PERA HUB

Perahub Gateway

Developers Guide

Version 1.9

July 2017

Confidentiality

PERA HUB

Document version History

Version	Date	Author	Description
1.0	Apr 26, 2017	Vox Dei	Initial Release
1.1	May 08, 2017	Vox Dei	Added details for ReceiveMoney Search and ReceiveMoney Pay
1.2	May 20, 2017	Vox Dei	Added details for ReceiveMoneyStageSearch ReceiveMoneyStageHold SendMoneyStageValidate SendMoneyStageStore Signin Register Signature computation Added Logical Transactions QuickPayValidate QUickPayStore
1.3	May 29, 2017	Vox Dei	Added Fee Survey Added Compliance Lookup
1.4	May 31, 2017	Vox Dei	Get Secret Question Reset Password Acrivate Card Balance Inquiry Debit Account Credit Account Transaction History
1.5	June 01,2017	Vox Dei	Added "exchange_rate" on SendMoney Store Added "exchange_rate" on QuickPay Store Added "exchange_rate" on SendMoney Stage Hold Revision during Self Certification, as pointed out by WU
1.6	June 16,2017	Vox Dei	Updated some parameters for registration module,
1.7	June 18,2017	Vox Dei	Updated some parameters for registration module,
1.8	June 22,2017	Vox Dei	Documentation for Direct to Bank Documentation for Cash to Mobile/ Mobile Money Transfer Revision during Self Certification, as pointed out by WU *promotions details in SendMoneyStore, SendMoneyStoreHold, QuickPayStore *sender_name_type, receiver_name_type in all Validate and Store *GEN_III_Indicator,ack_flag in all Validate *mywu_enroll_tag in all Validate *pd_destination_currency in ReceiveMoneySearch
1.9	July 21, 2017	Vox Dei	Transactional API for UBP *Balance Inquiry

			Debit Account Credit Account Transaction History Send SMS Logical Transactions Update information

PERA HUB

1 Contents

PERA HUB

1. Introduction

1.1. Purpose

PeraHUB Gateway is an API platform developed for Petnet, Inc. to accommodate host-to-host integration for its Western Union money remittance service and E-Wallet facility for loyal customers

This document serves as a reference material for interested parties/sub-agents how to implement interface with PeraHUB Gateway in processing Money Remittance and E-Wallet transactions. Its main purpose is to discuss definitions and detailed specifications of available processes in the platform.

1.2. Scope

1.3. Limitations

1.4. Target Audience

This document is intended to technical personnel or developers seeking to interface and connect to transact money remittance or e-wallet facility.

2. Overview

2.2. Communication protocol

PeraHUB Gateway uses standard protocols and data structures. The system exposes RESTful API functions over HTTPS*(temporarily http).* All communications between hosts is done via JSON data submitted to an HTTPS*(temporarily http)* endpoint using POST action. Replies to requests are returned synchronously on the same connection from which the request originated. All reply contain standard HTTP response codes along with is a JSON response containing the requested data.

2.3. Definitions

2.4. Syntax

The following must be considered when formatting JSON request
- Enumerations must use the value exactly as specified
- Parameters that do not contain a value should be removed from the request.

2.5. Data Request and Data Response

JSON Data below applies to ALL requests with EXCEPTION to "Sign-on" request.

JSON Data request

```
{
        "uspwuapi": {
                "header": {
                        "coy": "usp",
                        "token": " b0dd9378fb63749c462a66d209b06454",
                        "location_code": "partner location code",
                        "user_code": "partner user code",
                        "clientip": "IP Address of user/mobile",
                        "isweb": "1"
                },
                "body": {
                        "module": "module name",
                        "request": "specific function name",
                        "param": {
                        }
                },
                "signature": ""
        }
}
```

JSON Data request should be encoded to base64 string format before submit.

Wherein:

Attribute Name	Description
coy	Partner Code, to be provided by Petnet, Inc. available values : yundu, lbc
token	Is a concatenated string of PARTNERID + YOURSERVERIP + CLIENTKEY converted to MD5 For Development Purposes please use **PARTNERID = client_01** **CLIENTKEY= de9462831b**
location_code	Refers to location code of the partner
user_code	Refers to user code/teller code of the partner
clientip	IP address source of the user/mobile
module	Get the module name from each API function
request	Specific function name, also can be found in each API function
param	Is an array of REQUEST parameters depending on module and request type. Refer to complete list of parameters per module found in each API function
signature	Signature is a computation using a PKCS#12 certificate and to be provided to partner. Value to sign is the value of param variable

JSON Dara response:

```
{
    "uspwuapi": {
```

```
    "header": {
      "errorcode": "1",
      "message": "good"
    },
    "body": {
      "mywu_number": "183706030"
    }
  }
}
```

Wherein:

Attribute Name	Description
errorcode	Error group code response from PeraHUB Gateway "1" denotes successful request "USP", error prompt from PeraHUB Gatewat "WU", error prompt from Western Union "SYS", Technical error available values : yundu, lbc
message	Description about the error code
body	Contains an array of RESPONSE parameters depending on the last submitted request.

2.6. HTTP Request

Endpoint: **http://gateway.perahub.com.ph/gateway/{module}**
Method: "**POST**"
Note: **{module}** can be found from definitions of each API functions
Required Query String variable: **hash**
Value of "hash" is the **JSON Data request encoded in base64 string** format
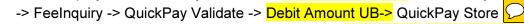
2.7. Assumptions

Below are assumptions that should be considered during the development

- All the amounts fields BOTH ON REQUEST and RESPONSE(Principal Amount, Charges, Taxes, etc...) have their last 2 digits as decimal places Ex: Principal Amount in PHP is 10010 which are 100 Pesos & 10 cents
- There might be cases where some fields do not contain any data at a given point of time. Such fields might be received as empty attributes or sometimes might not at all be displayed in JSON response from PerHUB Gateway. Such fields should be ignored by partner systems and should not cause any error scenario.

2.8. Logical Transactions

Logical transactions are the set of transactions that will take place in completing a full service. Few examples of logical transaction would be

- -> FeeInquiry -> SendMoney Validate -> Debit Amount UB-> SendMoney Store
- -> FeeInquiry -> QuickPay Validate -> Debit Amount UB-> QuickPay Store
- -> ReceiveMoney Search -> ReceiveMoney Pay->SendSMS-> Credit Amount UB
  - If Resonse->error_code = SYS then
    - PayStatus If Response->paystatus_description = W/C then ReceiveMoney Pay

- -> FeeInquiry ->FeeSurvey -> SendMoney Stage Validate -> SendMoney Stage Hold
- -> SendMoney Staged Search -> SendMoney Staged Release
- -> ReceiveMoney Stage Search -> ReceiveMoneyPayHold
  If Resonse->error_code = SYS then
    PayStatus If Response->paystatus_description = W/C then
  ReceiveMoneyPayHold
- -> HoldTransactionSearch -> ReceiveMoneyPayRelease
  If Resonse->error_code = SYS then
    PayStatus If Response->paystatus_description = W/C then
  HoldTransactionSearch

3. API Functions

3.1. Prerequisites

3.1.1. Sign-on

Use this API function to get the details of customers. Provides several search options for MyWU customers.

Module: **signin**
Request: **login**

REQUEST Parameters:

Name	Type	Required	Description
username	text:15	M	Search Parameters required for card|email|mobile search option
password	text:128	M	password should be in SHA512 format

Sample JSON Data request:

```
{
    "uspwuapi": {
        "header": {
          "coy": "yundu",
          "token": "b0dd9378fb63749c462a66d209b06454",
          "location_code": "1",
          "user_code": "1",
          "clientip": "::1",
          "isweb":"1"
        },
        "body": {
          "module": "signin",
          "request": "login",
          "param": {
              "username" : "RN052480W",
              "password":
"6700713fac9f035fbc0cf5e9e0b245dd4eea74e930530f0faf0993446435bc298c8fc9c6f35e
6c0a741a88490db2735e758810288025c700bf5fa72c775ddf08"
            }
```

```
            },
            "signature":"anyvaluesfornow"
        }
    }
```

REPONSE Parameters:

Name	Type	Required	Description
foreign_reference_no	alpha-num:50	M	Mandatory for all requests except login.
customer	array	M	Full Details of Customers

Sample JSON Data response:

```
{
    "uspwuapi": {
        "header": {
            "errorcode": "1",
            "message": "good"
        },
        "body": {
            "foreign_reference_no":
"d13400918208a58b4e42869316e55963994b6031",
            "customer": {
                "surname": "",
                "givenname": "",
                "Birthdate": "",
                "Nationality": "",
                "PresentAddress": "",
                "Occupation": "",
                "NameOfEmployer": "",
                "ValidIdentification": "",
                "WuCardNo": "",
                "DebitCardNo": "",
                "LoyaltyCardNo": ""
            }
        }
    }
}
```

3.2.Money Remittance

3.2.1. References

Data Response of API functions under this category are recommended to be stored on partners system. Stored data can be updated at least once a day.

PERA HUB

3.2.2. Common Functions

3.2.2.1. MyWU Search

Use this API function to get the details of customers. Provides several search options for MyWU customers.

Module: **prereq**
Request: **mywusearch**

REQUEST Parameters:

Name	Type	Required	Description
foreign_reference_no	alpha-num:50	M	This will be provided upon Sign-on (for the meantime, please use any value)
searchparam	text:50	C	Search Parameters required for card|email|mobile search option
searchtype	alpha:6	M	card = search by MyWU number email = search by email address mobile = search by mobile no. name = search by sender/receiver
sender_first_name	alpha:100	C	required if search by name
sender_last_name	alpha:100	C	required if search by name
operator_id	alpha-num:10	M	Operator ID will be provided Petnet per partner teller/user
terminal_id	alpha-num:10	M	Terminal ID will be provided by Petnet per partner location

Sample JSON Data request:

```
{
    "uspwuapi": {
        "header": {
          "coy": "usp",
          "token": "b0dd9378fb63749c462a66d209b06454",
          "location_code": "1",
          "user_code": "1",
          "clientip": "::1",
          "isweb":"1"
```

```
        },
        "body": {
          "module": "prereq",
          "request": "mywusearch",
          "param": {
                "foreign_reference_no" : "LBCTrackingNO01",
                "searchparam": "",
                "searchtype": "name",
                "sender_first_name": "MIGUEL",
                "sender_last_name": "FADRIQUELA",
                "operator_id": "001",
                "terminal_id": "WBPt",
          }
        },
        "signature":"anyvaluesfornow"
    }
}
```

Sample Parameters:
by email : MAZELTOV1324@YAHOO.COM
by mobile : 9998947210
by card : 183907555
by name : firsntmae=MIGUEL, lastname=FADRIQUELA

Other samples by card:
183704489
183702776

3.2.2.2.   MyWU Enrollmen

Use this API to enroll or add customer to MyWU program. This is a stand-alone function that can be called outside Logical Transactions.

Module: **prereq**
Request: **mywuenroll**

REQUEST Parameters:

Name	Type	Required	Description
foreign_reference_no	alpha-num:50	M	This will be provided upon Sign-on (for the meantime, please use any value)
sender_first_name	alpha:100	M	First Name
sender_last_name	alpha:100	M	Last Name
sender_addr_line1	text:200	M	
sender_addr_line2	text:200	O	
sender_city	text:50	M	City / Municipality
sender_state	text:100	M	State / Province / Region
sender_postal_code	num:10	M	
sender_addr_country_code	alpha:2	M	2 letter ISO country code
sender_addr_currency_code	alpha:3	M	3 letter ISO currency code
email	email	O	Valid email format

sender_contact_phone	num:30	O	Format should be Mobile Country Code + phone number
sender_mobile_country_code	num:3	O	Mobile Country Code
sender_mobile_no	num:20	O	Mobile Number
operator_id	alpha-num:10	M	Operator ID will be provided Petnet per partner teller/user
terminal_id	alpha-num:10	M	Terminal ID will be provided by Petnet per partner location

Sample JSON Data request:

```json
{
    "uspwuapi": {
        "header": {
            "coy": "usp",
            "token": "b0dd9378fb63749c462a66d209b06454",
            "location_code": "1",
            "user_code": "1",
            "clientip": "::1",
            "isweb": "1"
        },
        "body": {
            "module": "prereq",
            "request": "mywuenroll",
            "param": {
                "sender_first_name": "NICOLAS",
                "sender_last_name": "FADRIQUELA",
                "sender_addr_line1": "Phase 5 Block 4 Lot 7",
                "sender_addr_line2": "Camella Prove",
                "sender_city": "MALOLOS",
                "sender_state": "REGION 3",
                "sender_postal_code": "3000",
                "sender_addr_country_code": "PH",
                "sender_addr_currency_code": "PHP",
                "email": "nickfadriquela@yahoo.com",
                "sender_contact_phone": "639177654321",
                "sender_mobile_country_code": "63",
                "sender_mobile_no": "9177654321",
                "operator_id": "001",
                "terminal_id": "WBPt"
            }
        },
        "signature": "anyvaluesfornow"
    }
}
```

REPONSE Parameters:

Name	Type	Required	Description
mywu_number	alpha-num:20	M	MyWU Number of newly enrolled customer

Sample JSON Data response:

```json
{
  "uspwuapi": {
    "header": {
      "errorcode": "1",
```

```
            "message": "good"
        },
        "body": {
            "mywu_number": "183706030"
        }
    }
}
```

3.2.2.3.   Compliance Lookup

Compliance Look can be used both for SEND and RECEIVE money to check ID details of sender or receiver.

Module: **prereq**
Request: **compliance**

REQUEST Parameters:

Name	Type	Required	Description
foreign_reference_no	alpha-num:50	M	This will be provided upon Sign-on (for the meantime, please use any value)
first_name	num	M	Amount to Send
last_name	alpha:1	M	F if customer want a fixed principal amount in the destination country and will not be subject to currency fluctuation. Otherwise N
id_type	alpha:2	M	2 letter ISO country code
id_country_of_issue	alpha:3	M	3 letter ISO currency code
id_number	num	M	
transaction_type		M	SO = SendMoney/ D2B/ MMT/ Quickpay PO=ReceiveMoney
operator_id	alpha-num:10	M	Operator ID will be provided Petnet per partner teller/user
terminal_id	alpha-num:10	M	Terminal ID will be provided by Petnet per partner location

Sample JSON Data request:

```
{
    "uspwuapi": {
        "header": {
            "coy": "yondu",
            "token": "b0dd9378fb63749c462a66d209b06454",
            "location_code": "6",
            "user_code": "1",
            "clientip": "::1",
            "isweb": "1"
        },
        "body": {
            "module": "prereq",
            "request": "compliance",
```

```
            "param": {
                    "foreign_reference_no": "123123sadasd",
                    "first_name": "DIVYA",
                    "last_name": "BHARATHI",
                    "id_type": "B",
                    "id_country_of_issue": "Philippines",
                    "id_number": "1729389908236",
                    "transaction_type": "SO",
                    "terminal_id": "WBPt",
                    "operator_id": "001"
            }
        },
        "signature": " anyvaluesfornow"
    }
}
```

REPONSE Parameters:

Name	Type	Required	Description
compliance_details	array	M	Full compliance details

Sample JSON Data response:

```
{
    "uspwuapi": {
        "header": {
                "errorcode": "1",
                "message": "good"
        },
        "body": {
                "name": {
                        "name_type": "D",
                        "first_name": "DIVYA",
                        "last_name": "BHARATHI"
                },
                "compliance_details": {
                        "template_id": "2PH_02_S",
                        "id_details": {
                                "id_type": "B",
                                "id_country_of_issue": "PHILIPPINES",
                                "id_number": "1729389908236"
                        },
                        "compliance_flags_buffer":
"004YYZY01400ZY024Y0YY034Y0YY06400ZY074Y0ZY084Y0ZY09400ZY104Y0ZY33400ZY344Y0Z
Y444Z0YY67400ZY704Z0YY744Y0ZY",
                        "id_issue_date": "10102010",
                        "id_expiration_date": "11112020",
                        "date_of_birth": "08031995",
                        "occupation": "Student",
                        "Country_of_Birth": "PHILIPPINES",
                        "nationality": "PHILIPPINES",
                        "Source_of_Funds": "Charitable/Fund Raising",
                        "Name_of_Employer_Business": "mgcv school",
                        "Relationship_to_Receiver_Sender": "Donor/Receiver of
Ch",
                        "Does_the_ID_have_an_expiration_date": "N",
                        "GEN_III_Indicator": "1"
```

```
                    }
                }
            }
        }
```

3.2.2.4.   FeeInquiry 💬

Fee Inquiry provides appropriate fees applicable to transfer information provided.

