Commandes Hayes

To be able to send SMS text messages, the Enfora Enabler-G module must be initialized with the proper SMS mode. The following examples provide the AT commands and responses for initializing the SMS mode.

5) The following command initializes the Enfora Enabler-G module by setting the text mode parameters.

AT+CSMP=17,167,0,0 Set text mode parameters:

AT+CSMP=<fo>,<vp>,<pid>,<dcs>

<fo>=17 Sets reply pat, user data header, status report request, validity period format, reject duplicates and message type.

<vp>=167 Sets validity period.

<pid>=0 Higher layer protocol indicator.

<dcs>=0 Information encode format.

OK Modem Response.

6). After initializing the module with the proper SMS mode, query the module for the correct service center. The service center is required fro proper routing of an SMS through the network. The service center is programmed into the SIM by the network service provider. The following command queries the service center.

AT+CSCA? Query service center.

+CSCA:"+12 063 130 004" Modem Response. (VoiceStream – USA)

7). If no service center is entered, then contact your service provider for correct service center. To enter the correct service center, enter the following command:

AT+CSCA="+12 063 130 004" Sets the service center. (VoiceStream – USA)

OK Modem Response.

8). The following command selects TEXT mode for SMS messages.

AT+CMGF=1 Set message format to TEXT mode.

OK Modem Response.

9). The following command sets the indicators for receiving an SMS message.

AT+CNMI=1,1,0,0,0 Set the new message indicators.

AT+CNMI=<mode>,<mt>,<bm>,<ds>,<bfr>

<mode>=1 discard unsolicited result codes indication when TA – TE link is reserved.

<mt>=1 SMS-DELIVERs are delivered to the SIM and routed using unsolicited code.

<bm>=0 no CBM indications are routed to the TE.

<ds>=0 no SMS-STATUS-REPORTs are routed.

<bfr>=0 TA buffer of unsolicited result codes defined within this command is flushed to the TE.

OK Modem Response.

10). The following command saves the SMS settings. Once the SMS commands have been saved, the initialization commands do not need to be sent again until they are changed.

AT+CSAS Save SMS settings. This may take up to 10 seconds.

OK Modem Response.

11) For more advanced SMS options, see the **GSM0107AT001 – Enfora Enabler IIG AT Command Set** for the following AT commands:

AT+CSCS Character set.

AT+CSMS Select message service.

AT+CPMS Preferred storage.

AT+CSDH Show text mode parameters.

12) . After the Enfora Enabler-G module has been initialized, the following commands demonstrate the transmission of an SMS message to a GSM mobile number.

AT+CMGS="12 017 572 673" Send a message to the telephone number.

> Ready to enter a message.

This is a test message^Z Enter the text message. End the message with Control Z.

+CMGS: 1 Successful transmission. The number will increment with each SMS sent.

OK Modem Response.

13) . For an incoming SMS with the above initialization settings, the following indication will be displayed over the serial port:

+CMTI:"SM",1 Incoming message indication stored in message location 1.

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14). To read the above message, enter the following:

AT+CMGR=1 Read SMS message in SIM location 1.

+CMGR: **1,"REC** **READ","12 145 551 212",,"02/08/01,14:24:41+08", 145,4,0,0,"12 063 130 004",145,5**

This is a test message

OK Modem response. See **GSM0107AT001 – Enfora Enabler IIG AT Command Set** for parameter details.

15) To store an SMS message on the SIM for later retrieval, enter the following:

AT+CMGW="12 017 572 673" Store a message on the SIM.

> Ready to enter a message.

This is a stored message^Z Enter the text message. End the message with Control Z.

+**CMGW: 2** Successfully stored in memory location 2.

OK Modem Response.

16). To send a message previously stored on the SIM, enter the following:

AT+CMSS=2 Send message from memory location 2.

+**CMSS:2** Successful transmission. The number will increment with each SMS sent.

OK Modem Response.

17) To list all of the messages stored on the SIM, enter the following:

AT+CMGL="ALL" List messages on the SIM.

+**CMGL: 1,"REC UNREAD","12 145 551 212",,"02/08/01,14:24:41+08",145,5 This is a test message**

+**CMGL: 2,"STO SENT","17 192 326 602",,,129,22**

This is a stored message

OK Modem response. See *Enfora Enabler IIG AT Command Set* for parameter details.

18). The following command deletes a message from the SIM location specified.

AT+CMGD=1 Delete SMS message in SIM location 1.

OK Modem response upon successful delete.

<center>(https://www.activexperts.com/sms-component/at/commands/?at=%2BCMTI)</center>