

HTTP Based Unified API

**SMS GATEWAY**

Issue 4.0  
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## HTTP ACCESS MODEL

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### INTRODUCTION

The platform exposes a HTTP interface to its SMS Gateway. The SMS Gateway can be used for sending following types of SMS.

- Text SMS
  - Short: Up to 160 Characters
  - Long: Up to 1071 Characters
- Flash SMS
- Unicode SMS

To send messages using the HTTP interface, a client has to use POST/GET Method.

### TERMINOLOGY

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*param\_name* denotes a parameter in a HTTP request

### GLOSSARY

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MT	Message Termination; messages sent by the client
DR	Delivery Receipt
URL	Uniform Resource Locator
MSGID	Message ID
HTTP	Hyper Text Transfer Protocol
HTTPS	Hyper Text Transfer Protocol Secure (SSL)
JSON	JavaScript Object Notation
AES	Advanced Encrypting Standard
DES	Data Encrypting Standard
3DES	Triple Data Encrypting Standard

## MESSAGE TERMINATION

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### INTRODUCTION

The basic parameters required are *ph* and *text*, which refer to the destination address and content of the message respectively.

Each message returns either a unique identifier in the form of a Message ID (MSGID) OR an error code. The returned content is part of the BODY part of the HTML document returned from the HTTP POST/GET. The Message ID identifies a message uniquely in the our system and can be used to track and monitor any given message if required. The MSGID is returned after each post.

## MESSAGE PARAMETERS

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<b><i>usr</i></b> (Mandatory)	User Name	
<b><i>pwd</i></b> (Mandatory)	Password	
<b><i>sndr</i></b> (Mandatory)	The source / sender address	
<b><i>ph</i></b> (Mandatory)	Mobile Number	
<b><i>text</i></b> (Mandatory)	The content of the message (Short, Long & Unicode).	Max length 1071 Characters
<b><i>flash</i></b> (Optional)	To be used to send FLASH SMS	Value           1 Example       flash=1
<b><i>Unicode</i></b>	To be used to send unicode SMS	Value           1 Example       unicode=1
<b><i>time</i></b> (Optional)	To be used to schedule SMS	
<b><i>grp</i></b> (Optional)	If you want to send sms to your group list made in My Phone Book	grp will replace ph parameter
<b><i>Type</i></b> (Optional)	If you want to send sms & want to receive response in json format	&type=json
<b><i>Encrypt</i></b> (Optional)	Encryption Key will be provided by support Team.  Support DES, 3DES & AES	&encrypt=1

## EXAMPLE

### Text SMS (Short & Long):

```
http://IP_Address/Sub-  
Domain/unified.php?usr=xxxxxx&pwd=xxxxxx&ph=xxxxx&sndr=  
xxxxxx&text=xxxxxx
```

### Flash SMS:

```
http://IP_Address/Sub-  
Domain/unified.php?usr=xxxxxx&pwd=xxxxxx&ph=xxxxx&sndr=  
xxxxxx&flash=1&text=xxxxxx
```

### Unicode SMS:

```
http://IP_Address/Sub-  
Domain/unified.php?usr=xxxxxx&pwd=xxxxxx&ph=xxxxx&sndr=  
xxxxxx&unicode=1&text=xxxxxx
```

### Schedule SMS:

#### Unix Time Stamp:

```
http://IP_Address/Sub-  
Domain/unified.php?usr=xxxxxx&pwd=xxxxxx&ph=xxxxx&sndr=  
xxxxxx&time=1418045828&text=xxxxxx
```

#### DD-MM-YYYY HH:MM:SS (To be URL Encoded)

```
http://IP_Address/Sub-  
Domain/unified.php?usr=xxxxxx&pwd=xxxxxx&ph=xxxxx&sndr=  
xxxxxx&time=01-12-2014 20:30:30&text=xxxxxx
```

#### DD/MM/YYYY HH:MM:SS (To be URL Encoded)

```
http://IP_Address/Sub-  
Domain/unified.php?usr=xxxxxx&pwd=xxxxxx&ph=xxxxx&sndr=  
xxxxxx&time=01/12/2014 20:30:30&text=xxxxxx
```