Module: **prereq**
Request: **feeinquiry**

REQUEST Parameters:

Name	Type	Required	Description
foreign_reference_no	alpha-num:50	M	This will be provided upon Sign-on (for the meantime, please use any value)
principal_amount	num	M	Amount to Send
fixed_amount_flag	alpha:1	M	F if customer want a fixed principal amount in the destination country and will not be subject to currency fluctuation. Otherwise N
destination_country_code	alpha:2	M	2 letter ISO country code
destination_currency_code	alpha:3	M	3 letter ISO currency code
transaction_type		M	SO = SendMoney/D2B/MMT QP=QuickPay
promo_code	alpha-num:20	O	Promo code
message	text:array	O	Optional Message from SENDER to RECEIVER Maximum Length per line is 79 characters Maximum array length is 14
operator_id	alpha-num:10	M	Operator ID will be provided Petnet per partner teller/user
terminal_id	alpha-num:10	M	Terminal ID will be provided by Petnet per partner location

Sample JSON Data request:

```
{
    "uspwuapi": {
        "header": {
            "coy": "usp",
            "token": "b0dd9378fb63749c462a66d209b06454",
            "location_code": "6",
            "user_code": "1",
            "clientip": "::1",
            "isweb": "1"
        },
        "body": {
            "module": "prereq",
            "request": "feeinquiry",
            "param": {
```

```
                              "foreign_reference_no": "123123sadasd",
                              "principal_amount": "100000",
                              "fixed_amount_flag": "N",
                              "destination_country_code": "PH",
                              "destination_currency_code": "PHP",
                              "transaction_type": "SO",
                              "promo_code": "",
                              "message": [],
                              "message_line_count": "0",
                              "terminal_id": "WBPt",
                              "operator_id": "001"
                      }
              },
              "signature": "anyvaluesfornow"
      }
}
```

REPONSE Parameters:

Name	Type	Required	Description
originators_principal_amount	num	M	Principal Amount at the originating country
destination_principal_amount	num	M	Amount to Receive at the destination country
gross_total_amount	num	M	Total Amount that should be collected from the customer
charges	num	M	Total Charges of SendMoney including message charges and net of promo discount should the bee any
exchange_rate	num	M	Currency exchange rate of PHP vs Currency of destination country
Other RESPONSE Parameters are for reference only a			

Sample JSON Data response:

```
{
    "uspwuapi": {
        "header": {
            "errorcode": "1",
            "message": "good"
        },
        "body": {
            "taxes": {
                "municipal_tax": 0,
                "state_tax": 0,
                "county_tax": 0,
                "tax_worksheet": ""
            },
            "originators_principal_amount": 100000,
            "destination_principal_amount": 100000,
            "gross_total_amount": 101500,
            "plus_charges_amount": 0,
            "pay_amount": 100000,
            "charges": 1500,
            "tolls": 0,
```

```
                    "originating_currency_principal": "",
                    "canadian_dollar_exchange_fee": 0,
                    "message_charge": 0,
                    "promo_code_description": "",
                    "promo_sequence_no": "",
                    "promo_name": "",
                    "promo_discount_amount": 0,
                    "exchange_rate": 1,
                    "base_message_charge": "5000",
                    "base_message_limit": "10",
                    "incremental_message_charge": "500",
                    "incremental_message_limit": "10"
                }
            }
        }
```

3.2.2.5.   *FeeSurvey* 💬

Fee Survey provides should be used to get staging buffer needed for SendMoneyValidate stage option.

Module: **prereq**
Request: **feesurvey**

REQUEST Parameters:

Name	Type	Required	Description
foreign_reference_no	alpha-num:50	M	This will be provided upon Sign-on (for the meantime, please use any value)
principal_amount	num	M	Amount to Send
fixed_amount_flag	alpha:1	M	F if customer want a fixed principal amount in the destination country and will not be subject to currency fluctuation. Otherwise N
destination_country_code	alpha:2	M	2 letter ISO country code
destination_currency_code	alpha:3	M	3 letter ISO currency code
transaction_type		M	SO = SendMoney/D2B/MMT QP=QuickPay
promo_code	alpha-num:20	O	Promo code
message	text:array	O	Optional Message from SENDER to RECEIVER Maximum Length per line is 79 characters Maximum array length is 14
operator_id	alpha-num:10	M	Operator ID will be provided Petnet per partner teller/user
terminal_id	alpha-num:10	M	Terminal ID will be provided by Petnet per partner location

Sample JSON Data request:
```
{
    "uspwuapi": {
```

```
        "header": {
                "coy": "yondu",
                "token": "b0dd9378fb63749c462a66d209b06454",
                "location_code": "6",
                "user_code": "1",
                "clientip": "::1",
                "isweb": "1"
        },
        "body": {
                "module": "prereq",
                "request": "feeinquiry",
                "param": {
                        "foreign_reference_no": "123123sadasd",
                        "principal_amount": "100000",
                        "fixed_amount_flag": "N",
                        "destination_country_code": "PH",
                        "destination_currency_code": "PHP",
                        "transaction_type": "SO",
                        "promo_code": "",
                        "message": [],
                        "message_line_count": "0",
                        "terminal_id": "WBPt",
                        "operator_id": "001"
                }
        },
        "signature": "anyvaluesfornow"
    }
}
```

REPONSE Parameters:

Name	Type	Required	Description
staging_buffer	text	M	Staging buffer required for SendMoneyValidate stage option

Sample JSON Data response:

```
{
    "uspwuapi": {
        "header": {
                "errorcode": "1",
                "message": "good"
        },
        "body": {
                "staging_buffer": "0101C0202MB0303PIL"
        }
    }
}
```

3.2.3.   SendMoney

3.2.3.1.   SendMoney Validate 💬
Use this function to validate transaction Send Money data.

Module: **wuso**
Request: **SMvalidate**

PERA HUB

REQUEST Parameters:

Name	Type	Required	Description
foreign_reference_no	alpha-num:50	M	This will be provided upon Sign-on (for the meantime, please use any value)
sender_name_type	alpha:1	M	D = Firstname/LastName M = Paternal/Maternal (WU Advised to use option D in case customer or teller encountered this name type)
sender_first_name	alpha:100	M	First Name
sender_middle_name	alpha:100	M	
sender_last_name	text:200	M	Last Name
sender_addr_line1	text:200	M	
sender_addr_line2	text:200	O	
sender_city	text:50	M	City / Municipality
sender_state	text:100	M	State / Province / Region
sender_postal_code	num:10	M	
sender_addr_country_code	alpha:2	M	2 letter ISO country code
sender_addr_currency_code	alpha:3	M	3 letter ISO currency code
sender_contact_phone	num:30	O	Format should be Mobile Country Code + phone number
sender_mobile_country_code	num:3	O	Mobile Country Code
sender_mobile_no	num:20	O	Mobile Number
mywu_number	num:20	O	MyWU number
mywu_enroll_tag	alpha:10	M	mywu = when customer has MyWU Number enroll = when customer want to enroll in MyWU Program. This is another way to enroll customer into MyWU aside from stand-alone enrollment none=when customer does not want to enroll to MyWU
id_type	text:20	M	Refer to IDTypeList
id_country_of_issue	text:100	M	of Sender
id_number	text:50	M	of Sender
id_issue_date	date: ddmmyyyy	M	of Sender
id_expiration_date	date: ddmmyyyy	C	of Sender (required depends on ID Type)
date_of_birth	date: ddmmyyyy	M	of Sender
occupation	text:100	M	of Sender
Country_of_Birth	text:100	M	of Sender
nationality	text:100	M	of Sender
Gender	text:1	M	of Sender
Source_of_Funds	text:50	M	of Sender

Sender_Employeer	text:50	M	of Sender
Relationship_to_Receiver	text:50	M	of Sender
reason_for_send	text:50	M	of Sender
GEN_III_Indicator	num:1	M	Value should be "1" if compliance lookup is successful Otherwise BLANK or NULL Adjustment required by WU during PI certification
ack_flag	alpha:1	M	Acknowledgement Flag that users has entered correct values, Required by WU Value to pass is "X" Adjustment required by WU during PI certification
email	email	O	of Sender
receiver_name_type	alpha:1	M	D = Firstname/LastName M = Paternal/Maternal (WU Advised to use option D in case customer or teller encountered this name type)
receiver_first_name	alpha:100	M	
receiver_middle_name	alpha:100	O	
receiver_last_name	alpha:100	M	
receiver_addr_line1	text:200	C	Required if Destination Country is US, INDIA
receiver_addr_line2	text:200	O	
receiver_city	text:50	C	Required if Destination Country is US, INDIA
receiver_state	text:100	C	Required if Destination Country is US, INDIA
receiver_postal_code	num:10		Required if Destination Country is US, INDIA
receiver_addr_country_code	alpha:2	O	2 letter ISO country code
receiver_addr_currency_code	alpha:3	O	3 letter ISO currency code
receiver_contact_phone	num:30	C	Required if Destination Country is CHINA, INDIA, NIGERIA, USA and transaction type is D2B
receiver_mobile_country_code	num:3	C	Required if transactions type is MMT Required if Destination Country is CHINA, INDIA, NIGERIA, USA and transaction type is D2B
receiver_mobile_no	num:20	C	Required if transactions type is MMT Required if Destination Country

			is CHINA, INDIA, NIGERIA, USA and transaction type is D2B
destination_country_code	alpha:2	M	2 letter ISO country code
destination_currency_code	alpha:3	M	3 letter ISO currency code
destination_state_code	alpha-num:20	C	Required if Destination Country is USA and Mexico
destination_city_name	text:50	C	Required if Destination Country is USA and Mexico
transaction_type	alpha-num:3	M	SO = Send Money D2B = Direct to Bank MMT = Mobile Money Transfer
principal_amount	num	M	Amount to Send
fixed_amount_flag	alpha:1	M	F if customer wants a fixed principal amount in the destination country and will not be subject to currency fluctuation. Otherwise N
promo_code	alpha-num:20	O	Promo code
message	text:array	O	Optional Message from SENDER to RECEIVER Maximum Length per line is 79 characters Maximum array length is 14
bank_name	text:100		Required when transaction type = D2B
account_number	num:50		Required when transaction type = D2B
bank_code	alpha-num:20		Required when transaction type = D2B
bank_location	alpha-num:20		Required when transaction type = D2B
account_suffix	alpha-num:10		Required when transaction type = D2B
operator_id	alpha-num:10	M	Operator ID will be provided Petnet per partner teller/user
terminal_id	alpha-num:10	M	Terminal ID will be provided by Petnet per partner location

Sample JSON Data request:

```
{
    "uspwuapi": {
        "header": {
            "coy": "usp",
            "token": "b0dd9378fb63749c462a66d209b06454",
            "location_code": "6",
            "user_code": "1",
            "clientip": "::1",
            "isweb": "1"
        },
        "body": {
            "module": "wuso",
            "request": "SMvalidate",
            "param": {
```

```
"foreign_reference_no": "123123sadasd",
"sender_name_type": "D",
"sender_first_name": "WINNIE",
"sender_middle_name": "",
"sender_last_name": "CONSTANTINO",
"sender_addr_line1": "CALUMPIT",
"sender_addr_line2": "",
"sender_city": "CALUMPIT",
"sender_state": "REGION 3",
"sender_postal_code": "3003",
"sender_addr_country_code": "PH",
"sender_addr_currency_code": "PHP",
"sender_contact_phone": "6329446115",
"sender_mobile_country_code": "",
"sender_mobile_no": "",
"mywu_number": "185015541",
"mywu_enroll_tag": "mywu",
"id_type": "S",
"id_country_of_issue": "Philippines",
"id_number": "14789654",
"id_issue_date": "02072015",
"id_expiration_date": "12072017",
"date_of_birth": "06041992",
"occupation": "Programmer",
"Country_of_Birth": "Philippines",
"nationality": "Filipino",
"Gender": "F",
"Source_of_Funds": "Personal Loan",
"Sender_Employeer": "Abaris",
"Relationship_to_Receiver": "Father",
"reason_for_send": "228990",
"GEN_III_Indicator": "",
"ack_flag": "X",
"email": "WINNIEANN.CONSTANTINO@VOXDEISYSTEMS.COM",
"receiver_name_type": "D",
"receiver_first_name": "William",
"receiver_middle_name": "",
"receiver_last_name": "Constantino",
"receiver_addr_line1": "",
"receiver_addr_line2": "",
"receiver_city": "",
"receiver_state": "",
"receiver_postal_code": "",
"receiver_addr_country_code": "PH",
"receiver_addr_currency_code": "PHP",
"receiver_contact_phone": "",
"receiver_mobile_country_code": "",
"receiver_mobile_no": "",
"destination_country_code": "PH",
"destination_currency_code": "PHP",
"destination_state_code": "",
"destination_city_name": "",
"transaction_type": "SO",
"principal_amount": 100000,
"fixed_amount_flag": "N",
"promo_code": "A0027",
```

```
                              "message": [""],
                              "bank_name": "",
                              "account_number": "",
                              "bank_code": "",
                              "bank_location": "",
                              "account_suffix": "",
                              "terminal_id": "WBPt",
                              "operator_id": "001"
                        }
                  },
                  "signature": "anyvaluesfornow"
            }
}
```

REPONSE Parameters:

Name	Type	Required	Description
addl_service_charges	text:200	M	Must be preserve as is since this will be use as parameter in SendMoney Store
compliance_data_buffer	alpha-num:200	M	Must be preserve as is since this will be use as parameter in SendMoney Store
originating_city	alpha-num:50	M	Must be preserve as is since this will be use as parameter in SendMoney Store
originating_state	alpha-num:10	M	Must be preserve as is since this will be use as parameter in SendMoney Store
financials	array	M	The whole array should be preserved as is
promotions	array	M	The whole array should be preserved as is Adjustment required by WU during PI certification
mtcn	num:10	M	Money Transfer Control Number Must be preserve as is since this will be use as parameter in SendMoney Store
new_mtcn	num:16	M	Money Transfer Control Number Must be preserve as is since this will be use as parameter in SendMoney Store

Sample JSON Data response:

```
{
      "uspwuapi": {
            "header": {
                  "errorcode": "1",
                  "message": "good"
            },
            "body": {
                  "service_code": {
```

```
                        "addl_service_charges":
"1103FEE12041500130415000103MSG020100301021030002201023010900109621010450000 2
021003035009703NNN9806PILPIL"
                },
                "compliance": {
                        "compliance_data_buffer":
"01082PH_02_S0201S0308147896540611Philippines0708060419920810Programmer090802
07201510081207201799 01X3311Philippines3408Filipino3501F4413Personal
Loan6706Abaris7006Father7401Y"
                },
                "payment_details": {
                        "originating_city": "METRO MANILA",
                        "originating_state": "MA"
                },
                "financials": {
                        "taxes": {
                                "municipal_tax": 0,
                                "state_tax": 0,
                                "county_tax": 0
                        },
                        "originators_principal_amount": 100000,
                        "destination_principal_amount": 100000,
                        "gross_total_amount": 101500,
                        "plus_charges_amount": 0,
                        "charges": 1500,
                        "message_charge": 0
                },
                "promotions": {
                        "promo_code_description": "T3001 Valid promotion with
discount.                                          ",
                        "promo_name": "A0027 50% OFF CHARGES
",
                        "promo_message": "A0027 Special 50% Off Charges Intro
",
                        "promo_discount_amount": 250,
                        "sender_promo_code": "A0027               "
                },
                "new_details": {
                        "mtcn": "9231430092",
                        "new_mtcn": "1711689231430092",
                        "filing_date": "04-26",
                        "filing_time": "1030P EDT "
                }
            }
        }
    }
}
```

3.2.3.2.　SendMoney Store

Use this API function to save and confirm Send Money Transaction.

Module: **wuso**
Request: **SMstore**

REQUEST Parameters:

PERA HUB

Name	Type	Required	Description
foreign_reference_no	alpha-num:50	M	This will be provided upon Sign-on (for the meantime, please use any value)
sender_name_type	alpha:1	M	D = Firstname/LastName M = Paternal/Maternal (WU Advised to use option D in case customer or teller encountered this name type)
sender_first_name	alpha:100	M	First Name
sender_middle_name	alpha:100	M	
sender_last_name	text:200	M	Last Name
sender_addr_line1	text:200	M	
sender_addr_line2	text:200	O	
sender_city	text:50	M	City / Municipality
sender_state	text:100	M	State / Province / Region
sender_postal_code	num:10	M	
sender_addr_country_code	alpha:2	M	2 letter ISO country code
sender_addr_currency_code	alpha:3	M	3 letter ISO currency code
sender_contact_phone	num:30	O	Format should be Mobile Country Code + phone number
sender_mobile_country_code	num:3	O	Mobile Country Code
sender_mobile_no	num:20	O	Mobile Number
mywu_number	num:20	O	MyWU number
id_type	text:20	M	Refer to IDTypeList
id_country_of_issue	text:100	M	of Sender
id_number	text:50	M	of Sender
id_issue_date	date: ddmmyyyy	M	of Sender
id_expiration_date	date: ddmmyyyy	C	of Sender (required depends on ID Type)
date_of_birth	date: ddmmyyyy	M	of Sender
occupation	text:100	M	of Sender
Country_of_Birth	text:100	M	of Sender
nationality	text:100	M	of Sender
Gender	text:1	M	of Sender
Source_of_Funds	text:50	M	of Sender
Sender_Employer	text:50	M	of Sender
Relationship_to_Receiver	text:50	M	of Sender
reason_for_send	text:50	M	of Sender
email	email	O	of Sender
receiver_name_type	alpha:1	M	D = Firstname/LastName M = Paternal/Maternal (WU Advised to use option D in case customer or teller encountered this name type)
receiver_first_name	alpha:100	M	
receiver_middle_name	alpha:100	O	
receiver_last_name	alpha:100	M	

