HTTPS SMS API SPEC

version 2.0

This document contains HTTPS API information about

- Pushing SMS,
- Pushing Unicode SMS,
- Scheduling SMS
- Checking SMS credits,
- Checking date wise DLR,
- Checking Message ID wise DLR with mobile number,
- Parameters and its descriptions
- List of Return Values and their descriptions

It also contains Sample Codes for reference purpose

- .Net
- PHP
- Java

Read this document carefully as it contains all the necessary information in detail to help you understand and integrate the same in your system without any difficulties.

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To Send SMS - Get / Post Method

To send SMS, use the below URL:

To send SMS with DLT Template ID (available only for India SMS) use the below URL:

Param	neter Name	Parameter Description
1)	APIKEY	This is a unique 11Character key.
		To generate API Key:
		 Login to your account - DEVELOPER API > API KEY
2)	MobileNo	This field will have all the mobile nos. separated by a comma. The maximum nos. for
		signal URL is 100 in Get method. In Post method, you can send as many as you wish.
		 Each mobile number must start with Country code and then mobile number
		e.g. for India 919812345XXX OR for UAE 971541234XXX OR for US 17326XXXX
		 Prefixing mobile numbers with + OR 00 is Not Allowed.
3)	SenderID	This field will hold the Header that will be displayed on the GSM mobile phones.
		To check the Sender ID/ Header ID approved on your account:
		 Login to your account - PUSH SMS > DLT Approved Sender ID (India users only)
		 Login to your account - PUSH SMS > Manage Sender ID
4)	Message	First URL-Encode the Message parameter then pass the Message parameter in URL
		To check how to URL Encode - https://www.w3schools.com/tags/ref_urlencode.asp
		The message length should be less than 1000 characters
		1 - 160 char = 1 SMS 161 - 306 char = 2 SMS 307 - 459 char = 3 SMS
		460 - 611 char = 4 SMS 612 - 764 char = 5 SMS 765 - 917 char = 6 SMS
		918 - 1070 char = 7 SMS
5)	SeviceName	For this field pass the name of the Service for which you have registered/subscribed
		e.g.
		TEMPLATE_BASED
		PROMOTIONAL_HIGH
		PROMOTIONAL_SPL
		OPTIN_OPTOUT INTERNATIONAL
		INTERNATIONAL
		To check service/s active on your account: Login to your account - Dashboard
6)	DLTTemplateID	This is an optional field , which is available for India SMS users only.
		This field will have user's 19 digits DLT Template ID of the particular DLT approved
		Template on the operators DLT platform.

LIST OF RETURN VALUES FOR HTTPS REQUEST - SEND SMS

Return Value/ Status	Description
MsgID:MobileNo:BatchID (success)	All the messages are submitted successfully to the operator/s.
	MsgID - Alphanumeric ID that will be useful while retrieving the reports.
	BatchID- Unique ID generated for all the messages sent in the Batch
INVALID PARAMETERS (failure)	If any of the parameter value is missing or requesting URL is incorrect
INVALID SenderID (failure)	If the Sender ID is not the one approved for your account
Invalid APIKey (failure)	If the API key is incorrect
INSUFFICIENT_CREDIT (failure)	If the credits are not enough to send the message/s
INVALID username/password (failure)	If the username OR password is incorrect
Template Does Not Match (failure)	For TEMPLATE_BASED service user only, when Message Parameter contain
	the template which is not exactly the same as approved on your account.
	Please note, even a full stop (.) or Comma (,) or next line (enter) or space is
	missing or is extra will give you this error.
	To check the approved Template on your account:
	Login to your account – DLT APPROVED TEMPLATES > DLT Approved
	Template List
	OR
	To check exact full format for complex templates:
	Login to your account - PUSH SMS > Compose SMS > Select the Template
	from drop down
	Exact approved template will appear in the box for your reference
No Templates Approved (failure)	For TEMPLATE_BASED service user only, when still no template is being
	approved on your account.
	To get your new template approved
	 Login > DLT APPROVED TEMPLATES > Add DLT Approved Template
BLOCKED (failure)	For INTERNATIONAL user, it means country is not allowed on your account.
	If you wish to add more countries to your account, please email to
	helpdesk@iglobesolutions.com from your registered email.
	#Using INTERNATIONAL service messages cannot be send to INDIA
	For OPTIN_OPTOUT user, it means number/s not opt-in for your account or
	number/s have sent opt-out message.

