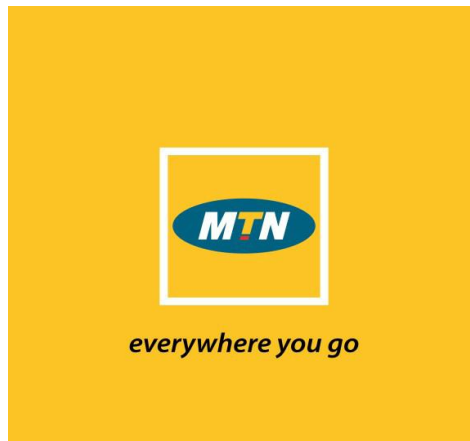


User Manual HTTP2EBB



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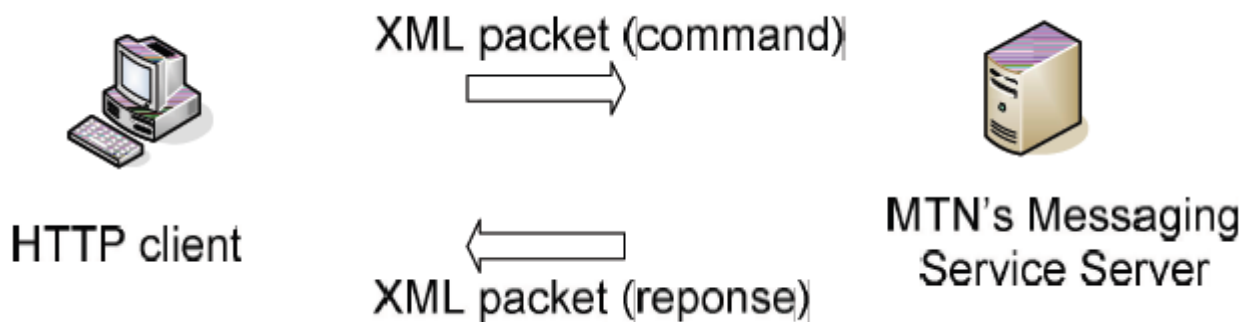
GETTING STARTED

The service allows customers to send Event Billing requests via HTTP.

We require static public IP's to open firewalls rules. Firewalls at customer to be opened for transmitter and receiver components:

- TX Destination - 196.11.240.180 [Port HTTP - 8080, Port HTTPS – 8443]
- RX Destination Real Time – 196.10.101.50, 196.10.101.51 [Port Socket - 7001]

Clients are provided with a URL address through which they will be sending and receiving SMSs as 'post' commands. The commands are in the form of an XML packet. Figure below shows the interaction of the customer's HTTP client and MTN's Messaging service.



REQUESTS TO MTN

To send SMS, a customer needs a HTTP client. The client can be a browser or a fully customised application automated in Client's environment. To send SMS's the follow these steps;

1. Establish an HTTP connection with MTN's messaging service through a provided address. Example: `http://servername.mtn.co.za:port/http2sms`
2. 'POST' an XML packet as per below as a **command** parameter to the above address. The application replies with the status of the post.

INPUT EXAMPLE

```
<usareq NODE='ebb' TRANSFORM='XML_RPC' USERNAME='user' VERBOSITY='1' PASSWORD='password'>
<command>
<debit>
<transactionId>123456789</transactionId>
<msisdn>2783*****</msisdn>
<debitAmount>50</debitAmount>
<contentTypeId>008</contentTypeId>
<contentDescription>SMS</contentDescription>
<contentId>1234567890</contentId>
<partnerName>USA test</partnerName>
</debit>
</command>
</usareq>
```

OUTPUT EXAMPLE

```
<usarsp COMMAND="debit" INSTANCE="segfault" NODE="ebb" REQ_ID="1264056027748_4" RESPONSE_TIME="109"
TRANSFORM="XML_RPC" USERNAME="superuser">
<datablock NAME="XML-RPC RESPONSE DATA">
<statusCode><![CDATA[4756]]></statusCode>
<result><![CDATA[Test Successful]]></result>
<msn><![CDATA[5274260580656796785]]></msn>
<rsn><![CDATA[000000003]]></rsn>
</datablock>
</usarsp>
```

NETWORK RULES

1. **partnerName** is *optional*. If specified it has to be less than 25 characters.
2. **transactionId** is *optional*. If specified it has to refer to a valid partnerId or content provider id. It is best left unset unless you know how to use it.
3. All other input parameters are *mandatory*.
4. Some input parameters have length constraints:

Parameter name	Max length
transactionId	9
contentTypeId	3
contentDescription	34
contentId	34

5. **debitAmount** must be a valid integer. All values are to be supplied as cents, e.g. R0.50 must be specified as 50

REQUESTS TO VODACOM

To send SMS, a customer needs a HTTP client. The client can be a browser or a fully customised application automated in Client's environment. To send SMS's the follow these steps;

1. Establish an HTTP connection with MTN's messaging service through a provided address. Example: `http://servername.mtn.co.za:port/http2sms`
2. 'POST' an XML packet as per below as a **command** parameter to the above address. The application replies with the status of the post.