PERA HUB

receiver_addr_line1	text:200	C	Required if Destination Country is US, INDIA
receiver_addr_line2	text:200	O	
receiver_city	text:50	C	Required if Destination Country is US, INDIA
receiver_state	text:100	C	Required if Destination Country is US, INDIA
receiver_postal_code	num:10		Required if Destination Country is US, INDIA
receiver_addr_country_code	alpha:2	O	2 letter ISO country code
receiver_addr_currency_code	alpha:3	O	3 letter ISO currency code
receiver_contact_phone	num:30	C	Required if Destination Country is CHINA, INDIA, NIGERIA, USA and transaction type is D2B
receiver_mobile_country_code	num:3	C	Required if transactions type is MMT
receiver_mobile_no	num:20	C	Required if transactions type is MMT
destination_country_code	alpha:2	M	2 letter ISO country code
destination_currency_code	alpha:3	M	3 letter ISO currency code
destination_state_code	alpha-num:20	C	Required if Destination Country is USA and Mexico
destination_city_name	text:50	C	Required if Destination Country is USA and Mexico
transaction_type	alpha-num:3	M	SO = Send Money D2B = Direct to Bank MMT = Mobile Money Transfer
principal_amount	num	M	Amount to Send
fixed_amount_flag	alpha:1	M	F if customer wants a fixed principal amount in the destination country and will not be subject to currency fluctuation. Otherwise N
exchange_rate	num	M	Currency exchange rate of PHP vs Currency of destination country
promo_code	alpha-num:20	O	Promo code
message	text:array	O	Optional Message from SENDER to RECEIVER Maximum Length per line is 79 characters Maximum array length is 14
bank_name	text:100	C	Required when transaction type = D2B
account_number	num:50	C	Required when transaction type = D2B
bank_code	alpha-num:20	C	Required when transaction type = D2B
bank_location	alpha-num:20	C	Required when transaction type = D2B
account_suffix	alpha-num:10	C	Required when transaction type = D2B
operator_id	alpha-num:10	M	Operator ID will be provided

			Petnet per partner teller/user
terminal_id	alpha-num:10	M	Terminal ID will be provided by Petnet per partner location
addl_service_charges	text:200	M	Derive value from SendMoney validate
compliance_data_buffer	alpha-num:200	M	Derive value from SendMoney validate
originating_city	alpha-num:50	M	Derive value from SendMoney validate
originating_state	alpha-num:10	M	Derive value from SendMoney validate
financials	array	M	Derive value from SendMoney validate
promotions	array	M	Derive value from SendMoney validate
mtcn	num:10	M	Derive value from SendMoney validate
new_mtcn	num:16	M	Derive value from SendMoney validate
mywu_enroll_tag	alpha:10	M	mywu = when customer has MyWU Number enroll = when customer want to enroll in MyWU Program. This is another way to enroll customer into MyWU aside from stand-alone enrollment none=when customer does not want to enroll to MyWU

Sample JSON Data request:

```
{
    "uspwuapi": {
        "header": {
            "coy": "usp",
            "token": "b0dd9378fb63749c462a66d209b06454",
            "location_code": "6",
            "user_code": "1",
            "clientip": "::1",
            "isweb": "1"
        },
        "body": {
            "module": "wuso",
            "request": "SMstore",
            "param": {
                "foreign_reference_no": "123123sadasd",
                "sender_name_type": "D",
                "sender_first_name": "WINNIE",
                "sender_middle_name": "",
                "sender_last_name": "CONSTANTINO",
                "sender_addr_line1": "CALUMPIT",
                "sender_addr_line2": "",
                "sender_city": "CALUMPIT",
                "sender_state": "REGION 3",
                "sender_postal_code": "3003",
```

PERA HUB

```
"sender_addr_country_code": "PH",
"sender_addr_currency_code": "PHP",
"sender_contact_phone": "6329446115",
"sender_mobile_country_code": "",
"sender_mobile_no": "",
"mywu_number": "185015541",
"id_type": "S",
"id_country_of_issue": "Philippines",
"id_number": "14789654",
"id_issue_date": "02072015",
"id_expiration_date": "12072017",
"date_of_birth": "06041992",
"occupation": "Programmer",
"Country_of_Birth": "Philippines",
"nationality": "Filipino",
"Gender": "F",
"Source_of_Funds": "Personal Loan",
"Sender_Employeer": "Abaris",
"Relationship_to_Receiver": "Father",
"reason_for_send": "228990",
"email": "WINNIEANN.CONSTANTINO@VOXDEISYSTEMS.COM",
"receiver_name_type": "D",
"receiver_first_name": "William",
"receiver_middle_name": "",
"receiver_last_name": "Constantino",
"receiver_addr_line1": "",
"receiver_addr_line2": "",
"receiver_city": "",
"receiver_state": "",
"receiver_postal_code": "",
"receiver_addr_country_code": "PH",
"receiver_addr_currency_code": "PHP",
"receiver_contact_phone": "",
"receiver_mobile_country_code": "",
"receiver_mobile_no": "",
"destination_country_code": "PH",
"destination_currency_code": "PHP",
"destination_state_code": "",
"destination_city_name": "",
"transaction_type": "SO",
"principal_amount": 100000,
"fixed_amount_flag": "N",
"promo_code": "",
"message": [""],
"bank_name": "",
"account_number": "",
"bank_code": "",
"bank_location": "",
"account_suffix": "",
"terminal_id": "WBPt",
"operator_id": "001",
"addl_service_charges":
"1103FEE12041500130415000103MSG020100301021030002201023010900109621010450000202
1003035009703NNN9806PILPIL",
"compliance_data_buffer":
"01082PH_02_S0201S0308147896540611Philippines0708060419920810Programmer090802
```

```
0720151008120720179901X3311Philippines3408Filipino3501F4413Personal
Loan6706Abaris7006Father7401Y",
                              "originating_city": "METRO MANILA",
                              "originating_state": "MA",
                              "financials": {
                                      "taxes": {
                                              "municipal_tax": 0,
                                              "state_tax": 0,
                                              "county_tax": 0
                                      },
                                      "originators_principal_amount": 100000,
                                      "destination_principal_amount": 100000,
                                      "gross_total_amount": 101500,
                                      "plus_charges_amount": 0,
                                      "charges": 1500,
                                      "message_charge": 0
                              },
                              "promotions": {
                                      "promo_code_description": "T3001 Valid promotion with
discount.                                        ",
                                      "promo_name": "A0027 50% OFF CHARGES
",
                                      "promo_message": "A0027 Special 50% Off Charges Intro
",
                                      "promo_discount_amount": 250,
                                      "sender_promo_code": "A0027                "
                              },
                              "mtcn": "9231430092",
                              "new_mtcn": "1711689231430092",
                              "mywu_enroll_tag": "mywu"
                      }
              },
              "signature": "anyvaluesfornow"
      }
}
```

REPONSE Parameters:

Name	Type	Required	Description
advisory_text	alpha-num:50	M	Transaction Date and Time
mtcn	num:10	M	Returned MTCN value
new_mtcn	Num:16	M	Returned NEW MTCN value
filing_date	text	M	Transaction Date
filing_time	text	M	Transaction Time
pin_message	text-array	M	Text array to be printed in Proof of Sendout Form
promo_text_message	text-array	M	Text array to be printed in Proof of Sendout Form
mywu_number	alpha-num:20	C	With value if provided before submit
new_points_earned	num	C	With value if MyWU provided before submit
other_message_1	text-array	O	Text array to be printed in Proof of Sendout Form Reserved field

other_message_2	text-array	O	Text array to be printed in Proof of Sendout Form Reserved field

Sample JSON Data response:

```
{
    "uspwuapi": {
        "header": {
            "errorcode": "1",
            "message": "good"
        },
        "body": {
            "confirmed_details": {
                "advisory_text": "04\/26\/17 22:31",
                "mtcn": "9231430092",
                "new_mtcn": "1711689231430092",
                "filing_date": "04-26",
                "filing_time": "1031P EDT ",
                "pin_message": ["Thank you for joining My WU
program.",
                "Watch out for exciting benefits & exclusive member
offers!",
                "Coming soon! Visit www.westernunion.com.ph for more
information."],
                "promo_text_message": ["Mahalaga sa amin ang iyong
opinyon!",
                "Pumunta sa westernunion.com\/nakikinig at ipaalam sa
amin ang iyong",
                "masasabi tungkol sa aming serbisyo.",
                "",
                "",
                ""],
                "mywu_number": "185015541",
                "new_points_earned": 10,
                "other_message_1": ["",
                "",
                ""],
                "other_message_2": ["",
                "",
                ""]
            }
        }
    }
}
```

3.2.3.3.   SendMoney : Direct to Bank Validate

Use this function to validate transaction Direct To Bank data.

Module: **wuso**
Request: **SMvalidate**

REQUEST Parameters: (Basically the same with SendMoney validate)

Below are parameters to look out:

transaction_type	alpha-num:3	M	SO = Send Money D2B = Direct to Bank MMT = Mobile Money Transfer
bank_name	text:100	C	Required when transaction type = D2B
account_number	num:50	C	Required when transaction type = D2B
bank_code	alpha-num:20	C	Required when transaction type = D2B
bank_location	alpha-num:20	C	Required when transaction type = D2B
account_suffix	alpha-num:10	C	Required when transaction type = D2B

Country Specific REQUIRED FIELDS:
US, INDIA

receiver_addr_line1	text:200	C	Required if Destination Country is US, INDIA
receiver_addr_line2	text:200	O	
receiver_city	text:50	C	Required if Destination Country is US, INDIA
receiver_state	text:100	C	Required if Destination Country is US, INDIA
receiver_postal_code	num:10		Required if Destination Country is US, INDIA

CHINA, INDIA

reason_for_send	text:50	M	of Sender

NEW ZEALAND

bank_location	alpha-num:20		Required when transaction type = D2B
account_suffix	alpha-num:10		Required when transaction type = D2B

Sample JSON Data request:

```
{
    "uspwuapi": {
        "header": {
                "coy": "yondu",
                "token": "2c50721f977156fa99cbaeddcf33edcf",
                "location_code": 6,
                "user_code": 1,
                "clientip": "120.28.158.206",
                "isweb": "1"
        },
        "body": {
                "module": "wuso",
                "request": "SMvalidate",
                "param": {
                        "foreign_reference_no": "398e81a36e6418062337",
                        "sender_name_type": "D",
```

```
"sender_first_name": "JEEVITHA",
"sender_middle_name": "",
"sender_last_name": "RAJESH",
"sender_addr_line1": "7TH AVENUE",
"sender_addr_line2": "",
"sender_city": "EKKATUTHANGAL",
"sender_state": "",
"sender_postal_code": "600032",
"sender_addr_country_code": "PH",
"sender_addr_currency_code": "PHP",
"sender_contact_phone": "9659215933",
"sender_mobile_country_code": "",
"sender_mobile_no": "",
"mywu_number": "",
"id_type": "B",
"id_country_of_issue": "Algeria",
"id_number": "14785236987",
"id_issue_date": "09022017",
"id_expiration_date": "09022019",
"date_of_birth": "09071992",
"occupation": "CIVILSERVANT",
"Country_of_Birth": "Philippines",
"nationality": "Philippines",
"Gender": "F",
"Source_of_Funds": "GIFT",
"Sender_Employeer": "PHILIPPINESGOVT",
"Relationship_to_Receiver": "BROTHER",
"GEN_III_Indicator": "",
"ack_flag": "X",
"reason_for_send": "P102",
"mywu_enroll_tag": "enroll",
"email": "",
"receiver_name_type": "D",
"receiver_first_name": "NARENDRA",
"receiver_middle_name": "",
"receiver_last_name": "MODI",
"receiver_addr_line1": "7th floor",
"receiver_addr_line2": "",
"receiver_city": "kolkata",
"receiver_state": "UTTARAKHAND",
"receiver_postal_code": "58746",
"receiver_addr_country_code": "IN",
"receiver_addr_currency_code": "INR",
"receiver_contact_phone": "919486877788",
"receiver_mobile_country_code": "91",
"receiver_mobile_no": "9486877788",
"destination_country_code": "IN",
"destination_currency_code": "INR",
"destination_state_code": "",
"destination_city_name": "",
"transaction_type": "D2B",
"principal_amount": 14500,
"fixed_amount_flag": "N",
"promo_code": "",
"message": [],
"bank_name": "ICIC",
```

```
                    "account_number": "023201513864",
                    "bank_code": "ICIC0000232",
                    "bank_location": "",
                    "account_suffix": "",
                    "terminal_id": "WBPt",
                    "operator_id": "001",
                    "remote_terminal_id": "",
                    "remote_operator_id": ""
                }
            },
            "signature": "anyvalues"
        }
    }
}
```

REPONSE Parameters:

Name	Type	Required	Description
addl_service_charges	text:200	M	Must be preserve as is since this will be use as parameter in SendMoney Store
compliance_data_buffer	alpha-num:200	M	Must be preserve as is since this will be use as parameter in SendMoney Store
originating_city	alpha-num:50	M	Must be preserve as is since this will be use as parameter in SendMoney Store
originating_state	alpha-num:10	M	Must be preserve as is since this will be use as parameter in SendMoney Store
financials	array	M	The whole array should be preserved as is
promotions	array	M	The whole array should be preserved as is Adjustment required by WU during PI certification
mtcn	num:10	M	Money Transfer Control Number Must be preserve as is since this will be use as parameter in SendMoney Store
new_mtcn	num:16	M	Money Transfer Control Number Must be preserve as is since this will be use as parameter in SendMoney Store

Sample JSON Data response:

```
{
    "uspwuapi": {
        "header": {
            "errorcode": "1",
            "message": "good"
        },
        "body": {
            "service_code": {
```

```
                    "addl_service_charges":
"1103FEE1205500001305500000103MSG0201003010210350022010230109621010450000202
1003035009703NNN9808PILINDBD"
                },
                "compliance": {
                    "compliance_data_buffer":
"01082PH_02_S0201B0311147852369870607Algeria0708090719920812CIVILSERVANT09080
9022017100809022019990IX3311Philippines3411Philippines4404GIFT6715PHILIPPINES
GOVT7007BROTHER7401Y"
                },
                "payment_details": {
                    "originating_city": "METRO MANILA",
                    "originating_state": "MA"
                },
                "financials": {
                    "taxes": {
                        "municipal_tax": 0,
                        "state_tax": 0,
                        "county_tax": 0
                    },
                    "originators_principal_amount": 14500,
                    "destination_principal_amount": 18163,
                    "gross_total_amount": 64500,
                    "plus_charges_amount": 0,
                    "charges": 50000,
                    "message_charge": 0
                },
                "promotions": {
                    "promo_code_description": "",
                    "promo_message": "",
                    "sender_promo_code": ""
                },
                "new_details": {
                    "mtcn": "6631123578",
                    "new_mtcn": "1717386631123578",
                    "filing_date": "06-22",
                    "filing_time": "0221A EDT "
                }
            }
        }
    }
}
```

3.2.3.4.   SendMoney : Direct to Bank Store

Use this API function to save and confirm Direct To Bank Transaction.

Module: **wuso**
Request: **SMstore**

REQUEST Parameters: (Basically the same with SendMoney Store)

Below are parameters to look out:

transaction_type	alpha-num:3	M	SO = Send Money D2B = Direct to Bank MMT = Mobile Money Transfer

bank_name	text:100	C	Required when transaction type = D2B
account_number	num:50	C	Required when transaction type = D2B
bank_code	alpha-num:20	C	Required when transaction type = D2B
bank_location	alpha-num:20	C	Required when transaction type = D2B
account_suffix	alpha-num:10	C	Required when transaction type = D2B

Country Specific REQUIRED FIELDS:

US, INDIA

receiver_addr_line1	text:200	C	Required if Destination Country is US, INDIA
receiver_addr_line2	text:200	O	
receiver_city	text:50	C	Required if Destination Country is US, INDIA
receiver_state	text:100	C	Required if Destination Country is US, INDIA
receiver_postal_code	num:10		Required if Destination Country is US, INDIA

CHINA, INDIA

reason_for_send	text:50	M	of Sender

NEW ZEALAND

bank_location	alpha-num:20		Required when transaction type = D2B
account_suffix	alpha-num:10		Required when transaction type = D2B

Sample JSON Data request:

```json
{
    "uspwuapi": {
        "header": {
            "coy": "yondu",
            "token": "2c50721f977156fa99cbaeddcf33edcf",
            "location_code": 6,
            "user_code": 1,
            "clientip": "120.28.158.206",
            "isweb": "1"
        },
        "body": {
            "module": "wuso",
            "request": "SMstore",
            "param": {
                "foreign_reference_no": "398e81a36e6418062337",
                "sender_name_type": "D",
                "sender_first_name": "JEEVITHA",
                "sender_middle_name": "",
                "sender_last_name": "RAJESH",
                "sender_addr_line1": "7TH AVENUE",
```