Kindly Note:

To Send Unicode SMS - Get / Post Method

To send Unicode (other than English) SMS, use the below URL:

To send Unicode SMS with DLT Template ID (available only for India SMS) use the below URL:

Param	neter Name	Description
1)	APIKEY	This is a unique 11 Character key.
		To generate API Key:
		 Login to your account - DEVELOPER API > API KEY
2)	MobileNo	This field will have all the mobile nos. separated by a comma. The maximum nos.for signal
		URL is 100 in Get method. In Post method, you can send as many as you wish.
		 Each mobile number must start with Country code and then mobile number e.g.
		for India 919812345XXX OR for UAE 971541234XXX OR for US 17326XXXX
		 Prefixing mobile numbers with + OR 00 is Not Allowed.
3)	SenderID	This field will hold the Header that will be displayed on the GSM mobile phones.
		To check the Sender ID/ Header ID approved on your account:
		 Login to your account - PUSH SMS > DLT Approved Sender ID (India users only)
		 Login to your account - PUSH SMS > Manage Sender ID
4)	Message	First URL-Encode the Message parameter then pass the Message parameter in URL
		To check how to URL Encode - https://www.w3schools.com/tags/ref_urlencode.asp
		The message length should be less than 804 characters and 1 SMS credit per contact
		should be deducted for each 70characters' message.
5)	SeviceName	For this field pass the name of the Service for which you have subscribed e.g.
		TEMPLATE BASED
		PROMOTIONAL HIGH
		PROMOTIONAL_SPL
		OPTIN_OPTOUT
		INTERNATIONAL
		To check service/s active on your account: Login to your account – Dashboard
6)	DLTTemplateID	This is an optional field, which is available for India SMS users only.
		This field will have user's 19 digits DLT Template ID of the particular DLT approved
		Template on the operators DLT platform.

LIST OF RETURN VALUES FOR HTTPS REQUEST - SEND UNICODESMS

Return Value/ Status	Description
MsgID:MobileNo:BatchID (success)	All the messages are submitted successfully to the operator/s.
	MsgID - Alphanumeric ID that will be useful while retrieving the reports.
	BatchID- Unique ID generated for all the messages sent in the Batch
INVALID PARAMETERS (failure)	If any of the parameter value is missing or requesting URL is incorrect
INVALID SenderID (failure)	If the Sender ID is not the one approved for your account
Invalid APIKey (failure)	If the API key is incorrect
INSUFFICIENT_CREDIT (failure)	If the credits are not enough to send the message/s
INVALID username/password (failure)	If the username OR password is in correct
BLOCKED (failure)	For INTERNATIONAL user, it means country is not allowed on your account.
	If you wish to add more countries to your account, please email to
	helpdesk@iglobesolutions.com from your registered email.
	#Using INTERNATIONAL service messages cannot be send to INDIA
	For OPTIN_OPTOUT user, it means number/s not opt-in for your account or
	number/s have sent opt-out message.

Kindly Note:

To Schedule SMS - Get / Post Method

To Schedule SMS, use the below URL:

To Schedule SMS with DLT Template ID (available only for India SMS) use the below URL:

The parameters that are going to be passed and their descriptions are given below:

Param	eter Name	Description
1)	APIKEY	This is a unique 11 Character key.
		To generate API Key:
		Login to your account - DEVELOPER API > API KEY
2)	Mobile No	This field will have all the mobile nos. separated by a comma. The maximum nos. for signal
		URL is 100 in Get method. In Post method, you can send as many as you wish.
		- Each mobile number must start with Country code and then mobile number e.g.
		for India 919812345XXX OR for UAE 971541234XXX OR for US 17326XXXX
		- Prefixing mobile numbers with + OR00 is Not Allowed.
3)	Sender ID	This field will hold the Header that will be displayed on the GSM mobile phones.
		To check the Sender ID/ Header ID approved on your account:
		Login to your account - PUSH SMS > DLT Approved Sender ID (India users only) Login to your account - PUSH SMS > Manager Sender ID
4)	N4	- Login to your account - PUSH SMS > Manage Sender ID
4)	Message	First URL-Encode the Message parameter then pass the Message parameter in URL To check how to URL Encode - https://www.w3schools.com/tags/ref urlencode.asp
		- For Normal SMS (English) - The message length should be less than 1000
		characters and 1 SMS credit per contact should be deducted for each 160
		characters' message.
		 For Unicode (other than English) - The message length should be less than 804
		characters and 1 SMS credit per contact should be deducted for each 70
		characters' message.
5)	SeviceName	For this field pass the name of the Service for which you have registered/subscribed e.g.
		TEMPLATE BASED
		PROMOTIONAL_HIGH
		PROMOTIONAL_SPL
		OPTIN_OPTOUT
		INTERNATIONAL
		To check service/s active on your account: Login to your account - Dashboard
6)	ScheduleDate	yyyy-MM-ddHH:mm:ss i.e. 2014-07-24 17:05:00
		1111
7)	DLTTemplateID	This is an optional field , which is available for India SMS users only.
		This field will have user's 19 digits DLT Template ID of the particular DLT approved
		Template on the operators DLT platform.

LIST OF RETURN VALUES FOR HTTPS REQUEST - SCHEDULE SMS

Return Value/ Status	Description
MsgID:MobileNo:BatchID (success)	All the messages are submitted successfully to the operator/s.
	MsgID - Alphanumeric ID that will be useful while retrieving the reports.
	BatchID- Unique ID generated for all the messages sent in the Batch
INVALID PARAMETERS (failure)	If any of the parameter value is missing or requesting URL is incorrect
INVALID SenderID (failure)	If the Sender ID is not the one approved for your account
Invalid APIKey (failure)	If the API key is incorrect
INSUFFICIENT_CREDIT(failure)	If the credits are not enough to send the message/s
INVALID username/password (failure)	If the username OR password is incorrect
Template Does Not Match (failure)	For TEMPLATE_BASED service user only, when Message Parameter contain
	the template which is not exactly the same as approved on your account.
	Please note, even a full stop (.) or Comma (,) or next line (enter) or space is
	missing or is extra will give you this error.
	To check the approved Template on your account:
	Login to your account – DLT APPROVED TEMPLATES > DLT Approved
	Template List
	OR
	To check exact full format for complex templates:
	Login to your account - PUSH SMS > Compose SMS > Select the Template
	from drop down
	Exact approved template will appear in the box for your reference
No Templates Approved (failure)	For TEMPLATE_BASED service user only, when still no template is being
	approved on your account.
	To get your new template approved
	 Login > DLT APPROVED TEMPLATES > Add DLT Approved Template
BLOCKED (failure)	For INTERNATIONAL user, it means country is not allowed on your account.
	If you wish to add more countries to your account, please email to
	helpdesk@iglobesolutions.com from your registered email.
	#Using INTERNATIONAL service messages cannot be send to INDIA
	For OPTIN_OPTOUT user, it means number/s not opt-in for your account or
	number/s have sent opt-out message.

Kindly Note:

To Schedule Unicode SMS - Get / Post Method

To Schedule Unicode (other than English) SMS, use the below URL:

To Schedule Unicode SMS with DLT Template ID (available only for India SMS) use the below URL:

Param	neter Name	Description
1)	APIKEY	This is a unique 11 Character key.
		To generate API Key:
		 Login to your account - DEVELOPER API > API KEY
2)	Mobile No	This field will have all the mobile nos. separated by a comma. The maximum nos.for signal
		URL is 100 in Get method. In Post method, you can send as many as you wish.
		 Each mobile number must start with Country code and then mobile number e.g.
		for India 919812345XXX OR for UAE 971541234XXX OR for US 17326XXXX
		 Prefixing mobile numbers with + OR 00 is Not Allowed.
3)	Sender ID	This field will hold the Header that will be displayed on the GSM mobile phones.
		To check the Sender ID/ Header ID approved on your account:
		 Login to your account - PUSH SMS > DLT Approved Sender ID (India users only)
		 Login to your account - PUSH SMS > Manage Sender ID
4)	Message	First URL-Encode the Message parameter then pass the Message parameter in URL
		To check how to URL Encode - https://www.w3schools.com/tags/ref urlencode.asp
		 For Normal SMS (English) - The message length should be less than 1000
		characters and 1 SMS credit per contact should be deducted for each 160
		characters' message.
		 For Unicode (other than English) - The message length should be less than 804
		characters and 1 SMS credit per contact should be deducted for each 70
		characters' message.
5)	SeviceName	For this field pass the name of the Service for which you have registered/subscribed e.g.
		TEMPLATE_BASED
		PROMOTIONAL_HIGH
		PROMOTIONAL_SPL
		OPTIN_OPTOUT
		INTERNATIONAL
		To check service/s active on your account: Login to your account - Dashboard
6)	ScheduleDate	yyyy-MM-ddHH:mm:ss i.e. 2014-07-24 17:05:00
7)	DLTTemplateID	This is an optional field, which is available for India SMS users only.
		This field will have user's 19 digits DLT Template ID of the particular DLT approved
		Template on the operators DLT platform.

LIST OF RETURN VALUES FOR HTTPS REQUEST - SCHEDULE UNICODE SMS

Return Value/ Status	Description
MsgID:MobileNo:BatchID (success)	All the messages are submitted successfully to the operator/s.
	MsgID - Alphanumeric ID that will be useful while retrieving the reports.
	BatchID - Unique ID generated for all the messages sent in the Batch
INVALID PARAMETERS (failure)	If any of the parameter value is missing or requesting URL is incorrect
INVALID SenderID (failure)	If the Sender ID is not the one approved for your account
Invalid APIKey (failure)	If the API key is incorrect
INSUFFICIENT_CREDIT (failure)	If the credits are not enough to send the message/s
INVALID username/password (failure)	If the username OR password is incorrect
BLOCKED (failure)	For INTERNATIONAL user, it means country is not allowed on your account.
	If you wish to add more countries to your account, please email to
	helpdesk@iglobesolutions.com from your registered email.
	#Using INTERNATIONAL service messages cannot be send to INDIA
	For OPTIN_OPTOUT user, it means number/s not opt-in for your account or
	number/s have sent opt-out message.

Kindly Note:

To Delete Schedule SMS - Get Method

To delete Scheduled SMS, use below URL:

https://smsapi.24x7sms.com/api 2.0/DeleteScheduleSMS.aspx?APIKEY=xxxxx&ServiceName=xxxxx&ScheduleDate=xxxx&BatchID=xxxxxxx

Parameter name	Description
1) APIKEY	This is a unique 11 Character key.
	To generate API Key:
	 Login to your account - DEVELOPER API > API KEY
2) SeviceName	For this field pass the name of the Service for which you have registered/subscribed e.g.
	TEMPLATE_BASED
	PROMOTIONAL_HIGH
	PROMOTIONAL_SPL
	OPTIN_OPTOUT
	INTERNATIONAL
	To check service/s active on your account: Login to your account - Dashboard
3) ScheduleDate	yyyy-MM-ddHH:mm:ss i.e. 2014-07-24 17:05:00
4) BatchID	BatchID – this is a unique ID generated for all the messages sent in the Batch which you
	will receive at the time of Scheduling the message.

