

SMS Encapsulation (7bit-8bit data)

API HTTP POST Version 2.3.0

Introduction

With this document we would like to explain to all users how can be sent one sms through our API.

1.0.0 How to send SMS

For each SMS that the user wants to send, there are 3 important parameters that must be delivered (beyond to the mobile number of the recipient):

- Sender
- SMSType
- SMSData

1.1.0 The ID SENDER

The SENDER value can be numeric (max 16 digits) or alphanumeric (max 11 chars), if the user leave empty this parameter, it will be filled with recipient mobile number

1.2.0 SMSType Parameters

This parameter set the type of sms message sent to the gateway. Currently we are supporting the following sms messages:

SMSType Param.	Sms Format	Bit Data	Max Length	Description
Empty	ASCII	7 Bit	Max 160 chars	Standard sms text
FLH	ASCII	7 Bit	Max 160 chars	The text will appear directly on the screen
RGT	OTA	8 Bit	266 Bytes (for 1st sms)	Ringtone for NOKIA MOBILE
LGO	OTA	8 Bit	260 Bytes	Operator Logo (Nokia Mobile)
CLI	OTA	8 Bit	260 Bytes	Group Logo for (Nokia Mobile)
RTX	ASCII	8 Bit	N/A	RTTTL string (Nokia Ringtone)
BMP	HEX DUMP	8 Bit	N/A	File BMP 72x14 pixel, 2 colors for Operator Logo (Nokia Mobile)
GIF	HEX DUMP	8 Bit	N/A	File GIF 72x14 pixel, 2 colors for Operator Logo (Nokia Mobile)
UCS	UCS-2	16 Bit	280 Bytes	Sms Text in Unicode UCS-2 (max 70 chars)
UTF	UTF-8	16 Bit	N/A	Sms text in Unicode UTF-8 (max 70 chars)
PIC	OTA + ASCII	8 Bit	512 Bytes + Space + text message	Picture Message with OTA bitmap 72x28, blank space & text string (max 120 standard chars or 60 in Unicode UTF-8)
PIC	OTA Smart Message	8 Bit	N/A	Picture Message in OTA Format (see Nokia Smart Message)
PIC	BMP Hex + ASCII	8 Bit	N/A	Picture Message with BITMAP file 72x28 hex encoded, blank space & text string (max 120 standard chars or 60 in Unicode UTF-8)
SCR	OTA	8 Bit	512 Bytes	Screen Saver with OTA bitmap 72x28
SCR	OTA Smart Message	8 Bit	512 Bytes	Screen Saver in OTA Format (see Nokia Smart Message)
SCR	BMP Hex	8 Bit	N/A	Screen Saver with BITMAP file 72x28 hex encoded
WBK	ASCII	8 Bit	Max 63 Chars	Wap Bookmark for NOKIA MOBILE
WPS	ASCII	8 Bit	Max 115 Chars	Wap Push Message for Wap Browser 1.2.1

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1.3.0 SMSData Parameters

This parameter submit to the SMS gateway the SMS data sent by the user. Every SMS string data must to be encapsulated in SMSData value.

1.3.1 SMSData Encapsulation

Sms Text Standard (SMSType=Empty)
SMSData="Hello, this is a text message"

Sms Text Standard (SMSType=Empty) with Line Feed
SMSData="Hello,\this is a\text\message"
Will appear:

**Hello,
this is a
text
message**

Sms Flash (SMSType=FLH)
SMSData="Hello, this is a flash message"

OTA Ringtone (SMSType=RGT)
 SMSData="024A3A5505519585B4041E4D1EA28849B628A1084126589368494490624C41
 26E0A28C49B628B314508420A24D511824DC1265A9364000"