"sender_addr_line2": "",
"sender_city": "EKKATUTHANGAL",
"sender_state": "",
"sender_postal_code": "600032",
"sender_addr_country_code": "PH",
"sender_addr_currency_code": "PHP",
"sender_contact_phone": "9659215933",
"sender_mobile_country_code": "",
"sender_mobile_no": "",
"mywu_number": "",
"id_type": "B",
"id_country_of_issue": "Algeria",
"id_number": "14785236987",
"id_issue_date": "09022017",
"id_expiration_date": "09022019",
"date_of_birth": "09071992",
"occupation": "CIVILSERVANT",
"Country_of_Birth": "Philippines",
"nationality": "Philippines",
"Gender": "F",
"Source_of_Funds": "GIFT",
"Sender_Employeer": "PHILIPPINESGOVT",
"Relationship_to_Receiver": "BROTHER",
"reason_for_send": "P102",
"mywu_enroll_tag": "enroll",
"email": "",
"receiver_name_type": "D",
"receiver_first_name": "NARENDRA",
"receiver_middle_name": "",
"receiver_last_name": "MODI",
"receiver_addr_line1": "7th floor",
"receiver_addr_line2": "",
"receiver_city": "kolkata",
"receiver_state": "UTTARAKHAND",
"receiver_postal_code": "58746",
"receiver_addr_country_code": "IN",
"receiver_addr_currency_code": "INR",
"receiver_contact_phone": "919486877788",
"receiver_mobile_country_code": "91",
"receiver_mobile_no": "9486877788",
"destination_country_code": "IN",
"destination_currency_code": "INR",
"destination_state_code": "",
"destination_city_name": "",
"transaction_type": "D2B",
"principal_amount": 14500,
"fixed_amount_flag": "N",
"promo_code": "",
"message": [],
"bank_name": "ICIC",
"account_number": "023201513864",
"bank_code": "ICIC0000232",
"bank_location": "",
"account_suffix": "",
"terminal_id": "WBPt",
"operator_id": "001",

```
                    "remote_terminal_id": "",
                    "remote_operator_id": "",
                    "addl_service_charges":
"1103FEE120550000130550000103MSG020100301021035002201023010962101045000020210
03035009703NNN9808PILINDBD",
                    "compliance_data_buffer":
"01082PH_02_S0201B0311147852369870607Algeria0708090719920812CIVILSERVANT09080
9022017100809022019990IX3311Philippines3411Philippines4404GIFT6715PHILIPPINES
GOVT7007BROTHER7401Y",
                    "originating_city": "METRO MANILA",
                    "originating_state": "MA",
                    "financials": {
                         "taxes": {
                              "municipal_tax": 0,
                              "state_tax": 0,
                              "county_tax": 0
                         },
                         "originators_principal_amount": 14500,
                         "destination_principal_amount": 18163,
                         "gross_total_amount": 64500,
                         "plus_charges_amount": 0,
                         "charges": 50000,
                         "message_charge": 0
                    },
                    "promotions": {
                         "promo_code_description": "",
                         "promo_message": "",
                         "sender_promo_code": ""
                    },
                    "mtcn": "6631123578",
                    "new_mtcn": "1717386631123578",
                    "exchange_rate": "1.2526294"
               }
          },
          "signature": "anyvalues"
     }
}
```

REPONSE Parameters:

Name	Type	Required	Description
advisory_text	alpha-num:50	M	Transaction Date and Time
mtcn	num:10	M	Returned MTCN value
new_mtcn	Num:16	M	Returned NEW MTCN value
filing_date	text	M	Transaction Date
filing_time	text	M	Transaction Time
pin_message	text-array	M	Text array to be printed in Proof of Sendout Form
promo_text_message	text-array	M	Text array to be printed in Proof of Sendout Form
mywu_number	alpha-num:20	C	With value if provided before submit
new_points_earned	num	C	With value if MyWU provided before submit
other_message_1	text-array	O	Text array to be printed in Proof of Sendout Form

			Reserved field
other_message_2	text-array	O	Text array to be printed in Proof of Sendout Form Reserved field

Sample JSON Data response:

```
{
    "uspwuapi": {
        "header": {
            "errorcode": "1",
            "message": "good"
        },
        "body": {
            "confirmed_details": {
                "advisory_text": "06\/22\/17 02:22",
                "mtcn": "6631123578",
                "new_mtcn": "1717386631123578",
                "filing_date": "06-22",
                "filing_time": "0222A EDT ",
                "pin_message": ["Thank you for joining My WU
program.",
                "Watch out for exciting benefits & exclusive member
offers!",
                "Coming soon! Visit www.westernunion.com.ph for more
information."],
                "promo_text_message": ["Mahalaga sa amin ang iyong
opinyon!",
                "Pumunta sa westernunion.com\/nakikinig at ipaalam sa
amin ang iyong",
                "masasabi tungkol sa aming serbisyo.",
                "",
                "",
                ""],
                "mywu_number": "175457673",
                "new_points_earned": 30,
                "other_message_1": ["",
                "",
                ""],
                "other_message_2": ["",
                "",
                ""]
            }
        }
    }
}
```

3.2.3.5. SendMoney : Cash to Mobile Validate 💬

Use this function to validate transaction Cash to Mobile/Mobile Money Transfer data.

Module: **wuso**
Request: **SMvalidate**

REQUEST Parameters: (Basically the same with SendMoney validate)

Below are parameters to look out:

transaction_type	alpha-num:3	M	SO = Send Money D2B = Direct to Bank MMT = Mobile Money Transfer
sender_mobile_country_code	num:3	O	Mobile Country Code
sender_mobile_no	num:20	O	Mobile Number
receiver_mobile_country_code	num:3	C	Required if transactions type is MMT Required if Destination Country is CHINA, INDIA, NIGERIA, USA and transaction type is D2B
receiver_mobile_no	num:20	C	Required if transactions type is MMT Required if Destination Country is CHINA, INDIA, NIGERIA, USA and transaction type is D2B

3.2.3.6. SendMoney : Cash to Mobile Store 💬

Use this API function to save and confirm Cash to Mobile/Mobile Money Transfer Transaction.

Module: **wuso**
Request: **SMstore**

REQUEST Parameters: (Basically the same with SendMoney Store)

Below are parameters to look out:

transaction_type	alpha-num:3	M	SO = Send Money D2B = Direct to Bank MMT = Mobile Money Transfer
sender_mobile_country_code	num:3	O	Mobile Country Code
sender_mobile_no	num:20	O	Mobile Number
receiver_mobile_country_code	num:3	C	Required if transactions type is MMT Required if Destination Country is CHINA, INDIA, NIGERIA, USA and transaction type is D2B
receiver_mobile_no	num:20	C	Required if transactions type is MMT Required if Destination Country is CHINA, INDIA, NIGERIA,

			USA and transaction type is D2B

3.2.4. QuickPay

3.2.4.1. QuickPay Validate

Use this function to validate transaction Quick Pay data

Module: **wuqp**
Request: **QPvalidate**

REQUEST Parameters:

Name	Type	Required	Description
foreign_reference_no	alpha-num:50	M	This will be provided upon Sign-on (for the meantime, please use any value)
sender_name_type	alpha:1	M	D = Firstname/LastName M = Paternal/Maternal (WU Advised to use option D in case customer or teller encountered this name type)
sender_first_name	alpha:100	M	First Name
sender_middle_name	alpha:100	M	
sender_last_name	text:200	M	Last Name
sender_addr_line1	text:200	M	
sender_addr_line2	text:200	O	
sender_city	text:50	M	City / Municipality
sender_state	text:100	M	State / Province / Region
sender_postal_code	num:10	M	
sender_addr_country_code	alpha:2	M	2 letter ISO country code
sender_addr_currency_code	alpha:3	M	3 letter ISO currency code
sender_contact_phone	num:30	O	Format should be Mobile Country Code + phone number
sender_mobile_country_code	num:3	O	Mobile Country Code
sender_mobile_no	num:20	O	Mobile Number
mywu_number	num:20	O	MyWU number
mywu_enroll_tag	alpha:10	M	mywu = when customer has MyWU Number enroll = when customer want to enroll in MyWU Program. This is another way to enroll customer into MyWU aside from stand-alone enrollment none=when customer does not want to enroll to MyWU
id_type	text:20	M	Refer to IDTypeList
id_country_of_issue	text:100	M	of Sender
id_number	text:50	M	of Sender

id_issue_date	date: ddmmyyyy	M	of Sender
id_expiration_date	date: ddmmyyyy	C	of Sender (required depends on ID Type)
date_of_birth	date: ddmmyyyy	M	of Sender
occupation	text:100	M	of Sender
Country_of_Birth	text:100	M	of Sender
nationality	text:100	M	of Sender
Gender	text:1	M	of Sender
Source_of_Funds	text:50	M	of Sender
Sender_Employeer	text:50	M	of Sender
Relationship_to_Receiver	text:50	M	of Sender
reason_for_send	text:50	M	of Sender
GEN_III_Indicator	num:1	M	Value should be "1" if compliance lookup is successful Otherwise BLANK or NULL Adjustment required by WU during PI certification
ack_flag	alpha:1	M	Acknowledgement Flag that users has entered correct values, Required by WU Value to pass is "X" Adjustment required by WU during PI certification
email	email	O	of Sender
company_name	alpha:100	M	Company Name/Recipient of Money Transfer. Please Refer to Company List JSON Data provided
company_code	alpha:100	M	Company Code/Recipient of Money Transfer. Please Refer to Company List JSON Data provided
company_account_code	alpha:100	M	Company Acount Code/Recipient of Money Transfer. Please Refer to Company List JSON Data provided
reference_no	text:100	M	Reference Number from the customer
destination_country_code	alpha:2	M	2 letter ISO country code
destination_currency_code	alpha:3	M	3 letter ISO currency code
transaction_type	alpha-num:3	M	QP = QuickPay
principal_amount	num	M	Amount to Send
fixed_amount_flag	alpha:1	M	F if customer wants a fixed principal amount in the destination country and will not

			be subject to currency fluctuation. Otherwise N
promo_code	alpha-num:20	O	Promo code
message	text:array	O	Optional Message from SENDER to RECEIVER Maximum Length per line is 79 characters Maximum array length is 14
operator_id	alpha-num:10	M	Operator ID will be provided Petnet per partner teller/user
terminal_id	alpha-num:10	M	Terminal ID will be provided by Petnet per partner location

Sample JSON Data request:

```
{
    "uspwuapi": {
        "header": {
            "coy": "usp",
            "token": "b0dd9378fb63749c462a66d209b06454",
            "location_code": "6",
            "user_code": "1",
            "clientip": "::1",
            "isweb": "1"
        },
        "body": {
            "module": "wuso",
            "request": "SMvalidate",
            "param": {
                "foreign_reference_no": "sample-0001",
                "sender_name_type": "D",
                "sender_first_name": "WINNIE",
                "sender_middle_name": "",
                "sender_last_name": "CONSTANTINO",
                "sender_addr_line1": "CALUMPIT",
                "sender_addr_line2": "BLANK IF NOT USED",
                "sender_city": "CALUMPIT",
                "sender_state": "REGION 3",
                "sender_postal_code": "3003",
                "sender_addr_country_code": "PH",
                "sender_addr_currency_code": "PHP",
                "sender_addr_country_name": "PHILIPPINES",
                "sender_contact_phone": "6329446115",
                "sender_mobile_country_code": "63",
                "sender_mobile_no": "9175337900",
                "mywu_number": "185015541",
                "id_type": "B",
                "id_country_of_issue": "PHILIPPINES",
                "id_number": "1234567890",
                "id_issue_date": "01122015",
                "id_expiration_date": "01122018",
                "date_of_birth": "01121996",
                "occupation": "Employee",
                "Country_of_Birth": "PHILIPPINES",
                "nationality": "FILIPINO",
                "Gender": "F",
```

```
                            "Source_of_Funds": "Employment",
                            "Sender_Employeer": "Vox Dei",
                            "Relationship_to_Receiver": "Client",
                            "reason_for_send": "228990",
                            "GEN_III_Indicator": "",
                            "ack_flag": "X",
                            "email": "WINNIEANN.CONSTANTINO@VOXDEISYSTEMS.COM",
                            "company_name": "TESTING ONLY",
                            "company_code": "1A IA",
                            "company_account_code": "123123123123",
                            "reference_no": "123123123",
                            "destination_country_code": "US",
                            "destination_currency_code": "USD",
                            "transaction_type": "QP",
                            "principal_amount": "150000",
                            "fixed_amount_flag": "F",
                            "promo_code": "",
                            "terminal_id": "WBPt",
                            "operator_id": "001",
                            "remote_terminal_id": "",
                            "remote_operator_id": ""
                    }
            },
            "signature": "anyvaluesfornow"
        }
}
```

REPONSE Parameters:

Name	Type	Required	Description
addl_service_charges	text:200	M	Must be preserve as is since this will be use as parameter in SendMoney Store
compliance_data_buffer	alpha-num:200	M	Must be preserve as is since this will be use as parameter in SendMoney Store
originating_city	alpha-num:50	M	Must be preserve as is since this will be use as parameter in SendMoney Store
originating_state	alpha-num:10	M	Must be preserve as is since this will be use as parameter in SendMoney Store
financials	array	M	The whole array should be preserved as is
promotions	array	M	The whole array should be preserved as is Adjustment required by WU during PI certification
mtcn	num:10	M	Money Transfer Control Number Must be preserve as is since this will be use as parameter in SendMoney Store
new_mtcn	num:16	M	Money Transfer Control Number Must be preserve as is since this will be use as parameter in SendMoney Store

Sample JSON Data response:

```json
{
    "uspwuapi": {
        "header": {
            "errorcode": "1",
            "message": "good"
        },
        "body": {
            "service_code": {
                "addl_service_charges":
"1103FEE1205375001305375000103MSG020100301090010961501010020100301097 03NNN980
7PILQQCU",
                "addl_service_block": {
                    "addl_service_length": 377,
                    "addl_service_data_buffer": ""
                }
            },
            "compliance": {
                "compliance_flags_buffer": "",
                "compliance_data_buffer":
"01082PH_02_S0201S0308147896540611Philippines0708120419910810Programmer090802
072015100812072017990 1X3311Philippines3408Filipino3501F4413Personal
Loan6706Abaris7006Friend7401YB4014"
            },
            "payment_details": {
                "originating_city": "METRO MANILA",
                "originating_state": "MA"
            },
            "financials": {
                "taxes": {
                    "municipal_tax": 0,
                    "state_tax": 0,
                    "county_tax": 0
                },
                "originators_principal_amount": 30000,
                "destination_principal_amount": 585,
                "gross_total_amount": 67500,
                "plus_charges_amount": 0,
                "charges": 37500
            },
            "promotions": {
                "promo_code_description": "T3001 Valid promotion with
discount.                                  ",
                "promo_name": "A0027 50% OFF CHARGES
",
                "promo_message": "A0027 Special 50% Off Charges Intro
",
                "promo_discount_amount": 250,
                "sender_promo_code": "A0027                "
            },
            "new_details": {
                "mtcn": "1671430550",
                "new_mtcn": "1711681671430550",
                "filing_date": "04-26",
                "filing_time": "1111P EDT"
            }
```

```
                }
            }
        }
```

3.2.4.2.   QuickPay Store   💬

Use this API to store confirmed data for Quick Pay Transaction type.

Module: **wuqp**
Request: **QPstore**

REQUEST Parameters:

Name	Type	Required	Description
foreign_reference_no	alpha-num:50	M	This will be provided upon Sign-on (for the meantime, please use any value)
sender_name_type	alpha:1	M	D = Firstname/LastName M = Paternal/Maternal (WU Advised to use option D in case customer or teller encountered this name type)
sender_first_name	alpha:100	M	First Name
sender_middle_name	alpha:100	M	
sender_last_name	text:200	M	Last Name
sender_addr_line1	text:200	M	
sender_addr_line2	text:200	O	
sender_city	text:50	M	City / Municipality
sender_state	text:100	M	State / Province / Region
sender_postal_code	num:10	M	
sender_addr_country_code	alpha:2	M	2 letter ISO country code
sender_addr_currency_code	alpha:3	M	3 letter ISO currency code
sender_contact_phone	num:30	O	Format should be Mobile Country Code + phone number
sender_mobile_country_code	num:3	O	Mobile Country Code
sender_mobile_no	num:20	O	Mobile Number
mywu_number	num:20	O	MyWU number
id_type	text:20	M	Refer to IDTypeList
id_country_of_issue	text:100	M	of Sender
id_number	text:50	M	of Sender
id_issue_date	date: ddmmyyyy	M	of Sender
id_expiration_date	date: ddmmyyyy	C	of Sender (required depends on ID Type)
date_of_birth	date: ddmmyyyy	M	of Sender
occupation	text:100	M	of Sender
Country_of_Birth	text:100	M	of Sender
nationality	text:100	M	of Sender
Gender	text:1	M	of Sender
Source_of_Funds	text:50	M	of Sender
Sender_Employeer	text:50	M	of Sender

Relationship_to_Receiver	text:50	M	of Sender
reason_for_send	text:50	M	of Sender
email	email	O	of Sender
company_name	alpha:100	M	Company Name/Recipient of Money Transfer. Please Refer to Company List JSON Data provided
company_code	alpha:100	M	Company Code/Recipient of Money Transfer. Please Refer to Company List JSON Data provided
company_account_code	alpha:100	M	Company Acount Code/Recipient of Money Transfer. Please Refer to Company List JSON Data provided
reference_no	text:100	M	Reference Number from the customer
destination_country_code	alpha:2	M	2 letter ISO country code
destination_currency_code	alpha:3	M	3 letter ISO currency code
destination_state_code	alpha-num:20	C	Required if Destination Country is USA and Mexico
destination_city_name	text:50	C	Required if Destination Country is USA and Mexico
transaction_type	alpha-num:3	M	SO = Send Money D2B = Direct to Bank MMT = Mobile Money Transfer
principal_amount	num	M	Amount to Send
fixed_amount_flag	alpha:1	M	F if customer wants a fixed principal amount in the destination country and will not be subject to currency fluctuation. Otherwise N
exchange_rate	num	M	Currency exchange rate of PHP vs Currency of destination country
promo_code	alpha-num:20	O	Promo code
message	text:array	O	Optional Message from SENDER to RECEIVER Maximum Length per line is 79 characters Maximum array length is 14
bank_name	text:100	C	Required when transaction type = D2B
account_number	num:50	C	Required when transaction type = D2B
bank_code	alpha-num:20	C	Required when transaction type = D2B
bank_location	alpha-num:20	C	Required when transaction type = D2B
account_suffix	alpha-num:10	C	Required when transaction type = D2B
operator_id	alpha-num:10	M	Operator ID will be provided Petnet per partner teller/user

terminal_id	alpha-num:10	M	Terminal ID will be provided by Petnet per partner location
addl_service_charges	text:200	M	Derive value from SendMoney validate
compliance_data_buffer	alpha-num:200	M	Derive value from SendMoney validate
originating_city	alpha-num:50	M	Derive value from SendMoney validate
originating_state	alpha-num:10	M	Derive value from SendMoney validate
financials	array	M	Derive value from SendMoney validate
promotions	array	M	The whole array should be preserved as is Adjustment required by WU during PI certification
mtcn	num:10	M	Derive value from SendMoney validate
new_mtcn	num:16	M	Derive value from SendMoney validate
mywu_enroll_tag	alpha:10	M	mywu = when customer has MyWU Number enroll = when customer want to enroll in MyWU Program. This is another way to enroll customer into MyWU aside from stand-alone enrollment none=when customer does not want to enroll to MyWU