LIST OF RETURN VALUES FOR HTTPS REQUEST - DELETE SCHEDULE SMS

Return Value/ Status	Description
Schedule Deleted Successfully (success)	All the scheduled messages deleted successfully.
INVALID username or password (failure)	If the username OR password is incorrect
INVALID PARAMETERS (failure)	If any parameter value is missing or requesting URL is incorrect.
Invalid API Key (failure)	If the API key is invalid

To Check SMS Credit / Euro - Get Method

To check SMS credits/ Euros balance, use below URL:

https://smsapi.24x7sms.com/api 2.0/BalanceCheck.aspx?APIKEY=xxxxxx&ServiceName=xxxxxx

Parameter Name	Description
1) APIKEY	This is a unique 11 Character key.
	To generate API Key:
	Login to your account - DEVELOPER API > API KEY
2) ServiceName	For this field pass the name of the Service for which you have registered/subscribed
	e.g.
	TEMPLATE_BASED
	PROMOTIONAL_HIGH
	PROMOTIONAL_SPL
	OPTIN_OPTOUT
	INTERNATIONAL
	To check service/s active on your account: Login to your account - Dashboard

LIST OF RETURN VALUES FOR HTTPS REQUEST - CHECK BALANCE

Return Value / Status	Description
Balance:Credits-Left (success)	Shows balance left in your account
INVALID PARAMETERS	If any parameter value is missing or requesting URL is incorrect.
INVALID username or password	If the username OR password are not valid
Invalid API Key	If the API key is invalid

To check Date-Wise Delivery Report - Get Method

To check DLR (Delivery Report), use below URL:

https://smsapi.24x7sms.com/api 2.0/GetReports.aspx?APIKEY=xxxxxx&StartDate=xxxxxx&EndDate=xxxxxxx

The parameters that are going to be passed and their descriptions are given below

Parameter Name	Description
1) APIKEY	This is a unique 11 Character key.
	To generate API Key:
	Login to your account - DEVELOPER API > API KEY
2) StartDate	Format yyyy-MM-dd
3) EndDate	Format yyyy-MM-dd

Sample Output

MsgID|919900XXXXXX|04/25/201007:34:56 PM|DELIVERED|IGLOBE

LIST OF RETURN VALUES FOR HTTPS REQUEST - CHECK DATE-WISE DLR

Return Value / Status	Description
MsgID	32 digits Alphanumeric Message ID
(i.e. pipe sign)	This sign divides fields as listed below:
	1. Message ID
	2. Recipient Mobile Number
	3. Delivered Date Time
	4. Status
	5. Sender ID
INVALID PARAMETERS	If any parameter value is missing or requesting URL is incorrect.
INVALID username or password	If the username OR password is not valid.
No Records found	If there are no records on the given dates
Invalid API Key	If the API key is invalid

To Check Message ID wise DLR (With Mobile No.) - Get / Post Method

To Check Message ID wise DLR (With Mobile No.), use below URL:

https://smsapi.24x7sms.com/api 2.0/GetReportMsgID.aspx?APIKEY=xxxxx&MsgID=xxxxxx&SenderID=xxxxxx

The parameters that are going to be passed and their descriptions are given below

Parameter Name	Description
1) APIKEY	This is a unique 11 Character key. You can generate it from My Account.
	Login to your account - DEVELOPER API > API KEY
2) MsgID	This field will contain the ID (MsgID) that was captured while sending the SMS
3) SenderID	This field will contain the SenderID used to send the message

Sample Output

MsgID|919900XXXXXX|04/25/201007:34:56 PM|DELIVRD|IGLOBE

LIST OF RETURN VALUES FOR HTTPS REQUEST - CHECK MsgID-WISE DLR

Return Value / Status	Description
MsgID	32 digits Alphanumeric Message ID
(i.e. pipe sign)	This sign divides fields as listed below:
	1. Message ID
	2. Recipient Mobile Number
	3. Delivered Date Time
	4. Status
	5. Sender ID
INVALID PARAMETERS	If any parameter value is missing or requesting URL is incorrect.
INVALID username or password	If the username OR password is not valid.
INVALID MsgID	If the Message ID is invalid.
Invalid API Key	If the API key is invalid