OTA Operator logo (SMSType=LGO) 
 SMSData="00480E0100003F0FF3F007900007FFFFFFE3FFC0C900007FFFFFF83FFF189000030
 E1E3C7FFFFFFDB40001840C1E7FFFFFF640000CDCCEFFFFFFFE4C00007D616FFFFFFFC1800003F
 E1FFFFFFF800000030FDC3FFFE3C00000703803FFCFC000003F89103FFFD0E0000047C7
 E0FE3FB1E0000083F807FC1FF0E00000ABFFFFFFD5FEA60000"

OTA Group logo (SMSType=CLI) 
 SMSData="00480E0100003F0FF3F007900007FFFFFE3FFFC0C900007FFFFF83FFF189000030
 E1E3C7FFFFFDB40001840C1E7FFFFF640000CDCCEFFFFFEE4C00007D616FFFFFC1800003F
 E1FFFFF800000030FDC3FFFE3C00000703803FFFCFC000003F89103FFFD0E0000047C7
 E0FE3FB1E0000083F807FC1FF0E00000ABFFFFFD5FEA60000"

RTTTL Ringtone (SMSType=RTX)
SMSData="A**T**e**M**:d=4,o=5,b=132:4d#6,8a#,2d#6,16p,8g#,4a#,4d#.,8p,16g,16a#,8d#6,8a#,8f6,2d#6,16p,8c#.6,16c6,16a#,8g#.,2a#"

FILE BMP Operator logo (SMSType=BMP) 
SMSData="424DE60000000000000003E0000002800000048000000E0000000100010000
0000A80000000000000000000000000000000000FF0000000000ABFFFFD5F
EA60000000000083F807FC1FF0E000000000047C7E0FE3FB1E000000000003F89103FFF
DFE000000000000703803FFFCFC00000000000030FDC3FFFE3C0000000000003FE1FFFFFF
FF80000000000007D616FFFFFFFFC180000000000CDCCEFFFFFFFE4C0000000001840C1E7FF
FFF64000000000030E1E3C7FFFCDB40000000007FFFF83FFF18900000000007FFFFFFE3FFC
0C900000000000003E0FE3E00790000000000"

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FILE GIF Operator logo (SMSType=GIF)



SMSData="47494638396148000E00800000FFFFFF00000021F90400000000002C0000000048000E00000284848FA9CB190F439B94C5DA1E907C6B0C2AD2318691D69D65687E2DA7C61E5B41E435D9707A6E33BD40B94636C765E7DBA57E40C3B0B8F2A09C3AA950958C3233229CA574BC21C545842BF88D2E995EA7D5DC33E69AD4E3D95AA666493E2E4666B6859714D821E596A105A7257317E378184891170932A5D4B837F8726742A838B3865100003B00"

Sms Text UNICODE UCS-2 (SMSType=UCS) original arabic text: ريخلا حابص

SMSData="063506280627062D002006270644062E064A0631"

Sms Text UNICODE UTF-8 (SMSType=UTF) original arabic text: ري خلا حابص

```
SMSData="#&#1589;&#1576;&#1575;&#1581;&#0032;&#1575;&#1604;&#1582;&#1610;&#1585;"
```



OTA PICTURE MESSAGE (SMSType=PIC)

SMSData= **OTA BITMAP** + **BLANK SPACE** + **TEXT MESSAGE**

[illegible]

PICTURE MESSAGE (SMSType=PIC)

SMSTData=**BMP FILE + BLANK SPACE + TEXT MESSAGE**

SMSData="424D900100000000000003E00000028000000480000001C00000001000100000
0000000000000120B0000120B00000000000000000000FFFFF0000000000000000F3F8FE
78000000000000000007FFDFFF00000000000000000003E7DE7E0000000000000000001C3DF
3C000000000000000007FFDFFE00000000000000000003FFDFFC000000000000000000003B
C0000000000000000000007BE0000000000000000000000FBF0000000000000000000000F
BF0000000000000000000007BE00
000000000000000000C080804010020101030000061C181C0D3038183860000003BE3C3
805A01C3C7DC0000003FFFFFF0C7E30FFFFFFC0000001FFFFFF3E7E7CFFFFFF80000000FFFFF
FFFFFFFFF00000007FFFFFFFFFFFFFFFE00000003FFFFFFFFFFFFFFFC00000001FFFFE3FF
C7FFFF8000000000FFFFC07E03FFFF0000000007FFFC07E03FFFE0000000001FFFC0660
3FFF800000000003FFE04207FFC00000000000003FF0000FFC000000000000000000000
0000000000000000 Hello, this is a picture with text message"