INPUT EXAMPLE

REQUEST AUTHORIZATION

```
<usareq NODE='beprab03' TRANSFORM='OBS' USERNAME='user' VERBOSITY='1' PASSWORD='password'>
<command>
<AAA>
<Request type='AuthReq'>
<Cold>xx</Cold>
<CoKey>yyy</CoKey>
<AuthReqRef>88888</AuthReqRef>
<SrvName>MTN</SrvName>
<SrvProvId>MTN</SrvProvId>
<SubId>2782zzzzzz</SubId>
<ContentClass>00</ContentClass>
<IdType>MSISDN</IdType>
<EvtDtm>15-02-2010 23:58:00</EvtDtm>
<CostAttr1>500</CostAttr1>
<CostAttr2>438</CostAttr2>
<CostAttr3/>
<StrDtm>15-02-2010 23:58:00</StrDtm>
<ReqType>S</ReqType>
</Request>
</AAA>
</command>
```

</usareq>

CONFIRM AUTHORIZATION

```
<usareq NODE='beprab03' TRANSFORM='OBS' USERNAME='user' VERBOSITY='1' PASSWORD='password'>
<command>
<AAA>
<Request type='AccConf'>
<Cold>xx</Cold>
<CoKey>yyy</CoKey>
<AuthReqRef>88888</AuthReqRef>
<AuthRef>3744821</AuthRef>
<SrvCnf>Y</SrvCnf>
<SrvDelDtm>15-02-2010 23:58:00</SrvDelDtm>
</Request>
</AAA>
</command>
</usareq>
```

OUTPUT EXAMPLE

AUTHORIZATION

```
<usarsp COMMAND="AAA" INSTANCE="usa_instance" NODE="beprab03" REQ_ID="1266242302058_7"
RESPONSE_TIME="1093" TRANSFORM="OBS" USERNAME="user">
<datablock NAME="OBS RESPONSE DATA">
<AAA>
<Response type="ReqAck">
<AckNack>A</AckNack>
<AckRes>00</AckRes>
<AuthRef>3744821</AuthRef>
<AuthReqRef>88888</AuthReqRef>
<PayMethod>C</PayMethod>
</Response>
</AAA>
</datablock>
</usarsp>
```

CONFIRMATION

```
<usarsp COMMAND="AAA" INSTANCE="usa_instance" NODE="beprab03" REQ_ID="1266831576015_3"
RESPONSE_TIME="199" TRANSFORM="OBS" USERNAME="user">
<datablock NAME="OBS RESPONSE DATA">
<AAA>
<Response type="ReqAck">
<AckNack>A</AckNack>
<AckRes>00</AckRes>
<AuthRef>3744821</AuthRef>
<AuthReqRef>88888</AuthReqRef>
<PayMethod/>
</Response>
```

</AAA>
</datablock>
</usarsp>

NETWORK RULES

1. *Cold*, *CoKey* and *SrvProvl* are to be provided by Vodacom when registering for an account
2. *SrvName* may be any 40 characters. This value **must** be registered on OBS for the provided *Cold*, *CoKey* and *SrvProvl*.
3. *AuthReqRef* **must** be unique for every request, except when confirming a previous authorization. In this case the *AuthReqRef* **must** match the reference received for a previous authorization.
4. *ReqType* may be either *S* (subscription) or *A* (ad-hoc)
5. The possible values for *ContentClass* are:

Value	Description
00	All ages
01	Age classified
04	Age restricted

6. *EvtDtm* and *StrDtm* **must** formatted as *dd-mm-yyyy hh:mm:ss*
7. *CostAttr1* and *CostAttr2* are the VAT inclusive and exclusive values respectively. The values are specified in **decicents** (rounded to the nearest cent).
8. *CostAttr3* are reserved for future use and **must** specified as above.
9. *IdType* has only a single value **MSISDN**
10. *SrvCnf* can be either *_Y* (yes) or *N* (no)
11. *SrvDelDtm* is the date/time the service was delivered to the subscriber.

REPORTS