### Group SMS:

```
http://IP_Address/Sub-  
Domain/unified.php?usr=xxxxxx&pwd=xxxxxx&grp=xxxxx&sndr=
```

xxxxxx&text=xxxxxx

**Note:** parameter “ph” will be replace by “grp”

**For Json: Add → “&type=json”**

<http://IP Address/Sub-Domain/unified.php?usr=xxxxxx&pwd=xxxxxx&ph=xxxxx&sndr=xxxxxx&text=xxxxxx&type=json>

**For Encryption: Add → “&encrypt=1”**

<http://IP Address/Sub-Domain/unified.php?usr=xxxxxx&pwd=xxxxxx&ph=xxxxx&sndr=xxxxxx&text=xxxxxx&encrypt=1>

**Response/Message Id:**

**Http:**

For the above request the following response will be provided:

296649 Send Successful 1 credits used Mobile=xxxxxxxxx MsgId=296649

**Note: Incase of Long SMS, Credits will Show Actual Credits deducted**

**Json:**

For the above request the following response will be provided:

```
{
  "MSGID": [{
    "id": "211020",
    "status": "Send Successful",
    "credits used": "1",
    "Mobile": "XXXXXXXXXX",
    "MsgId": "211020"
  }]
}
```

**Note: Incase of Long SMS, Credits will Show Actual Credits deducted**

**ERROR Description:**

Error Number	Description
-400	Invalid Mobile Number
-350	No More Credits or Expired A/c of Admin
-300	No More Credits in your sms A/c
-200	Authentication Failure
-100	Invalid Syntax or No data! send vars usr, pwd, ph, text

## MESSAGE PARAMETERS IN DETAIL

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### 1. DESTINATION ADDRESS (ph)

SMS messages can be sent in the following formats:

- 9XXXXXXXXX - 10 Digit Mobile
- 09XXXXXXXXX - 11 Digit Mobile No. Starting with 0
- 919XXXXXXXXX - 12 Digit Mobile Number. Starting with 91
- +919XXXXXXXXX - 13 Digit Mobile Number. Starting with +91

### 2. SOURCE ADDRESS (sender)

This source address (Sender ID) can only be 6 Digit Alphabetic without space and special characters.

### 3. Time

Time can set in the following formats:

- Unix Time Stamp → 1418122771
- DD-MM-YYYY HH:MM:SS → 09-12-2014 16:41:42
- DD/MM/YYYY HH:MM:SS → 09/12/2014 16:41:42

## EXTENDED GSM CHARACTERSET

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1.	€		6.	^
2.	\f		7.	{
3.	[		8.	
4.	\		9.	}
5.	]		10.	~

**Note:** Each of these character are equal to TWO (2) Characters

### Message Size

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LONG SMS	UNICODE SMS
1 - 160 = 1 SMS Credits, 160 characters	1 - 70 = 1 SMS Credits, 70 characters
161 - 306 = 2 SMS Credits, 145 characters	71 - 126 = 2 SMS Credits, 55 characters
307 - 459 = 3 SMS Credits, 152 characters	127 - 189 = 3 SMS Credits, 62 characters
460 - 612 = 4 SMS Credits, 152 characters	190 - 252 = 4 SMS Credits, 62 characters
613 - 765 = 5 SMS Credits, 152 characters	253 - 315 = 5 SMS credits, 62 characters
766 - 918 = 6 SMS Credits, 152 characters	316 - 378 = 6 SMS Credits, 62 characters
919 - 1071 = 7 SMS Credits, 152 characters	379 - 441 = 7 SMS credits, 62 characters

### Note:

- **In case of Long SMS:**
  - **1<sup>st</sup> Message = 160 Characters**
  - **2<sup>nd</sup> Message = 145 Characters**
  - **And rest All Message are of 152 Characters**
- **In case of Unicode SMS**
  - **1<sup>st</sup> Message = 70 Characters**
  - **2<sup>nd</sup> Message = 55 Characters**
  - **And rest All Message are of 62 Characters**



## Reports

Getting SMS reports are also as important as sending SMS. We have presently two mode of getting reports.

