PUTET Developer Reference Guide

Interface XML for 1-Stop

Document Control	
Reference	
File Name	PUTET Developer Reference V1.0.DOCX
Author	
Revision History	
Revision	Date	Changed By	Comments/Reasons
File 1.0, XML 1.0	3 March 2015	Lynn	Initial version

1. PIN Request

```xml
<PINReq>
    <Version>1.0</Version>
    <TimeStamp>yyyyMMddhhmmssffff</TimeStamp>
    <MessageID>eee43434333</MessageID>
    <PINType></PINType>
    <Amount></Amount>
    <HashValue></HashValue>
</PINReq>
```

No.	Field Name	Description	Mandatory	Field Validity
1	Version	Message Version Number	Y	Length : 3 or more characters E.g. 1.0.0
2	TimeStamp	Date and time of request message	Y	Length : 22 characters Format : yyyy-MM-dd HH:mm:ss:fff -yyyy=4 numeric digits, followed by a dash("-") -MM=2 numeric digits with value 01-12, followed by a dash("-") -dd=2 numeric digits with value 01-31, followed by a space(" ") -HH=2 numeric digits with value 00-24, followed by a colon(":") -mm=2 numeric digits with value 00-59, followed by a colon(":") -ss=2 numeric digits with value 00-59, followed by a colon(":")

No.	Field Name	Description	Mandatory	Field Validity
				-fff=3 numeric digits with value 000-999
3	MessageID	Unique Identifier for every message exchange.	Y	Length : 1- 255 characters or numeric(or both)
4	PINType	Putet PIN Type	Y	3M – for 3 months 6M – for 6 months 12M – for 12 months
5	Amount	Putet PIN amount	Y	Length : 12 numeric Format : pad left '0' if not filled with 12 numeric and the last 2 digits is for exponent. E.g. 000000010000 represents 100.00
6	HashValue	Hash value computed by HMACSHA1 with secret key provided by PUTET System.	Y	Length : 255 Signature String : Version + TimeStamp + MessageID + PINType + Amount Secret Key(Test) : 746D7SCHAIQ0QUZ0MRJWU0PQ3AD7PJ8B

2. PIN Response

```
<PINRes>
    <Version>1.0</Version>
    <TimeStamp>yyyyMMddhhmmssffff</TimeStamp>
    <MessageID>eee43434333</MessageID>
    <ResCode>00</ResCode>
    <ResDesc></ResDesc>
    <PINType></PINType>
    <Amount></Amount>
    <PIN>1234567890123456</PIN>
    <Expiry></Expiry>
    <SerialNo></SerialNo>
    <HashValue></HashValue>
</PINRes>
```

No.	Field Name	Description	Mandatory	Field Validity
1	Version	Message Version Number	Y	Length : 3 or more characters E.g. 1.0.0
2	TimeStamp	Date and time of request message	Y	Length : 22 characters Format : yyyy-MM-dd HH:mm:ss:fff -yyyy=4 numeric digits, followed by a dash("-") -MM=2 numeric digits with value 01-12, followed by a dash("-") -dd=2 numeric digits with value 01-31, followed by a space(" ")

				-HH=2 numeric digits with value 00-24, followed by a colon(":") -mm=2 numeric digits with value 00-59, followed by a colon(":") -ss=2 numeric digits with value 00-59, followed by a colon(":") -fff=3 numeric digits with value 000-999
3	MessageID	Unique Identifier for every message exchange.	Y	Length : 1- 255 characters or numeric(or both)
4	ResCode	Response Code	Y	00 = Success . Refer to 'Response Code Table'
5	ResDesc	Response Description	Y	
6	PINType	Putet PIN Type	Y	3M – for 3 months 6M – for 6 months 12M – for 12 months
7	Amount	Putet PIN amount	Y	Length : 12 numeric Format : pad left '0' if not filled with 12 numeric and the last 2 digits is for exponent. E.g. 000000010000 represents 100.00
8	PIN	Putet topup PIN number	Y	The PIN number from putet's topup system.
9	Expiry	Expiry of PIN	Y	
10	SerialNo	Serial Number	Y	The unique number of PIN in the putet's system.
11	HashValue	Hash value computed by HMACSHA1 with secret key provided by PUTET System.	Y	Length : 255 Signature String : Version + TimeStamp + MessageID + ResCode + ResDesc + PINType + Amount + PIN + Expiry + SerialNo Secret Key(Test) : 746D7SCHAIQ0QUZ0MRJWU0PQ3AD7PJ8B

3. How to send

Http post with XML. Example is from C#.net client as follow.

```
public string postXMLData(string destinationUrl, string requestXml)
{
    HttpWebRequest request = (HttpWebRequest)WebRequest.Create(destinationUrl);
    byte[] bytes;
    bytes = System.Text.Encoding.ASCII.GetBytes(requestXml);
    request.ContentType = "application/xml; encoding='utf-8'";
    request.ContentLength = bytes.Length;
    request.Method = "POST";
    Stream requestStream = request.GetRequestStream();
    requestStream.Write(bytes, 0, bytes.Length);
    requestStream.Close();
    HttpWebResponse response;
    response = (HttpWebResponse)request.GetResponse();
    if (response.StatusCode == HttpStatusCode.OK)
    {
        Stream responseStream = response.GetResponseStream();
        string responseStr = new StreamReader(responseStream).ReadToEnd();
        return responseStr;
    }
    return null;
}
```

4. Response Code Table

Response Code	Response Description
00	Success
01	PIN Type Not found
02	Out of stock
03	Internal Error
04	Amount Mismatched
05	Authentication Failed
06	Invalid Request
07	Invalid Message
08	DB Error
98	General Error
99	System Error