. **Fields Detail**

| TAG | Fields | Example | Max Length | Optional/Mandatory | Remarks |
| --- | --- | --- | --- | --- | --- |
| TYPE | CCHISRESP | CCHISRESP | 10 | M | Response Type |
| TXNSTATUS | Transaction Status | 200 | 5 | M | Transaction Status i.e.  Transaction OK (200), failed other status |

* The Transaction status details explained in appendix.
* The value for TYPE tag is fixed as mentioned in syntax.

## Credit Recharge

1. External system will send Credit recharge request to PreTUPS for a subscriber.

### XML Request Syntax

1. The External system will send the credit recharge request to PreTUPS. The request format and details of request are mentioned below.
2. **Request Syntax**
3. <?xml version="1.0"?>
4. <!DOCTYPE COMMAND PUBLIC "-//Ocam//DTD XML Command 1.0//EN" "xml/command.dtd">
5. <COMMAND>
6. <TYPE>CCRCREQ</TYPE>
7. <MSISDN1><Payer MSISDN></MSISDN1>
8. <PIN><Payer PIN></PIN>
9. <MSISDN2><Payee MSISDN></MSISDN2>
10. <AMOUNT><Amount></AMOUNT>
11. <LANGUAGE1><Payer Language></LANGUAGE1>
12. <LANGUAGE2><Payee Language></LANGUAGE2>
13. <SELECTOR><Selector></SELECTOR>
14. </COMMAND>
15. **Fields Detail**

| TAG | Fields | Example | Max Length | Optional / Mandatory | Remarks |
| --- | --- | --- | --- | --- | --- |
| TYPE | CCRCREQ | CCRCREQ | 10 | M | Request Type |
| MSISDN1 | Payer MSISDN | 9942222 | 15 | M | Payer MSISDN should be without country code ( National dial format ) |
| PIN | Payer PIN | 3946 | 4 to 6 | O (Tag is mandatory) | Numeric Only. default “1357” will be considered if user not changed his PIN after Registering in PreTUPS |
| MSISDN2 | Payee MSISDN | 9942223 | 15 | M | Numeric and without country code. |
| AMOUNT | Amount | 100 | 10 | M | Numeric Only. |
| LANGUAGE1 | Payer Language | 0 | 1 | O (Tag is mandatory) | Numeric only Payer Language Code  This code must be defined in PreTUPS system,  Note: If different from default language, user default language will be updated with this language. |
| LANGUAGE2 | Payee Language | 1 | 1 | M | Numeric only Payee Language Code  This code must be defined in PreTUPS system |
| SELECTOR | Selector | 1 | 10 | O (Tag is mandatory) | Selector should be numeric  1 – CVG  2- C  3- VG |

* All tags are mandatory to be present in XML. If value is optional and tag must be present.
* The value for TYPE tag is fixed as mentioned in syntax.

### XML Response Syntax

1. PreTUPS send the acknowledgement to the External system about the transaction status. The acknowledgement will be in XML and send as response of the request. The XML response details are mentioned below.
2. **Response Syntax**
3. <?xml version="1.0"?>
4. <!DOCTYPE COMMAND PUBLIC "-//Ocam//DTD XML Command 1.0//EN" "xml/command.dtd">
5. <COMMAND>
6. <TYPE> CCRCRESP </TYPE>
7. <TXNID><Transaction ID></TXNID>
8. <TXNSTATUS><Transaction Status></TXNSTATUS>
9. </COMMAND>

| TAG | Fields | Example | Max Length | Optional/Mandatory | Remarks |
| --- | --- | --- | --- | --- | --- |
| TYPE | CCRCRESP | CCRCRESP | 10 | M | Response Type |
| TXNID | Transaction ID | C070203.23.11.0001 | 20 | M | Pretups Transaction ID for the Credit Transfer Transaction. Used for informative purpose. External system can log this Transaction ID in logs against subscriber request for future reference. |
| TXNSTATUS | Transaction Status | 200 | 5 | M | Various transaction status Failed, Under process etc |

* The Transaction status details explained in appendix.
* The value for TYPE tag is fixed as mentioned in syntax.

## Last Transfer Status

External system will send last transfer status request to PreTUPS for a subscriber.

### XML Request Syntax

1. The External system will send the last transfer status request to PreTUPS. The request format and the details of request are mentioned below.
2. **Request Syntax**
3. <?xml version="1.0"?>
4. <!DOCTYPE COMMAND PUBLIC "-//Ocam//DTD XML Command 1.0//EN" "xml/command.dtd">
5. <COMMAND>
6. <TYPE>PLTREQ</TYPE>
7. <MSISDN1><Sender MSISDN></MSISDN1>
8. <PIN>< Sender PIN></PIN>
9. </COMMAND>
10. **Fields Detail**

| TAG | Fields | Example | Max Length | Optional/Mandatory | Remarks |
| --- | --- | --- | --- | --- | --- |
| TYPE | PLTREQ | PLTREQ | 10 | M | Request type |
| MSISDN1 | Sender MSISDN | 9942222 | 15 | M | All MSISDN should be without country code.  (National dial format.) |
| PIN | Sender PIN | 3946 | 4 to 6 | M | Numeric Only. |

* All tags are mandatory to be present in XML. If value is optional and tag must be present.
* The value for TYPE tag is fixed as mentioned in syntax.

### XML Response Syntax

1. PreTUPS send the acknowledgement to the External system about the transaction status. The acknowledgement will be in XML and send as response of the request. The XML response details are mentioned below.
2. **Response Syntax**
3. <?xml version="1.0"?>
4. <!DOCTYPE COMMAND PUBLIC "-//Ocam//DTD XML Command 1.0//EN" "xml/command.dtd">
5. <COMMAND>
6. <TYPE>PLTRESP</TYPE>
7. <TXNSTATUS><Transaction Status></TXNSTATUS>
8. </COMMAND>

| TAG | Fields | Example | Max Length | Optional/Mandatory | Remarks |
| --- | --- | --- | --- | --- | --- |
| TYPE | PLTRESP | LSTBUDDYRESP | 10 | M | Response Type |
| TXNSTATUS | Transaction Status | 200 | 5 | M | Transaction Status i.e.  Transaction OK (200), failed other status |

* The Transaction status details explained in appendix.
* The value for TYPE tag is fixed as mentioned in syntax.

## Add Buddy

External system will send Add buddy request to PreTUPS for a subscriber.

### XML Request Syntax

1. The External system will send the Add buddy request to PreTUPS. The request format and the details of request are mentioned below.
2. **Request Syntax**
3. <?xml version="1.0"?>
4. <!DOCTYPE COMMAND PUBLIC "-//Ocam//DTD XML Command 1.0//EN" "xml/command.dtd">
5. <COMMAND>
6. <TYPE>ADDBUDDYREQ</TYPE>
7. <MSISDN1><Sender MSISDN></MSISDN1>
8. <BUDDYNAME><Buddy Name></ BUDDYNAME >
9. <MSISDN2><Buddy MSISDN></MSISDN2>
10. <PRFAMT><Preferred Amount></ PRFAMT>
11. <PIN>< Sender PIN></PIN>
12. </COMMAND>
13. **Fields Detail**

| TAG | Fields | Example | Max Length | Optional/Mandatory | Remarks |
| --- | --- | --- | --- | --- | --- |
| TYPE | ADDBUDDYREQ | ADDBUDDYREQ | 10 | M | Request type |
| MSISDN1 | Sender MSISDN | 9942222 | 15 | M | All MSISDN should be without country code.  (National dial format.) |
| BUDDYNAME | Buddy Name | AVI | 15 | M | Name of Buddy. (Aphanumeric) |
| MSISDN2 | Buddy MSISDN | 9823423 | 15 | M | All MSISDN should be without country code.  (National dial format.) |
| PRFAMT | Preferred amount | 100 | 10 | M | Amount to be transferred. |
| PIN | Sender PIN | 3946 | 4 to 6 | M | Numeric Only. |

* All tags are mandatory to be present in XML. If value is optional and tag must be present.
* The value for TYPE tag is fixed as mentioned in syntax.

### XML Response Syntax

1. PreTUPS send the acknowledgement to the External system about the transaction status. The acknowledgement will be in XML and send as response of the request. The XML response details are mentioned below.
2. **Response Syntax**
3. <?xml version="1.0"?>
4. <!DOCTYPE COMMAND PUBLIC "-//Ocam//DTD XML Command 1.0//EN" "xml/command.dtd">
5. <COMMAND>
6. <TYPE>ADDBUDDYRESP</TYPE>
7. <TXNSTATUS><Transaction Status></TXNSTATUS>
8. </COMMAND>

| TAG | Fields | Example | Max Length | Optional/Mandatory | Remarks |
| --- | --- | --- | --- | --- | --- |
| TYPE | ADDBUDDYRESP | ADDBUDDYRESP | 10 | M | Response Type |
| TXNSTATUS | Transaction Status | 200 | 5 | M | Transaction Status i.e.  Transaction OK (200), failed other status |

* The Transaction status details explained in appendix.
* The value for TYPE tag is fixed as mentioned in syntax.

## Delete Buddy

External system will send Delete buddy request to PreTUPS for a subscriber.

### XML Request Syntax

1. The External system will send the Delete buddy request to PreTUPS. The request format and the details of request are mentioned below.
2. **Request Syntax**
3. <?xml version="1.0"?>
4. <!DOCTYPE COMMAND PUBLIC "-//Ocam//DTD XML Command 1.0//EN" "xml/command.dtd">
5. <COMMAND>
6. <TYPE>DELBUDDYREQ</TYPE>
7. <MSISDN1><Sender MSISDN></MSISDN1>
8. <MSISDN\_NAME><Buddy MSISDN/ Name></ MSISDN\_NAME >
9. <PIN>< Sender PIN></PIN>
10. </COMMAND>
11. **Fields Detail**

| TAG | Fields | Example | Max Length | Optional/Mandatory | Remarks |
| --- | --- | --- | --- | --- | --- |
| TYPE | DELBUDDYREQ | DELBUDDYREQ | 10 | M | Request type |
| MSISDN1 | Sender MSISDN | 9942222 | 15 | M | All MSISDN should be without country code.  (National dial format.) |
| MSISDN\_NAME | Buddy MSISDN or  Name | 9810912032 AVI | 15 | M | Buddy MSISDN and Name of Buddy.  Buddy name consist s only character. Case insensitive. |
| PIN | Sender PIN | 3946 | 4 to 6 | M | Numeric Only. |

* All tags are mandatory to be present in XML. If value is optional and tag must be present.
* The value for TYPE tag is fixed as mentioned in syntax

### XML Response Syntax

1. PreTUPS send the acknowledgement to the External system about the transaction status. The acknowledgement will be in XML and send as response of the request. The XML response details are mentioned below.
2. **Response Syntax**
3. <?xml version="1.0"?>
4. <!DOCTYPE COMMAND PUBLIC "-//Ocam//DTD XML Command 1.0//EN" "xml/command.dtd">
5. <COMMAND>
6. <TYPE> DELBUDDYRESP</TYPE>
7. <TXNSTATUS><Transaction Status></TXNSTATUS>
8. </COMMAND>
9. **Fields Detail**

| TAG | Fields | Example | Max Length | Optional/Mandatory | Remarks |
| --- | --- | --- | --- | --- | --- |
| TYPE | DELBUDDYRESP | DELBUDDYRESP | 10 | M | Response Type |
| TXNSTATUS | Transaction Status | 200 | 5 | M | Transaction Status i.e.  Transaction OK (200), failed other status |

* The Transaction status details explained in appendix.
* The value for TYPE tag is fixed as mentioned in syntax.

## List Buddy

External system will send List buddy request to PreTUPS for a subscriber.

### XML Request Syntax

1. The External system will send the List buddy request to PreTUPS. The request format and the details of request are mentioned below.
2. **Request Syntax**
3. <?xml version="1.0"?>
4. <!DOCTYPE COMMAND PUBLIC "-//Ocam//DTD XML Command 1.0//EN" "xml/command.dtd">
5. <COMMAND>
6. <TYPE>LSTBUDDYREQ</TYPE>
7. <MSISDN1>< Sender MSISDN></MSISDN1>
8. <PIN>< Sender PIN></PIN>
9. </COMMAND>
10. **Fields Detail**

| TAG | Fields | Example | Max Length | Optional/Mandatory | Remarks |
| --- | --- | --- | --- | --- | --- |
| TYPE | LSTBUDDYREQ | LSTBUDDYREQ | 10 | M | Request type |
| MSISDN1 | Sender MSISDN | 9942222 | 15 | M | All MSISDN should be without country code.  (National dial format.) |
| PIN | Sender PIN | 3946 | 4 to 6 | M | Numeric Only. |

* All tags are mandatory to be present in XML. If value is optional and tag must be present.
* The value for TYPE tag is fixed as mentioned in syntax.

### XML Response Syntax

1. PreTUPS send the acknowledgement to the External system about the transaction status. The acknowledgement will be in XML and send as response of the request. The XML response details are mentioned below.
2. **Response Syntax**
3. <?xml version="1.0"?>
4. <!DOCTYPE COMMAND PUBLIC "-//Ocam//DTD XML Command 1.0//EN" "xml/command.dtd">
5. <COMMAND>
6. <TYPE>LSTBUDDYRESP</TYPE>
7. <TXNSTATUS><Transaction Status></TXNSTATUS>
8. </COMMAND>

| TAG | Fields | Example | Max Length | Optional/Mandatory | Remarks |
| --- | --- | --- | --- | --- | --- |
| TYPE | LSTBUDDYRESP | LSTBUDDYRESP | 10 | M | Response Type |
| TXNSTATUS | Transaction Status | 200 | 5 | M | Transaction Status i.e.  Transaction OK (200), failed other status |

* The Transaction status details explained in appendix.
* The value for TYPE tag is fixed as mentioned in syntax.

## Registration

External system will send registration request to PreTUPS for a subscriber.

### XML Request Syntax

1. The External system will send the registration request to PreTUPS. The request format and the details of request are mentioned below.
2. **Request Syntax**
3. <?xml version="1.0"?>
4. <!DOCTYPE COMMAND PUBLIC "-//Ocam//DTD XML Command 1.0//EN" "xml/command.dtd">
5. <COMMAND>
6. <TYPE>REGREQ</TYPE>
7. <MSISDN1><Sender MSISDN></MSISDN1>
8. <SUB\_TYPE><Sender Type></SUB\_TYPE>
9. </COMMAND>

| TAG | Fields | Example | Max Length | Optional/Mandatory | Remarks |
| --- | --- | --- | --- | --- | --- |
| TYPE | REGREQ | REGREQ | 10 | M | Request type |
| MSISDN1 | Sender MSISDN | 9942222 | 15 | M | All MSISDN should be without country code.  (National dial format.) |
| SUB\_TYPE | Sender Type | PRE or POST | 10 | M | It specifies the type of subscriber by which he/she going to register. The possible value is PRE/POST. |

* All tags are mandatory to be present in XML. If value is optional and tag must be present.
* The value for TYPE tag is fixed as mentioned in syntax.

### XML Response Syntax

1. PreTUPS send the acknowledgement to the External system about the transaction status. The acknowledgement will be in XML and send as response of the request. The XML response details are mentioned below.
2. **Response Syntax**
3. <?xml version="1.0"?>
4. <!DOCTYPE COMMAND PUBLIC "-//Ocam//DTD XML Command 1.0//EN" "xml/command.dtd">
5. <COMMAND>
6. <TYPE>REGRESP</TYPE>
7. <TXNSTATUS><Transaction Status></TXNSTATUS>
8. </COMMAND>
9. **Fields Detail**

| TAG | Fields | Example | Max Length | Optional/Mandatory | Remarks |
| --- | --- | --- | --- | --- | --- |
| TYPE | REGRESP | REGRESP | 10 | M | Response Type |
| TXNSTATUS | Transaction Status | 200 | 5 | M | Transaction Status i.e.  Transaction OK (200), failed other status |

* The Transaction status details explained in appendix.
* The value for TYPE tag is fixed as mentioned in syntax.

## De-Registration

External system will send de-registration request to PreTUPS for a subscriber.

### XML Request Syntax

1. The External system will send the de-registration request to PreTUPS. The request format and the details of request are mentioned below.
2. **Request Syntax**
3. <?xml version="1.0"?>
4. <!DOCTYPE COMMAND PUBLIC "-//Ocam//DTD XML Command 1.0//EN" "xml/command.dtd">
5. <COMMAND>
6. <TYPE>DREGREQ</TYPE>
7. <MSISDN1><Sender MSISDN></MSISDN1>
8. <PIN>< Sender PIN></PIN>
9. </COMMAND>
10. **Fields Detail**

| TAG | Fields | Example | Max Length | Optional/Mandatory | Remarks |
| --- | --- | --- | --- | --- | --- |
| TYPE | DREGREQ | DREGREQ | 10 | M | Request type |
| MSISDN1 | Sender MSISDN | 9942222 | 15 | M | All MSISDN should be without country code.  (National dial format.) |
| PIN | Sender PIN | 3946 | 4 to 6 | M | Numeric Only. |

* All tags are mandatory to be present in XML. If value is optional and tag must be present.
* The value for TYPE tag is fixed as mentioned in syntax.

### XML Response Syntax

1. PreTUPS send the acknowledgement to the External system about the transaction status. The acknowledgement will be in XML and send as response of the request. The XML response details are mentioned below.
2. **Response Syntax**
3. <?xml version="1.0"?>
4. <!DOCTYPE COMMAND PUBLIC "-//Ocam//DTD XML Command 1.0//EN" "xml/command.dtd">
5. <COMMAND>
6. <TYPE>DREGRESP</TYPE>
7. <TXNSTATUS><Transaction Status></TXNSTATUS>
8. </COMMAND>
9. **Fields Detail**

| TAG | Fields | Example | Max Length | Optional/Mandatory | Remarks |
| --- | --- | --- | --- | --- | --- |
| TYPE | DREGRESP | DREGRESP | 10 | M | Response Type |
| TXNSTATUS | Transaction Status | 200 | 5 | M | Transaction Status i.e.  Transaction OK (200), failed other status |

* The Transaction status details explained in appendix.
* The value for TYPE tag is fixed as mentioned in syntax.