### Current Day Reports

[http://IP\\_Address/Sub-Domain/unified\\_dlr.php?usr=xxx&pwd=xxxxxx&type=http](http://IP_Address/Sub-Domain/unified_dlr.php?usr=xxx&pwd=xxxxxx&type=http)

### Past Day Reports of the Current Month

[http://IP\\_Address/Sub-Domain/unified\\_dlr.php?usr=xxxx&pwd=<pass>&type=http&&day=XX&mn=XX&yr=XXXX](http://IP_Address/Sub-Domain/unified_dlr.php?usr=xxxx&pwd=<pass>&type=http&&day=XX&mn=XX&yr=XXXX)

Where **day** = Date    **mn** = Month    **yr** = Year

It's easy and user friendly as user have just have to open session and reports will flow in batch of 1000.

### **MESSAGE PARAMETERS**

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<b>usr</b> (Mandatory)	User Name	
<b>pwd</b> (Mandatory)	Password	
<b>msgid</b> (Mandatory)	Message Id received at the time of submission of SMS	To be send with 1 <sup>st</sup> Format
<b>type</b> (Mandatory)	http/xml	To be Send with 2 <sup>nd</sup> Format
day	Date	If you wish to receive report of any other day other than current date of current month
mn	Month	If you wish to receive report of any other day other than current date of current month
yr	Year	If you wish to receive report of any other day other than current date of current month

## Report Sample:

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### Http Format:

```
id:27369 sub:000 dlvr:000 submit date:141208090227 done
date:141208090233 stat:DELIVRD err:DELIVRD text:
id:27376 sub:000 dlvr:000 submit date:141208090233 done
date:141208090239 stat:DELIVRD err:DELIVRD text:
id:256164 sub:000 dlvr:000 submit date:141208154359 done
date:141208154404 stat:DELIVRD err:DELIVRD text:
id:271441 sub:000 dlvr:000 submit date:141208164033 done
date:141208164037 stat:DELIVRD err:DELIVRD text:
id:296645 sub:000 dlvr:000 submit date:141208191228 done
date:141208191232 stat:DELIVRD err:DELIVRD text:
id:23478 sub:000 dlvr:000 submit date:141208164110 done
date:141208164116 stat:DELIVRD err:DELIVRD text:
id:23478 sub:000 dlvr:000 submit date:141208164116 done
date:141208164122 stat:DELIVRD err:DELIVRD text:
```

### XML Format:

```
<report><id:27369 sub:000 dlvr:000 submit date:141208090227 done
date:141208090233 stat:DELIVRD err:DELIVRD text:><id:27376 sub:000
dlvr:000 submit date:141208090233 done date:141208090239 stat:DELIVRD
err:DELIVRD text:><id:256164 sub:000 dlvr:000 submit date:141208154359
done date:141208154404 stat:DELIVRD err:DELIVRD text:><id:271441 sub:000
dlvr:000 submit date:141208164033 done date:141208164037 stat:DELIVRD
err:DELIVRD text:><id:296645 sub:000 dlvr:000 submit date:141208191228
done date:141208191232 stat:DELIVRD err:DELIVRD text:></report>
```

### JSON Format:

```
{
  "report": [ {
    "id": "L17595",
    "sub": "001",
    "dlvr": "001",
    "submit date": "170303115836",
    "done date": "170303115838",
    "stat": "DELIVRD",
    "err": "000"
  }
]}
```

## Reports Parameter Description:

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<b>HTTP</b>		
	id:	Message Id
	submit date	Date and Time of Submission
	done date	Date and Time of Delivery
	stat	Status
	err	Error Code
	text	Content of Text Message Sent
<b>XML</b>		
	<report>	Starting Tag
	<	Open tag of Each report
	id:	Message Id
	submit date	Date and Time of Submission
	done date	Date and Time of Delivery
	stat	Status
	err	Error Code
	text	Content of Text Message Sent
	>	Closing Tag of each report
	</report>	Ending Tag
<b>Json</b>		
	{"report":[	Starting Tag
	{"	Open tag of Each report
	id:	Message Id
	submit date	Date and Time of Submission
	done date	Date and Time of Delivery
	stat	Status
	err	Error Code
	"}	Closing Tag of each report
	]}	Ending Tag