

SMPP IMPLEMENTATION SPECIFICATION

SMS DOZE

SPECIFIC SMPP

CONFIGURATION

1.0 OVERVIEW

This document is intended for customers of SMS DOZE SMS gateway only.

The SMS DOZE SMPP API offers an SMPP SERVER connection with the SMS DOZE gateway

Using our standard authentication system and error codes.

However, not all advanced features have been thoroughly tested. In addition, Number Lookup and SMS Mobile Originated (MO) are supported. In any case, of uncertainty, please contact support@ssd-tech.com.

Connecting via SMPP requires a detailed understanding of the SMPP Protocol.

This document only contains information on how to use SMPP when connecting to the SMS DOZE message gateway.

1.1 REQUIREMENTS FOR CONNECTIVITY WITH SMS DOZE

1.1.1. Registration

For registration of account, kindly contact your Account Manager.

1.1.2. Credentials and Connection Details

Upon registration, you will be provided with the username and password to connect to SMS DOZE's SMPP SERVERs.

1.1.3. Number Lookup

In case customers want to do Number Lookup queries via SMPP, it needs to be enabled for the account. Please contact your Account Manager to enable the service.

2 Technical Documentation

2.1 HTTP Application Programming Interface SMPP specification

The SMS DOZE offers to send messages. This chapter contains specifications for the following methods.

- Send messages using HTTP plain- with this method it is possible to send SMS to a number of recipients using HTTP plain passing parameters directly as query string variables.
- Collect delivery reports- gives you the ability to collect XML-formatted delivery reports from sent SMS messages using either the push (HTTP POST method to a predefined call-back URL).

2.2 Submitting messages

HTTP (s) Plain

- Send Plain SMS

<http://sms.doze.my/send.php?username=test&password=test&mask=friend&destination=xxxxxxxxxxx&body=testsmstestsms>

- Send SMS with delivery report request
<http://sms.doze.my/send.php?username=test&password=test&mask=friend&destination=xxxxxxxxxxx&body=testsmstestsms&dlr=1>
- Send SMS without delivery report request
<http://sms.doze.my/send.php?username=test&password=test&mask=friend&destination=xxxxxxxxxxx&body=testsmstestsms&dlr=0>

To get delivery report, send sms with dlr=1. Then we are send an xml file .The xml file have a dlrTranctionID and the mobile number.

The user get the following xml file.

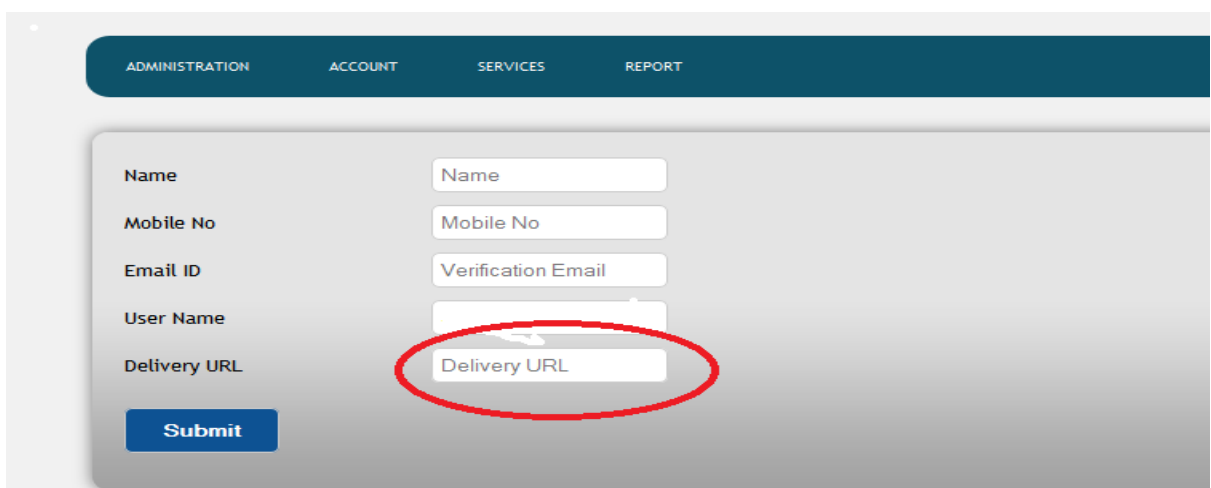
```
<?xml version="1.0" encoding="UTF-8"?>
<results>
  <dlr>1</dlr>
  <dlrTranctionID>xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx</dlrTranctionID>
  <msdn>xxxxxxxxxxxxxxxx</msdn>
</results>
```

We send a delivery report through this **dlrTranctionID**. If the message can't possible to send then the user have not get any xml file .Then we send the reason of the occurrence.

2.3 Delivery Report

PUSH method

We push an xml file of the user website for the delivery report.
 The user must be add a link in his profile.



We send a xml like the following.

```
<?xml version="1.0" encoding="UTF-8"?>
```

```
<DeliveryReport>
<message dlrTranctionID=xxxxxxxxxxxxxxx sentdate=xxxxxxx donedate=xxxxxxx status='DELIVERED'
gsmerror='0' msdn=xxxxxx />
....
</DeliveryReport>
```

We provide a sample code for the parsing of the xml code.

```
<?php

$postData = file_get_contents("php://input");

$dom = new DOMDocument( "1.0", "ISO-8859-15" );

$dom->loadXML($postData);

$xPath = new domxpath($dom);

$reports = $XPath->query("/DeliveryReport/message");

foreach ($reports as $node) {
    $messageID = $node->getAttribute('dlrTranctionID');
    $sendDate = $node->getAttribute('sentdate');
    $txtTimestamp = $node->getAttribute('donedate');
    $txtStatus = $node->getAttribute('status');
    $txtReason = $node->getAttribute('gsmerror');
    $mobileNumber = $node->getAttribute('msdn');

?>
```

2.4 Analysis

Meaning of some keyword.

Username – it is a unique name. This name is only for API uses. We give the username to the user.

Password – it is not the user login password. We also give the password to the user.

Mask- mask means the name of the sender, it can be numeric or can be alphabetic. Friend, Mr. xxx , 1234567890 the example of the mask.

Destination- it is the mobile number of the receiver mobile number.

Body- it is the message text. We provide the short and long sms to the customer.

Dlr- dlr means delivery report want or not. If user send dlr=1,then we send delivery report and dlr=0 then we are not send any delivery report. If the user missing dlr,then the user also missing delivery report.

dlrTranctionID- it is a unique id for the message .

status- means the delivered/not delivered /failed etc .

msdn-means mobile number.