## Suspend

External system will send suspend request to PreTUPS for a subscriber.

### XML Request Syntax

1. The External system will send the suspend request to PreTUPS. The request format and the details of request are mentioned below.
2. **Request Syntax**
3. <?xml version="1.0"?>
4. <!DOCTYPE COMMAND PUBLIC "-//Ocam//DTD XML Command 1.0//EN" "xml/command.dtd">
5. <COMMAND>
6. <TYPE>SUSREQ</TYPE>
7. <MSISDN1><Sender MSISDN></MSISDN1>
8. <PIN>< Sender PIN></PIN>
9. <CELLID></CELLID>
10. <SWITCHID></SWITCHID>
11. </COMMAND>

| TAG | Fields | Example | Max Length | Optional/Mandatory | Remarks |
| --- | --- | --- | --- | --- | --- |
| TYPE | SUSREQ | SUSREQ | 10 | M | Request type |
| MSISDN1 | Sender MSISDN | 9942222 | 15 | M | All MSISDN should be without country code.  (National dial format.) |
| PIN | Sender PIN | 3946 | 4 to 6 | M | Numeric Only. |
| SWITCHID | SWITCHID | 12 | 1 to 20(not fixed) | O(tag is mandatory) |  |
| CELLID | CELLID | 32 | 1 to 20(not fixed ) | O(tag is mandatory) |  |

* All tags are mandatory to be present in XML. If value is optional and tag must be present.
* The value for TYPE tag is fixed as mentioned in syntax.

### XML Response Syntax

1. PreTUPS send the acknowledgement to the External system about the transaction status. The acknowledgement will be in XML and send as response of the request. The XML response details are mentioned below.
2. **Response Syntax**
3. <?xml version="1.0"?>
4. <!DOCTYPE COMMAND PUBLIC "-//Ocam//DTD XML Command 1.0//EN" "xml/command.dtd">
5. <COMMAND>
6. <TYPE>SUSRESP</TYPE>
7. <TXNSTATUS><Transaction Status></TXNSTATUS>
8. </COMMAND>

| TAG | Fields | Example | Max Length | Optional/Mandatory | Remarks |
| --- | --- | --- | --- | --- | --- |
| TYPE | SUSRESP | SUSRESP | 10 | M | Response Type |
| TXNSTATUS | Transaction Status | 200 | 5 | M | Transaction Status i.e.  Transaction OK (200), failed other status |

* The Transaction status details explained in appendix.
* The value for TYPE tag is fixed as mentioned in syntax.

## Resume

External system will send resume request to PreTUPS for a subscriber.

### XML Request Syntax

1. The External system will send the resume request to PreTUPS. The request format and the details of request are mentioned below.
2. **Request Syntax**
3. <?xml version="1.0"?>
4. <!DOCTYPE COMMAND PUBLIC "-//Ocam//DTD XML Command 1.0//EN" "xml/command.dtd">
5. <COMMAND>
6. <TYPE>RESREQ</TYPE>
7. <MSISDN1><Sender MSISDN></MSISDN1>
8. <PIN>< Sender PIN></PIN>
9. <CELLID></CELLID>
10. <SWITCHID></SWITCHID>
11. </COMMAND>
12. **Fields Detail**

| TAG | Fields | Example | Max Length | Optional/Mandatory | Remarks |
| --- | --- | --- | --- | --- | --- |
| TYPE | RESREQ | RESREQ | 10 | M | Request type |
| MSISDN1 | Sender MSISDN | 9942222 | 15 | M | All MSISDN should be without country code.  (National dial format.) |
| PIN | Sender PIN | 3946 | 4 to 6 | M | Numeric Only |
| SWITCHID | SWITCHID | 12 | 1 to 20(not fixed) | O(tag is mandatory) |  |
| CELLID | CELLID | 32 | 1 to 20(not fixed ) | O(tag is mandatory) |  |

* All tags are mandatory to be present in XML. If value is optional and tag must be present.
* The value for TYPE tag is fixed as mentioned in syntax.

### XML Response Syntax

1. PreTUPS send the acknowledgement to the External system about the transaction status. The acknowledgement will be in XML and send as response of the request. The XML response details are mentioned below.
2. **Response Syntax**
3. <?xml version="1.0"?>
4. <!DOCTYPE COMMAND PUBLIC "-//Ocam//DTD XML Command 1.0//EN" "xml/command.dtd">
5. <COMMAND>
6. <TYPE>RESRESP</TYPE>
7. <TXNSTATUS><Transaction Status></TXNSTATUS>
8. </COMMAND>
9. **Fields Detail**

| TAG | Fields | Example | Max Length | Optional/Mandatory | Remarks |
| --- | --- | --- | --- | --- | --- |
| TYPE | RESRESP | RESRESP | 10 | M | Response Type |
| TXNSTATUS | Transaction Status | 200 | 5 | M | Transaction Status i.e.  Transaction OK (200), failed other status |

* The Transaction status details explained in appendix.
* The value for TYPE tag is fixed as mentioned in syntax.

## Self Bar

External system will send self bar request to PreTUPS for a subscriber.

### XML Request Syntax

1. The External system will send the self bar request to PreTUPS. The request format and the details of request are mentioned below.
2. **Request Syntax**
3. <?xml version="1.0"?>
4. <!DOCTYPE COMMAND PUBLIC "-//Ocam//DTD XML Command 1.0//EN" "xml/command.dtd">
5. <COMMAND>
6. <TYPE>BARREQ</TYPE>
7. <MSISDN1><Sender MSISDN></MSISDN1>
8. </COMMAND>
9. **Fields Detail**

| TAG | Fields | Example | Max Length | Optional/Mandatory | Remarks |
| --- | --- | --- | --- | --- | --- |
| TYPE | BARREQ | BARREQ | 10 | M | Request type |
| MSISDN1 | Sender MSISDN | 9942222 | 15 | M | All MSISDN should be without country code.  (National dial format.) |

* All tags are mandatory to be present in XML. If value is optional and tag must be present.
* The value for TYPE tag is fixed as mentioned in syntax.

### XML Response Syntax

1. PreTUPS send the acknowledgement to the External system about the transaction status. The acknowledgement will be in XML and send as response of the request. The XML response details are mentioned below.
2. **Response Syntax**
3. <?xml version="1.0"?>
4. <!DOCTYPE COMMAND PUBLIC "-//Ocam//DTD XML Command 1.0//EN" "xml/command.dtd">
5. <COMMAND>
6. <TYPE>BARRESP</TYPE>
7. <TXNSTATUS><Transaction Status></TXNSTATUS>
8. </COMMAND>
9. **Fields Detail**

| TAG | Fields | Example | Max Length | Optional/Mandatory | Remarks |
| --- | --- | --- | --- | --- | --- |
| TYPE | BARRESP | BARRESP | 10 | M | Response Type |
| TXNSTATUS | Transaction Status | 200 | 5 | M | Transaction Status i.e.  Transaction OK (200), failed other status |

* The Transaction status details explained in appendix.
* The value for TYPE tag is fixed as mentioned in syntax.

RP2P Services

## Customer Recharge

External system can send the recharge request of a subscriber. Recharge of a subscriber can be done by the channel users.

### XML Request Syntax

1. The External system will send the following request for Customer Recharge. The request format and details of request are mentioned below.
2. **Request Syntax**
3. <?xml version="1.0"?>
4. <!DOCTYPE COMMAND PUBLIC "-//Ocam//DTD XML Command 1.0//EN" "xml/command.dtd">
5. <COMMAND>
6. <TYPE>RCTRFREQ</TYPE>
7. <CELLID><Cell id for GeoFencing></CELLID>
8. <MSISDN1><Retailer MSISDN></MSISDN1>
9. <PIN><Retailer PIN></PIN>
10. <MSISDN2>< Payee MSISDN></MSISDN2>
11. <AMOUNT><Amount></AMOUNT>
12. <LANGUAGE1><Retailer Language></LANGUAGE1>
13. <LANGUAGE2><Payee Language></LANGUAGE2>
14. <SELECTOR><Selector></SELECTOR>
15. </COMMAND>
16. **Fields Detail**

| TAG | Fields | Example | Max Length | Optional/Mandatory | Remarks |
| --- | --- | --- | --- | --- | --- |
| Type | RCTRFREQ | RCTRFREQ | 10 | M | Request Type |
| CELLID | Cell id for GeoFencing | C1 |  | O | Current cell id of the retailer for Geo Fencing. |
| MSISDN1 | Retailer MSISDN | 9942222 | 15 | M | All MSISDN should be without country code.  (National dial format) |
| PIN | Retailer PIN | 3946 | 4 to 6 | O (Tag is mandatory) | Numeric Only. |
| MSISDN2 | Payee MSISDN | 9942223 | 15 | M | Numeric and without country code. |
| AMOUNT | Amount | 100 | 10 | M | Numeric Only. |
| LANGUAGE1 | Retailer Language | 1 | 1 | O (Tag is mandatory) | Numeric only, Retailer Language Code  This code must be defined in PreTUPS system. |
| LANGUAGE2 | Payee Language | 1 | 1 | O (Tag is mandatory) | Numeric only, Payee Language Code  This code must be defined in PreTUPS system. |
| SELECTOR | Selector | 1 | 10 | M | Selector should be numeric  1,2,3. |

* All tags are mandatory to be present in XML. If value is optional and tag must be present.
* The value for TYPE tag is fixed as mentioned in syntax.

1. CELLID information is mandatory in case of GeoFencing.

### XML Response Syntax

1. Pretups will send following response (acknowledgement) to External system for Customer Recharge Request. The XML response details are mentioned below.
2. **Response Syntax**
3. <?xml version="1.0"?>
4. <!DOCTYPE COMMAND PUBLIC "-//Ocam//DTD XML Command 1.0//EN" "xml/command.dtd">
5. <COMMAND>
6. <TYPE>RCTRFRESP</TYPE>
7. <TXNID><Transaction ID></TXNID>
8. <TXNSTATUS><Transaction Status></TXNSTATUS>
9. </COMMAND>
10. **Fields Detail**

| TAG | Fields | Example | Max Length | Optional/Mandatory | Remarks |
| --- | --- | --- | --- | --- | --- |
| Type | RCTRFRESP | RCTRFRESP | 10 | M | Response Type |
| TXNID | Transaction ID | R070603.0112.0001 | 20 | M | Pretups Transaction ID for the Customer Recharge Transaction |
| TXNSTATUS | Transaction Status | 200 | 5 | M | Transaction Status i.e.  Transaction OK (200), failed other status |

* The Transaction status details explained in appendix.
* The value for TYPE tag is fixed as mentioned in syntax.

## Set PIN

1. External system can send the change PIN request once user is registered in PreTUPS.

### XML Request Syntax

1. The External system will send the following request for Pin Request. The request format and details of request are mentioned below.
2. **Request Syntax**
3. <?xml version="1.0"?>
4. <!DOCTYPE COMMAND PUBLIC "-//Ocam//DTD XML Command 1.0//EN" "xml/command.dtd">
5. <COMMAND>
6. <TYPE>RCPNREQ</TYPE>
7. <MSISDN1><Retailer MSISDN></MSISDN1>
8. <PIN><Retailer Old PIN></PIN>
9. <NEWPIN>< Retailer New PIN></NEWPIN>
10. <CONFIRMPIN>< Retailer Confirm PIN></CONFIRMPIN >
11. <LANGUAGE1><Retailer Language></LANGUAGE1>
12. </COMMAND>
13. **Fields Detail**

| TAG | Fields | Example | Max Length | Optional/Mandatory | Remarks |
| --- | --- | --- | --- | --- | --- |
| Type | RCPNREQ | RCPNREQ | 10 | M | Request Type |
| MSISDN1 | Retailer MSISDN | 9942222 | 15 | M | Retailer MSISDN should be without country code.  (National dial format) |
| PIN | Retailer PIN | 3946 | 4 to 6 | M | Numeric Only |
| NEWPIN | Retailer New PIN | 3946 | 4 to 6 | M | Numeric Only |
| CONFIRMPIN | Retailer Confirm PIN | 3946 | 4 to 6 | M | Numeric Only |
| LANGUAGE1 | Retailer Language | 1 | 1 | O (Tag is mandatory) | Numeric only Retailer Language Code  This code must be defined in PreTUPS system |

* All tags are mandatory to be present in XML. If value is optional and tag must be present.
* Old PIN should not be equal to New PIN.

### XML Response Syntax

1. Pretups will send following response (acknowledgement) to External system for set PIN Request. The XML response details are mentioned below.
2. **Response Syntax**
3. <?xml version="1.0"?>
4. <!DOCTYPE COMMAND PUBLIC "-//Ocam//DTD XML Command 1.0//EN" "xml/command.dtd">
5. <COMMAND>
6. <TYPE>RCPNRESP</TYPE>
7. <TXNSTATUS><Transaction Status></TXNSTATUS>
8. </COMMAND>
9. **Fields Detail**

| TAG | Fields | Example | Max Length | Optional/Mandatory | Remarks |
| --- | --- | --- | --- | --- | --- |
| Type | RCPNRESP | RCPNRESP | 10 | M | Response Type |
| TXNSTATUS | Transaction Status | 200 | 5 | M | Transaction Status i.e.  Transaction OK (200) , failed other status |

* The Transaction status details explained in appendix.
* The value for TYPE tag is fixed as mentioned in syntax.

## Set Notification Language

External System can send the Set Notification Language request to PreTUPS for a channel user.

### XML Request Syntax

1. The External system should send the following request for Notification language. The request format and details of request are mentioned below.
2. **Request Syntax**
3. <?xml version="1.0"?>
4. <!DOCTYPE COMMAND PUBLIC "-//Ocam//DTD XML Command 1.0//EN" "xml/command.dtd">
5. <COMMAND>
6. <TYPE>RCNLANGREQ</TYPE>
7. <MSISDN1><Retailer MSISDN></MSISDN1>
8. <PIN><Retailer PIN></PIN>
9. <LANGUAGE1><Language></LANGUAGE1>
10. </COMMAND>
11. **Fields Detail**

| TAG | Fields | Example | Max Length | Optional/Mandatory | Remarks |
| --- | --- | --- | --- | --- | --- |
| Type | RCNLANGREQ | RCNLANGREQ | 10 | M | Request Type |
| MSISDN1 | Retailer MSISDN | 9942222 | 15 | M | All MSISDN should be without country code.  (National dial format.) |
| PIN | Retailer PIN | 3946 | 4 to 6 | O | Numeric Only. default “0000” will be considered if not specified |
| LANGUAGE1 | LANG | 1 | 1 | M | Language Code  This code must be defined in PreTUPS system  Numeric Only |

* All tags are mandatory to be present in XML. If value is optional and tag must be present.
* Old PIN should not be equal to New PIN.

### XML Response Syntax

1. Pretups will send following response (acknowledgement) to External system for Set Notification Language Request. The XML response details are mentioned below.
2. **Response Syntax**
3. <?xml version="1.0"?>
4. <!DOCTYPE COMMAND PUBLIC "-//Ocam//DTD XML Command 1.0//EN" "xml/command.dtd">
5. <COMMAND>
6. <TYPE>RCLANGRESP</TYPE>
7. <TXNSTATUS><Transaction Status></TXNSTATUS>
8. </COMMAND>
9. **Fields Detail**

| TAG | Fields | Example | Max Length | Optional/Mandatory | Remarks |
| --- | --- | --- | --- | --- | --- |
| TYPE | RCLANGRESP | RCLANGRESP | 10 | M | Response Type |
| TXNSTATUS | Transaction Status | 200 | 5 | M | Final Transaction Status i.e.  Transaction OK (200) failed other status |

* The Transaction status details explained in appendix.
* The value for TYPE tag is fixed as mentioned in syntax.

## Transfer, Return and Withdraw

External system can send the transfer, return and with draw requests to PreTUPS between the channel users.

### XML Request Syntax

1. The External system send the following request for transfer, return and withdraw. The request format and details of request are mentioned below.
2. **Request Syntax**
3. <?xml version="1.0"?>
4. <!DOCTYPE COMMAND PUBLIC "-//Ocam//DTD XML Command 1.0//EN" "xml/command.dtd">
5. <COMMAND>
6. <TYPE>TRFREQ </TYPE>
7. <MSISDN1><Retailer Payer MSISDN></MSISDN1>
8. <MSISDN2><Retailer Payee MSISDN></MSISDN2>
9. <TOPUPVALUE><Top up value></TOPUPVALUE>
10. <PRODUCTCODE><Product short code></PRODUCTCODE>
11. <LANGUAGE1><Retailer Language></LANGUAGE1>
12. <PIN>1234</PIN>
13. </COMMAND>
14. **Fields Detail**

| TAG | Fields | Example | Max Length | Optional/Mandatory | Remarks |
| --- | --- | --- | --- | --- | --- |
| TYPE | TRFREQ | TRFREQ | 10 | M | **Request Type**  TRFREQ **-For Transfer request**  RETREQ – for **Return**  WDTHREQ for **Withdrawal** |
| MSISDN1 | Retailer Payer MSISDN | 9942222 | 15 | M | Retailer Payer MSISDN should be without country code.  (National dial format) |
| MSISDN2 | Retailer Payee MSISDN | 9942223 | 15 | M | Retailer Payee MSISDN should be without country code.  (National dial format) |
| TOPUPVALUE | AMOUNT | 100 | 20 | M | Value to be Transferred |
| PRODUCTCODE | Product short code | 101 | 5 | O | Product short code .fixed value 101 should be used. |
| LANGUAGE1 | Retailer Language | 1 | 1 | O (Tag is mandatory) | Language Code  This code must be defined in PreTUPS system  Numeric Only |
| PIN | PIN | 2564 | 4 to 6 | O | Numeric Only. default “0000” will be considered if not specified |

* All tags are mandatory to be present in XML. If value is optional and tag must be present.
* The value for TYPE tag is fixed as mentioned in syntax.