SMS Encapsulation (7bit-8bit data)



PICTURE MESSAGE (SMSType=PIC)

SMSData=NOKIA SMART MESSAGE FORMAT

[illegible]

OTA PICTURE MESSAGE (SMSType=PIC)

SMSData=OTA BITMAP + BLANK SPACE + UTF-8 (original arabic text: **يشة**)

[illegible]

PICTURE MESSAGE (SMSType=PIC)

SMSData=**BMP FILE + BLANK SPACE + UTF-8** (original arabic text: **يشة**)

SMSData="424D900100000000000003E00000028000000480000001C00000001000100000
0000000000000120B0000120B00000000000000000000FFFFF0000000000000000F3F8FE
78000000000000000007FFDFFF00000000000000000003E7DE7E0000000000000000001C3DF
3C000000000000000007FFDFFE00000000000000000003FFDFFC000000000000000000003B
C0000000000000000000007BE0000000000000000000000FBF00000000000000000000000F
BF0000000000000000000007BE000
000000000000000000C0808040100201010300000061C181C0D3038183860000003BE3C3
805A01C3C7DC0000003FFFFFF0C7E30FFFFFFC0000001FFFFFF3E7E7CFFFFFF80000000FFFFFF
FFFFFFFFF00000007FFFFFFFFFFFFFFFFFE00000003FFFFFFFFFFFFFFFFFC000000001FFFFFFE3FF
C7FFFF8000000000FFFC07E03FFF0000000007FFC07E03FFE0000000001FFFC0660
3FFF8000000000003FFE04207FFC00000000000003FF0000FFC000000000000000000000
000000000000000000 ة:ش:ى:"

SMS Encapsulation (7bit-8bit data)



OTA SCREEN SAVER (SMSType=SCR)

SMSData=OTA BITMAP

[illegible]

SCREEN SAVER (SMSType=SCR)

SMSData=BMP FILE

SMSData="424D900100000000000003E00000028000000480000001C00000001000100000
0000000000000120B0000120B00000000000000000000FFFFF00000000000000000F3F8FE
780000000000000000007FFDFFF000000000000000000003E7DE7E0000000000000000001C3DF
3C00000000000000000007FFDFFE0000000000000000000003FFDFFC000000000000000000003B
C00000000000000000000000007BE000000000000000000000000000FBF00000000000000000000F
BF00000000000000000000000007BE000
00000000000000000000C080804010020101030000061C181C0D3038183860000003BE3C3
805A01C3C7DC0000003FFFFFF0C7E30FFFFFFC0000001FFFFFF3E7E7CFFFFFF80000000FFFFFF
FFFFFFFFF00000007FFFFFFFFFFFFFFFE00000003FFFFFFFFFFFFFFFC000000001FFFFE3FF
C7FFFF800000000000FFFC07E03FFFF00000000007FFFC07E03FFE00000000001FFFC0660
3FFF8000000000003FFE04207FFC000000000000003FF0000FFC000000000000000000000
000000000000000000"



SCREEN SAVER (SMSType= SCR)

SMSData=NOKIA SMART MESSAGE FORMAT

[illegible]

Wap Bookmark (SMSType=WBK)

SMSData=WAP URL + BLANK SPACE + TEXT

```
SMSData="wap.yahoo.com Yahoo Wap Site!"
```

Wap Push (SMSType=WPS)

SMSData=WAP URL + BLANK SPACE + TEXT

```
SMSData="wap.xxxx.com / a.asp?id=123 Sport News! Download now!"
```