HTTP(S) API Specification

1. Overview

This document is a technical guide that describe how to use Wirepick HTTP API for sending SMS. The API supports both HTTP POST and GET methods. We recommend POST for larger data transfer, due to the size limitations of GET. Communication to our API can be done either via HTTP on port 80 or HTTPS on port 443. All calls to the API must be URL-encoded, unless advised otherwise.

2. Send Message

Basic Command Structure:

URL	Call	Authentication	Message Parameters

https://api.wirepick.com/httpsms/send?client=xxxx&password=xxx&phone=xxxx&text=xxxx&from=xxxx

One can send to multiple phone numbers by delimiting the addresses with semi-colon. The basic parameters required are **phone** (the handset number to which the message is being sent) and **text** (the content of the message).

Example 1.

http://api.wirepick.com/httpsms/send?client=xxxxxxx&password=xxxxxxx&phone=xxxxxxxxx&text=Hello+from+Wirepick&from=CNPS

Example 2 (using https)

https://api.wirepick.com/httpsms/send?client=xxxxxxx&password=xxxxxxx&phone=xxxxxxxxx&text=Hello+from+Wirepick&from=CNPS

NB:
1. You can copy the above URL and paste it into the browser, substituting your credentials and destination phone for testing the HTTP call. In your application, you simply need to make an HTTP(s) client call using the URL.

2. The parameter names are case-sensitive (must be in lower case).

After submission, wirepick assigns a unique message ID to each message to a phone number. This ID can be used to track and monitor the message.

```xml
<?xml version="1.0" encoding="utf-8" ?>
    <messages>
        <sms>
            <msgid>827737338</ msgid >
            <phone>233543415095</phone>
            <country>Ghana</country>
            <status>Accepted</status>
        </sms>
    </ messages>
```

3. Query Message

This command returns the status of a message. You can query the status with either the **msgid**. The msgid is the message ID returned by the Gateway when a message has been successfully submitted. You may also authenticate with **client** and **password**.

http://api.wirepick.com/httpsms/querymsg?client=xxxx&password=xxx&msgid=xxxx

Client can also register a URL to which the delivery reports will be posted

See Appendix A for status codes.

Message status reports can be viewed online within Wirepick website. These reports can also be exported in Excel format.

4. Message parameters

Table of parameters

Parameter Name	Description
client	Client ID
password	Client's account password
phone	Recipient Mobile Number
text	The message to be sent to the mobile number
from	This is the Sender Name that will appear on the recipient mobile number.
affiliate	Optional parameter. This is used to classify the subgroup that sends the message if the client account has subgroups.

5. Intergration samples

5.1 PHP
// Calling the API using simple_load_file function

$url = "https://api.wirepick.com/httpsms/send?client=xxxx&password=xxxxx&phone=xxxx&text=xxxx&from=xxxx"

// response from the server is retuned in xml format showed in the section 2.2 above
$response = simplexml_load_file(urlencode($url));

// accessing xml elements inside the response from the server
$status = $response->status;
$msgid = $response->msgid;

5.2 .Net (VB.Net)

```vbnet
        ' Create a request using a URL that can receive a post.
Dim request As WebRequest =
WebRequest.Create("https://api.wirepick.com/httpsms/send?client=xxxx&password=xxxxx&phone=xxxx&text=xxxx&from=xxxx")
        'Set the Method property of the request to POST.
 request.Method = "POST"

' message is the variable containing the sms string to be sent.
Encoding.UTF8.GetBytes(message)
        ' Set the ContentType property of the WebRequest.
request.ContentType = "application/x-www-form-urlencoded"
        ' Set the ContentLength property of the WebRequest.
request.ContentLength = byteArray.Length
        ' Get the request stream.
Dim dataStream As Stream = request.GetRequestStream()
        ' Write the data to the request stream.
dataStream.Write(byteArray, 0, byteArray.Length)
        ' Close the Stream object.
dataStream.Close()
        ' Get the response.
Dim response As WebResponse = request.GetResponse()
        ' Display the status.
resp = (CType(response, HttpWebResponse).StatusDescription)
        ' Get the stream containing content returned by the server.
dataStream = response.GetResponseStream()
        ' Open the stream using a StreamReader for easy access.
Dim reader As New StreamReader(dataStream)
        ' Read the XML content returned by the server.
responseFromServer = reader.ReadToEnd()
        ' Display the content.
Console.WriteLine(responseFromServer)
        ' Clean up the streams.
reader.Close()
dataStream.Close()
response.Close()
```

6.   Appendix A: Message statuses

These are message statuses that are generated after the Wirepick gateway has accepted the message for delivery. Data regarding messages passing initial validation and accepted for delivery will be included in your Wirepick site under Reports Menu.

Accepted	Message Accepted into Wirepick Server
Message too long	The message ID is incorrect or reporting is delayed. The message could not be delivered and has been queued for attempted redelivery
Delivered to gateway	Delivered to the upstream gateway or network (delivered to the recipient)
Received by recipient	Confirmation of receipt on the handset of the recipient
Error with message	There was an error with the message, probably caused by the content of the message itself
User cancelled message delivery	The message was terminated by a user (stop message command) or by our staff
Error delivering message	An error occurred delivering the message to the handset
Message received by gateway.	Message received by Upstream gateway.
Routing error	The routing gateway or network has had an error routing the message
Message expired	Message has expired before we were able to deliver it to the upstream gateway. No charge applies
Message queued for later delivery	Message has been queued at the gateway for delivery at a later time (delayed delivery)
Out of credit	The message cannot be delivered due to a lack of funds in your account.
No or Invalid Password	Invalid Password supplied in the request
Buffered by Gateway	The message is in transit at the upstream gateway
Rejected by SMS	The message was rejected by upstream gateway
SMSC Error	The upstream gateway encountered an internal error when trying to deliver the message
No Status from SMSC	No new information about the delivery from the Network
Non-standard Status from SMSC	Remote gateway returned a non-standar error message
Invalid destination address	The message cannot be delivered due to a lack of funds in your account
Destination mobile number blocked	The mobile number has been blocked from receiving messages
Destination mobile opted out	The mobile number has opted out of SMS receiving
Number delisted	The mobile number has has been delisted by the Network
Invalid Message ID	The message cannot be located. The message id supplied may not be correct

6. Contact details

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