### XML Response Syntax

1. Pretups will send following response (acknowledgement) to External system for Sell, Transfer, Withdraw. The XML response details are mentioned below.
2. **Response Syntax**
3. <?xml version="1.0"?>
4. <!DOCTYPE COMMAND PUBLIC "-//Ocam//DTD XML Command 1.0//EN" "xml/command.dtd">
5. <COMMAND>
6. <TYPE>TRFRESP</TYPE>
7. <TXNSTATUS><Transaction Status></TXNSTATUS>
8. </COMMAND>

| TAG | Fields | Example | Max Length | Optional/Mandatory | Remarks |
| --- | --- | --- | --- | --- | --- |
| TYPE | TRFRESP | TRFRESP | 10 | M | Response Type  TRFRESP – **for Transfer response**  RETRESP – **for return response**  WDTHRESP – **for withdrawal response** |
| TXNSTATUS | Transaction Status | 200 | 5 | M | Transaction Status i.e.  Transaction OK (200), Failed and other status |

* The Transaction status details explained in appendix.
* The value for TYPE tag is fixed as mentioned in syntax.

## Balance Enquiry

Through external system a channel user can sends the self-balance enquiry or other channel user enquiry, which is down to his/her hierarchy.

### XML Request Syntax

1. The External system sends the following request for Balance enquiry. The request format and details of request are mentioned below.
2. **Request Syntax**
3. <?xml version="1.0"?>
4. <!DOCTYPE COMMAND PUBLIC "-//Ocam//DTD XML Command 1.0//EN" "xml/command.dtd">
5. <COMMAND>
6. <TYPE>BALREQ</TYPE>
7. <MSISDN1><Channel User Msisdn></MSISDN1>
8. <PIN>1234</PIN>
9. </COMMAND>

| TAG | Fields | Example | Max Length | Optional/Mandatory | Remarks |
| --- | --- | --- | --- | --- | --- |
| TYPE | BALREQ | BALREQ | 10 | M | Request Type |
| MSISDN1 | MSISDN of other channel user whose balance to be checked. | 9942222 | 15 | M | Retailer Payer MSISDN should be without country code.  (National dial format) |
| PIN | PIN | 2564 | 4 to 6 | O | Numeric Only. Default “0000” will be considered if not specified |

* All tags are mandatory to be present in XML. If value is optional and tag must be present.
* The value for TYPE tag is fixed as mentioned in syntax.

### XML Response Syntax

1. PreTUPS will send following response (acknowledgement) to External system for Balance enquiry. The XML response details are mentioned below.
2. **Response Syntax**
3. <?xml version="1.0"?>
4. <!DOCTYPE COMMAND PUBLIC "-//Ocam//DTD XML Command 1.0//EN" "xml/command.dtd">
5. <COMMAND>
6. <TYPE>BALRESP</TYPE>
7. <TXNSTATUS><Transaction Status></TXNSTATUS>
8. </COMMAND>

| TAG | Fields | Example | Max Length | Optional/Mandatory | Remarks |
| --- | --- | --- | --- | --- | --- |
| TYPE | BALRESP | BALRESP | 10 | M | Response Type |
| TXNSTATUS | Transaction Status | 200 | 5 | M | Transaction Status i.e.  Transaction OK (200), Failed and other status |

* The Transaction status details explained in appendix.
* The value for TYPE tag is fixed as mentioned in syntax.

## Daily Status Report

Through external system a channel user can sends the daily status report. The daily status report has detailed about the channel user Transfers, Withdraw/Return and Subscriber recharge.

### XML Request Syntax

1. The External system sends the following request for Daily Status Report. The request format and details of request are mentioned below.
2. **Request Syntax**
3. <? xml version="1.0"?>
4. <! DOCTYPE COMMAND PUBLIC "-//Ocam//DTD XML Command 1.0//EN" "xml/command.dtd">
5. <COMMAND>
6. <TYPE>DSRREQ</TYPE>
7. <MSISDN1><Channel User Msisdn></MSISDN1>
8. <PIN>1234</PIN>
9. </COMMAND>
10. **Fields Details**

| TAG | Fields | Example | Max Length | Optional/Mandatory | Remarks |
| --- | --- | --- | --- | --- | --- |
| TYPE | DSRREQ | DSRREQ | 10 | M | Request Type |
| MSISDN1 | MSISDN of the channel user whose daily status report needs to be checked | 9942222 | 15 | M | Retailer Payer MSISDN should be without country code.  (National dial format) |
| PIN | PIN of the channel user | 2564 | 4 to 6 | O | Numeric Only. Default “0000” will be considered if not specified |

* All tags are mandatory to be present in XML. If value is optional and tag must be present.
* The value for TYPE tag is fixed as mentioned in syntax.

### XML Response Syntax

1. PreTUPS will send following response (acknowledgement) to External system for Daily Status Report. The XML response details are mentioned below.
2. **Response Syntax**
3. <?xml version="1.0"?>
4. <!DOCTYPE COMMAND PUBLIC "-//Ocam//DTD XML Command 1.0//EN" "xml/command.dtd">
5. <COMMAND>
6. <TYPE>DSRRESP</TYPE>
7. <TXNSTATUS><Transaction Status></TXNSTATUS>
8. </COMMAND>
9. **Fields Detail**

| TAG | Fields | Example | Max Length | Optional/Mandatory | Remarks |
| --- | --- | --- | --- | --- | --- |
| TYPE | DSRRESP | DSRRESP | 10 | M | Response Type |
| TXNSTATUS | Transaction Status | 200 | 5 | M | Transaction Status i.e.  Transaction OK (200), Failed and other status |

* The Transaction status details explained in appendix.
* The value for TYPE tag is fixed as mentioned in syntax.

## Last Transfer Status

Through external system a channel user can checks its last transaction status.

### XML Request Syntax

1. The External system sends the following request for Last Transaction Status. The request format and details of request are mentioned below.
2. **Request Syntax**
3. <?xml version="1.0"?>
4. <!DOCTYPE COMMAND PUBLIC "-//Ocam//DTD XML Command 1.0//EN" "xml/command.dtd">
5. <COMMAND>
6. <TYPE>LTSREQ</TYPE>
7. <MSISDN1><Channel User Msisdn></MSISDN1>
8. <PIN>1234</PIN>
9. </COMMAND>
10. **Fields Details**

| TAG | Fields | Example | Max Length | Optional/Mandatory | Remarks |
| --- | --- | --- | --- | --- | --- |
| TYPE | LTSREQ | LTSREQ | 10 | M | Request Type |
| MSISDN1 | MSISDN of the channel user whose last transaction status needs to checked. | 9942222 | 15 | M | Retailer Payer MSISDN should be without country code.  (National dial format) |
| PIN | PIN of the channel user | 2564 | 4 to 6 | M | Numeric Only. Default “0000” will be considered if not specified |

* All tags are mandatory to be present in XML. If value is optional and tag must be present.
* The value for TYPE tag is fixed as mentioned in syntax.

### XML Response Syntax

1. PreTUPS will send following response (acknowledgement) to External system for Last Transfer Status. The XML response details are mentioned below.
2. **Response Syntax**
3. <?xml version="1.0"?>
4. <!DOCTYPE COMMAND PUBLIC "-//Ocam//DTD XML Command 1.0//EN" "xml/command.dtd">
5. <COMMAND>
6. <TYPE>LTSRESP</TYPE>
7. <TXNSTATUS><Transaction Status></TXNSTATUS>
8. </COMMAND>
9. **Fields Detail**

| TAG | Fields | Example | Max Length | Optional/Mandatory | Remarks |
| --- | --- | --- | --- | --- | --- |
| TYPE | LTSRESP | LTSRESP | 10 | M | Response Type |
| TXNSTATUS | Transaction Status | 200 | 5 | M | Transaction Status i.e.  Transaction OK (200), Failed and other status |

* The Transaction status details explained in appendix.
* The value for TYPE tag is fixed as mentioned in syntax.

## Electronic Voucher Distribution (EVD)

External system can send the EVD request of a subscriber. The channel users can do EVD of a subscriber.

### XML Request Syntax

1. The External system will send the following request for EVD. The request format and details of request are mentioned below.
2. **Request Syntax**
3. <?xml version="1.0"?>
4. <!DOCTYPE COMMAND PUBLIC "-//Ocam//DTD XML Command 1.0//EN" "xml/command.dtd">
5. <COMMAND>
6. <TYPE>EVDREQ</TYPE>
7. <MSISDN1><Retailer MSISDN></MSISDN1>
8. <PIN><Retailer PIN></PIN>
9. <MSISDN2>< Payee MSISDN></MSISDN2>
10. <AMOUNT><Amount></AMOUNT>
11. <LANGUAGE1><Retailer Language></LANGUAGE1>
12. <LANGUAGE2><Payee Language></LANGUAGE2>
13. <SELECTOR><Selector></SELECTOR>
14. </COMMAND>
15. **Fields Detail**

| TAG | Fields | Example | Max Length | Optional/Mandatory | Remarks |
| --- | --- | --- | --- | --- | --- |
| Type | EVDREQ | EVDREQ | 10 | M | Request Type |
| MSISDN1 | Retailer MSISDN | 9942222 | 15 | M | All MSISDN should be without country code.  (National dial format) |
| PIN | Retailer PIN | 3946 | 4 to 6 | O | Numeric Only. Default “0000” will be considered if not specified |
| MSISDN2 | Payee MSISDN | 9942223 | 15 | M | Numeric and without country code. |
| AMOUNT | Amount | 100 | 10 | M | Numeric Only. |
| LANGUAGE1 | Retailer Language | 1 | 1 | O (Tag is mandatory) | Numeric only, Retailer Language Code  This code must be defined in PreTUPS system. |
| LANGUAGE2 | Payee Language | 1 | 1 | O (Tag is mandatory) | Numeric only, Payee Language Code  This code must be defined in PreTUPS system. |
| SELECTOR | Selector | 1 | 10 | M | Selector should be numeric  1,2,3. |

* All tags are mandatory to be present in XML. If value is optional and tag must be present.
* The value for TYPE tag is fixed as mentioned in syntax.

### XML Response Syntax

1. Pretups will send following response (acknowledgement) to External system for EVD Request. The XML response details are mentioned below.
2. **Response Syntax**
3. <?xml version="1.0"?>
4. <!DOCTYPE COMMAND PUBLIC "-//Ocam//DTD XML Command 1.0//EN" "xml/command.dtd">
5. <COMMAND>
6. <TYPE>EVDRESP</TYPE>
7. <TXNID><Transaction ID></TXNID>
8. <TXNSTATUS><Transaction Status></TXNSTATUS>
9. </COMMAND>
10. **Fields Detail**

| TAG | Fields | Example | Max Length | Optional/Mandatory | Remarks |
| --- | --- | --- | --- | --- | --- |
| Type | EVDRESP | EVDRESP | 10 | M | Response Type |
| TXNID | Transaction ID | R070603.0112.0001 | 20 | M | Pretups Transaction ID for the Customer Recharge Transaction |
| TXNSTATUS | Transaction Status | 200 | 5 | M | Transaction Status i.e.  Transaction OK (200), failed other status |

* The Transaction status details explained in appendix.
* The value for TYPE tag is fixed as mentioned in syntax.

## Multiple Electronic Voucher Distribution (M-EVD)

External system can send the M-EVD request of a subscriber. The channel users can do EVD of a subscriber.

### XML Request Syntax

1. The External system will send the following request for M-EVD. The request format and details of request are mentioned below.
2. **Request Syntax**
3. <?xml version="1.0"?>
4. <!DOCTYPE COMMAND PUBLIC "-//Ocam//DTD XML Command 1.0//EN" "xml/command.dtd">
5. <COMMAND>
6. <TYPE>MVDREQ</TYPE>
7. <MSISDN1><Retailer MSISDN></MSISDN1>
8. <MSISDN2><User MSISDN></MSISDN2>
9. <AMOUNT><Amount></AMOUNT>
10. <QTY><Quantity></QTY>
11. <LANGUAGE1><Retailer Language></LANGUAGE1>
12. <LANGUAGE2><Payee Language></LANGUAGE2>
13. <SELECTOR><Selector></SELECTOR>
14. <PIN><Retailer PIN></PIN>
15. </COMMAND>
16. **Fields Detail**

| TAG | Fields | Example | Max Length | Optional/Mandatory | Remarks |
| --- | --- | --- | --- | --- | --- |
| Type | MVDREQ | MVDREQ | 10 | M | Request Type |
| MSISDN1 | Retailer MSISDN | 9942222 | 15 | M | All MSISDN should be without country code.  (National dial format) |
| MSISDN2 | User MSISDN | 9942222 | 15 | M | All MSISDN should be without country code.  (National dial format) |
| AMOUNT | Amount | 100 | 10 | M | Numeric Only. |
| QTY | Quantity of vouchers | 12 | 10 | M | Numeric Only |
| LANGUAGE1 | Retailer Language | 1 | 1 | O (Tag is mandatory) | Numeric only, Retailer Language Code  This code must be defined in PreTUPS system. |
| LANGUAGE2 | Payee Language | 1 | 1 | O (Tag is mandatory) | Numeric only, Payee Language Code  This code must be defined in PreTUPS system. |
| SELECTOR | Selector | 1 | 10 | M | Selector should be numeric  1,2,3. |
| PIN | Retailer PIN | 3946 | 4 to 6 | O | Numeric Only. Default “0000” will be considered if not specified |

* All tags are mandatory to be present in XML. If value is optional and tag must be present.
* The value for TYPE tag is fixed as mentioned in syntax.

### XML Response Syntax

1. Pretups will send following response (acknowledgement) to External system for EVD Request. The XML response details are mentioned below.
2. **Response Syntax**
3. <?xml version="1.0"?>
4. <!DOCTYPE COMMAND PUBLIC "-//Ocam//DTD XML Command 1.0//EN" "xml/command.dtd">
5. <COMMAND>
6. <TYPE>EVDRESP</TYPE>
7. <TXNID\_ARR>
8. <TXNID ></TXNID>
9. <TXNID ></TXNID>
10. <TXNID ></TXNID>
11. </TXNID\_ARR>
12. <TXNSTATUS><Transaction Status></TXNSTATUS>
13. </COMMAND>
14. **Fields Detail**

| TAG | Fields | Example | Max Length | Optional/Mandatory | Remarks |
| --- | --- | --- | --- | --- | --- |
| Type | MEVDRESP | MEVDRESP | 10 | M | Response Type |
| TXNID\_ARR |  |  |  |  | This tag consist of multiples transaction Ids |
| TXNID | Transaction ID | R070603.0112.0001 | 20 | M | Pretups Transaction ID for the Customer Recharge Transaction.  This tag can be reapted, as number of transaction id increases. |
| TXNSTATUS | Transaction Status | 200 | 5 | M | Transaction Status i.e.  Transaction OK (200), failed other status |

* The Transaction status details explained in appendix.
* The value for TYPE tag is fixed as mentioned in syntax.

## Electronic Voucher Recharge (EVR)

1. A Channel User would be able to recharge a customer’s account by transferring Credit from its own account to the Customer’s account by using Electronic voucher recharge.

### XML Request Syntax

The USSD system will send the following request for Electronic voucher recharge. The request format and details of request are mentioned below:

1. **Request Syntax**

<?xml version="1.0"?>

<!DOCTYPE COMMAND PUBLIC "-//Ocam//DTD XML Command 1.0//EN" "xml/command.dtd">

<COMMAND>

<TYPE>EVRTRFREQ</TYPE>

<MSISDN1><Retailer MSISDN></MSISDN1>

<PIN><Retailer PIN></PIN>

<MSISDN2><Payee MSISDN></MSISDN2>

<AMOUNT><Amount></AMOUNT>

<LANGUAGE1><Retailer Language></LANGUAGE1>

<LANGUAGE2><Payee Language></LANGUAGE2>

<SELECTOR><Selector></SELECTOR>

</COMMAND>

1. **Fields Detail**

| TAG | Fields | Example | Max Length | Optional/Mandatory | Remarks |
| --- | --- | --- | --- | --- | --- |
| Type | EVRTRFREQ | EVRTRFREQ | 10 | M | Request Type |
| MSISDN1 | Retailer MSISDN | 9942222 | 15 | M | All MSISDN should be without country code.  (National dial format) |
| PIN | Retailer PIN | 3946 | 4 to 6 | O (Tag is mandatory) | Numeric Only. |
| MSISDN2 | Payee MSISDN | 9942223 | 15 | M | Numeric and without country code. |
| AMOUNT | Amount | 100 | 10 | M | Numeric Only. |
| LANGUAGE1 | Retailer Language | 1 | 1 | O (Tag is mandatory) | Numeric only, Retailer Language Code  This code must be defined in PreTUPS system. |
| LANGUAGE2 | Payee Language | 1 | 1 | O (Tag is mandatory) | Numeric only, Payee Language Code  This code must be defined in PreTUPS system. |
| SELECTOR | Selector | 1 | 10 | M | Selector should be numeric  1,2,3. |

* All tags are mandatory to be present in XML. If value is optional and tag must be present.
* The value for TYPE tag is fixed as mentioned in syntax.

### XML Response Syntax

1. PreTUPS will send following response (acknowledgement) to External system for Electronic voucher recharge Request. The XML response details are mentioned below.
2. **Response Syntax**

<?xml version="1.0"?>

<!DOCTYPE COMMAND PUBLIC "-//Ocam//DTD XML Command 1.0//EN" "xml/command.dtd">

<COMMAND>

<TYPE>EVRTRFRESP</TYPE>

<TXNID><Transaction ID></TXNID>

<TXNSTATUS><Transaction Status></TXNSTATUS>

</COMMAND>

1. **Fields Detail**

| TAG | Fields | Example | Max Length | Optional/Mandatory | Remarks |
| --- | --- | --- | --- | --- | --- |
| Type | EVRTRFRESP | EVRTRFRESP | 10 | M | Response Type |
| TXNID | Transaction ID | E070603.0112.0001 | 20 | M | PreTUPS Transaction ID for the Electronic voucher recharge Transaction |
| TXNSTATUS | Transaction Status | 200 | 5 | M | Transaction Status i.e.  Transaction OK (200), failed other status |

* The Transaction status details explained in appendix.
* The value for TYPE tag is fixed as mentioned in syntax.