Sample JSON Data request:

```
{{
    "uspwuapi": {
        "header": {
            "coy": "usp",
            "token": "b0dd9378fb63749c462a66d209b06454",
            "location_code": "6",
            "user_code": "1",
            "clientip": "::1",
            "isweb": "1"
        },
        "body": {
            "module": "wuqp",
            "request": "QPstore",
            "param": {
                "foreign_reference_no": "123123sadasd",
                "sender_name_type": "D",
                "sender_first_name": "WINNIE",
                "sender_middle_name": "",
                "sender_last_name": "CONSTANTINO",
                "sender_addr_line1": "CALUMPIT",
                "sender_addr_line2": "",
                "sender_city": "CALUMPIT",
```

```
                    "sender_state": "REGION 3",
                    "sender_postal_code": "3003",
                    "sender_addr_country_code": "PH",
                    "sender_addr_currency_code": "PHP",
                    "sender_addr_country_name": "Philippines",
                    "sender_contact_phone": "6329446115",
                    "sender_mobile_country_code": "",
                    "sender_mobile_no": "",
                    "mywu_number": "185015541",
                    "id_type": "S",
                    "id_country_of_issue": "Philippines",
                    "id_number": "14789654",
                    "id_issue_date": "02072015",
                    "id_expiration_date": "12072017",
                    "date_of_birth": "12041991",
                    "occupation": "Programmer",
                    "Country_of_Birth": "Philippines",
                    "nationality": "Filipino",
                    "Gender": "F",
                    "Source_of_Funds": "Personal Loan",
                    "Sender_Employeer": "Abaris",
                    "Relationship_to_Receiver": "Friend",
                    "reason_for_send": "Purchase of Real Estate",
                    "email": "WINNIEANN.CONSTANTINO@VOXDEISYSTEMS.COM",
                    "company_name": "TESTING ONLY",
                    "company_code": "1A IA",
                    "company_account_code": "123123123123",
                    "reference_no": "123123123",
                    "destination_country_code": "US",
                    "destination_currency_code": "USD",
                    "destination_state_code": "",
                    "destination_city_name": "",
                    "transaction_type": "QP",
                    "principal_amount": 30000,
                    "fixed_amount_flag": "N",
                    "promo_code": "",
                    "message": [],
                    "terminal_id": "WBPt",
                    "operator_id": "001",
                    "remote_terminal_id": "",
                    "remote_operator_id": "",
                    "addl_service_charges":
"1103FEE1205375001305375000103MSG02010030109001096150101002010030109703NNN980
7PILQQCU",
                    "compliance_data_buffer":
"01082PH_02_S0201S0308147896540611Philippines0708120419910810Programmer090802
072015100812072017990lX3311Philippines3408Filipino3501F4413Personal
Loan6706Abaris7006Friend7401YB4014",
                    "originating_city": "METRO MANILA                    ",
                    "originating_state": "MA",
                    "financials": {
                        "taxes": {
                            "municipal_tax": 0,
                            "state_tax": 0,
                            "county_tax": 0
                        },
```

```
                    "originators_principal_amount": 30000,
                    "destination_principal_amount": 585,
                    "gross_total_amount": 67500,
                    "plus_charges_amount": 0,
                    "charges": 37500,
                    "message_charge": 0
                },
                "promotions": {
                    "promo_code_description": "T3001 Valid
promotion with discount.                             ",
                    "promo_name": "A0027 50% OFF CHARGES
",
                    "promo_message": "A0027 Special 50% Off
Charges Intro                                        ",
                    "promo_discount_amount": 250,
                    "sender_promo_code": "A0027           "
                },
                "mtcn": "1671430550",
                "new_mtcn": "1711681671430550",
                "mywu_enroll_tag": "mywu"
            }
        },
        "signature": "anyvaluefornow"
    }
}
```

REPONSE Parameters:

Name	Type	Required	Description
advisory_text	alpha-num:50	M	Transaction Date and Time
mtcn	num:10	M	Returned MTCN value
new_mtcn	Num:16	M	Returned NEW MTCN value
filing_date	text	M	Transaction Date
filing_time	text	M	Transaction Time
pin_message	text-array	M	Text array to be printed in Proof of Sendout Form
promo_text_message	text-array	M	Text array to be printed in Proof of Sendout Form
mywu_number	alpha-num:20	C	With value if provided before submit
new_points_earned	num	C	With value if MyWU provided before submit
other_message_1	text-array	O	Text array to be printed in Proof of Sendout Form

Reserved field |
| other_message_2 | text-array | O | Text array to be printed in Proof of Sendout Form

Reserved field |

Sample JSON Data response:
```
{
    "uspwuapi": {
        "header": {
            "errorcode": "1",
```

```
                "message": "good"
            },
            "body": {
                "confirmed_details": {
                    "advisory_text": "04\/26\/17 23:11",
                    "mtcn": "1671430550",
                    "new_mtcn": "1711681671430550",
                    "filing_date": "04-26",
                    "filing_time": "1111P EDT",
                    "pin_message": ["Thank you for joining My WU program.",
"Watch out for exciting benefits & exclusive member offers!", "Coming soon!
Visit www.westernunion.com.ph for more information."],
                    "promo_text_message": ["", "", "", "", "", ""],
                    "mywu_number": "185015541",
                    "new_points_earned": 30,
                    "other_message_1": "",
                    "other_message_2": ""
                }
            }
        }
    }
}
```

3.2.5. ReceiveMoney

3.2.5.1.   ReceiveMoney Search

Use this API to search Money Transfer available and waiting to be paid to the intended customer.

Module: **wupo**
Request: **search**

REQUEST Parameters:

Name	Type	Required	Description
foreign_reference_no	alpha-num:50	M	This will be provided upon Sign-on (for the meantime, please use any value)
mtcn	num:10	M	Money Transfer Control Number
pd_dest_currency_code	alpha:3	M	3 letter ISO currency code, Currency Option by Customer (Payout in PHP or USD)
operator_id	alpha-num:10	M	Operator ID will be provided Petnet per partner teller/user
terminal_id	alpha-num:10	M	Terminal ID will be provided by Petnet per partner location

Sample JSON Data request:

```
{
    "uspwuapi": {
        "header": {
            "coy": "usp",
            "token": "b0dd9378fb63749c462a66d209b06454",
            "location_code": "1",
            "user_code": "1",
```

```
                    "clientip": "::1",
                    "isweb": "1"
            },
            "body": {
                    "module": "wupo",
                    "request": "search",
                    "param": {
                            "foreign_reference_no": "LBCSAMPLE0001",
                            "mtcn": "6980850750",
                            "pd_dest_currency_code": "USD",
                            "operator_id": "001",
                            "terminal_id": "WBPt"
                    }
            },
            "signature": "anyvaluesfornow"
    }
}
```

REPONSE Parameters:

Name	Type	Required	Description
payment_transaction	array	M	Array containing all details of money transfer to be paid.
sender	array	M	Sub-array of under payment transaction containing details pertaining to **sender** of money transfer
receiver	array		Sub-array of under payment transaction containing details pertaining to **recipient** of money transfer
financials	array	M	Sub-array of under payment transaction containing details pertaining to breakdown of amount
payment_details	array	M	Sub-array of under payment transaction containing details pertaining to ORIGIN and DESTINATION information of money transfer
payment_transaction: pay_status_description	alpha:10	M	<mark>W/C</mark> = will call or available and can be paid PAID = already paid HOLD = if on hold
gross_payout	num	M	Gross Amount to be paid to customer. Equal to Net Payout if money transfer origination within Philippines
dst	num	M	Documentary Stamp Tax, for Philippines. to be deducted from Gross Amount

			Normally have value when money transfer originated from outside Philippines.
net_payout	num	M	Net Amount to be paid to customer

Sample JSON Data response:

```
{
    "uspwuapi": {
        "header": {
            "errorcode": "1",
            "message": "good"
        },
        "body": {
            "payment_transaction": {
                "sender": {
                    "name": {
                        "name_type": "D",
                        "first_name": "WILLIAM",
                        "last_name": "CONSTANTINO"
                    },
                    "address": {
                        "city": "CALUMPIT",
                        "state": "BULACAN",
                        "country_code": {
                            "iso_code": {
                                "country_code": "PH",
                                "currency_code": "PHP"
                            }
                        },
                        "state_zip": "3003",
                        "street": "PUNGO"
                    },
                    "contact_phone": "639479976352",
                    "mobile_phone": {
                        "phone_number": []
                    },
                    "mobile_details": []
                },
                "receiver": {
                    "name": {
                        "name_type": "D",
                        "first_name": "WINNIE",
                        "last_name": "CONSTANTINO"
                    },
                    "address": {
                        "country_code": {
                            "iso_code": {
                                "country_code": "PH",
                                "currency_code": "PHP"
                            }
                        }
                    },
                    "preferred_customer": {
                        "mywu_number": ""
                    },
```

```
                    "mobile_phone": {
                            "phone_number": []
                    },
                    "mobile_details": []
            },
            "financials": {
                    "taxes": {
                            "tax_worksheet": ""
                    },
                    "gross_total_amount": 50500,
                    "pay_amount": 50000,
                    "principal_amount": 50000,
                    "charges": 500,
                    "tolls": 0
            },
            "payment_details": {
                    "expected_payout_location": {
                            "state_code": "",
                            "city": ""
                    },
                    "destination_country_currency": {
                            "iso_code": {
                                    "country_code": "PH",
                                    "currency_code": "PHP"
                            }
                    },
                    "originating_country_currency": {
                            "iso_code": {
                                    "country_code": "PH",
                                    "currency_code": "PHP"
                            }
                    },
                    "originating_city": "METRO MANILAPI1",
                    "transaction_type": "WMF",
                    "exchange_rate": 1,
                    "original_destination_country_currency": {
                            "iso_code": {
                                    "country_code": "PH",
                                    "currency_code": "PHP"
                            }
                    }
            },
            "filing_date": "04-25-17 ",
            "filing_time": "0244A EDT",
            "money_transfer_key": "3623964162",
            "pay_status_description": "W\/C",
            "mtcn": "6980850750",
            "new_mtcn": "1711586980850750",
            "fusion": {
                    "fusion_status": "W\/C",
                    "account_number": ""
            },
            "wu_network_agent_indicator": ""
    },
    "gross_payout": 50000,
    "dst": 0,
```

```
            "net_payout": 50000
        }
    }
}
```

3.2.5.2.   ReceiveMoney Pay 💬

Use this API to confirm payout of money transfer.

Module: **wupo**
Request: **pay**

REQUEST Parameters:

Name	Type	Required	Description
foreign_reference_no	alpha-num:50	M	This will be provided upon Sign-on (for the meantime, please use any value)
receiver_name_type	alpha:1	M	Should be marked "D" in most cases
receiver_first_name	alpha:100	M	First Name
receiver_last_name	alpha:100	M	Last Name
sender_first_name	alpha:100	M	First Name
sender_last_name	alpha:100	M	Last Name
receiver_city	text:50	M	City / Municipality
receiver_state	text:100	M	State / Province / Region
receiver_country_code	alpha:2	M	2 letter ISO country code
receiver_currency_code	alpha:3	M	3 letter ISO currency code
receiver_state_zip	email	O	Valid email format
receiver_street			
id_type	text:20	M	Refer to IDTypeList
id_country_of_issue	text:100	M	of Recipient
id_number	text:50	M	of Recipient
id_issue_date	date: ddmmyyyy	M	of Recipient
id_expiration_date	date: ddmmyyyy	C	of Recipient (required depends on ID Type)
date_of_birth	date: ddmmyyyy	M	of Recipient
occupation	text:100	M	of Recipient
addr_line1	text:200	M	of Recipient
curr_city	text:50	M	City / Municipality of Recipient
curr_state_name	text:100	M	State / Province / Region of Recipient
postal_code	num:10	M	of Recipient

PERA HUB

country			of Recipient
contact_phone	num:30	O	Format should be Mobile Country Code + phone number
Country_of_Birth	alpha:2	M	2 letter ISO country code
nationality	text:100	M	of Recipient
Source_of_Funds	text:100	M	of Recipient
Name_of_Employer_Business	text:100	M	of Recipient
Relationship_to_Receiver_Sender	text:100	M	of Recipient
Does_the_ID_have_an_expiration_date	alpha:1	M	Should be marked "Y" if ID provided by customer has expiration, otherwise "N"
Does_receiver_have_a_phone_number	alpha:1	M	Should be marked "Y" if ID provided by have phone number provided, otherwise "N"
ack_flag	alpha:1	M	Marked as "X"
GEN_III_Indicator	alpha:1	M	Marked as "1"
pd_state_code	text	M	from search response payment_details > expected_payout_location
pd_city	text	M	from search response payment_details > expected_payout_location
pd_dest_country_code	alpha:2	M	from search response payment_details > destination_country
pd_dest_currency_code	alpha:3	M	from search response payment_details > destination_country
pd_orig_country_code	alpha:2	M	from search response payment_details > originating_country
pd_orig_currency_code	alpha:3	M	from search response payment_details > originating_country
pd_originating_city	text	M	from search response payment_details > expected_payout_location
pd_transaction_type	alphanum:5	M	from search response payment_details > transaction_type
pd_exchange_rate	num	M	from search response payment_details > exchange_rate
pd_orig_dest_country_currency_country_code	alpha:2	M	from search response payment_details > original_destination
pd_orig_dest_country_currency_currency_	alpha:3	M	from search response

code			payment_details > original_destination
gross_total_amount	num	M	Gross Amount details on country of origin
pay_amount	num	M	Principal Amount details on destination country
principal_amount	num	M	Principal Amount details on country of origin
charges	num	M	Charges/ Fees details on country of origin
tolls	num	M	Toll Fees on country of origin
money_transfer_key	num:10	M	10 digit Money Transfer control key, From search response parameters
new_mtcn	num:16	M	16 digit Money Transfer Control Number
mtcn	num:10	M	10 digit Money Transfer Control Number
pay_or_do_not_pay_indicator	alpha:1	M	Should be Marked "P"
rec_mob_country_code	num:3	O	Mobile Country Code
national_number	num:20	O	Mobile Number
telephone_city_code	num:3	O	Mobile Country Code
filing_time	text	M	from search response
filing_date	text	M	from search response
message	array	O	from search response
client_reference_no	text	M	Reference Number of Partner's System Should be unique
real_principal_amount	num	M	Gross Principal Amount in destination country
dst_amount	num	M	DST amount
real_net_amount	num	M	NET Amount to release to recipient
user_code			user code of user/teller from partner's system
customer_code	alphnum:20	O	Customer code to be provided if mobile customer Otherwise leave blank
operator_id	alpha-num:10	M	Operator ID will be provided Petnet per partner teller/user
terminal_id	alpha-num:10	M	Terminal ID will be provided by Petnet per partner location
remote_terminal_id	alpha-num:10	M	Operator ID will be provided Petnet per partner teller/user

			Equal to Terminal ID
remote_operator_id	alpha-num:10	M	Terminal ID will be provided by Petnet per partner location Equal to Terminal ID
mywu_number	num:20	O	MyWU Number of the customer if customer is existing MyWU Customer. Otherwise leave blank

Sample JSON Data request:

```
{
    "uspwuapi" : {
        "header" : {
            "coy" : "usp",
            "token" : "0dc1aac91226345d7feccbc08cf47f39",
            "location_code" : "8",
            "user_code" : "4",
            "clientip" : "127.0.0.1",
            "isweb" : "1"
        },
        "body" : {
            "module" : "wupo",
            "request" : "pay",
            "param" : {
                "foreign_reference_no" : "12121212547",
                "receiver_name_type" : "D",
                "receiver_first_name" : "JERICA",
                "receiver_last_name" : "NAPARATE",
                "sender_first_name" : "WINNIE",
                "sender_last_name" : "CONSTANTINO",
                "receiver_city" : "CALOOCAN CITY",
                "receiver_state" : "MANILA",
                "receiver_country_code" : "PH",
                "receiver_currency_code" : "PHP",
                "receiver_state_zip" : "1420",
                "receiver_street" : "",
                "id_type" : "A",
                "id_country_of_issue" : "Philippines",
                "id_number" : "0987654321",
                "id_issue_date" : "01122012",
                "id_expiration_date" : "01122017",
                "date_of_birth" : "10081996",
                "occupation" : "Programmer",
                "addr_line1" : "1953 Ph 3b Block 6 Lot 9 Camarin",
                "curr_city" : "CALOOCAN CITY",
                "curr_state_name" : "MANILA",
                "postal_code" : "1420",
                "country" : "PH",
                "contact_phone" : "9089488895",
                "Country_of_Birth" : "Philippines",
                "nationality" : "Filipino",
```

```
                                "Source_of_Funds" : "Medical Expenses",
                                "Name_of_Employer_Business" : "Abaris Technologies",
                                "Relationship_to_Receiver_Sender" : "Spouse",
                                "Does_the_ID_have_an_expiration_date" : "Y",
                                "Does_receiver_have_a_phone_number" : "N",
                                "ack_flag" : "X",
                                "GEN_III_Indicator" : "1",
                                "pd_state_code" : "",
                                "pd_city" : "",
                                "pd_dest_country_code" : "PH",
                                "pd_dest_currency_code" : "PHP",
                                "pd_orig_country_code" : "PH",
                                "pd_orig_currency_code" : "PHP",
                                "pd_originating_city" : "METRO MANILAPI1",
                                "pd_transaction_type" : "WMF",
                                "pd_exchange_rate" : "1",
                                "pd_orig_dest_country_currency_country_code" : "PH",
                                "pd_orig_dest_country_currency_currency_code" :
"PHP",
                                "gross_total_amount" : "6500",
                                "pay_amount" : "1000",
                                "principal_amount" : "1000",
                                "charges" : "500",
                                "tolls" : "5000",
                                "money_transfer_key" : "3623993857",
                                "new_mtcn" : "1712884940856864",
                                "mtcn" : "4940856864",
                                "pay_or_do_not_pay_indicator" : "P",
                                "rec_mob_country_code" : "63",
                                "national_number" : "9089488895",
                                "telephone_city_code" : "",
                                "filing_time" : "0719A EDT",
                                "filing_date" : "05-08-17 ",
                                "message" : {
                                        "message_details" : "Sample message here
"
                                },
                                "client_reference_no" : "WBPt201705110001",
                                "real_principal_amount" : "10",
                                "dst_amount" : "0",
                                "real_net_amount" : "10",
                                "user_code" : "000003",
                                "customer_code" : "HOIFLGNNWR",
                                "terminal_id" : "WBPt",
                                "operator_id" : "001",
                                "remote_terminal_id" : "",
                                "remote_operator_id" : "",
                                "mywu_number" : "181595968"
                        }
                },
                "signature" : "“
        }
}
```

REPONSE Parameters:

Name	Type	Required	Description
confirmed_details	array	M	Array containing the reply if pay

				was successful.
advisory_text	text	O	Reserved field for other information regarding money transfer
new_points_earned	num	M	Points earned by MyWUNumber if provided on submit of pay request.
paid_date_time	datetime	M	Timestamp of actual date and time money transfer was paid in the system.
host_message_set1	text	O	Reserved field1 for other messages from WU.
host_message_set2	text	O	Reserved field2 for other messages from WU.
host_message_set3	text	O	Reserved field3 for other messages from WU.