Sample Code (.net)

```
public string MakeWebRequestGET(string url) //url is https API
        {
               string result = "";
               try
                      WebRequestWReq = WebRequest.Create(url);
                      WebResponsewResp = WReg.GetResponse();
                      StreamReadersr = new StreamReader(wResp.GetResponseStream());
                      result = sr.ReadToEnd();
                      sr.Close();
               catch (Exception e)
                      }
               finally
               return result;//result will provide you MsgID
        }
protected void SendSMS()
        {
        url="https://smsapi.24x7sms.com/api 2.0/SendSMS.aspx?APIKEY=XXX&MobileNo=XXXX,XXX&SenderID=XX
        XX&Message=HttpsUtility.UrlEncode(XXXX)&ServiceName=XXXX";
        string request = url;
        string success = MakeWebRequestGET(request);
        }
```

Kindly Note:

Above code is for reference purpose only. Users will have to make changes as per their programme.

We will not be able to help you on phone call for query regarding API integration. If you need any assistance, please send your URL/Code/query to helpdesk@iglobesolutions.com from your registered email OR mention and keep your registered email in cc if email is sent from non-registered email id.

Sample Code (PHP)

Kindly Note:

Above code is for reference purpose only. Users will have to make changes as per their programme.

We will not be able to help you on phone call for query regarding API integration. If you need any assistance, please send your URL/Code/query to helpdesk@iglobesolutions.com from your registered email OR mention and keep your registered email in cc if email is sent from non-registered email id.

Sample Code (java)

```
String message = "Test message";
String requestUrl = "https://smsapi.24x7sms.com/api 2.0/SendSMS.aspx?" +
       "APIKEY=" + "xxxx" +
       "&MobileNo=" + "xxxx" +
       "&SenderID=" + "xxxxx" +
       "&Message=" + URLEncoder.encode(message, "UTF-8") +
       "&ServiceName=" + "TEMPLATE BASED";
       URL url = new URL(requestUrl);
       HttpsURLConnectionhttpsCon = (HttpsURLConnection) url.openConnection();
       httpsCon.setRequestMethod("GET");
       httpsCon.setConnectTimeout(10000);
       intintresult = httpsCon.getResponseCode();
       String strresult = httpsCon.getResponseMessage();
       BufferedReader in = new BufferedReader(new InputStreamReader(httpsCon.getInputStream()));
       String inputLine;
       StringBuffer response = new StringBuffer();
       while ((inputLine = in.readLine()) != null)
              {
                     response.append(inputLine);
              in.close();
              httpsCon.disconnect();
```

Kindly Note:

Above code is for reference purpose only. Users will have to make changes as per their programme.

We will not be able to help you on phone call for query regarding API integration. If you need any assistance, please send your URL/Code/query to helpdesk@iglobesolutions.com from your registered email OR mention and keep your registered email in cc if email is sent from non-registered email id.

Characters count as per GSM operators for your easy reference

English SMS Count:

01 - 160 char = 1 SMS count

161 - 306 char = 2 SMS count

307 - 459 char = 3 SMS count

460 - 611 char = 4 SMS count

612 - 764 char = 5 SMS count

765 - 917 char = 6 SMS count

918 - 1070 char = 7 SMS count

Unicode SMS Count:

01-70 Char = 1 SMS count

71 - 134 char = 2 SMS count

135 - 201 char = 3 SMS count

202 - 268 char = 4 SMS count

269 - 335 char = 5 SMS count

336 - 402 char = 6 SMS count

403 - 469 char = 7 SMS count

Though users may use up to 1000 English char & 469 Unicode char in 1 single message which is equivalent to 7 SMS credits but please note messages with more than 1 SMS count may get delayed, delivered in parts, may get delayed DLR and may also miss some parts depending upon the operators and recipient handset model.

Hence we recommend keeping your message under 1 SMS count or maximum between 1-3 SMS counts for optimal SMS delivery. Also latest smart phones may show it as one single message.

KINDLY NOTE:

Always perform test on personal numbers to check everything is alright before bulk submission as once messages are submitted to the operators it will be charged by them.

Please read this API document carefully as it contains all the necessary information in detail to help you understand and integrate the same in your system quite easily.

Thank You