## Postpaid Bill Payment (PPB)

External system can send the PPB request of a subscriber. The channel users can do PPB of a subscriber.

### XML Request Syntax

1. The External system will send the following request for PPB. The request format and details of request are mentioned below.
2. **Request Syntax**
3. <?xml version="1.0"?>
4. <!DOCTYPE COMMAND PUBLIC "-//Ocam//DTD XML Command 1.0//EN" "xml/command.dtd">
5. <COMMAND>
6. <TYPE> PPBTRFREQ</TYPE>
7. <MSISDN1><Retailer MSISDN></MSISDN1>
8. <PIN><Retailer PIN></PIN>
9. <MSISDN2>< Payee MSISDN></MSISDN2>
10. <AMOUNT><Amount></AMOUNT>
11. <LANGUAGE1><Retailer Language></LANGUAGE1>
12. <LANGUAGE2><Payee Language></LANGUAGE2>
13. <SELECTOR><Selector></SELECTOR>
14. </COMMAND>
15. **Fields Detail**

| TAG | Fields | Example | Max Length | Optional/Mandatory | Remarks |
| --- | --- | --- | --- | --- | --- |
| Type | PPBTRFREQ | PPBTRFREQ | 10 | M | Request Type |
| MSISDN1 | Retailer MSISDN | 9942222 | 15 | M | All MSISDN should be without country code.  (National dial format) |
| PIN | Retailer PIN | 3946 | 4 to 6 | O | Numeric Only. Default “0000” will be considered if not specified |
| MSISDN2 | Payee MSISDN | 9942223 | 15 | M | Numeric and without country code. |
| AMOUNT | Amount | 100 | 10 | M | Numeric Only. |
| LANGUAGE1 | Retailer Language | 1 | 1 | O (Tag is mandatory) | Numeric only, Retailer Language Code  This code must be defined in PreTUPS system. |
| LANGUAGE2 | Payee Language | 1 | 1 | O (Tag is mandatory) | Numeric only, Payee Language Code  This code must be defined in PreTUPS system. |
| SELECTOR | Selector | 1 | 10 | M | Selector should be numeric  1,2,3. |

* All tags are mandatory to be present in XML. If value is optional and tag must be present.
* The value for TYPE tag is fixed as mentioned in syntax.

### XML Response Syntax

1. Pretups will send following response (acknowledgement) to External system for PPB Request. The XML response details are mentioned below.
2. **Response Syntax**
3. <?xml version="1.0"?>
4. <!DOCTYPE COMMAND PUBLIC "-//Ocam//DTD XML Command 1.0//EN" "xml/command.dtd">
5. <COMMAND>
6. <TYPE> PPBTRFRESP</TYPE>
7. <TXNID><Transaction ID></TXNID>
8. <TXNSTATUS><Transaction Status></TXNSTATUS>
9. </COMMAND>
10. **Fields Detail**

| TAG | Fields | Example | Max Length | Optional/Mandatory | Remarks |
| --- | --- | --- | --- | --- | --- |
| Type | PPBTRFRESP | PPBTRFRESP | 10 | M | Response Type |
| TXNID | Transaction ID | R070603.0112.0001 | 20 | M | PreTUPS Transaction ID for the Customer Recharge Transaction |
| TXNSTATUS | Transaction Status | 200 | 5 | M | Transaction Status i.e.  Transaction OK (200), failed other status |

* The Transaction status details explained in appendix.
* The value for TYPE tag is fixed as mentioned in syntax.

## Utility Bill Payment

External system can send the Utility Bill Payment request of a subscriber. The channel users can do Utility Bill Payment of a subscriber.

### XML Request Syntax

1. The External system will send the following request for Utility Bill Payment. The request format and details of request are mentioned below.
2. **Request Syntax**
3. <?xml version="1.0"?>
4. <!DOCTYPE COMMAND PUBLIC "-//Ocam//DTD XML Command 1.0//EN" "xml/command.dtd">
5. <COMMAND>
6. <TYPE>UBPREQ</TYPE>
7. <MSISDN1><Retailer MSISDN></MSISDN1>
8. <PIN><Retailer PIN></PIN>
9. <MSISDN2>< Payee MSISDN></MSISDN2>
10. <AMOUNT><Amount></AMOUNT>
11. <LANGUAGE1><Retailer Language></LANGUAGE1>
12. <LANGUAGE2><Payee Language></LANGUAGE2>
13. <SELECTOR><Selector></SELECTOR>
14. <SUBSERVICE><SUB Service></ SUBSERVICE >
15. </COMMAND>
16. **Fields Detail**

| TAG | Fields | Example | Max Length | Optional/Mandatory | Remarks |
| --- | --- | --- | --- | --- | --- |
| Type | UBPREQ | UBPREQ | 10 | M | Request Type |
| MSISDN1 | Retailer MSISDN | 9942222 | 15 | M | All MSISDN should be without country code.  (National dial format) |
| PIN | Retailer PIN | 3946 | 4 to 6 | O | Numeric Only. Default “0000” will be considered if not specified |
| MSISDN2 | Payee MSISDN | 9942223 | 15 | M | Numeric and without country code. |
| AMOUNT | Amount | 100 | 10 | M | Numeric Only. |
| LANGUAGE1 | Retailer Language | 1 | 1 | O (Tag is mandatory) | Numeric only, Retailer Language Code  This code must be defined in PreTUPS system. |
| LANGUAGE2 | Payee Language | 1 | 1 | O (Tag is mandatory) | Numeric only, Payee Language Code  This code must be defined in PreTUPS system. |
| SELECTOR | Selector | 1 | 10 | M | Selector should be numeric  1,2,3. |
| SUBSERVICE | Sub service | EB,  MB | 10 | M | On the bases of sub service operator can use same Bill payment service for paying different bills. |

* All tags are mandatory to be present in XML. If value is optional and tag must be present.
* The value for TYPE tag is fixed as mentioned in syntax.

### XML Response Syntax

1. Pretups will send following response (acknowledgement) to External system for PPB Request. The XML response details are mentioned below.
2. **Response Syntax**
3. <?xml version="1.0"?>
4. <!DOCTYPE COMMAND PUBLIC "-//Ocam//DTD XML Command 1.0//EN" "xml/command.dtd">
5. <COMMAND>
6. <TYPE>UBPRESP</TYPE>
7. <TXNID><Transaction ID></TXNID>
8. <TXNSTATUS><Transaction Status></TXNSTATUS>
9. </COMMAND>
10. **Fields Detail**

| TAG | Fields | Example | Max Length | Optional/Mandatory | Remarks |
| --- | --- | --- | --- | --- | --- |
| Type | UBPRESP | UBPRESP | 10 | M | Response Type |
| TXNID | Transaction ID | R070603.0112.0001 | 20 | M | PreTUPS Transaction ID for the Customer Recharge Transaction |
| TXNSTATUS | Transaction Status | 200 | 5 | M | Transaction Status i.e.  Transaction OK (200), failed other status |

* The Transaction status details explained in appendix.
* The value for TYPE tag is fixed as mentioned in syntax.

## C2S Transfer (Gift Recharge)

1. USSD server will send Gift Recharge request to PreTUPS in the following format:

### XML Request Syntax

1. USSD server will send Gift Recharge request to PreTUPS in the following format:
2. **Request Syntax**
3. <?xml version="1.0"?>
4. <!DOCTYPE COMMAND PUBLIC "-//Ocam//DTD XML Command 1.0//EN" "xml/command.dtd">
5. <COMMAND>
6. <TYPE>GFTRCREQ </TYPE>
7. <MSISDN1><Retailer MSISDN></MSISDN1>
8. <PIN><Retailer PIN></PIN>
9. <MSISDN2>< Payee MSISDN></MSISDN2>
10. <AMOUNT><Amount></AMOUNT>
11. <LANGUAGE1><Retailer Language></LANGUAGE1>
12. <LANGUAGE2><Payee Language></LANGUAGE2>
13. <SELECTOR><Selector></SELECTOR>
14. <GIFTER\_MSISDN><Gifter MSISDN></GIFTER\_MSISDN>
15. <GIFTER\_NAME><Gifter NAME></GIFTER\_NAME>
16. <GIFTER\_LANGUAGE><Gifter Language></GIFTER\_LANGUAGE >
17. </COMMAND>
18. **Fields Detail**

| TAG | Fields | Example | Max Length | Optional/Mandatory | Remarks |
| --- | --- | --- | --- | --- | --- |
| Type | GFTRCREQ | GFTRCREQ | 10 | M | Request Type |
| MSISDN1 | Retailer MSISDN | 9942222 | 15 | M | All MSISDN should be without country code.  (National dial format) |
| PIN | Retailer PIN | 3946 | 4 to 6 | O | Numeric Only. Default “0000” will be considered if not specified |
| MSISDN2 | Payee MSISDN | 9942223 | 15 | M | Numeric and without country code. |
| AMOUNT | Amount | 100 | 10 | M | Numeric Only. |
| LANGUAGE1 | Retailer Language | 1 | 1 | O (Tag is mandatory) | Numeric only, Retailer Language Code  This code must be defined in PreTUPS system. |
| LANGUAGE2 | Payee Language | 1 | 1 | O (Tag is mandatory) | Numeric only, Payee Language Code  This code must be defined in PreTUPS system. |
| SELECTOR | Selector | 1 | 10 | M | Selector should be numeric  1,2,3. |
| GIFTER\_MSISDN | Gifter MSISDN | MSISDN of the gifter. | 9942222 | N (15) | M |
| GIFTER\_NAME | Gifter NAME | Name of the gifter. |  | A (20) | M |
| GIFTER\_LANGUAGE | Gifter Language | Numeric only, Retailer Language Code  This code must be defined in PreTUPS system. | 0 | A(10) | O (Tag is mandatory) |

* All tags are mandatory to be present in XML. If value is optional and tag must be present.
* The value for TYPE tag is fixed as mentioned in syntax.

### XML Response Syntax

1. Pretups will send following response (acknowledgement) to USSD for Gift Recharge Request. The XML response details are mentioned below.
2. **Response Syntax**
3. <?xml version="1.0"?>
4. <!DOCTYPE COMMAND PUBLIC "-//Ocam//DTD XML Command 1.0//EN" "xml/command.dtd">
5. <COMMAND>
6. <TYPE> GFTRCRESP</TYPE>
7. <TXNID><Transaction ID></TXNID>
8. <TXNSTATUS><Transaction Status></TXNSTATUS>
9. </COMMAND>
10. **Fields Detail**

| TAG | Fields | Example | Max Length | Optional/Mandatory | Remarks |
| --- | --- | --- | --- | --- | --- |
| Type | GFTRCRESP | GFTRCRESP | 10 | M | Response Type |
| TXNID | Transaction ID | R070603.0112.0001 | 20 | M | PreTUPS Transaction ID for the Customer Recharge Transaction |
| TXNSTATUS | Transaction Status | 200 | 5 | M | Transaction Status i.e.  Transaction OK (200), failed other status |

* The Transaction status details explained in appendix.
* The value for TYPE tag is fixed as mentioned in syntax.

## Customer Recharge (Fix Line)

External system can send the recharge request of a landline subscriber. The channel users can do recharge of a subscriber.

### XML Request Syntax

1. The External system will send the following request for Customer Recharge for fix line. The request format and details of request are mentioned below.
2. **Request Syntax**
3. <?xml version="1.0"?>
4. <!DOCTYPE COMMAND PUBLIC "-//Ocam//DTD XML Command 1.0//EN" "xml/command.dtd">
5. <COMMAND>
6. <TYPE>PSTNRCTRFREQ</TYPE>
7. <MSISDN1><Retailer MSISDN></MSISDN1>
8. <PIN><Retailer PIN></PIN>
9. <MSISDN2>< Payee MSISDN></MSISDN2>
10. <AMOUNT><Amount></AMOUNT>
11. <LANGUAGE1><Retailer Language></LANGUAGE1>
12. <LANGUAGE2><Payee Language></LANGUAGE2>
13. <NOTIFICATION\_MSISDN><Notification MSISDN></NOTIFICATION\_MSISDN>
14. <SELECTOR><Selector></SELECTOR>
15. </COMMAND>
16. **Fields Detail**

| TAG | Fields | Example | Max Length | Optional/Mandatory | Remarks |
| --- | --- | --- | --- | --- | --- |
| Type | PSTNRCTRFREQ | PSTNRCTRFREQ | 10 | M | Request Type |
| MSISDN1 | Retailer MSISDN | 9942222 | 15 | M | All MSISDN should be without country code.  (National dial format) |
| PIN | Retailer PIN | 3946 | 4 to 6 | O (Tag is mandatory) | Numeric Only. |
| MSISDN2 | Payee MSISDN | 9942223 | 15 | M | Numeric and without country code. |
| AMOUNT | Amount | 100 | 10 | M | Numeric Only. |
| LANGUAGE1 | Retailer Language | 1 | 1 | O (Tag is mandatory) | Numeric only, Retailer Language Code  This code must be defined in PreTUPS system. |
| LANGUAGE2 | Payee Language | 1 | 1 | O (Tag is mandatory) | Numeric only, Payee Language Code  This code must be defined in PreTUPS system. |
| NOTIFICATION\_MSISDN | Notification MSISDN | 981239823 | 15 | M | MSISDN on which notification need to send. |
| SELECTOR | Selector | 1 | 10 | M | Selector should be numeric  1,2,3. |

* All tags are mandatory to be present in XML. If value is optional and tag must be present.
* The value for TYPE tag is fixed as mentioned in syntax.

### XML Response Syntax

1. PreTUPS will send following response (acknowledgement) to External system for Customer Recharge Request of Fix line. The XML response details are mentioned below.
2. **Response Syntax**
3. <?xml version="1.0"?>
4. <!DOCTYPE COMMAND PUBLIC "-//Ocam//DTD XML Command 1.0//EN" "xml/command.dtd">
5. <COMMAND>
6. <TYPE> PSTNRCTRFRESP</TYPE>
7. <TXNID><Transaction ID></TXNID>
8. <TXNSTATUS><Transaction Status></TXNSTATUS>
9. </COMMAND>

| TAG | Fields | Example | Max Length | Optional/Mandatory | Remarks |
| --- | --- | --- | --- | --- | --- |
| Type | PSTNRCTRFRESP | PSTNRCTRFRESP | 10 | M | Response Type |
| TXNID | Transaction ID | R070603.0112.0001 | 20 | M | Pretups Transaction ID for the Customer Recharge Transaction |
| TXNSTATUS | Transaction Status | 200 | 5 | M | Transaction Status i.e.  Transaction OK (200), failed other status |

* The Transaction status details explained in appendix.
* The value for TYPE tag is fixed as mentioned in syntax.

## Customer Recharge (Internet)

External system can send the recharge request of a Internet subscriber. The channel users can do recharge of a subscriber.

### XML Request Syntax

1. The External system will send the following request for Customer Recharge for internet. The request format and details of request are mentioned below.
2. **Request Syntax**
3. <?xml version="1.0"?>
4. <!DOCTYPE COMMAND PUBLIC "-//Ocam//DTD XML Command 1.0//EN" "xml/command.dtd">
5. <COMMAND>
6. <TYPE> INTRRCTRFREQ </TYPE>
7. <MSISDN1><Retailer MSISDN></MSISDN1>
8. <PIN><Retailer PIN></PIN>
9. <MSISDN2>< Payee MSISDN></MSISDN2>
10. <AMOUNT><Amount></AMOUNT>
11. <LANGUAGE1><Retailer Language></LANGUAGE1>
12. <LANGUAGE2><Payee Language></LANGUAGE2>
13. <NOTIFICATION\_MSISDN><Notification MSISDN></NOTIFICATION\_MSISDN>
14. <SELECTOR><Selector></SELECTOR>
15. </COMMAND>
16. **Fields Detail**

| TAG | Fields | Example | Max Length | Optional/Mandatory | Remarks |
| --- | --- | --- | --- | --- | --- |
| Type | INTRNTRCREQ | INTRNTRCREQ | 10 | M | Request Type |
| MSISDN1 | Retailer MSISDN | 9942222 | 15 | M | All MSISDN should be without country code.  (National dial format) |
| PIN | Retailer PIN | 3946 | 4 to 6 | O (Tag is mandatory) | Numeric Only. |
| ACCOUNTNUM | Internet Account Number | 9942223 | 15 | M | Numeric Only |
| AMOUNT | Amount | 100 | 10 | M | Numeric Only. |
| LANGUAGE1 | Retailer Language | 1 | 1 | O (Tag is mandatory) | Numeric only, Retailer Language Code  This code must be defined in PreTUPS system. |
| LANGUAGE2 | Payee Language | 1 | 1 | O (Tag is mandatory) | Numeric only, Payee Language Code  This code must be defined in PreTUPS system. |
| NOTIFICATION\_MSISDN | Notification MSISDN | 981239823 | 15 | M | MSISDN on which notification need to send. |
| SELECTOR | Selector | 1 | 10 | M | Selector should be numeric  1,2,3. |

* All tags are mandatory to be present in XML. If value is optional and tag must be present.
* The value for TYPE tag is fixed as mentioned in syntax.

### XML Response Syntax

1. PreTUPS will send following response (acknowledgement) to External system for Customer Recharge Request of Internet. The XML response details are mentioned below.
2. **Response Syntax**
3. <?xml version="1.0"?>
4. <!DOCTYPE COMMAND PUBLIC "-//Ocam//DTD XML Command 1.0//EN" "xml/command.dtd">
5. <COMMAND>
6. <TYPE>INTRNTRCRESP</TYPE>
7. <TXNID><Transaction ID></TXNID>
8. <TXNSTATUS><Transaction Status></TXNSTATUS>
9. </COMMAND>
10. **Fields Detail**

| TAG | Fields | Example | Max Length | Optional/Mandatory | Remarks |
| --- | --- | --- | --- | --- | --- |
| Type | INTRNTRCRESP | INTRNTRCRESP | 10 | M | Response Type |
| TXNID | Transaction ID | R070603.0112.0001 | 20 | M | Pretups Transaction ID for the Customer Recharge Transaction |
| TXNSTATUS | Transaction Status | 200 | 5 | M | Transaction Status i.e.  Transaction OK (200), failed other status |

* The Transaction status details explained in appendix.
* The value for TYPE tag is fixed as mentioned in syntax.

