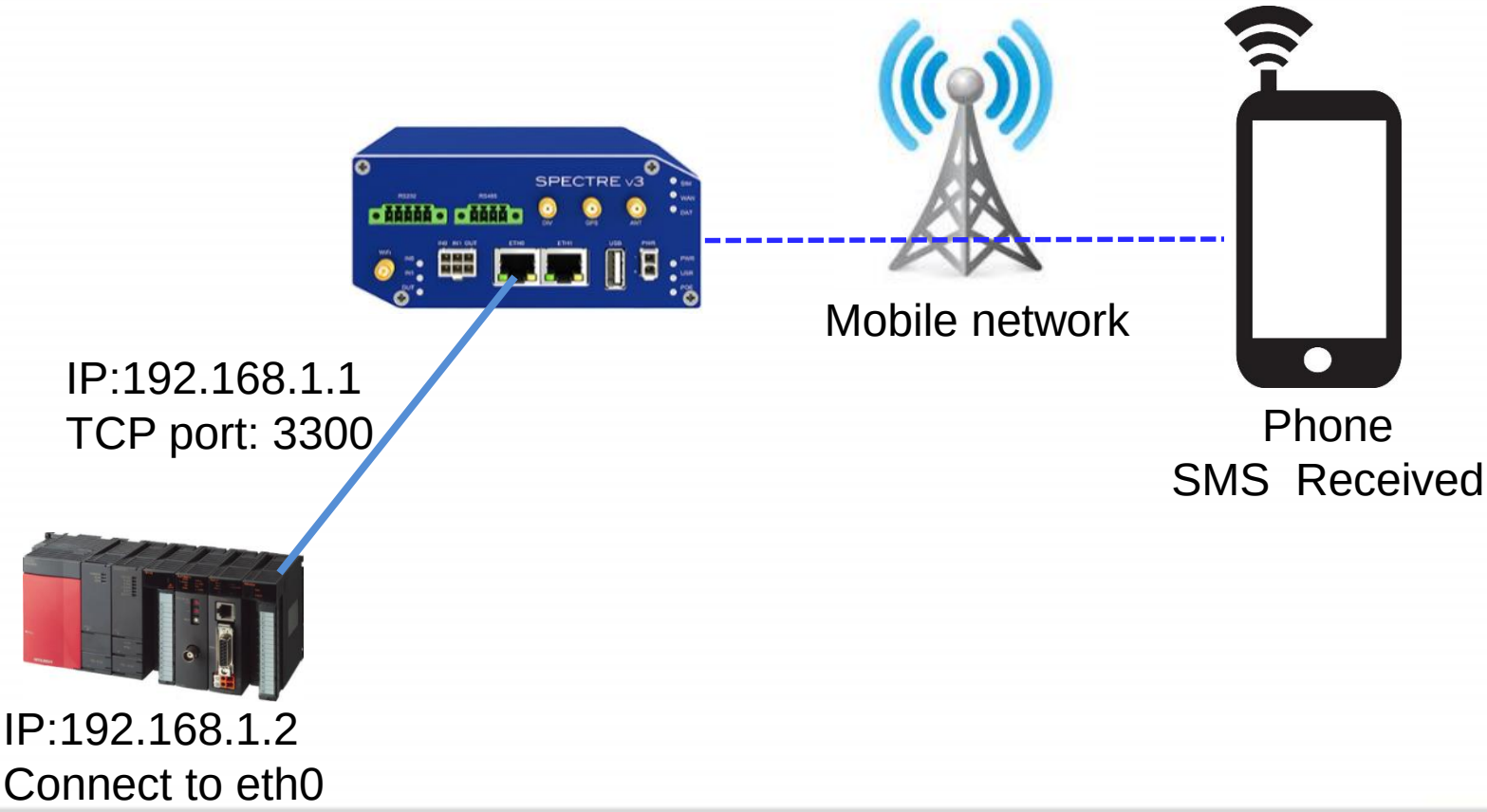
SOP Sending SMS by AT command over TCP

Send SMS by using AT command over TCP

Scenario:

- Use PLC to send out AT command to Router and it will send out SMS message to your cell phone.



