

**Application Note:
GSM0000AN016**

How to Send an SMS Message to an E-Mail Address

Revision 1.00

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Objective: The intent of this document is to provide information that will allow a user to send an SMS message to an e-mail account. Application note ***GSM0000AN004 - Enabler-G SMS Configuration and Use*** provides basic SMS operation information. Please refer to the Enfora ***GSM0107AT001 – Enfora Enabler IIG AT Command Set*** and GSM 7.05 for more advanced SMS applications.

Equipment Needed:

In this example the requirements are:

- An Enfora, Inc. Enabler®-G Modem loaded with firmware version 1.4.0 or above is required.
- A notebook or desktop computer with any version of Microsoft Windows that has HyperTerminal. If this hardware is not available, the user could use a DOS terminal emulation program or DUMB ASCII terminal.

Procedures:

1. Start **HyperTerminal** and create a new session with the following settings:

| | |
|-------------------|--|
| Connection Name = | Enabler-G SMS-Email Test |
| Connect Using = | Direct connect to COMx , COMx is the communications port that the Enfora, Inc. Enabler-G Modem is physically attached to. |
| Bits Per Second = | 115200 |
| Flow control = | None |

2. Type **AT** and press **<ENTER>** the modem should respond with **OK**. This will verify that you are communicating with the modem. If you cannot see characters entered on the screen, enter **ATE1V1**.
3. The following examples provide the AT commands and responses for setting modem parameters. For more information about the commands and response codes, see the ***GSM0107AT001 – Enfora Enabler IIG AT Command Set***.
4. Please refer to **Application Note GSM0000AN005 - Enabler-G Automated Network Connection Configuration and Use**, to set the appropriate network connection.
5. To be able to send SMS text messages, the Enfora Enabler-G module must be initialized with the proper SMS mode. Please review application note ***GSM0000AN004 - Enabler-G SMS Configuration and Use*** for the proper settings.

6. The following provides the format to be used in sending an SMS to an e-mail address. The example uses the US T-Mobile SMS/mail gateway number.

AT+CMGS="500"

Set the SMS/mail gateway number

> user@domain.com Test message^Z

Ready to enter a message.

Enter the desired e-mail address followed by a space then a text message. End the message with Control Z.

+CMGS: 1

Successful transmission. The number will increment with each SMS sent.

OK

Modem Response.

7. The following gateway numbers can be used for the specified carriers in the US:

| | |
|----------|-------------|
| T-Mobile | 500 |
| AT&T | 0000 |
| Cingular | +121 |

Revision History

| Date | Rev | Author | Description |
|---------|------|-------------|------------------|
| 5/15/03 | 1.00 | Matt Glover | Initial Release. |