## International Roam Recharge

External system can send the roam recharge request for international customer. The channel users can do roam recharge of a subscriber.

### XML Request Syntax

1. The External system will send the following request for Roam Recharge for mobile. The request format and details of request are mentioned below.
2. **Request Syntax**
3. <?xml version="1.0"?>
4. <!DOCTYPE COMMAND PUBLIC "-//Ocam//DTD XML Command 1.0//EN" "xml/command.dtd">
5. <COMMAND>
6. <TYPE>ROAMRCREQ</TYPE>
7. <MSISDN1><Retailer MSISDN></MSISDN1>
8. <PIN><Retailer PIN></PIN>
9. <MSISDN2><Payee MSISDN></MSISDN2>
10. <AMOUNT><Amount></AMOUNT>
11. <LANGUAGE1><Retailer Language></LANGUAGE1>
12. </COMMAND>
13. **Fields Detail**

| TAG | Fields | Example | Max Length | Optional/Mandatory | Remarks |
| --- | --- | --- | --- | --- | --- |
| Type | ROAMRCREQ | ROAMRCREQ | 10 | M | Request Type |
| MSISDN1 | Retailer MSISDN | 9942222 | 15 | M | All MSISDN should be without country code.  (National dial format) |
| PIN | Retailer PIN | 3946 | 4 to 6 | O (Tag is mandatory) | Numeric Only. |
| MSISDN2 | Payee MSISDN | 00919810198223 | 15 | M | Numeric Only  With country code. Country Code prefixes with 00 |
| AMOUNT | Amount | 100 | 10 | M | Numeric Only. |
| LANGUAGE1 | Retailer Language | 1 | 1 | O (Tag is mandatory) | Numeric only, Retailer Language Code  This code must be defined in PreTUPS system. |

* All tags are mandatory to be present in XML. If value is optional and tag must be present.
* The value for TYPE tag is fixed as mentioned in syntax.

### XML Response Syntax

1. PreTUPS will send following response (acknowledgement) to External system for Roam Recharge Request. The XML response details are mentioned below.
2. **Response Syntax**
3. <?xml version="1.0"?>
4. <!DOCTYPE COMMAND PUBLIC "-//Ocam//DTD XML Command 1.0//EN" "xml/command.dtd">
5. <COMMAND>
6. <TYPE>ROAMRCRESP</TYPE>
7. <TXNID><Transaction ID></TXNID>
8. <TXNSTATUS><Transaction Status></TXNSTATUS>
9. </COMMAND>
10. **Fields Detail**

| TAG | Fields | Example | Max Length | Optional/Mandatory | Remarks |
| --- | --- | --- | --- | --- | --- |
| Type | ROAMRCRESP | ROAMRCRESP | 10 | M | Response Type |
| TXNID | Transaction ID | R070603.0112.0001 | 20 | M | PreTUPs Transaction ID for the Customer Recharge Transaction |
| TXNSTATUS | Transaction Status | 200 | 5 | M | Transaction Status i.e.  Transaction OK (200), failed other status |

* The Transaction status details explained in appendix.
* The value for TYPE tag is fixed as mentioned in syntax.

## International Airtime Transfer

External system can send the Airtime transfer request for international customer. The channel users can do International Airtime transfer of a subscriber.

### XML Request Syntax

1. The External system will send the following request for International Airtime Transfer for mobile. The request format and details of request are mentioned below.
2. **Request Syntax**
3. <?xml version="1.0"?>
4. <!DOCTYPE COMMAND PUBLIC "-//Ocam//DTD XML Command 1.0//EN" "xml/command.dtd">
5. <COMMAND>
6. <TYPE>INTLRCREQ</TYPE>
7. <MSISDN1><Retailer MSISDN></MSISDN1>
8. <PIN><Retailer PIN></PIN>
9. <MSISDN2><Payee MSISDN></MSISDN2>
10. <AMOUNT><Amount></AMOUNT>
11. <MSISDN3><Notification MSISDN></MSISDN3>
12. <LANGUAGE1><Retailer Language></LANGUAGE1>
13. <LANGUAGE2><Retailer Language></LANGUAGE2>
14. </COMMAND>
15. **Fields Detail**

| TAG | Fields | Example | Max Length | Optional/Mandatory | Remarks |
| --- | --- | --- | --- | --- | --- |
| Type | INTLRCREQ | INTLRCREQ | 10 | M | Request Type |
| MSISDN1 | Retailer MSISDN | 9942222 | 15 | M | All MSISDN should be without country code.  (National dial format) |
| PIN | Retailer PIN | 3946 | 4 to 6 | O (Tag is mandatory) | Numeric Only. |
| MSISDN2 | Payee MSISDN | 00919810198223 | 15 | M | Numeric Only  With country code. Country Code prefixes with 00 |
| AMOUNT | Amount | 100 | 10 | M | Numeric Only. |
| MSISDN3 | Notification MSISDN | 989898989 | 15 | M | All MSISDN should be without country code.  (National dial format) |
| LANGUAGE1 | Retailer Language | 1 | 1 | O (Tag is mandatory) | Numeric only, Retailer Language Code  This code must be defined in PreTUPS system. |
| LANGUAGE2 | Noticer  Language | 1 | 1 | O (Tag is mandatory) | Numeric only, Noticer Language Code.  This code must be defined in PreTUPS system. |

* All tags are mandatory to be present in XML. If value is optional and tag must be present.
* The value for TYPE tag is fixed as mentioned in syntax.

### XML Response Syntax

1. PreTUPS will send following response (acknowledgement) to External system for Roam Recharge Request. The XML response details are mentioned below.
2. **Response Syntax**
3. <?xml version="1.0"?>
4. <!DOCTYPE COMMAND PUBLIC "-//Ocam//DTD XML Command 1.0//EN" "xml/command.dtd">
5. <COMMAND>
6. <TYPE>INTLRCRESP</TYPE>
7. <TXNID><Transaction ID></TXNID>
8. <TXNSTATUS><Transaction Status></TXNSTATUS>
9. </COMMAND>
10. **Fields Detail**

| TAG | Fields | Example | Max Length | Optional/Mandatory | Remarks |
| --- | --- | --- | --- | --- | --- |
| Type | INTLRCRESP | INTLRCRESP | 10 | M | Response Type |
| TXNID | Transaction ID | R070603.0112.0001 | 20 | M | PreTUPS Transaction ID for the Customer Recharge Transaction |
| TXNSTATUS | Transaction Status | 200 | 5 | M | Transaction Status i.e.  Transaction OK (200), failed other status |

* The Transaction status details explained in appendix.
* The value for TYPE tag is fixed as mentioned in syntax.

## User Creation Using USSD Interface

PreTUPS will provide an additional service using this service any Channel user can create the child user from below hierarchy through USSD interface. Channel user will require the MSISDN of child user, category code, Parent MSISDN, User name and login Id.

### Request XML Syntax

The PRM system will send following request for User creation:

1. **Request Syntax:**
2. <? Xml version="1.0"?>
3. <! DOCTYPE COMMAND PUBLIC "-//Ocam//DTD XML Command1.0//EN" "xml/command.dtd">
4. <COMMAND>
5. <TYPE>ADDCHUSR</TYPE>
6. <MSISDN1>1200000152</MSISDN1>
7. <USERMSISDN>1200000319</USERMSISDN>
8. <LOGINID>TestLoginID</LOGINID>
9. <USERNAME>TestUserName</USERNAME>
10. <CATCODE>CAT1</CATCODE>
11. <PARENTMSISDN>1200000152</PARENTMSISDN>
12. <PIN>2468</PIN>
13. **<EMPCODE>3001</ EMPCODE >**
14. **<SSN>1002</SSN>**
15. **<EXTCODE>9999</EXTCODE>**
16. </COMMAND>
17. **Fields Detail**

| TAG | Fields | Example | Max Length | Optional/Mandatory | Remarks |
| --- | --- | --- | --- | --- | --- |
| 1. LOGINID | 1. User web login id | 1. Login Id user by new user to access web | 1. Test\_login | 1. A (20) | 1. M |
| 1. USERNAME | 1. User Name | 1. User Name of the new user | 1. Test\_name | 1. A (20) | 1. M |
| 1. CATCODE | 1. Category Code | 1. Category Code of the new user in which he/she will be. | 1. CORP | 1. A(10) | 1. M |
| 1. PARENTMSISDN | 1. Parent Msisdn | 1. Msisdn of the user under which new user will be created | 1. 9910012341 | 1. A (10), 2. numeric | 1. M |
| 1. PIN | 1. User PIN | 1. PIN of the user who is going to create the user. | 1. 2468 | 1. A(4), | 1. M |
| 1. Employ code | 1. Employee Code | 1. It will be the employee code of the new user | 1. 3001 | 1. A(12) | 1. O |
| 1. SSN | 1. SSN number | 1. This will be the SSN of the new user | 1. 1003 | 1. A(15) | 1. O |
| 1. External code | 1. External Code | 1. This will be the external code of the new user. | 1. 9999 | 1. A(20) | 1. O |

* All tags are mandatory to be present in XML. If value is optional and tag must be present.
* The value for TYPE tag is fixed as mentioned in syntax.

### XML Response Syntax

1. **Response XML Syntax**

<? xml version=\"1.0\"?>

<! DOCTYPE COMMAND PUBLIC \"-//Ocam//DTD XML Command 1.0//EN\" \"xml/command.dtd\">

<COMMAND>

<TYPE>ADDCHUSRRESP</TYPE>

<TXNSTATUS> 200</TXNSTATUS>

</COMMAND>

1. **Fields Detail**

| TAG | Fields | Example | Max Length | Optional/Mandatory | Remarks |
| --- | --- | --- | --- | --- | --- |
| TYPE | Response type | Response Type | ADDCHUSRRESP | C (15) | M |
| TXNSTATUS | Transaction Status | Status of the User registration request   * Transaction Status = 200 means Success, * Transaction Status Other than 200 means failed | 200 | N (7) | M |

* The Transaction status details explained in appendix.
* The value for TYPE tag is fixed as mentioned in syntax.

## User Deletion Using USSD Interface

PreTUPS will provide an additional service using this service any Channel user can delete the child user from below hierarchy through USSD interface. Channel user can delete the child user of any level from below hierarchy. Channel user will require the external code or user Msisdn of child user. Approval is not required if the channel user is deleted by using USSD interface.

### XML Request Syntax

1. The PRM System will send the following request for Deletion. The request format and details of request are mentioned below.
2. **Request Syntax**

<? Xml version="1.0"?>

<COMMAND>

<TYPE>CHUSRDELREQ</TYPE>

<EXTNWCODE>***<Network External Code of the new channel user>***</EXTNWCODE>

<DATE><Current date></DATE>

<MSISDN><Mobile Number of User></MSISDN>

<PIN><Sender user Pin></PIN>

<USRMSISDN><Primary Mobile Number of Child User For Deletion></USRMSISDN>

<USREXTCODE>***<External code of Child user>***</EXTERNALCODE>

<USRLOGINID><Child user login id></USRLOGINID>

</COMMAND>

1. **Fields Detail**

| TAG | Fields | Example | Max Length | Optional/Mandatory | Remarks |
| --- | --- | --- | --- | --- | --- |
| TYPE | Request type | Request Type, should be sent with each request  Note: Fixed value | CHUSRDELREQ | A (15) | M |
| EXTNWCODE | Network code | Network code of the channel user | ET Note: Change according to network | A (10) | M |
| DATE | Date | Current date | 13-09-10 | A (10) | O |
| MSISDN | User MSISDN | Channel user Msisdn who is going to delete child user | 9910012345 | A (10), Numeric | M |
| PIN | Sender user Pin | Sender user pin | 1357` | A(4) ,Numeric | M |
| AND | | | | | |
| USRMSISDN | User MSISDN | User Msisdn which is going to be deleted by channel user | 9910012346 | A (10), Numeric | M |
| AND | | | | | |
| USRMSISDN | User MSISDN | User Msisdn which is going to be deleted by channel user | 9910012346 | A (10), Numeric | M |
| OR | | | | | |
| USREXTCODE | User External code | User External code which is going to be deleted by channel user | EXT00123 | A(20) , Alpha numeric | M |
| OR | | | | | |
| USRLOGINID | Child user login id | Login id of child user which is going to be deleted by channel user | Dist\_test | A(20) ,Alpha numeric | M |

* Note: From USRMSISDN or USREXTCODE or USRLOGINID, one field value is mandatory.
* All tags are mandatory to be present in XML. If value is optional and tag must be present.
* The value for TYPE tag is fixed as mentioned in syntax.

### XML Response Syntax

1. PreTUPS send the acknowledgement back to channel user about the transaction status. The acknowledgement will be in XML format. The XML response details are mentioned below.
2. **Response Syntax**

<? Xml version="1.0"?>

<COMMAND>

<TYPE>CHUSRDELRESP</TYPE>

<TXNSTATUS>***<Transaction Status>***</TXNSTATUS>

<MESSAGE><***Error Message***></MESSAGE>

</COMMAND>

1. **Fields Detail**

| TAG | Fields | Example | Max Length | Optional/Mandatory | Remarks |
| --- | --- | --- | --- | --- | --- |
| TYPE | Response type | Response Type | CHUSRDELRESP | C (15) | M |
| TXNSTATUS | Transaction Status | Status of the User registration request   * Transaction Status=200 means Success, * Transaction Status Other than 200 means failed | 200 | N (7) | M |
| MESSAGE | Error message | Error message in case of failure in user registration | Message test | A (250) | O |

* All tags are mandatory to be present in XML. If value is optional and tag must be present.
* The value for TYPE tag is fixed as mentioned in syntax.

## CRBT Registration

### XML Request Syntax

USSD server will send CRBT registration services request to PreTUPS in the following format:

1. **Request Syntax**

<? Xml version="1.0"?>

<! DOCTYPE COMMAND PUBLIC "-//Ocam//DTD XML Command 1.0//EN" "xml/command.dtd">

<COMMAND>

<TYPE>CRBTACREQ</TYPE>

<MSISDN1><Retailer MSISDN></MSISDN1>

<PIN><Retailer PIN></PIN>

<MSISDN2>< Payee MSISDN></MSISDN2>

<AMOUNT><Amount></AMOUNT>

<LANGUAGE1><Retailer Language></LANGUAGE1>

<LANGUAGE2><Payee Language></LANGUAGE2>

</COMMAND>

**Fields Detail**

| TAG | Fields | Example | Max Length | Optional/Mandatory | Remarks |
| --- | --- | --- | --- | --- | --- |
| Type | CRBTACREQ | CRBTACREQ | 10 | M | Request Type |
| MSISDN1 | Retailer MSISDN | 9942222 | 15 | M | All MSISDN should be without country code.  (National dial format) |
| PIN | Retailer PIN | 3946 | 4 to 6 | O | Numeric Only. Default “0000” will be considered if not specified |
| MSISDN2 | Payee MSISDN | 9942223 | 15 | M | Numeric and without country code. |
| AMOUNT | Amount | 100 | 10 | M | Numeric Only. |
| LANGUAGE1 | Retailer Language | 1 | 1 | O (Tag is mandatory) | Numeric only, Retailer Language Code  This code must be defined in PreTUPS system. |
| LANGUAGE2 | Payee Language | 1 | 1 | O (Tag is mandatory) | Numeric only, Payee Language Code  This code must be defined in PreTUPS system. |

* All tags are mandatory to be present in XML. If value is optional and tag must be present.
* The value for TYPE tag is fixed as mentioned in syntax.

### XML Response Syntax

PreTUPS will send following response (acknowledgement) to USSD for CRBT registration Request. The XML response details are mentioned below.

**Response Syntax**

<? Xml version="1.0"?>

<! DOCTYPE COMMAND PUBLIC "-//Ocam//DTD XML Command 1.0//EN" "xml/command.dtd">

<COMMAND>

<TYPE>CRBTACRESP</TYPE>

<TXNID><Transaction ID></TXNID>

<TXNSTATUS><Transaction Status></TXNSTATUS>

</COMMAND>

**Fields Detail**

| TAG | Fields | Example | Max Length | Optional/Mandatory | Remarks |
| --- | --- | --- | --- | --- | --- |
| Type | CRBTACRESP | CRBTACRESP | 10 | M | Response Type |
| TXNID | Transaction ID | R070603.0112.0001 | 20 | M | PreTUPS Transaction ID for the Registration Transaction |
| TXNSTATUS | Transaction Status | 200 | 5 | M | Transaction Status i.e.  Transaction OK (200), failed other status |

* The Transaction status details explained in appendix.
* The value for TYPE tag is fixed as mentioned in syntax.

## CRBT Song Selection

### XML Request Syntax

USSD server will send CRBT Song Selection services request to PreTUPS in the following format:

1. **Request Syntax**

<? Xml version="1.0"?>

<! DOCTYPE COMMAND PUBLIC "-//Ocam//DTD XML Command 1.0//EN" "xml/command.dtd">

<COMMAND>

<TYPE>CRBTSGREQ</TYPE>

<MSISDN1><Retailer MSISDN></MSISDN1>

<PIN><Retailer PIN></PIN>

<MSISDN2>< Payee MSISDN></MSISDN2>

<AMOUNT><Amount></AMOUNT>

<LANGUAGE1><Retailer Language></LANGUAGE1>

<LANGUAGE2><Payee Language></LANGUAGE2>

<SONGCODE><Payee Language></SONGCODE>

</COMMAND>

**Fields Detail**

| TAG | Fields | Example | Max Length | Optional/Mandatory | Remarks |
| --- | --- | --- | --- | --- | --- |
| Type | CRBTSGREQ | CRBTSGREQ | 10 | M | Request Type |
| MSISDN1 | Retailer MSISDN | 9942222 | 15 | M | All MSISDN should be without country code.  (National dial format) |
| PIN | Retailer PIN | 3946 | 4 to 6 | O | Numeric Only. Default “0000” will be considered if not specified |
| MSISDN2 | Payee MSISDN | 9942223 | 15 | M | Numeric and without country code. |
| AMOUNT | Amount | 100 | 10 | M | Numeric Only. |
| LANGUAGE1 | Retailer Language | 1 | 1 | O (Tag is mandatory) | Numeric only, Retailer Language Code  This code must be defined in PreTUPS system. |
| LANGUAGE2 | Payee Language | 1 | 1 | O (Tag is mandatory) | Numeric only, Payee Language Code  This code must be defined in PreTUPS system. |
| SONGCODE | Song code | 1001 | 4 | M | Song code |

* All tags are mandatory to be present in XML. If value is optional and tag must be present.
* The value for TYPE tag is fixed as mentioned in syntax.