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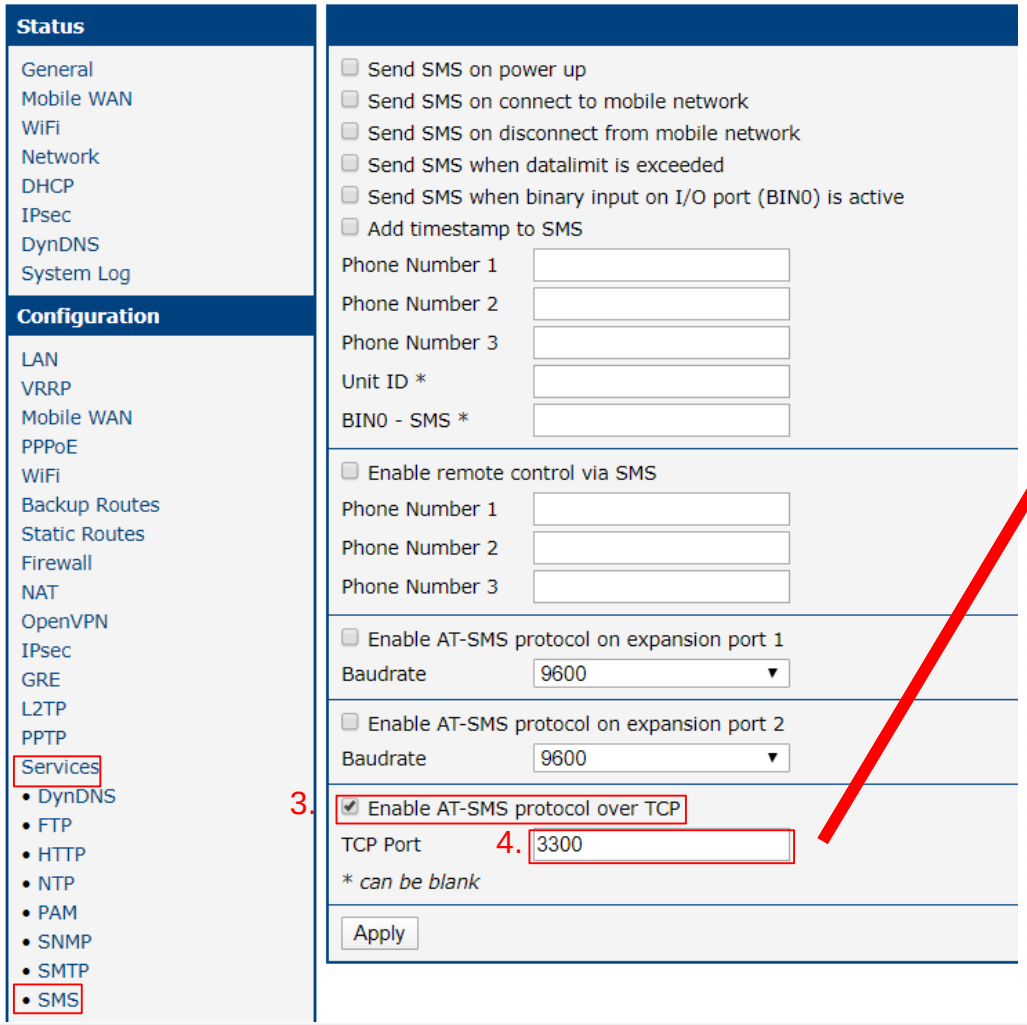
Configuration on router



- Create a random port for this service.
- Avoid setting a existing port number.