Sample JSON Data response:

```
{
    "uspwuapi": {
        "header": {
            "errorcode": "1",
            "message": {
                "confirmed_details": {
                    "advisory_text": "",
                    "new_points_earned": 10,
                    "paid_date_time": "04-26-2017 05:33",
                    "host_message_set1": "",
                    "host_message_set2": "Thank you for joining My
WU program. Watch out for exciting benefits & exclusive member offers!Coming
soon! Visit www.westernunion.com.ph for more information.",
                    "host_message_set3": ""
                }
            }
        },
        "body": null
    }
}
```

3.2.6. Stage and Pay

3.2.6.1. Stage SendMoney

3.2.6.1.1. SendMoney Stage Validate

Use this function to validate transaction Send Money data to be HOLD

Module: **wusostg**
Request: **SMSvalidate**

REQUEST Parameters:

Name	Type	Required	Description
foreign_reference_no	alpha-num:50	M	This will be provided upon Sign-on (for the meantime, please use any value)

PERA HUB

sender_first_name	alpha:100	M	First Name
sender_middle_name	alpha:100	M	
sender_last_name	text:200	M	Last Name
sender_addr_line1	text:200	M	
sender_addr_line2	text:200	O	
sender_city	text:50	M	City / Municipality
sender_state	text:100	M	State / Province / Region
sender_postal_code	num:10	M	
sender_addr_country_code	alpha:2	M	2 letter ISO country code
sender_addr_currency_code	alpha:3	M	3 letter ISO currency code
sender_contact_phone	num:30	O	Format should be Mobile Country Code + phone number
sender_mobile_country_code	num:3	O	Mobile Country Code
sender_mobile_no	num:20	O	Mobile Number
mywu_number	num:20	O	MyWU number
id_type	text:20	M	Refer to IDTypeList
id_country_of_issue	text:100	M	of Sender
id_number	text:50	M	of Sender
id_issue_date	date: ddmmyyyy	M	of Sender
id_expiration_date	date: ddmmyyyy	C	of Sender (required depends on ID Type)
date_of_birth	date: ddmmyyyy	M	of Sender
occupation	text:100	M	of Sender
Country_of_Birth	text:100	M	of Sender
nationality	text:100	M	of Sender
Gender	text:1	M	of Sender
Source_of_Funds	text:50	M	of Sender
Sender_Employeer	text:50	M	of Sender
Relationship_to_Receiver	text:50	M	of Sender
reason_for_send	text:50	M	of Sender
email	email	O	of Sender
receiver_first_name	alpha:100	M	
receiver_middle_name	alpha:100	O	
receiver_last_name	alpha:100	M	
receiver_addr_line1	text:200	C	Required if Destination Country is US, INDIA
receiver_addr_line2	text:200	O	
receiver_city	text:50	C	Required if Destination Country is US, INDIA
receiver_state	text:100	C	Required if Destination Country is US, INDIA
receiver_postal_code	num:10		Required if Destination Country is US, INDIA
receiver_addr_country_code	alpha:2	O	2 letter ISO country code
receiver_addr_currency_code	alpha:3	O	3 letter ISO currency code
receiver_contact_phone	num:30	C	Required if Destination Country is CHINA, INDIA, NIGERIA,

x

x

			USA and transaction type is D2B
receiver_mobile_country_code	num:3	C	Required if transactions type is MMT
receiver_mobile_no	num:20	C	Required if transactions type is MMT
destination_country_code	alpha:2	M	2 letter ISO country code
destination_currency_code	alpha:3	M	3 letter ISO currency code
destination_state_code	alpha-num:20	C	Required if Destination Country is USA and Mexico
destination_city_name	text:50	C	Required if Destination Country is USA and Mexico
transaction_type	alpha-num:3	M	SO = Send Money D2B = Direct to Bank MMT = Mobile Money Transfer
principal_amount	num	M	Amount to Send
fixed_amount_flag	alpha:1	M	F if customer wants a fixed principal amount in the destination country and will not be subject to currency fluctuation. Otherwise N
promo_code	alpha-num:20	O	Promo code
message	text:array	O	Optional Message from SENDER to RECEIVER Maximum Length per line is 79 characters Maximum array length is 14
bank_name	text:100		Required when transaction type = D2B
account_number	num:50		Required when transaction type = D2B
bank_code	alpha-num:20		Required when transaction type = D2B
bank_location	alpha-num:20		Required when transaction type = D2B
account_suffix	alpha-num:10		Required when transaction type = D2B
staging_buffer	text	M	Get Value from FeeSurvey API
operator_id	alpha-num:10	M	Operator ID will be provided Petnet per partner teller/user
terminal_id	alpha-num:10	M	Terminal ID will be provided by Petnet per partner location

Sample JSON Data request:

```
{
    "uspwuapi": {
        "header": {
            "coy": "yondu",
            "token": "b0dd9378fb63749c462a66d209b06454",
            "location_code": "6",
            "user_code": "1",
            "clientip": "::1",
            "isweb": "1"
        },
```

```
"body": {
        "module": "wuso",
        "request": "SMvalidate",
        "param": {
                "foreign_reference_no": "123123sadasd",
                "sender_first_name": "WINNIE",
                "sender_middle_name": "",
                "sender_last_name": "CONSTANTINO",
                "sender_addr_line1": "CALUMPIT",
                "sender_addr_line2": "",
                "sender_city": "CALUMPIT",
                "sender_state": "REGION 3",
                "sender_postal_code": "3003",
                "sender_addr_country_code": "PH",
                "sender_addr_currency_code": "PHP",
                "sender_contact_phone": "6329446115",
                "sender_mobile_country_code": "",
                "sender_mobile_no": "",
                "mywu_number": "185015541",
                "id_type": "S",
                "id_country_of_issue": "Philippines",
                "id_number": "14789654",
                "id_issue_date": "02072015",
                "id_expiration_date": "12072017",
                "date_of_birth": "06041992",
                "occupation": "Programmer",
                "Country_of_Birth": "Philippines",
                "nationality": "Filipino",
                "Gender": "F",
                "Source_of_Funds": "Personal Loan",
                "Sender_Employeer": "Abaris",
                "Relationship_to_Receiver": "Father",
                "reason_for_send": "228990",
                "email": "WINNIEANN.CONSTANTINO@VOXDEISYSTEMS.COM",
                "receiver_first_name": "William",
                "receiver_middle_name": "",
                "receiver_last_name": "Constantino",
                "receiver_addr_line1": "",
                "receiver_addr_line2": "",
                "receiver_city": "",
                "receiver_state": "",
                "receiver_postal_code": "",
                "receiver_addr_country_code": "PH",
                "receiver_addr_currency_code": "PHP",
                "receiver_contact_phone": "",
                "receiver_mobile_country_code": "",
                "receiver_mobile_no": "",
                "destination_country_code": "PH",
                "destination_currency_code": "PHP",
                "destination_state_code": "",
                "destination_city_name": "",
                "transaction_type": "SO",
                "principal_amount": 100000,
                "fixed_amount_flag": "N",
                "promo_code": "",
                "message": [""],
```

```
                        "bank_name": "",
                        "account_number": "",
                        "bank_code": "",
                        "bank_location": "",
                        "account_suffix": "",
                        "staging_buffer": "getvalue from FeeSurvey",
                        "terminal_id": "WBPt",
                        "operator_id": "001"
                    }
                },
                "signature": "anyvaluesfornow"
        }
}
```

REPONSE Parameters:

Name	Type	Required	Description
addl_service_charges	text:200	M	Must be preserve as is since this will be use as parameter in SendMoney Store HOLD
compliance_data_buffer	alpha-num:200	M	Must be preserve as is since this will be use as parameter in SendMoney Store HOLD
originating_city	alpha-num:50	M	Must be preserve as is since this will be use as parameter in SendMoney Store HOLD
originating_state	alpha-num:10	M	Must be preserve as is since this will be use as parameter in SendMoney Store HOLD
staging_buffer	text	M	Must be preserve as is since this will be use as parameter in SendMoney Store HOLD
financials	array	M	The whole array should be preserved as is
mtcn	num:10	M	Money Transfer Control Number Must be preserve as is since this will be use as parameter in SendMoney Store HOLD
new_mtcn	num:16	M	Money Transfer Control Number Must be preserve as is since this will be use as parameter in SendMoney Store HOLD

Sample JSON Data response:

```
{
    "uspwuapi": {
        "header": {
            "errorcode": "1",
            "message": "good"
        },
        "body": {
            "service_code": {
                "addl_service_charges":
"1103FEE12041500013041500010 3MSG0201003010210300022010230109001096210104500002
021003035009703NNN9806PILPIL"
            },
            "compliance": {
```

```
                    "compliance_data_buffer":
"01082PH_02_S0201S0308147896540611Philippines0708060419920810Programmer090802
0720151008120720179901X3311Philippines3408Filipino3501F4413Personal
Loan6706Abaris7006Father7401Y"
                },
                "payment_details": {
                    "originating_city": "METRO MANILA",
                    "originating_state": "MA",
                    "staging_buffer": "0101C0202MB0303PIL0820CCUANA00WU
CCMBAGCA"
                },
                "financials": {
                    "taxes": {
                        "municipal_tax": 0,
                        "state_tax": 0,
                        "county_tax": 0
                    },
                    "originators_principal_amount": 100000,
                    "destination_principal_amount": 100000,
                    "gross_total_amount": 101500,
                    "plus_charges_amount": 0,
                    "charges": 1500,
                    "message_charge": 0
                },
                "new_details": {
                    "mtcn": "9231430092",
                    "new_mtcn": "1711689231430092",
                    "filing_date": "04-26",
                    "filing_time": "1030P EDT "
                }
            }
        }
    }

}
```

3.2.6.1.2.   SendMoney Stage Hold

Use this API function to save and confirm Send Money Transaction to be HOLD

Module: **wusostg**
Request: **SMSstore**

REQUEST Parameters:

Name	Type	Required	Description
foreign_reference_no	alpha-num:50	M	This will be provided upon Sign-on (for the meantime, please use any value)
sender_first_name	alpha:100	M	First Name
sender_middle_name	alpha:100	M	
sender_last_name	text:200	M	Last Name
sender_addr_line1	text:200	M	
sender_addr_line2	text:200	O	
sender_city	text:50	M	City / Municipality
sender_state	text:100	M	State / Province / Region

PERA HUB

Field	Type	M/O/C	Description
sender_postal_code	num:10	M	
sender_addr_country_code	alpha:2	M	2 letter ISO country code
sender_addr_currency_code	alpha:3	M	3 letter ISO currency code
sender_contact_phone	num:30	O	Format should be Mobile Country Code + phone number
sender_mobile_country_code	num:3	O	Mobile Country Code
sender_mobile_no	num:20	O	Mobile Number
mywu_number	num:20	O	MyWU number
id_type	text:20	M	Refer to IDTypeList
id_country_of_issue	text:100	M	of Sender
id_number	text:50	M	of Sender
id_issue_date	date: ddmmyyyy	M	of Sender
id_expiration_date	date: ddmmyyyy	C	of Sender (required depends on ID Type)
date_of_birth	date: ddmmyyyy	M	of Sender
occupation	text:100	M	of Sender
Country_of_Birth	text:100	M	of Sender
nationality	text:100	M	of Sender
Gender	text:1	M	of Sender
Source_of_Funds	text:50	M	of Sender
Sender_Employer	text:50	M	of Sender
Relationship_to_Receiver	text:50	M	of Sender
reason_for_send	text:50	M	of Sender
email	email	O	of Sender
receiver_first_name	alpha:100	M	
receiver_middle_name	alpha:100	O	
receiver_last_name	alpha:100	M	
receiver_addr_line1	text:200	C	Required if Destination Country is US, INDIA
receiver_addr_line2	text:200	O	
receiver_city	text:50	C	Required if Destination Country is US, INDIA
receiver_state	text:100	C	Required if Destination Country is US, INDIA
receiver_postal_code	num:10		Required if Destination Country is US, INDIA
receiver_addr_country_code	alpha:2	O	2 letter ISO country code
receiver_addr_currency_code	alpha:3	O	3 letter ISO currency code
receiver_contact_phone	num:30	C	Required if Destination Country is CHINA, INDIA, NIGERIA, USA and transaction type is D2B
receiver_mobile_country_code	num:3	C	Required if transactions type is MMT
receiver_mobile_no	num:20	C	Required if transactions type is MMT
destination_country_code	alpha:2	M	2 letter ISO country code
destination_currency_code	alpha:3	M	3 letter ISO currency code
destination_state_code	alpha-num:20	C	Required if Destination Country

			is USA and Mexico
destination_city_name	text:50	C	Required if Destination Country is USA and Mexico
transaction_type	alpha-num:3	M	SO = Send Money D2B = Direct to Bank MMT = Mobile Money Transfer
principal_amount	num	M	Amount to Send
fixed_amount_flag	alpha:1	M	F if customer wants a fixed principal amount in the destination country and will not be subject to currency fluctuation. Otherwise N
exchange_rate	num	M	Currency exchange rate of PHP vs Currency of destination country
promo_code	alpha-num:20	O	Promo code
message	text:array	O	Optional Message from SENDER to RECEIVER Maximum Length per line is 79 characters Maximum array length is 14
bank_name	text:100	C	Required when transaction type = D2B
account_number	num:50	C	Required when transaction type = D2B
bank_code	alpha-num:20	C	Required when transaction type = D2B
bank_location	alpha-num:20	C	Required when transaction type = D2B
account_suffix	alpha-num:10	C	Required when transaction type = D2B
operator_id	alpha-num:10	M	Operator ID will be provided Petnet per partner teller/user
terminal_id	alpha-num:10	M	Terminal ID will be provided by Petnet per partner location
addl_service_charges	text:200	M	Derive value from SendMoney validate Stage
compliance_data_buffer	alpha-num:200	M	Derive value from SendMoney validate
staging_buffer	text	M	Derive value from SendMoney validate Stage
originating_city	alpha-num:50	M	Derive value from SendMoney validate Stage
originating_state	alpha-num:10	M	Derive value from SendMoney validate Stage
financials	array	M	Derive value from SendMoney validate Stage
mtcn	num:10	M	Derive value from SendMoney validate Stage
new_mtcn	num:16	M	Derive value from SendMoney validate Stage
mywu_enroll_tag	alpha:10	M	mywu = when customer has MyWU Number enroll = when customer want to

| | | | enroll in MyWU Program. This is another way to enroll customer into MyWU aside from stand-alone enrollment |
| | | | none=when customer does not want to enroll to MyWU |