### XML Response Syntax

PreTUPS will send following response (acknowledgement) to USSD for CRBT Song Selection Request. The XML response details are mentioned below.

1. **Response Syntax**

<? Xml version="1.0"?>

<! DOCTYPE COMMAND PUBLIC "-//Ocam//DTD XML Command 1.0//EN" "xml/command.dtd">

<COMMAND>

<TYPE> CRBTSGRESP</TYPE>

<TXNID><Transaction ID></TXNID>

<TXNSTATUS><Transaction Status></TXNSTATUS>

</COMMAND>

**Fields Detail**

| TAG | Fields | Example | Max Length | Optional/Mandatory | Remarks |
| --- | --- | --- | --- | --- | --- |
| Type | CRBTSGRESP | CRBTSGRESP | 10 | M | Response Type |
| TXNID | Transaction ID | R070603.0112.0001 | 20 | M | PreTUPS Transaction ID for the Song Selection Transaction |
| TXNSTATUS | Transaction Status | 200 | 5 | M | Transaction Status i.e.  Transaction OK (200), failed other status |

* All tags are mandatory to be present in XML. If value is optional and tag must be present.
* The value for TYPE tag is fixed as mentioned in syntax.

## Private Recharge

Private recharge is required in the countries in which customer does not want to share or disclose his/her MSIDSN with any channel user for recharging. It is because of his/her personnel privacy. It mostly happens in Middle East countries where any woman would not like to share her MSISDN.

### Private recharge registration/Modification

1. Any subscribers who want to use private recharge service; they must be register in PreTUPS system with subscriber identification number (SID). For SID registration they can use this service

### XML Request Syntax

1. **Request Syntax**
2. <?xml version="1.0"?>
3. <COMMAND>
4. <TYPE>SIDREQ</TYPE>
5. <MSISDN><Sender MSISDN></MSISDN>
6. <SID><UniqueSubscriber identification number ></SID>
7. <NEWSID><UniqueSubscriber identification number ></NEWSID>
8. <LANGUAGE1>0</LANGUAGE1>
9. </COMMAND>
10. **Fields Detail**

| TAG | Fields | Example | Max Length | Optional/Mandatory | Remarks |
| --- | --- | --- | --- | --- | --- |
| TYPE | SIDREQ | SIDREQ | 15 | M | Request Type |
| MSISDN | < Sender MSISDN > | 9810974621 | 15 | M | Sender Mobile number |
| SID | UniqueSubscriber identification number | 1111111 | 15 | O | If subscriber put some value then it must be unique in PreTUPS system.  If subscriber left blank then PreTUPS will generate unique SID and notify to subscriber. |
| NEWSID | UniqueSubscriber identification number | 1111112 | 15 | O | If subscriber put some value then it must be unique in PreTUPS system.  If subscriber left blank then PreTUPS will generate unique SID and notify to subscriber. |

* All tags are mandatory to be present in XML. If value is optional and tag must be present.
* The value for TYPE tag is fixed as mentioned in syntax.

### XML Response Syntax

1. PreTUPS send the acknowledgement to the USSD system about subscriber identification number (Private recharge code) of the subscriber with transaction status.
2. The acknowledgement will be in XML and send as response of the request. The XML response details are mentioned below.
3. **Response Syntax**
4. <?xml version="1.0"?>
5. <COMMAND>
6. <TYPE>SIDRESP</TYPE>
7. <TXNSTATUS><Transaction Status></TXNSTATUS>
8. <MESSAGE><Error Message></MESSAGE>
9. </COMMAND>
10. **Fields Detail**

| TAG | Fields | Example | Max Length | Optional/Mandatory | Remarks |
| --- | --- | --- | --- | --- | --- |
| TYPE | SIDRESP | SIDRESP | 15 | M | Response Type |
| TXNSTATUS | <Transaction Status> | 200 | 5 | M | Transaction Status i.e.  Transaction OK (200), failed other status |
| MESSAGE | <Error Message> | Success | 250 | O | Transaction Status descriptions |

* The Transaction status details explained in appendix.
* The value for TYPE tag is fixed as mentioned in syntax.

### Private recharge De-activation

1. Any subscribers, who want to de-activate itself from PreTUPS system for SID, can use this service on USSD bearer.

### XML Request Syntax

1. The request format and details of request are mentioned below.
2. **Request Syntax**
3. <?xml version="1.0"?>
4. <COMMAND>
5. <TYPE> DELSID</TYPE>
6. <MSISDN><Subscriber MSISDN></MSISDN>
7. <SID><Subscriber identification number ></SID>
8. </COMMAND>
9. **Fields Detail**

| TAG | Fields | Example | Max Length | Optional/Mandatory | Remarks |
| --- | --- | --- | --- | --- | --- |
| TYPE | DELSID | DELSID | 15 | M | Request Type |
| MSISDN | < Subscriber MSISDN > | 9810974622 | 15 | M | Subscriber Mobile number |
| SID | Subscriber identification number | 1111111 | 15 | M |  |

* All tags are mandatory to be present in XML. If value is optional and tag must be present.
* The value for TYPE tag is fixed as mentioned in syntax.

### XML Response Syntax

1. PreTUPS send the acknowledgement to the USSD system for subscriber with transaction status.
2. The acknowledgement will be in XML and send as response of the request. The XML response details are mentioned below.
3. **Response Syntax**
4. <?xml version="1.0"?>
5. <COMMAND>
6. <TYPE>SIDDELRESP</TYPE>
7. <TXNSTATUS><Transaction Status></TXNSTATUS>
8. <MESSAGE><Error Message></MESSAGE>
9. </COMMAND>
10. **Fields Detail**

| TAG | Fields | Example | Max Length | Optional/Mandatory | Remarks |
| --- | --- | --- | --- | --- | --- |
| TYPE | SIDDELRESP | SIDDELRESP | 15 | M | Response Type |
| TXNSTATUS | <Transaction Status> | 200 | 5 | M | Transaction Status i.e.  Transaction OK (200), failed other status |
| MESSAGE | <Error Message> | Success | 250 | O | Transaction Status descriptions |

### Subscriber identification number (SID) enquiry

1. Subscribers could get SID from PreTUPS system by using USSD.

### XML Request Syntax

1. The request format and details of request are mentioned below
2. **Request Syntax**
3. <?xml version="1.0"?>
4. <COMMAND>
5. <TYPE>ENQSID </TYPE>
6. <MSISDN><Subscriber MSISDN></MSISDN>
7. </COMMAND>
8. **Fields Detail**

| TAG | Fields | Example | Max Length | Optional/Mandatory | Remarks |
| --- | --- | --- | --- | --- | --- |
| TYPE | ENQSID | ENQSID | 15 | M | Request Type |
| MSISDN | < Subscriber MSISDN > | 9810974622 | 15 | M | Subscriber Mobile number |

* All tags are mandatory to be present in XML. If value is optional and tag must be present.
* The value for TYPE tag is fixed as mentioned in syntax.

### XML Response Syntax

1. PreTUPS send the acknowledgement to the USSD system for subscriber with transaction status.
2. The acknowledgement will be in XML and send as response of the request. The XML response details are mentioned below.
3. **Response Syntax**
4. <?xml version="1.0"?>
5. <COMMAND>
6. <TYPE>SIDENQRESP</TYPE>
7. <TXNSTATUS><Transaction Status></TXNSTATUS>
8. <SID>Subscriber Alias</SID>
9. <MESSAGE>Error Message</MESSAGE>
10. </COMMAND>
11. **Fields Detail**

| TAG | Fields | Example | Max Length | Optional/Mandatory | Remarks |
| --- | --- | --- | --- | --- | --- |
| TYPE | SIDENQRESP | SIDENQRESP | 15 | M | Response Type |
| TXNSTATUS | <Transaction Status> | 200 | 5 | M | Transaction Status i.e.  Transaction OK (200), failed other status |
| MESSAGE | <Error Message> | Success | 250 | O | Transaction Status descriptions |

* The Transaction status details explained in appendix.
* The value for TYPE tag is fixed as mentioned in syntax.

## C2S Last X transfer report

1. Through USSD interface a retailer user can enquire about the last X C2S transfers report for last N days. Last X transfers is configurable at system level (Preference: LAST\_X\_RECHARGE\_STATUS)
2. Last N days is configurable at system level (Preference: LAST\_X\_TRF\_DAYS\_NO)

### XML Request Syntax

1. The External system will send the following request for C2S Last X transfer report. The request format and details of request are mentioned below.
2. **Request Syntax**
3. <?xml version="1.0"?>
4. <!DOCTYPE COMMAND PUBLIC "-//Ocam//DTD XML Command 1.0//EN" "xml/command.dtd">
5. <COMMAND>
6. <TYPE>LXC2STSREQ</TYPE>
7. <MSISDN1>><Retailer MSISDN></MSISDN1>
8. <PIN><Retailer PIN></PIN>
9. </COMMAND>
10. **Fields Detail**

| 1. **TAG** | 1. **Fields** | 1. **Example** | 1. **Max Length** | 1. **Optional/Mandatory** | 1. **Remarks** |
| --- | --- | --- | --- | --- | --- |
| 1. Type | 1. LXC2STSREQ | 1. LXC2STSREQ | 1. 10 | 1. M | 1. Request Type |
| 1. MSISDN1 | 1. Retailer MSISDN | 1. 9942222 | 1. 15 | 1. M | 1. All MSISDN should be without country code. 2. (National dial format) |
| 1. PIN | 1. Retailer PIN | 1. 3946 | 1. 4 to 6 | 1. O | 1. Numeric Only. Default “0000” will be considered if not specified |

* All tags are mandatory to be present in XML. If value is optional and tag must be present.
* The value for TYPE tag is fixed as mentioned in syntax.

### XML Response Syntax

1. PreTUPS will send following response (acknowledgement) to External system for C2S Last X transfer report Request. The XML response details are mentioned below.
2. **Response Syntax**
3. <?xml version="1.0"?>
4. <!DOCTYPE COMMAND PUBLIC "-//Ocam//DTD XML Command 1.0//EN" "xml/command.dtd">
5. <COMMAND>
6. <TYPE>LXC2STSRESP</TYPE>
7. <TXNSTATUS><Transaction Status></TXNSTATUS>
8. </COMMAND>
9. **Fields Detail**

| 1. **TAG** | 1. **Fields** | 1. **Example** | 1. **Max Length** | 1. **Optional/Mandatory** | 1. **Remarks** |
| --- | --- | --- | --- | --- | --- |
| 1. Type | 1. LXC2STSRESP | 1. LXC2STSRESP | 1. 10 | 1. M | 1. Response Type |
| 1. TXNSTATUS | 1. Transaction Status | 1. 200 | 1. 5 | 1. M | 1. Transaction Status i.e. 2. Transaction OK (200), failed other status |

* The Transaction status details explained in appendix.
* The value for TYPE tag is fixed as mentioned in syntax.

## C2C, O2C Last X transfer report

1. Through USSD interface a retailer user can enquire about the last X O2C, C2C transfers report for last N days. Last X transfers is configurable at system level (Preference: LAST\_X\_TRANSFER\_STATUS)
2. Last N days is configurable at system level (Preference: LAST\_X\_TRF\_DAYS\_NO).

### XML Request Syntax

1. The External system will send the following request for O2C, C2C Last X transfer report. The request format and details of request are mentioned below.
2. **Request Syntax**
3. <?xml version="1.0"?>
4. <!DOCTYPE COMMAND PUBLIC "-//Ocam//DTD XML Command 1.0//EN" "xml/command.dtd">
5. <COMMAND>
6. <TYPE> LXTSREQ</TYPE>
7. <MSISDN1>><Retailer MSISDN></MSISDN1>
8. <PIN><Retailer PIN></PIN>
9. </COMMAND>
10. **Fields Detail**

| 1. **TAG** | 1. **Fields** | 1. **Example** | 1. **Max Length** | 1. **Optional/Mandatory** | 1. **Remarks** |
| --- | --- | --- | --- | --- | --- |
| 1. Type | 1. LXTSREQ | 1. LXTSREQ | 1. 10 | 1. M | 1. Request Type |
| 1. MSISDN1 | 1. Retailer MSISDN | 1. 9942222 | 1. 15 | 1. M | 1. All MSISDN should be without country code. 2. (National dial format) |
| 1. PIN | 1. Retailer PIN | 1. 3946 | 1. 4 to 6 | 1. O | 1. Numeric Only. Default “0000” will be considered if not specified |

* All tags are mandatory to be present in XML. If value is optional and tag must be present.
* The value for TYPE tag is fixed as mentioned in syntax.

### XML Response Syntax

1. Pretups will send following response (acknowledgement) to External system for C2S Last X transfer report Request. The XML response details are mentioned below.
2. **Response Syntax**
3. <?xml version="1.0"?>
4. <!DOCTYPE COMMAND PUBLIC "-//Ocam//DTD XML Command 1.0//EN" "xml/command.dtd">
5. <COMMAND>
6. <TYPE> LXTSRESP</TYPE>
7. <TXNSTATUS><Transaction Status></TXNSTATUS>
8. </COMMAND>
9. **Fields Detail**

| 1. **TAG** | 1. **Fields** | 1. **Example** | 1. **Max Length** | 1. **Optional/Mandatory** | 1. **Remarks** |
| --- | --- | --- | --- | --- | --- |
| 1. Type | 1. LXTSRESP | 1. LXTSRESP | 1. 10 | 1. M | 1. Response Type |
| 1. TXNSTATUS | 1. Transaction Status | 1. 200 | 1. 5 | 1. M | 1. Transaction Status i.e. 2. Transaction OK (200), failed other status |

* The Transaction status details explained in appendix.
* The value for TYPE tag is fixed as mentioned in syntax.

## 3. 40 LMS Points Enquiry

1. **Request Message Parameters**

# Request Syntax

DATA=<?xml version="1.0"?><!DOCTYPE COMMAND PUBLIC "-//Ocam//DTD XML Command 1.0//EN" "xml/command.dtd">

<COMMAND>

<TYPE>LMSPTENQ</TYPE>

<PRODUCTCODE>Product short code of product</PRODUCTCODE>

<EXTNWCODE>NG</EXTNWCODE>

<DATE></DATE>

<MSISDN>7225545645</MSISDN>

<PIN>2468</PIN>

</COMMAND>

| TAG | Fields | Remarks | Example | Field Type | Optional/  Mandatory |
| --- | --- | --- | --- | --- | --- |
| TYPE | Request type | Request Type, should be sent with each request – fixed | LMSPTENQ | A (20) | M(Tag is mandatory) |
| PRODUCTCODE | 101 | 101-voiceTopUP  102-dataTopUP  104-weinakTopUP  105-vasTopUP  106-mixTopUP | 3 | O | Product short code should be provided if specific product is being used. |
| EXTNWCODE | External Network Code | External Network Code of the User Should be sent to in the request | NG | A (20) | M(Tag is mandatory) |
| DATE | Date and time | Date and time on which request was sent by external system, HH are in 24 Hour Format | DD/MM/YYYY HH24:MI:SS | D (20) | M(Tag is mandatory) |
| MSISDN | User MSISDN | User MSISDN Should Be sent, All MSISDN should be in national dial format i.e. with out country code. | 9560058523 | N(20) | M(Tag is mandatory) |
| PIN | USER PIN | Pin of the User | 2468 | N(10) | M(Tag is mandatory) |
|  |  |  |  |  |  |

# Response Syntax

<?xml version="1.0"?>

<COMMAND>

<TYPE>LMSPTENQRES</TYPE>

<DATE>10/03/2015 16:00:56</DATE>

<TXNSTATUS>200</TXNSTATUS>

<POINTS> ETOPUP:90</POINTS>

<MESSAGE>Your Total Loyalty Points are 90</MESSAGE>

</COMMAND>

Field Details

| TAG | Fields | Remarks | Example | Field Type | Optional/  Mandatory |
| --- | --- | --- | --- | --- | --- |
| TYPE | Request type | Request Type, should be sent with each request – fixed | LMSPTENQRES | A (20) | M |
| DATE | Date and time | Date and time on which request was sent by external system, HH are in 24 Hour Format | DD/MM/YYYY HH24:MI:SS | D (20) | O (Tag is mandatory) |
| TXNSTATUS | Transaction Status | Status of the request   * Transaction Status= 200 means Success, * Transaction Status Other than 200 means failed | 200 | N(10) | M |
| POINTS | Loyalty points | Used to identify Voucher Serial Number | 100 | A(10) | M |
| MESSAGE | Message | Message to be displayed |  | A (500) | O  (Tag is mandatory) |

## 

## 3.41 LMS Points Redemption

# Request Syntax

DATA=<?xml version="1.0"?><!DOCTYPE COMMAND PUBLIC "-//Ocam//DTD XML Command 1.0//EN" "xml/command.dtd">

<COMMAND>

<TYPE>LMSPTRED</TYPE>

<PRODUCTCODE>Product short code of product</PRODUCTCODE>

<EXTNWCODE>NG</EXTNWCODE>

<DATE>14/03/25</DATE>

<MSISDN></MSISDN>

<PIN></PIN>

<POINTS>100</POINTS>

</COMMAND>

| TAG | Fields | Remarks | Example | Field Type | Optional/  Mandatory |
| --- | --- | --- | --- | --- | --- |
| TYPE | Request type | Request Type, should be sent with each request – fixed | LMSPTRED | A (20) | M(Tag is mandatory) |
| PRODUCTCODE | 101 | 101-voiceTopUP  102-dataTopUP  104-weinakTopUP  105-vasTopUP  106-mixTopUP | 3 | O(Tag is mandatory) | Product short code should be provided if specific product is being used. |
| EXTNWCODE | External Network Code | External Network Code of the User Should be sent to in the request | NG | A (20) | M (Tag is mandatory) |
| DATE | Date and time | Date and time on which request was sent by external system, HH are in 24 Hour Format | DD/MM/YYYY HH24:MI:SS | D(10) | M(Tag is mandatory) |
| MSISDN | User MSISDN | User MSISDN Should Be sent, All MSISDN should be in national dial format i.e. with out country code. | 9560058253 | N(20) | M(Tag is mandatory) |
| PIN | USER PIN | Pin of the User | 2569 | N(10) | M(Tag is mandatory) |
| POINTS | Points to be redeemed | This value should be numeric only | 100 | N(20) | M(Tag is mandatory) |
|  |  |  |  |  |  |

# Response Syntax

<?xml version="1.0"?>

<COMMAND>

<TYPE>LMSPTREDRES</TYPE>

<DATE>10/03/2015 15:59:33</DATE>

<TXNSTATUS>200</TXNSTATUS>

<REDTXNID>LMS150310.1559.1201</REDTXNID>

<REMPOINTS>90</REMPOINTS>

<CREDITEDAMOUNT>5</CREDITEDAMOUNT>

<MESSAGE>Your Current Loyalty Points are 90 Credited Amount is 5 and Redemption Transaction ID is LMS150310.1559.1201 from product wallet ETOPUP.</MESSAGE>

</COMMAND>

Field Details

| TAG | Fields | Remarks | Example | Field Type | Optional/  Mandatory |
| --- | --- | --- | --- | --- | --- |
| TYPE | Request type | Request Type, should be sent with each request – fixed | LMSPTREDRES | A (20) | M |
| DATE | Date and time | Date and time on which request was sent by external system, HH are in 24 Hour Format | DD/MM/YYYY HH24:MI:SS | D (20) | O (Tag is mandatory) |
| TXNSTATUS | Transaction Status | Status of the request   * Transaction Status= 200 means Success, * Transaction Status Other than 200 means failed | 200 | N(10) | M |
| REDTXNID | RedTransaction ID | PreTUPS Tedemption Transaction ID n | R080912.1212.1234 | 20 | M |
| CREDITEDAMOUNT | Credited Amount | Numeric Only. | 100 | 10 | M |
| REMPOINTS | Remaining Loyalty points | Remaining Loyalty Points | 100 | N(10) | M |
| MESSAGE | Message | Message to be displayed |  | A (500) | O  (Tag is mandatory) |

## 3.42 SELF TPIN RESET

1. As a retailer user, system should allow to reset the TPIN using USSD menu so that retailer can reset the password by answering the a question from profile plus an OTP.