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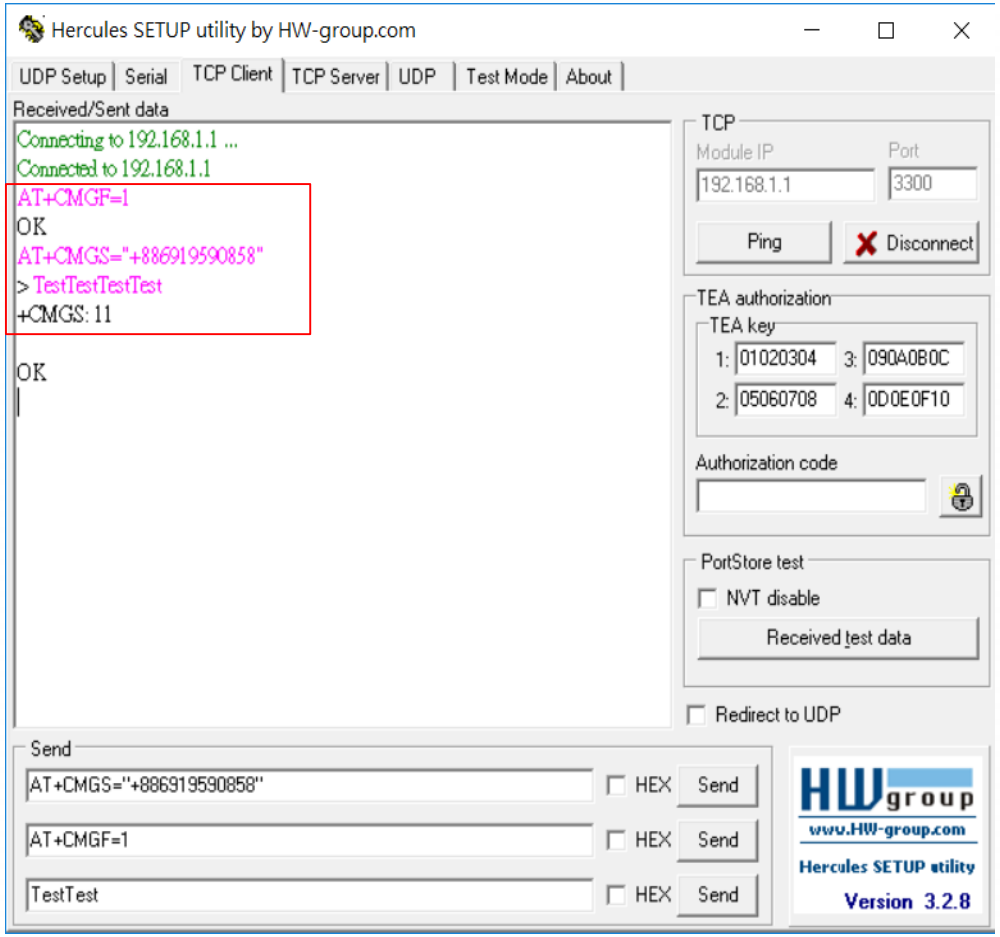
Tool and Command introduction



Tool:

- Hercules is a free TCP tool to simulate as PLC

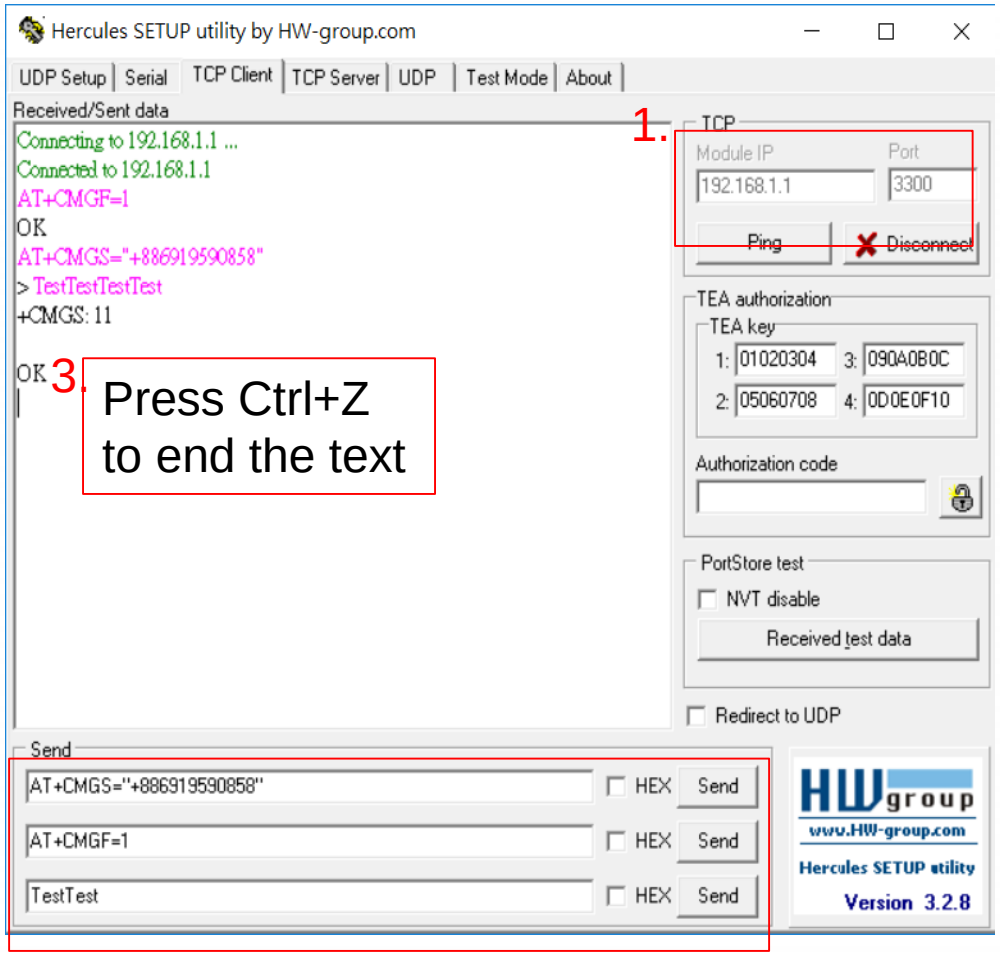
Command:

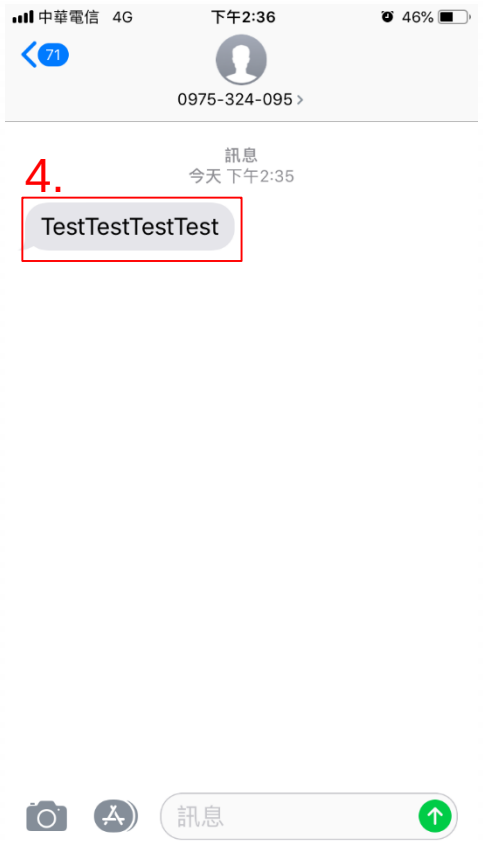
1. AT+CMGF = 1
   Sets the presentation format of messages. 0 for PDU mode. 1 for text mode.
2. AT+CMGS = “phone number”
   National code should be added. After arrow shows up, type the context.

Note: PDU mode is to command with bit stream.

Send SMS by using AT command over TCP

- Hercules is a free TCP tool. It can help us to send AT command and receive the feedback from router. In this case, using PC with Hercules installed to simulate as PLC





1. Connect to router with the port you set on router.
2. Send the AT command.
3. Press Ctrl+Z to end the text and transmit AT command to router.
4. SMS is received on your mobile phone.