Sample JSON Data request:

```
{
    "uspwuapi": {
        "header": {
            "coy": "usp",
            "token": "b0dd9378fb63749c462a66d209b06454",
            "location_code": "6",
            "user_code": "1",
            "clientip": "::1",
            "isweb": "1"
        },
        "body": {
            "module": "wuso",
            "request": "SMstore",
            "param": {
                "foreign_reference_no": "123123sadasd",
                "sender_first_name": "WINNIE",
                "sender_middle_name": "",
                "sender_last_name": "CONSTANTINO",
                "sender_addr_line1": "CALUMPIT",
                "sender_addr_line2": "",
                "sender_city": "CALUMPIT",
                "sender_state": "REGION 3",
                "sender_postal_code": "3003",
                "sender_addr_country_code": "PH",
                "sender_addr_currency_code": "PHP",
                "sender_contact_phone": "6329446115",
                "sender_mobile_country_code": "",
                "sender_mobile_no": "",
                "mywu_number": "185015541",
                "id_type": "S",
                "id_country_of_issue": "Philippines",
                "id_number": "14789654",
                "id_issue_date": "02072015",
                "id_expiration_date": "12072017",
                "date_of_birth": "06041992",
                "occupation": "Programmer",
                "Country_of_Birth": "Philippines",
                "nationality": "Filipino",
                "Gender": "F",
                "Source_of_Funds": "Personal Loan",
                "Sender_Employeer": "Abaris",
                "Relationship_to_Receiver": "Father",
                "reason_for_send": "228990",
                "email": "WINNIEANN.CONSTANTINO@VOXDEISYSTEMS.COM",
                "receiver_first_name": "William",
                "receiver_middle_name": "",
                "receiver_last_name": "Constantino",
```

```
                        "receiver_addr_line1": "",
                        "receiver_addr_line2": "",
                        "receiver_city": "",
                        "receiver_state": "",
                        "receiver_postal_code": "",
                        "receiver_addr_country_code": "PH",
                        "receiver_addr_currency_code": "PHP",
                        "receiver_contact_phone": "",
                        "receiver_mobile_country_code": "",
                        "receiver_mobile_no": "",
                        "destination_country_code": "PH",
                        "destination_currency_code": "PHP",
                        "destination_state_code": "",
                        "destination_city_name": "",
                        "transaction_type": "SO",
                        "principal_amount": 100000,
                        "fixed_amount_flag": "N",
                        "promo_code": "",
                        "message": [""],
                        "bank_name": "",
                        "account_number": "",
                        "bank_code": "",
                        "bank_location": "",
                        "account_suffix": "",
                        "terminal_id": "WBPt",
                        "operator_id": "001",
                        "addl_service_charges":
"1103FEE12041500130415000103MSG02010030102103000220102301090010962101045000020
21003035009703NNN9806PILPIL",
                        "staging_buffer": "0101C0202MB0303PIL0820CCUANA00WU
CCMBAGCA",
                        "originating_city": "METRO MANILA",
                        "originating_state": "MA",
                        "financials": {
                                "taxes": {
                                        "municipal_tax": 0,
                                        "state_tax": 0,
                                        "county_tax": 0
                                },
                                "originators_principal_amount": 100000,
                                "destination_principal_amount": 100000,
                                "gross_total_amount": 101500,
                                "plus_charges_amount": 0,
                                "charges": 1500,
                                "message_charge": 0
                        },
                        "mtcn": "9231430092",
                        "new_mtcn": "1711689231430092",
                        "mywu_enroll_tag": "mywu"
                }
        },
        "signature": "anyvaluesfornow"
    }
}
```

3.2.6.2.   Fulfil SendMoney

    3.2.6.2.1.   SendMoney Staged Search

    3.2.6.2.2.   SendMoney Staged Release

3.2.6.3.   Stage ReceiveMoney

3.2.6.3.1.   ReceiveMoney Stage Search

Use this API to search Money Transfer available and waiting to be staged to the intended customer using mobile phone.

Module: **wupostg**

Request: **search**

REQUEST Parameters:

Name	Type	Required	Description
foreign_reference_no	alpha-num:50	M	This will be provided upon Sign-on (for the meantime, please use any value)
mtcn	Num:10	M	Money Transfer Control Number Must be preserve as is since this will be use as parameter in SendMoney Store

Sample JSON Data request:

```
{
        "uspwuapi": {
                    "header": {
                                "coy": "yondu",
                                "token": "0dc1aac91226345d7feccbc08cf47f39",
                                "location_code": "8",
                                "user_code": "4",
                                "clientip": "127.0.0.1",
                                "isweb": "1"
                        },
                    "body": {
                                "module": "wupostg",
                                "request": "search",
                                "param": {
                                        "mtcn": "8350742730",
                                        "foreign_reference_no":"201705120002"
                                }
                        },
                    "signature": ""
            }
}
```

REPONSE Parameters:

Name	Type	Required	Description
payment_transaction	array	M	Array containing all details of money transfer to be paid.
sender	array	M	Sub-array of under payment transaction containing details pertaining to **sender** of money transfer

receiver	array		Sub-array of under payment transaction containing details pertaining to **recipient** of money transfer
financials	array	M	Sub-array of under payment transaction containing details pertaining to breakdown of amount
payment_details	array	M	Sub-array of under payment transaction containing details pertaining to ORIGIN and DESTINATION information of money transfer
payment_transaction: pay_status_description	alpha:10	M	W/C = will call or available and can be paid PAID = already paid HOLD = if on hold
gross_payout	num	M	Gross Amount to be paid to customer. Equal to Net Payout if money transfer origination within Philippines
dst	num	M	Documentary Stamp Tax, for Philippines. to be deducted from Gross Amount Normally have value when money transfer originated from outside Philippines.
net_payout	num	M	Net Amount to be paid to customer

Response: Sample JSON Data response:

```
{
        "instant_notification" : {
                "addl_service_charges" : ""
        },
        "payment_transactions" : {
                "payment_transaction" : {
                        "sender" : {
                                "name" : {
                                        "name_type" : "D",
                                        "first_name" : "SELVARAJ",
                                        "last_name" : "NATESAN"
                                },
                                "address" : {
                                        "city" : "Moskva",
                                        "country_code" : {
                                                "iso_code" : {
                                                        "country_code" : "EC",
                                                        "currency_code" : "USD"
                                                }
                                        },
                                        "state_zip" : "676575657",
                                        "street" : "epre"
```

```
                },
                "phone_country_code" : "89",
                "contact_phone" : "070987897",
                "mobile_phone" : {
                        "phone_number" : {
                                "country_code" : "7",
                                "national_number" : "9070987897"
                        }
                },
                "mobile_details" : {
                        "city_code" : "7",
                        "number" : "9070987897"
                }
        },
        "receiver" : {
                "name" : {
                        "name_type" : "D",
                        "first_name" : "NAVYA",
                        "last_name" : "NAIR"
                },
                "address" : {
                        "country_code" : {
                                "iso_code" : {
                                        "country_code" : "PH",
                                        "currency_code" : "USD"
                                }
                        }
                },
                "preferred_customer" : {
                        "mywu_number" : ""
                },
                "mobile_phone" : {
                        "phone_number" : []
                },
                "mobile_details" : []
        },
        "financials" : {
                "taxes" : {
                        "tax_worksheet" : ""
                },
                "gross_total_amount" : 9300,
                "pay_amount" : 344457,
                "principal_amount" : 7000,
                "charges" : 2000,
                "tolls" : 300
        },
        "payment_details" : {
                "expected_payout_location" : {
                        "state_code" : "",
                        "city" : ""
                },
                "destination_country_currency" : {
                        "iso_code" : {
                                "country_code" : "PH",
                                "currency_code" : "PHP"
                        }
                },
                "originating_country_currency" : {
                        "iso_code" : {
                                "country_code" : "CH",
                                "currency_code" : "CHF"
                        }
                },
                "originating_city" : "GENEVE",
```

```
                    "originating_state" : "SW",
                    "transaction_type" : "WMN",
                    "exchange_rate" : 49.2080713,
                    "original_destination_country_currency" : {
                            "iso_code" : {
                                    "country_code" : "PH",
                                    "currency_code" : "USD"
                            }
                    },
                    "stage_pay_fields" : {
                            "snp_indicator" : "C"
                    }
            },
            "filing_date" : "05-12-17 ",
            "filing_time" : "0250A EDT",
            "money_transfer_key" : "3623949569",
            "pay_status_description" : "W\/C",
            "mtcn" : "8350742730",
            "new_mtcn" : "1713288350742730",
            "fusion" : {
                    "fusion_status" : "W\/C",
                    "account_number" : ""
            },
            "wu_network_agent_indicator" : ""
        }
    },
    "delivery_services" : [],
    "misc_buffer" : "",
    "foreign_remote_system" : {
            "identifier" : "WGSSPH2590T",
            "reference_no" : "201705120002",
            "counter_id" : "PH259SSP001A"
    },
    "gross_payout" : 3444.57,
    "dst" : 5.17,
    "net_payout" : 3439.4
    }
  }
}
```

3.2.6.3.2. ReceiveMoney Stage Hold

Use this API to confirm payout to hold.

Module: **wupostg**
Request: **hold**

REQUEST Parameters:

Name	Type	Required	Description
foreign_reference_no	alpha-num:50	M	This will be provided upon Sign-on (for the meantime, please use any value)
receiver_name_type	alpha:1	M	Should be marked "D" in most cases
receiver_first_name	alpha:100	M	First Name
receiver_last_name	alpha:100	M	Last Name
sender_first_name	alpha:100	M	First Name
sender_last_name	alpha:100	M	Last Name

PERA HUB

receiver_city	text:50	M	City / Municipality
receiver_state	text:100	M	State / Province / Region
receiver_country_code	alpha:2	M	2 letter ISO country code
receiver_currency_code	alpha:3	M	3 letter ISO currency code
receiver_state_zip	email	O	Valid email format
receiver_street			
id_type	text:20	M	Refer to IDTypeList
id_country_of_issue	text:100	M	of Recipient
id_number	text:50	M	of Recipient
id_issue_date	date: ddmmyyyy	M	of Recipient
id_expiration_date	date: ddmmyyyy	C	of Recipient (required depends on ID Type)
date_of_birth	date: ddmmyyyy	M	of Recipient
occupation	text:100	M	of Recipient
addr_line1	text:200	M	of Recipient
curr_city	text:50	M	City / Municipality of Recipient
curr_state_name	text:100	M	State / Province / Region of Recipient
postal_code	num:10	M	of Recipient
country			of Recipient
contact_phone	num:30	O	Format should be Mobile Country Code + phone number
Country_of_Birth	alpha:2	M	2 letter ISO country code
nationality	text:100	M	of Recipient
Source_of_Funds	text:100	M	of Recipient
Name_of_Employer_Business	text:100	M	of Recipient
Relationship_to_Receiver_Sender	text:100	M	of Recipient
Does_the_ID_have_an_expiration_date	alpha:1	M	Should be marked "Y" if ID provided by customer has expiration, otherwise "N"
Does_receiver_have_a_phone_number	alpha:1	M	Should be marked "Y" if ID provided by have phone number provided, otherwise "N"
ack_flag	alpha:1	M	Marked as "X"
GEN_III_Indicator	alpha:1	M	Marked as "1"
pd_state_code	text	M	from search response payment_details > expected_payout_location

pd_city	text	M	from search response payment_details > expected_payout_locati on
pd_dest_country_code	alpha:2	M	from search response payment_details > destination_country
pd_dest_currency_code	alpha:3	M	from search response payment_details > destination_country
pd_orig_country_code	alpha:2	M	from search response payment_details > originating_country
pd_orig_currency_code	alpha:3	M	from search response payment_details > originating_country
pd_originating_city	text	M	from search response payment_details > expected_payout_locati on
pd_transaction_type	alphanum: 5	M	from search response payment_details > transaction_type
pd_exchange_rate	num	M	from search response payment_details > exchange_rate
pd_orig_dest_country_currency_country_c ode	alpha:2	M	from search response payment_details > original_destination
pd_orig_dest_country_currency_currency_ code	alpha:3	M	from search response payment_details > original_destination
gross_total_amount	num	M	Gross Amount details on country of origin
pay_amount	num	M	Principal Amount details on destination country
principal_amount	num	M	Principal Amount details on country of origin
charges	num	M	Charges/ Fees details on country of origin
tolls	num	M	Toll Fees on country of origin
money_transfer_key	num:10	M	10 digit Money Transfer control key, From search response parameters
new_mtcn	num:16	M	16 digit Money Transfer Control Number
mtcn	num:10	M	10 digit Money Transfer Control Number
pay_or_do_not_pay_indicator	alpha:1	M	Should be Marked "P"
rec_mob_country_code	num:3	O	Mobile Country Code
national_number	num:20	O	Mobile Number

telephone_city_code	num:3	O	Mobile Country Code
filing_time	text	M	from search response
filing_date	text	M	from search response
message	array	O	from search response
client_reference_no	text	M	Reference Number of Partner's System Should be unique
real_principal_amount	num	M	Gross Principal Amount in destination country
dst_amount	num	M	DST amount
real_net_amount	num	M	NET Amount to release to recipient
user_code			user code of user/teller from partner's system
customer_code	alphnum:20	O	Customer code to be provided if mobile customer Otherwise leave blank
operator_id	alpha-num:10	M	Operator ID will be provided Petnet per partner teller/user
terminal_id	alpha-num:10	M	Terminal ID will be provided by Petnet per partner location
remote_terminal_id	alpha-num:10	M	Operator ID will be provided Petnet per partner teller/user Equal to Terminal ID
remote_operator_id	alpha-num:10	M	Terminal ID will be provided by Petnet per partner location Equal to Terminal ID
mywu_number	num:20	O	MyWU Number of the customer if customer is existing MyWU Customer. Otherwise leave blank

Sample JSON Data request:

```
{
        "uspwuapi" : {
                "header" : {
                        "coy" : "yondu",
                        "token" : "0dc1aac91226345d7feccbc08cf47f39",
                        "location_code" : "8",
                        "user_code" : "4",
                        "clientip" : "127.0.0.1",
                        "isweb" : "1"
                },
                "body" : {
                        "module" : "wupostg",
                        "request" : "hold",
                        "param" : {
```

```
"foreign_reference_no" : "312dsefse",
"mywu_number" : "",
"sender_first_name" : "WINNIE",
"sender_last_name" : "CONSTANTINO",
"receiver_name_type" : "D",
"receiver_first_name" : "JERICA",
"receiver_last_name" : "NAPARATE",
"receiver_city" : "CALOOCAN CITY",
"receiver_state" : "MANILA",
"receiver_country_code" : "PH",
"receiver_currency_code" : "PHP",
"receiver_state_zip" : "1420",
"receiver_street" : "",
"id_type" : "J",
"id_country_of_issue" : "Philippines",
"id_number" : "12346567892",
"id_issue_date" : "10052017",
"id_expiration_date" : "",
"date_of_birth" : "10081996",
"occupation" : "Programmer",
"addr_line1" : "1953 Ph 3b Block 6 Lot 9 Camarin",
"curr_city" : "CALOOCAN CITY",
"curr_state_name" : "MANILA",
"postal_code" : "1420",
"country" : "PH",
"contact_phone" : "9089488895",
"Country_of_Birth" : "Philippines",
"nationality" : "Filipino",
"Source_of_Funds" : "Medical Expenses",
"Name_of_Employer_Business" : "Abaris Technologies",
"Relationship_to_Receiver_Sender" : "Spouse",
"Does_the_ID_have_an_expiration_date" : "N",
"Does_receiver_have_a_phone_number" : "Y",
"ack_flag" : "X",
"GEN_III_Indicator" : "1",
"rec_mob_country_code" : "63",
"national_number" : "9089488895",
"telephone_city_code" : "",
"pd_state_code" : "",
"pd_city" : "",
"pd_dest_country_code" : "PH",
"pd_dest_currency_code" : "PHP",
"pd_orig_country_code" : "PH",
"pd_orig_currency_code" : "PHP",
"pd_originating_city" : "METRO MANILA",
"pd_transaction_type" : "WMF",
"pd_exchange_rate" : "1",
"pd_orig_dest_country_currency_country_code" : "PH",
"pd_orig_dest_country_currency_currency_code" :
"PHP",

"gross_total_amount" : "8300",
"pay_amount" : "295248",
"principal_amount" : "1000",
"charges" : "500",
"tolls" : "5000",
"money_transfer_key" : "3624017665",
"new_mtcn" : "1713285971093319",
"mtcn" : "5971093319",
"pay_or_do_not_pay_indicator" : "P",
"message" : [],
"filing_date" : "05-05-17",
"filing_time" : "0205A EDT",
"client_reference_no" : "201705120002",
"real_principal_amount" : "10",
```

```
                        "dst_amount" : "0",
                        "real_net_amount" : "10",
                        "user_code" : "4",
                        "customer_code" : "HOIFLGNNWR",
                        "terminal_id" : "WBPt",
                        "operator_id" : "001",
                        "hold_contact_phone" : "639175101664"
                    }
                },
                "signature" : ""
            }
        }
```

REPONSE Parameters:

Name	Type	Required	Description
payment_transaction	array	M	Array containing all details of money transfer to be paid.
sender	array	M	Sub-array of under payment transaction containing details pertaining to **sender** of money transfer
receiver	array		Sub-array of under payment transaction containing details pertaining to **recipient** of money transfer
financials	array	M	Sub-array of under payment transaction containing details pertaining to breakdown of amount
payment_details	array	M	Sub-array of under payment transaction containing details pertaining to ORIGIN and DESTINATION information of money transfer
payment_transaction: pay_status_description	alpha:10	M	W/C = will call or available and can be paid PAID = already paid HOLD = if on hold
gross_payout	num	M	Gross Amount to be paid to customer. Equal to Net Payout if money transfer origination within Philippines
dst	num	M	Documentary Stamp Tax, for Philippines. to be deducted from Gross Amount Normally have value when money transfer originated from outside Philippines.
net_payout	num	M	Net Amount to be paid to customer

Response: Sample JSON Data response:

```
{
    "uspwuapi" : {
            "header" : {
                    "errorcode" : "1",
                    "message" : {
                            "confirmed_details" : {
                                    "instant_notification" : {
                                            "addl_service_charges" : ""
                                    },
                                    "advisory_text" : "",
                                    "receiver" : {
                                            "compliance_details" : {
                                                    "compliance_data_buffer" :
"01082PH_02_P0201J03111234565678920611Philippines0708100819960810Programmer0908100520172002PH2
9321953 Ph 3b Block 6 Lot 9 Camarin3013CALOOCAN
CITY3104142032109175101664331Philippines3408Filipino4416Medical Expenses6719Abaris
Technologies7006Spouse7401N7601Y8606MANILA9901XB4011"
                                            }
                                    },
                                    "payment_details" : {
                                            "mt_requested_status" : "HOLD"
                                    },
                                    "mtcn" : "5971093319",
                                    "new_mtcn" : "1713285971093319",
                                    "paid_date_time" : "05-15-2017 03:14",
                                    "foreign_remote_system" : {
                                            "identifier" : "WGSSPH2590T",
                                            "reference_no" : "312dsefse",
                                            "counter_id" : "PH259SSP001A"
                                    }
                            }
                    }
            },
            "body" : null
    }
}
```

3.2.6.4.   Fulfil ReceiveMoney

3.2.6.4.1.   ReceiveMoney Staged Search

3.2.6.4.2.   ReceiveMoney Staged Release

3.3.E-Wallet

3.3.1. Common Functions

3.3.1.1.   Customer Registration

Use this API function to get the details of customers. Provides several search options for MyWU customers.