### 3.42.1 XML Request Syntax

1. The system will send the following request for to initiate PIN reset.
2. **Request Syntax**
3. <?xml version="1.0"?><!DOCTYPE COMMAND PUBLIC "-//Ocam//DTD XML Command 1.0//EN""xml/command.dtd">
4. <COMMAND>
5. <TYPE>INPRESET</TYPE>
6. <MSISDN><***MSISDN></***MSISDN>
7. </COMMAND>
8. **Fields Detail**

| 1. **TAG** | 1. **Fields** | 1. **Example** | 1. **Max Length** | 1. **Optional/Mandatory** | 1. **Remarks** |
| --- | --- | --- | --- | --- | --- |
| 1. Type | 1. INPRESET | 1. INPRESET | 1. 10 | 1. M | 1. Request Type |
| 1. MSISDN | 1. Retailer MSISDN | 1. 7234568622 | 1. 15 | 1. M | 1. All MSISDN should be without country code. 2. (National dial format) |

### 3.42.2 XML Response Syntax

1. PreTUPS will send following response to the system which will need further request to be initiated.
2. **Response Syntax**
3. <?xmlversion="1.0"?>
4. <COMMAND>
5. <TYPE>INPRESET</TYPE>
6. <TXNSTATUS>200</TXNSTATUS>
7. <MESSAGE>Kindly respond with the security answer. What is your SHORT\_NAME?
8. </MESSAGE>
9. </COMMAND>
10. **Fields Detail**

| 1. **TAG** | 1. **Fields** | 1. **Example** | 1. **Max Length** | 1. **Optional/Mandatory** | 1. **Remarks** |
| --- | --- | --- | --- | --- | --- |
| 1. Type | 1. INPRESET | 1. INPRESET | 1. 10 | 1. M | 1. Response Type |
| 1. TXNSTATUS | 1. Transaction Status | 1. 200 | 1. 5 | 1. M | 1. Transaction Status i.e. 2. Transaction OK (200), failed other status |
| 1. MESSAGE | 1. Security Question | 1. Kindly respond with the security answer. What is your SHORT\_NAME? | 1. 300 | 1. M | 1. The message will display the security question to be answered in the next request. The security question value like "short name" can be set in Constants.props. |

### 3.42.3 XML Request Syntax

1. The system will send the following request for PIN reset.
2. **Request Syntax**
3. <?xml version="1.0"?><!DOCTYPE COMMAND PUBLIC "-//Ocam//DTD XML Command 1.0//EN""xml/command.dtd">
4. <COMMAND>
5. <TYPE>PRESET</TYPE>
6. <MSISDN>***<MSISDN>***<***/***MSISDN>
7. <OTP>***<OTP>***</OTP>
8. <ANSWER>***<ANSWER>***</ANSWER>
9. <NEWPIN>***<PIN>***</NEWPIN>
10. <CONFIRMNEWPIN>***<PIN>***</CONFIRMNEWPIN>
11. </COMMAND>
12. **Fields Detail**

| 1. **TAG** | 1. **Fields** | 1. **Example** | 1. **Max Length** | 1. **Optional/Mandatory** | 1. **Remarks** |
| --- | --- | --- | --- | --- | --- |
| 1. Type | 1. PRESET | 1. PRESET | 1. 10 | 1. M | 1. Request Type |
| 1. MSISDN | 1. Retailer MSISDN | 1. 7200007777 | 1. 15 | 1. M | 1. All MSISDN should be without country code. 2. (National dial format) |
| 1. OTP | 1. OTP | 1. 672145 | 1. Configurable | 1. M | 1. OTP |
| 1. ANSWER | 1. Security question answer | 1. Ron | 1. Depends on the length of column used as security question from USERS table | 1. M | 1. Security question answer |
| 1. NEWPIN | 1. New pin | 1. 1759 | 1. Configurable | 1. M | 1. New pin |
| 1. CONFIRMNEWPIN | 1. Confirm new pin | 1. 1759 | 1. Configurable | 1. M | 1. Confirm new pin |

### 3.42.4 XML Response Syntax

1. PreTUPS will send following response to the system once the PIN is changed successfully.
2. **Response Syntax**
3. <?xml version="1.0"?>
4. <COMMAND>
5. <TYPE>PINRESET</TYPE>
6. <TXNSTATUS>200</TXNSTATUS>
7. <MESSAGE>Your PIN has been changed successfully.</MESSAGE>
8. </COMMAND>
9. **Fields Detail**

| 1. **TAG** | 1. **Fields** | 1. **Example** | 1. **Max Length** | 1. **Optional/Mandatory** | 1. **Remarks** |
| --- | --- | --- | --- | --- | --- |
| 1. Type | 1. PINRESET | 1. PINRESET | 1. 10 | 1. M | 1. Response Type |
| 1. TXNSTATUS | 1. Transaction Status | 1. 200 | 1. 5 | 1. M | 1. Transaction Status i.e. 2. Transaction OK (200), failed other status |
| 1. MESSAGE | 1. Message | 1. Your PIN has been changed successfully | 1. 300 | 1. M |  |

### 3.42.5 XML Request Syntax

1. The system will send the following request for to update user data for security question.
2. **Request Syntax**
3. xml version="1.0"?><!DOCTYPE COMMAND PUBLIC "-//Ocam//DTD XML Command 1.0//EN""xml/command.dtd">
4. <COMMAND>
5. <TYPE>DUPDATE</TYPE>
6. <MSISDN>***<MSISDN>***</MSISDN>
7. <PIN>***<PIN>***</PIN>
8. <SHORTNAME>***<Short name>***</SHORTNAME>
9. <CONTACTPERSON>***<Contact person>***</CONTACTPERSON>
10. <SUBSCRIBERCODE>***<Subscriber code>***</SUBSCRIBERCODE>
11. <APPOINTMENTDATE>***<Appointment date>***</APPOINTMENTDATE>
12. <SSN>***<SSN>***</SSN>
13. </COMMAND>
14. **Fields Detail**

| 1. **TAG** | 1. **Fields** | 1. **Example** | 1. **Max Length** | 1. **Optional/Mandatory** | 1. **Remarks** |
| --- | --- | --- | --- | --- | --- |
| 1. Type | 1. DUPDATE | 1. DUPDATE | 1. 10 | 1. M | 1. Request Type |
| 1. MSISDN | 1. Retailer MSISDN | 1. 7200007777 | 1. 15 | 1. M | 1. All MSISDN should be without country code. 2. (National dial format) |
| 1. PIN | 1. PIN | 1. 1357 | 1. 10 | 1. M |  |
| 1. SHORTNAME | 1. Short name of channel user | 1. Ron |  | 1. O |  |
| 1. CONTACTPERSON | 1. Contact person of channel user | 1. Eddy |  | 1. O |  |
| 1. SUBSCRIBERCODE | 1. Employee code or Subscriber code of channel user | 1. 1759 |  | 1. O |  |
| 1. APPOINTMENTDATE | 1. Appointment date of channel user |  |  | 1. O | 1. Date should be in dd/MM/yy format |
| 1. SSN | 1. SSN for channel user | 1. 3221 |  | 1. O |  |

1. Note- Atleast one of the above optional tags must be added to update the data.

### 3.42.4 XML Response Syntax

1. PreTUPS will send following response to the system once data is updated successfully.
2. **Response Syntax**
3. <?xml version="1.0"?>
4. <COMMAND>
5. <TYPE>DUPDATE</TYPE>
6. <TXNSTATUS>200</TXNSTATUS>
7. <MESSAGE>Your data has been updated successfully.</MESSAGE>
8. </COMMAND>
9. **Fields Detail**

| 1. **TAG** | 1. **Fields** | 1. **Example** | 1. **Max Length** | 1. **Optional/Mandatory** | 1. **Remarks** |
| --- | --- | --- | --- | --- | --- |
| 1. Type | 1. DUPDATE | 1. DUPDATE | 1. 10 | 1. M | 1. Response Type |
| 1. TXNSTATUS | 1. Transaction Status | 1. 200 | 1. 5 | 1. M | 1. Transaction Status i.e. 2. Transaction OK (200), failed other status |
| 1. MESSAGE | 1. Message | 1. Your data has been updated successfully | 1. 300 | 1. M |  |

## 3.43 Retrieve all Eligible Card Details for a Subscriber API

1. USSD System would call the card group enquiry API for knowing what all benefits are configured in system for that particular subscriber based on its service class.
3. The USSD system will send the following request for Enquiry. The request format and details of request are mentioned below.

### 3.43.1 XML Request Syntax (USSD)

1. Below is the request XML for the API:

<?xml version="1.0"?>

<!DOCTYPE COMMAND PUBLIC "-//Ocam//DTD XML Command1.0//EN""xml/command.dtd">

<COMMAND>

<TYPE>**CGENQREQ**</TYPE>

<MSISDN1>***<Channel user MSISDN>***</MSISDN1>

<PIN>***<Channel user PIN>***</PIN>

<MSISDN2><**Subscriber MSISDN>**</MSISDN2>

<SERVICETYPE><**Service type**></SERVICETYPE>

<SUBSERVICE><Sub service for service></SUBSERVICE>

<AMOUNT><**Amount in Higher Denomination**></AMOUNT>

</COMMAND>

# Fields Detail

| TAG | Fields | Remarks | Example | Field Type | Optional/  Mandatory |
| --- | --- | --- | --- | --- | --- |
| TYPE | Request type | Request Type, should be sent with each request | CGENQREQ | C (15) | M |
| MSISDN1 | Channel user MSISDN who is accessing the USSD system | All MSISDN should be in national dial format. | 9942222 | N (15) | M |
| PIN | Pin of the channel user | PIN of the channel user. PIN would plain encrypted string | 1357 | N (4) | O (Tag is mandatory) |
| PIN would be blank and would not be validated if given (As required by Idea) | | | | | |
| MSISDN2 | Subscriber MSISDN | All MSISDN should be in national dial format. | 9942222 | N (15) | M |
| SERVICETYPE | Requested Service | Unique Service keyword to identify the service through External gateway. It could be RC. | RC (Fixed value) | C (10) | M |
| SUBSERVICE | Sub service | **Sub service code** configured in the system | DATA | A(10) | O(Tag is mandatory) |
| AMOUNT | Amount | Amount in higher denomination for which enquiry is required | 10 | N(12,2) | M |

* All tags are mandatory to be present in XML. If value is optional and tag must be present.
* The value for TYPE tag is fixed as mentioned in syntax.

### 3.43.2 XML Response Syntax (USSD)

1. PreTUPS send the acknowledgement to the USSD system about the Enquiry status. The acknowledgement will be in XML and send as response of the request. The XML response details are mentioned below.

<?xml version="1.0"?>

<!DOCTYPE COMMAND PUBLIC "-//Ocam//DTD XML Command1.0//EN""xml/command.dtd">

<COMMAND>

<TYPE>CGENQRESP</TYPE>

<TXNSTATUS>***<Status of the Enquiry>***</TXNSTATUS>

<MESSAGE><Message></MESSAGE>

<SERVICECLASS><Service class of the subscriber></SERVICECLASS>

<MSISDN2>Mobile Number of subscriber</MSISDN2>

<CGDETAILS>

<DETAIL>

<SLABAMT><Allowed amount for the service in slabs></SLABAMT>

<CGDESC><Card group Name or description/></CGDESC>

<SUBSERVICE><Subservice for service></SUBSERVICE>

</DETAIL>

<DETAIL>

<SLABAMT><Allowed amount for the service in slabs></SLABAMT>

<CGDESC><Card group Name or description ></CGDESC>

<SUBSERVICE><Subservice for service ></SUBSERVICE>

</DETAIL>

<DETAIL>

<SLABAMT><Allowed amount for the service in slabs></SLABAMT>

<CGDESC><Card group Name or description ></CGDESC>

<SUBSERVICE><Subservice for service ></SUBSERVICE>

</DETAIL>

.

.

.

</CGDETAILS>

</COMMAND>

# Fields Detail

| TAG | Fields | Remarks | Example | Field Type | Optional/Mandatory |
| --- | --- | --- | --- | --- | --- |
| TYPE | Response type | Response Type | CGENQRESP | C (15) | M |
| TXNSTATUS | Transaction Status | Status of the External system Enquiry request   * Transaction Status = 200 means Success, * Transaction Status Other than 200 means failed | 200 | N (7) | M |
| MESSAGE | Message regarding the Enquiry requested MSISDN |  | Successful or Failed | C(15) | M |
| SERVICECLASS | Service class | Service class of the subscriber | SCLASS! | C(15) | M |
| MSISDN2 | Payee MSISDN | 9942223 | 15 | M | Numeric and without country code. |
| SLABAMT | Allowed Amount range for the requested service (in slabs if exist) | Allowed amount range for the requested service,  Slab separator will be configurable | 10-10000  Or  15 | A(50) | M |
| CGDESC | Card group description | Card group description defined in card group set | 50 MB data | C(20) | M |
| SUBSERVICE | Sub service | **Sub service code** configured in the system | DATA | A(10) | M |
|  |  |  |  |  |  |

* The value for TYPE tag is fixed as mentioned in syntax.
* Based on the retailer detail system will identify the domain of the retailer which will use to get the relevant card groups.
* There is IN communication to get the service class of the subscriber
* SUBSERVICE will contain values which will be different from refill ID that is passed to IN. PreTUPS will internally map and send appropriate refillID to IN

### 3.43.4 Sample XML

# Card Group Enquiry API - Request

<?xml version="1.0"?>

<!DOCTYPE COMMAND PUBLIC "-//Ocam//DTD XML Command1.0//EN""xml/command.dtd">

<COMMAND>

<TYPE>CGENQREQ</TYPE>

<MSISDN1>9711223344</MSISDN1>

<PIN>a34cdfs23</PIN>

<MSISDN2>9711223344</MSISDN2>

<SERVICETYPE>RC</SERVICETYPE>

<SUBSERVICE><Sub service for service></SUBSERVICE>

<AMOUNT>100</AMOUNT>

</COMMAND>

# Card Group Enquiry API - Response

<?xml version="1.0"?>

<!DOCTYPE COMMAND PUBLIC "-//Ocam//DTD XML Command1.0//EN""xml/command.dtd">

<COMMAND>

<TYPE>CGENQRESP</TYPE>

<TXNSTATUS>200</TXNSTATUS>

<MESSAGE>Successful</MESSAGE>

<MSISDN2>9711223344</MSISDN2>

<SERVICECLASS>PROFILE1</SERVICECLASS>

<CGDETAILS>

<DETAIL>

<SLABAMT>100-100</SLABAMT>

<CGDESC>Plain Voice </CGDESC>

<SUBSERVICE>001</SUBSERVICE>

</DETAIL>

<DETAIL>

<SLABAMT>100-200</SLABAMT>

<CGDESC>1GB Data</CGDESC>

<SUBSERVICE>006</SUBSERVICE>

</DETAIL>

</CGDETAILS>

</COMMAND>

## 3.44 Lite Customer Recharge

USSD system can send the recharge request of a subscriber. Recharge of a subscriber can be done by the channel users.

### 3.44.1 XML Request Syntax

1. The USSD system will send the following request for Customer Recharge. The request format and details of request are mentioned below.
2. **Request Syntax**
3. <?xml version="1.0"?>
4. <!DOCTYPE COMMAND PUBLIC "-//Ocam//DTD XML Command 1.0//EN" "xml/command.dtd">
5. <COMMAND>
6. <TYPE>RCTRFSERREQ</TYPE>
7. <MSISDN1><Retailer MSISDN></MSISDN1>
8. <PIN><Retailer PIN></PIN>
9. <MSISDN2>< Payee MSISDN></MSISDN2>
10. <AMOUNT><Amount></AMOUNT>
11. <LANGUAGE1><Retailer Language></LANGUAGE1>
12. <LANGUAGE2><Payee Language></LANGUAGE2>
13. <SELECTOR><Selector></SELECTOR>
14. <SERVICECLASS><Service class of the subscriber></SERVICECLASS>
15. </COMMAND>

* BONUS tag would not be available in this new API.

1. **Fields Detail**

| TAG | Fields | Example | Max Length | Optional/ Mandatory | Remarks |
| --- | --- | --- | --- | --- | --- |
| Type | RCTRFREQ | RCTRFSERREQ | 10 | M | Request Type |
| MSISDN1 | Retailer MSISDN | 9942222 | 15 | M | All MSISDN should be without country code.  (National dial format) |
| PIN | Retailer PIN | 3946 | 4 | M | Numeric Only. |
| MSISDN2 | Payee MSISDN | 9942223 | 15 | M | Numeric and without country code. |
| AMOUNT | Amount | 100 | 10 | M | Numeric Only. |
| LANGUAGE1 | Retailer Language | 1 | 1 | O | Numeric only, Retailer Language Code  This code must be defined in PreTUPS system.  If no value or wrong value is specified , default value locale is set for langugae |
| LANGUAGE2 | Payee Language | 1 | 1 | O | Numeric only, Payee Language Code  This code must be defined in PreTUPS system.  If no value or wrong value is specified , default value locale is set for langugae |
| SERVICECLASS | Service class | SCLASS | C(15) | O | Alphanumeric |
| SELECTOR | Selector | 1 | 10 | M | Selector should be numeric 1, 2, 3, 4 and 5. |

* All tags are mandatory to be present in XML. If value is optional and tag must be present.
* The value for TYPE tag is fixed as mentioned in syntax.

### 3.44.2 XML Response Syntax

1. PreTUPS will send following response (acknowledgement) to USSD system for Customer Recharge Request. The XML response details are mentioned below.
2. **Response Syntax**
3. <?xml version="1.0"?>
4. <!DOCTYPE COMMAND PUBLIC "-//Ocam//DTD XML Command 1.0//EN" "xml/command.dtd">
5. <COMMAND>
6. <TYPE>RCTRFSERRESP</TYPE>
7. <TXNSTATUS><Transaction Status></TXNSTATUS>
8. <MESSAGE><Message></MESSAGE>
9. </COMMAND>
10. **Fields Detail**

| TAG | Fields | Example | Max Length | Optional/Mandatory | Remarks |
| --- | --- | --- | --- | --- | --- |
| Type | RCTRFRESP | RCTRFSERRESP | 10 | M | Response Type |
| TXNSTATUS | Transaction Status | 200 | 5 | M | Intermediate transaction Status. Final status would be send over the SMS notification. |
| Message | Message text | Success | 20 | M | Message text |

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

## 3.45 GIVE ME BALANCE

USSD system can send the Give me Balance request to a subscriber

### 3.45.1 XML Request Syntax

1. The USSD system will send the following request for GiveMe Balance Request . The request format and details of request are mentioned below.
2. **Request Syntax**
3. <?xml version="1.0"?>
4. <! DOCTYPE COMMAND PUBLIC "-//Ocam//DTD XML Command 1.0//EN" "xml/command.dtd">
5. <COMMAND>
6. <TYPE>CGMBALREQ</TYPE>
7. <MSISDN1><Msisdn1></MSISDN1>
8. <MSISDN2><Msisdn2></MSISDN2>
9. <AMOUNT><Amount></AMOUNT>
10. <LANGUAGE1><Language 1></LANGUAGE1>
11. <LANGUAGE2><Language 2></LANGUAGE2>
12. </COMMAND>
13. **Fields Detail**

| TAG | Fields | Example | Max Length | Optional/ Mandatory | Remarks |
| --- | --- | --- | --- | --- | --- |
| Type | CGMBALREQ | CGMBALREQ | 10 | M | Request Type |
| MSISDN1 | Sender MSISDN | 9942222 | 15 | M | All MSISDN should be without country code.  (National dial format) |
| MSISDN2 | Reciever MSISDN | 9942223 | 15 | M | Numeric and without country code. |
| AMOUNT | Amount | 100 | 10 | M | Numeric Only. |
| LANGUAGE1 | Retailer Language | 1 | 1 | O | Numeric only, Retailer Language Code  This code must be defined in PreTUPS system. |
| LANGUAGE2 | Payee Language | 1 | 1 | O | Numeric only, Payee Language Code  This code must be defined in PreTUPS system. |

* All tags are mandatory to be present in XML. If value is optional and tag must be present.
* The value for TYPE tag is fixed as mentioned in syntax.

### 3.45.2 XML Response Syntax

1. PreTUPS will send following response (acknowledgement) to USSD system for Give Me Balance Request. The XML response details are mentioned below.
2. **Response Syntax**
3. <?xml version="1.0"?>
4. <!DOCTYPE COMMAND PUBLIC "-//Ocam//DTD XML Command 1.0//EN" "xml/command.dtd">
5. <COMMAND>
6. <TYPE> CGMBALRESP </TYPE>
7. <TXNSTATUS><Transaction Status></TXNSTATUS>
8. </COMMAND>
9. **Fields Detail**

| TAG | Fields | Example | Max Length | Optional/Mandatory | Remarks |
| --- | --- | --- | --- | --- | --- |
| Type | CGMBALRESP | CGMBALRESP | 10 | M | Response Type |
| TXNSTATUS | Transaction Status | 200 | 5 | M | Intermediate transaction Status. Final status would be send over the SMS notification. |

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

## 3.46 GIVE ME BALANCE BAR

USSD system can send the Give me Balance request to a subscriber

### 3.46.1 XML Request Syntax

1. The USSD system will send the following request for GiveMe Balance BAR Request . The request format and details of request are mentioned below.
2. **Request Syntax**
3. <?xml version="1.0"?>
4. <! DOCTYPE COMMAND PUBLIC "-//Ocam//DTD XML Command 1.0//EN" "xml/command.dtd">
5. <COMMAND>
6. <TYPE>GMBBAR</TYPE>
7. <MSISDN1><Msisdn1></MSISDN1>
8. <MSISDN2><Msisdn2></MSISDN2>
9. </COMMAND>
10. **Fields Detail**

| TAG | Fields | Example | Max Length | Optional/ Mandatory | Remarks |
| --- | --- | --- | --- | --- | --- |
| Type | GMBBAR | GMBBAR | 10 | M | Request Type |
| MSISDN1 | Sender MSISDN | 9942222 | 15 | M | All MSISDN should be without country code.  (National dial format) |
| MSISDN2 | Reciever /BarredMSISDN | 9942223 | 15 | M | Numeric and without country code. |

* All tags are mandatory to be present in XML. If value is optional and tag must be present.
* The value for TYPE tag is fixed as mentioned in syntax.

### 3.46.2 XML Response Syntax

1. PreTUPS will send following response (acknowledgement) to USSD system for Give Me Balance Request. The XML response details are mentioned below.
2. **Response Syntax**
3. <?xml version="1.0"?>
4. <!DOCTYPE COMMAND PUBLIC "-//Ocam//DTD XML Command 1.0//EN" "xml/command.dtd">
5. <COMMAND>
6. <TYPE> BARRESP </TYPE>
7. <TXNSTATUS><Transaction Status></TXNSTATUS>
8. </COMMAND>
9. **Fields Detail**

| TAG | Fields | Example | Max Length | Optional/Mandatory | Remarks |
| --- | --- | --- | --- | --- | --- |
| Type | CGMBALRESP | CGMBALRESP | 10 | M | Response Type |
| TXNSTATUS | Transaction Status | 200 | 5 | M | Intermediate transaction Status. Final status would be send over the SMS notification. |

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

## 3.47 SOS Request

Channel user can send the SOS request through USSD.

### 3.47.1 XML Request Syntax

1. The USSD system will send the following request for SOS Request . The request format and details of request are mentioned below.
2. **Request Syntax**
3. <?xml version="1.0"?>
4. <COMMAND>
5. <TYPE>SOSTRF</TYPE>
6. <MSISDN><Channel user's MSISDN></MSISDN>
7. <PIN><Channel user's PIN></PIN>
8. <PRODUCTCODE><Product code></PRODUCTCODE>
9. <LANGUAGE1><Channel user's language code></LANGUAGE1>
10. </COMMAND>
11. **Fields Detail**

| TAG | Fields | Example | Max Length | Optional/ Mandatory | Remarks |
| --- | --- | --- | --- | --- | --- |
| Type | Request type | SOSTRF | 10 | M | Request Type |
| MSISDN | Retailer MSISDN | 9942222  **When** MSISDN1 **is available in request then** PIN **is mandatory for the request** | 15 | M | All MSISDN should be without country code.  (National dial format) |
| PIN | Retailer PIN | 3946 | 4 | M | Numeric Only. |
| PRODUCTCODE | Product code | 101 | 10 | M | Alphanumeric |
| LANGUAGE1 | Retailer's language | 0 | 1 | 0 | Numeric only, Retailer Language Code  This code must be defined in PreTUPS system. |

* All tags are mandatory to be present in XML. If value is optional and tag must be present.
* The value for TYPE tag is fixed as mentioned in syntax.

### 3.47.2 XML Response Syntax

1. PreTUPS will send following response (acknowledgement) to USSD system for SOS Request. The XML response details are mentioned below.
2. **Response Syntax**
3. <?xml version="1.0"?>
4. <!DOCTYPE COMMAND PUBLIC "-//Ocam//DTD XML Command 1.0//EN" "xml/command.dtd">
5. <COMMAND>
6. <TYPE> SOSRES</TYPE>
7. <TXNSTATUS><Transaction Status></TXNSTATUS>
8. <DATE><Date></DATE>
9. <MESSAGE><Transaction Message></MESSAGE>
10. </COMMAND>
11. **Fields Detail**

| TAG | Fields | Example | Max Length | Optional/Mandatory | Remarks |
| --- | --- | --- | --- | --- | --- |
| Type | Response Type | SOSRES | 10 | M | Response Type |
| TXNSTATUS | Transaction Status | 200 | 5 | M | Intermediate transaction Status. Final status would be send over the SMS notification. |
| DATE | Date | 09/05/2017 14:47:58 |  | M | Current Date |
| MESSAGE | Message text | Transfer of product(s) eTopUP:10 has been done by operator, net payable amount is 10. Your new balance of product(s) eTopUP:10.10. Transaction ID is OT170509.1448.100001 | 100 | M | Message text |

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

## 3.48 SOS MANUAL SETTLEMENT REQUEST

When channel user receives SOS amount then for settlement of that SOS transaction, its parent/owner can initiate SOS manual settlement request from USSD.

Request will land on Channel Receiver.

For this specific request, there are following conditions which must be satisfied :

1. SOS Settlement type must be “MANUAL” in system
2. CHANNEL\_SOS\_ALLOWED\_WALLET must be “PARENT” or “OWNER”. According to this preference, When SOS will happen then amount will get deducted from parent’s or owner’s account. Hence, settlement must be initiated by parent or owner only according to the preference.

Following will be the configuration for SOS Settlement Request Service.

For executing API, Request parameters in Service Keyword must be “TYPE,MSISDN,PIN,MSISDN1”

### 3.48.1 XML Request Syntax

1. The request format and details of request are mentioned below.
2. **Request Syntax**
3. <?xml version="1.0"?>
4. <!DOCTYPE COMMAND PUBLIC "-//Ocam//DTD XML Command 1.0//EN" "xml/command.dtd">
5. <COMMAND>
6. <TYPE>SOSSTL</TYPE>
7. <MSISDN>mobile number of request initiator</MSISDN>
8. <PIN>pin of request initiator </PIN>
9. <MSISDN1>mobile number of child user who received SOS from parent/ owner</MSISDN1>
10. <LANGUAGE1>language code of request initiator </LANGUAGE1>
11. <LANGUAGE2> language code of msisdn1</LANGUAGE2>
12. </COMMAND>
13. **Fields Detail**

| TAG | Fields | Example | Max Length | Optional/ Mandatory | Remarks |
| --- | --- | --- | --- | --- | --- |
| Type | Request type | SOSSTL | 10 | M | Request Type |
| MSISDN | Owner or parent msisdn | 9942222 | 15 | M |  |
| PIN | Pin of parent or owner | 3946 | 4 | M | Numeric Only. |
| MSISDN1 | Mobile number of receiver (Who initiated SOS transfer request and received SOS) | 7258585858 | 15 | M |  |
| LANGUAGE1 | language code of request initiator | 0 |  | O | If no language code is specified then default language code specified in System preference will be applicable. |
| LANGUAGE2 | language code of msisdn1 | 0 |  | O | If no language code is specified then default language code specified in System preference will be applicable. |

* All tags are mandatory to be present in XML. If value is optional then also tag must be present.

### 3.48.2 XML Response Syntax

1. PreTUPS will send following response (acknowledgement) to EXTGW system for SOS Settlement Request. The XML response details are mentioned below.
2. **Response Syntax**
3. <?xml version="1.0"?>
4. <!DOCTYPE COMMAND PUBLIC "-//Ocam//DTD XML Command 1.0//EN" "xml/command.dtd">
5. <COMMAND>
6. <TYPE> SOSSTLRES</TYPE>
7. <TXNSTATUS><Transaction Status></TXNSTATUS>
8. <DATE><Date></DATE>
9. <MESSAGE><Transaction Message></MESSAGE>
10. </COMMAND>
11. **Fields Detail**

| TAG | Fields | Example | Max Length | Optional/Mandatory | Remarks |
| --- | --- | --- | --- | --- | --- |
| Type | Response Type | SOSSTLRES | 10 | M | Response Type |
| TXNSTATUS | Transaction Status | 200 | 5 | M | Intermediate transaction Status. Final status would be send over the SMS notification. |
| DATE | Date | 09/05/2017 14:47:58 |  | M | Current Date and time |
| MESSAGE | Message text | Transaction ID CT170509.1448.100001 is settled with 7258585858 | 100 | M | Message text |

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

## 3.49 Data CP2P

1. The USSD Gateway sends the following request for CP2P data transfer. The request and response format and details of fields are mentioned below.

### Request XML Format

1. <?xml version="1.0"?>
2. <COMMAND>
3. <TYPE>CCDATATRFREQ</TYPE>
4. <DATE><Date and time ></DATE>
5. <MSISDN1><Sender Customer MSISDN></MSISDN1>
6. <PIN><Sender Customer PIN></PIN>
7. <MSISDN2>< Payee MSISDN></MSISDN2>
8. <AMOUNT><Amount></AMOUNT>
9. <LANGUAGE1><Payer Language></LANGUAGE1>
10. <LANGUAGE2><Payee Language></LANGUAGE2>
11. <SELECTOR><Selector></SELECTOR>
12. <CELLID><Cell Id></CELLID>
13. <SWITCHID><Switch ID></SWITCHID>
14. </COMMAND>

# Request API fields detail:

| TAG | Fields | Example | Max Length | Optional/Mandatory | Remarks |
| --- | --- | --- | --- | --- | --- |
| TYPE | CCDATATRFREQ | CCDATATRFREQ | A(10) | M | Request Type. (**FIXED Value**) |
| Date | Date | 04/03/13 | A(10) | O (Tag is mandatory) |  |
| MSISDN1 | Sender Customer MSISDN | 9942222 | N(15) | M | Sender MSISDN should be without country code.  (National dial format) |
| SELECTOR | Product code associated with the Service` | 1 | A(20) | M | Fixed value |
| MSISDN2 | Receiver Customer MSISDN | 9942223 | N(15) | M | Receiver MSISDN should be without country code.  (National dial format) |
| AMOUNT | Data Volume | 100 | N(20) | M | Value to be transferred & based on which card group would be picked |
| PIN | Sender Customer PIN | 2564 | N(4) | M |  |
| LANGUAGE1 | Sender Language | 0 | N(5) | O (Tag is mandatory) | Numeric only, Sender Language Code  This code must be defined in PreTUPS system. (if value given is incorrect, it will be taken as he default language specified in the system) |
| LANGUAGE2 | Receiver Language | 0 | N(5) | O (Tag is mandatory) | Numeric only, Receiver Language Code  This code must be defined in PreTUPS system. (if value given is incorrect, it will be taken as he default language specified in the system) |
| CELLID | Cell ID | 1201 | A(10) | O (Tag is mandatory) | The value is mandatory id if “USSD\_TAGS\_CELLID\_SWITCHID\_MANDATORY” system preference is true |
| SWITCHID | Switch ID | 1235 | A(15) | O (Tag is mandatory) | The value is mandatory id if “USSD\_TAGS\_CELLID\_SWITCHID\_MANDATORY” system preference is true |



### Response XML Format

1. <?xml version=\"1.0\"?>
2. <!DOCTYPE COMMAND PUBLIC \"-//Ocam//DTD XML Command 1.0//EN\" \"xml/command.dtd\">
3. <COMMAND>
4. <TYPE>CCDATATRFRESP</TYPE>
5. <TXNID><Transaction ID></TXNID>
6. <TXNSTATUS><Transaction Status></TXNSTATUS>
7. </COMMAND>

| TAG | Fields | Example | Max Length | Optional/  Mandatory | Remarks |
| --- | --- | --- | --- | --- | --- |
| TYPE | CCDATATRFRESP | CCDATATRFRESP | A(10) | M | Response Type. (**FIXED Value**) |
| TXNSTATUS | Transaction Status | 200 | N(5) | M | Transaction Status i.e.  200- Request Accepted ( Intermediate Status ) |
| TXNID | Transaction id | 23456 | A(20) | O | Transaction if to uniquely indentify the transaction  If transaction is exited before system is able to generate TXNID, the TXNID will not be send in response |

* Menu management & configuration management at USSD is out of PreTUPS scope and needs to be configured separately by USSD system. PreTUPS will expose its USSD API for USSD System.

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