Module: **Registration**
Request: **Register**

REQUEST Parameters:

Name	Type	Required	Description
username	Alpha-num15	M	Unique code for OTP

mobile	Numeric 10	M	In 09 prefix
phone	Numeric 9	0	Numeric or blank
surname	Alpha:30	M	mandatory
givenname	alpha:30	M	mandatory
middlename	alpha:30	M	mandatory
password	SHA512	M	mandatory
Birthdate	Date(mm/dd/yyyy)	M	mm/dd/yyyy format
Nationality	alpha:30	M	
PresentAddress	Alpha 255	M	
PermanentAddress	Alpha 255	M	
Occupation	Alpha 30	M	
NameOfEmployer	Alpha 50	M	
SecurityQuestion	Alpha 255	M	
Answer	Md5	M	
ValidIdentification	Alpha 20	M	
Photo	Binary	M	Binary Image format
WuCardNo	Alpha-num	C	Alpha numeric or blank
DebitCardNo	Alpha-num	C	Alpha numeric or blank
LoyaltyCardNo	Alpha-num	C	Alpha numeric or blank

Sample JSON Data request:

```
{
    "uspwuapi": {
        "header": {
            "coy": "usp",
            "token": "b0dd9378fb63749c462a66d209b06454",
            "location_code": "6",
            "user_code": "1",
            "clientip": "::1",
            "isweb": "1"
        },
        "body": {
            "module": "Registration",
            "request": "Register",
            "param": {
                "username":"rico1111",
            "mobile":"09171234567",
            "email":"ricojayv@gmail.com",
            "phone":"02417111",
            "surname":"villanueva",
            "givenname":"rico jay",
            "middlename":"santos",

    "password":"3627909A29C31381A071EC27F7C9CA97726182AED29A7DDD2E54353322CFB
30ABB9E3A6DF2AC2C20FE23436311D678564D0C8D305930575F60E2D3D048184D79",
            "Birthdate":"10/15/1977",
            "Nationality":"fil",
            "PresentAddress":"manila",
            "PermanentAddress":"qc",
            "Occupation":"developer",
            "NameOfEmployer":"voc dei",
            "SecurityQuestion1":"number 1?",
            "Answer1":"1",
            "SecurityQuestion2":"number 2?",
```

```
                          "Answer2":"2",
                          "SecurityQuestion3":"number 3?",
                          "Answer3":"3",
                          "ValidIdentification":"drivers license",
                          "photo":"",
                          WuCardNo":"123",
                          "DebitCardNo":"123",
                          "LoyaltyCardNo":"123"
                          }

                    },
                    "signature":"asda"
            }
    }
```

3.3.1.2.   Get Secret Question 💬

Use this function to get the secret question for password reset

Module: **SPassword**
REQUEST: **get_question**

REQUEST Parameters:

Name	Type	Required	Description
username	Alpha-num15	M	Username for login

Sample Json Request:
```
{
    "uspwuapi": {
          "header": {
                "coy": "usp",
                "token": "b0dd9378fb63749c462a66d209b06454",
                "location_code": "6",
                "user_code": "1",
                "clientip": "::1",
                "isweb": "1"
          },
          "body": {
                "module": "Password",
                "request": "get_question",
                "param": {
                        "username": ""REYNOVFAD05241980RNF"

                }
          },
                "signature":"anyvalue"
    }
}
```

Sample response:
```
{
    "uspwuapi": {
          "header": {
                "errorcode": "1",
                "message": "Good"
          },
          "body": {
                "question": "pets name",
                "username": "REYNOVFAD05241980RNF"
          }
```

}
}

3.3.1.3. *Reset Password* 💬

Use this function to trigger reset password

Module: **SPassword**
Request: **reset_password**

REQUEST Parameters:

Name	Type	Required	Description
username	Alpha-num15	M	Username for login
Password	SHA512	M	SHA512 format of password
secret_question	Alpha num	M	Retrieved text from get_question
Answer	SHA512	M	SHA512format of secret question

Sample Json Request:

```
{
    "uspwuapi": {
        "header": {
            "coy": "usp",
            "token": "b0dd9378fb63749c462a66d209b06454",
            "location_code": "6",
            "user_code": "1",
            "clientip": "::1",
            "isweb": "1"
        },
        "body": {
            "module": "SPassword",
            "request": "reset_password",
            "param": {
                "username":"REYNOVFAD05241980RNF",

    "password":"3627909A29C31381A071EC27F7C9CA97726182AED29A7DDD2E54353322CFB30ABB9
E3A6DF2AC2C20FE23436311D678564D0C8D305930575F60E2D3D048184D79",
                "secret_question":"number 1?",

    "answer":"4DFF4EA340F0A823F15D3F4F01AB62EAE0E5DA579CCB851F8DB9DFE84C58B2B37B899
03A740E1EE172DA793A6E79D560E5F7F9BD058A12A280433ED6FA46510A"

            }
        },
        "signature":""
    }
}
```

Sample response:

```
{
    "uspwuapi": {
        "header": {
            "errorcode": "1",
            "message": "Good"
        },
        "body": {
            "username": "REYNOVFAD05241980RNF"
        }
    }
}
```

3.3.1.4. *Acrivate Card* 💬

Use this function to transfer card information from USP to mobile.

Module: **ActivateCard**
Request: **activate_card**

REQUEST Parameters:

Name	Type	Required	Description
usercode	Alpha-num15	M	Username for login

Sample Json Request:

```
{
    "uspwuapi": {
        "header": {
            "coy": "usp",
            "token": "b0dd9378fb63749c462a66d209b06454",
            "location_code": "6",
            "user_code": "1",
            "clientip": "::1",
            "isweb": "1"
        },
        "body": {
            "module": "ActivateCard",
            "request": "activate_card",
            "param": {
                "usercode":"REYNOVFAD05241980RNF"


            }
        },
            "signature":"asda"
    }
}
```

Sample response:

```
{
    "uspwuapi": {
        "header": {
            "errorcode": "1",
            "message": "Good"
        },
        "body": {
            "username": "REYNOVFAD05241980RNF"
        }
    }
}
```

3.3.1.5.   *Update information*   💬

Use this APIto update customer information.

Module: **Registration**
Request: **Register**

REQUEST Parameters:

Name	Type	Required	Description
Usercode	Alpha-num15	M	mandatory
surname	Alpha:30	M	mandatory
givenname	alpha:30	M	mandatory
Middlename	alpha:30	M	mandatory
Mobile	Numeric	M	In 09 prefix
Email	Alphanum	M	In email format

presentaddress	Alpha num 255	M	mandatory
permanentaddress	Alpha num 255	M	mandatory
secretquestion1	Alpha num 255	M	mandatory
answer1	SHA512	M	mandatory
secretquestion2	Alpha num 255	M	mandatory
answer2	SHA512	M	mandatory
secretquestion3	Alpha num 255	M	mandatory
answer3	SHA512	M	mandatory

Sample JSON Data request:

```
{
        "uspwuapi": {
                "header": {
                        "coy": "usp",
                        "token": "b0dd9378fb63749c462a66d209b06454",
                        "location_code": "6",
                        "user_code": "1",
                        "clientip": "::1",
                        "isweb": "1"
                },
                "body": {
                        "module": "Registration",
                        "request": "update_info",
                        "param": {
                                "usercode":"REYNOVFAD05241980RNF",
                                 "surname":"dela cruz",
        "givenname:"juan",
        "middlename":"santos",
        "mobile":"0923123456",
        "email":"juan@gmail.com",
        "presentaddress":"pedro st manila",
        "permanentaddress""pedro st qc",
        "secretquestion1":"Kung kelan pinatay, saka humaba ang buhay.",
        "answer1":"
ABE323C22654CAEDC55F2B0DD829A84B6F172FE32A45CF59FA9B8118EAFBD1BADE544FA564A
CC282EB0DDFC70FF59BD6E0695166B75F81A2F40B902EB58EBB34 ",
        "secretquestion2":"Baboy ko sa pulo, balahiboy pako",
        "answer2":"
BF2C22A1E25F16B3296E485FCBF558BF800EDCAC4D76586187BB0F03EC3477EE720CDDE33B42
1735D2733C4048318AD776C0118C3E4993FC90B16E77C5A857C9 ",
        "secretquestion3":"Nang sumipot sa maliwanag, kulubot na ang balat.",
        "answer3":"
A3BEFF6300C4770EE90805EB3CBE773CF98129EE91BBF3C61E947F6853F28DA370DD3B84E7EF
BFE9B8F20E64F1F6BEBB20191600400D0F29FB62F5F98CD70FB0 "


                        }
                },
                "signature":"asda"
        }
}
```

3.3.2. Transactional 💬

3.3.2.1. Balance Inquiry 💬

Use this function to get amount cash card of a certain customer.

Module: **UBClass**
Request: **get_balance**

REQUEST Parameters:

Name	Type	Required	Description
usercode	Alpha-num	M	Usercode for validation
operator_code	Alpha-num	M	User for usp use send ""(blank) for yondu
session_id	Alpha-num	M	Sessionid from signin

Sample JSON request:

```
{
    "uspwuapi": {
        "header": {
            "coy": "yondu",
            "token": "b0dd9378fb63749c462a66d209b06454",
            "location_code": "6",
            "user_code": "1",
            "clientip": "::1",
            "isweb": "1"
        },
        "body": {
            "module": "UBClass",
            "request": "get_balance",
            "param": {
                "usercode":"RV101577JSCT",
                "operator_code":"ABC12345",
                "session_id":"123145"



            }
        },
            "signature":"asda"
    }
}
```

Sample JSON Output:

```
{
    "uspwuapi": {
        "header": {
            "errorcode": "1",
            "message": "Good"
        },
        "body": {
            "available_balance": "315.00",
            "current_balance": "315.00"
        }
    }
}
```

3.3.2.2. Debit Account 💬

Use function to debit amount from customer.

PERA HUB

Module: **UBClass**
Request: **debit_amount**

REQUEST Parameters:

Name	Type	Required	Description
usercode	Alpha-num	M	Usercode for validation
amount	integer	M	Amount to be debited with no decimal point , decimal values should be padded to the right, ex:100.68 the amount should be 10068
password	Sha512	M	Sha512 of password uppercase of the user
Operator_code	Alpha num	M	For usp use only
Session_id	Alpha_num	M	Session from signin

Sample JSON request:

```
{
    "uspwuapi": {
        "header": {
            "coy": "yondu",
            "token": "b0dd9378fb63749c462a66d209b06454",
            "location_code": "6",
            "user_code": "1",
            "clientip": "::1",
            "isweb": "1"
        },
        "body": {
            "module": "UBClass",
            "request": "debit_amount",
            "param": {
                "usercode": "RV101577JSCT",
                "amount": "10068",
                "password":
"3627909A29C31381A071EC27F7C9CA97726182AED29A7DDD2E54353322CFB30ABB9E3A6DF2AC
2C20FE23436311D678564D0C8D305930575F60E2D3D048184D79",
                "operator_code": "2221111",
                "session_id": "111"
            }
        },
        "signature": "asda"
    }
}
```

Sample JSON response:

```
{
    "uspwuapi": {
        "header": {
            "errorcode": "1",
            "message": "Good"
        },
        "body": {
            "code": "1",
            "amount_deducted": 10068
        }
    }
}
```

3.3.2.3. *Credit Account* 💬

Use this function to credit amount to customer.
Module: **UBClass**
Request: **credit_amount**

REQUEST Parameters:

Name	Type	Required	Description
usercode	Alpha-num	M	Usercode for validation
amount	integer	M	Amount to be debited with no decimal point , decimal values should be padded to the right, ex:100.68 the amount should be 10068
password	Sha512	M	Sha512 of password uppercase of the user
otp_code	Integer	M	Otp from sms
otp_pin	Integer	M	For usp use only, send blank
Operator_code	Alpha num	M	For usp use only
Session_id	Alpha—num	M	Session from signin

Sample JSON request:

```
{
        "uspwuapi": {
            "header": {
                "coy": "yondu",
                "token": "b0dd9378fb63749c462a66d209b06454",
                "location_code": "6",
                "user_code": "1",
                "clientip": "::1",
                "isweb": "1"
            },
            "body": {
                "module": "UBClass",
                "request": "credit_amount",
                "param": {
                        "usercode":"RV101577JSCT",
                         "amount":"10059",

"password":"3627909A29C31381A071EC27F7C9CA97726182AED29A7DDD2E54353322CFB30ABB9E3A6DF2
AC2C20FE23436311D678564D0C8D305930575F60E2D3D048184D79",
                "otp_code":"778541",
                "otp_pin":"",
                "operator_code":"2221111",
                "session_id":"111"


                }
            },
                "signature":"asda"
        }
}
```

Sample JSON output:

```
{
    "uspwuapi": {
        "header": {
            "errorcode": "1",
            "message": "Good"
        },
```

```
            "body": {
                "code": "1",
                "amount_credited": 10059
            }
        }
    }
}
```

3.3.2.4.   Transaction History 💬

User this function to get transaction records valid for 60 days difference from and to dates

Module: **Transaction**
Request: **get_transaction**

REQUEST Parameters:

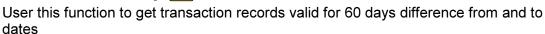| Name	Type	Required	Description
usercode	Alpha-num	M	Usercode for validation
date_start	yyyy-mm-dd hh:mm:ss	M	From date
date_end	yyyy-mm-dd hh:mm:ss	M	To date
Session_id	Alpha-num	M	Session from signin

Sample JSON request:

```
{
        "uspwuapi": {
            "header": {
                "coy": "usp",
                "token": "b0dd9378fb63749c462a66d209b06454",
                "location_code": "6",
                "user_code": "1",
                "clientip": "::1",
                "isweb": "1"
            },
            "body": {
                "module": "UBClass",
                "request": "get_transaction",
                "param": {
                    "usercode":"RV101577JSCT",
                        "date_start":"2017-07-16 01:01:01",
                    "date_end":"2017-07-19 11:01:01",
                    "session_id":"asdf"



                }
            },
                "signature":"asda"
        }
}
```

Sample JSON Output:

```
{
        "uspwuapi": {
            "header": {
                "errorcode": "1",
                "message": "Good"
            },
            "body": [{
                "return": {
                    "trxnList": {
```

```
                                                  "trxn": [{
                                                          "id": "95466",
                                                          "tranDate": "2017-07-19 15:33:59",
                                                          "amount": "-100.00",
                                                          "branch": "NA",
                                                          "tranDesc": "Fund Transfer Internal
[from]",
                                                          "balance": "113682.64",
                                                          "trxnCurrency": "608",
                                                          "pplcode": ""
                                                  },
                                                  {
                                                          "id": "94698",
                                                          "tranDate": "2017-07-18 15:05:12",
                                                          "amount": "-5.00",
                                                          "branch": "NA",
                                                          "tranDesc": "Fund Transfer Internal
[from]",
                                                          "balance": "113782.64",
                                                          "trxnCurrency": "608",
                                                          "pplcode": ""
                                                  },
                                                  {
                                                          "id": "94807",
                                                          "tranDate": "2017-07-18 15:02:45",
                                                          "amount": "-10.00",
```

3.3.1.6.

```
                                                          "branch": "NA",
                                                          "tranDesc": "Fund Transfer Internal
[from]",
                                                          "balance": "113787.64",
                                                          "trxnCurrency": "608",
                                                          "pplcode": ""
                                                  }]
                                          }
                                  }
                          }]
                  }
          }
```

3.3.2.5.   Send SMS

Use this function to send SMS for OTP
Module: **UBClass**
Request: **send_sms_user**

REQUEST Parameters:

Name	Type	Required	Description
usercode	Alpha-num	M	Usercode for validation
Session_id	Alpha-num	M	Session from signin

Sample JSON request:

```
{
        "uspwuapi": {
                "header": {
                        "coy": "usp",
                        "token": "b0dd9378fb63749c462a66d209b06454",
                        "location_code": "6",
                        "user_code": "1",
                        "clientip": "::1",
                        "isweb": "1"
```

```
                },
                "body": {
                        "module": "UBClass",
                        "request": "send_sms_user",
                        "param": {
                                "usercode":"RV101577JSCT",
                                "session_id":"778"




                        }
                },
                        "signature":"asda"
                }
        }
```

Sample JSON output:

```
{
    "uspwuapi": {
        "header": {
            "errorcode": "1",
            "message": "Good"
        },
        "body": {
            "mobile": "09175101497"
        }
    }
}
```