

Manipulating the DTMF Status Table

The C Plus allows the user to define how received DTMF status messages are displayed. As an example, the user arrives at the job site and presses DTMF button 1. The C Plus will display **AT SITE**. This feature can be combined with another ANI protocol like MDC-1200® and you will have PTT ID and Status reporting.

The status table is also used to assign OUT1/OUT2 activation to particular DTMF Status messages and assign message priorities and sounder characteristics.

Editing the Status Table:

The C Plus has a default status table programmed into it at the factory. This table can be retrieved, edited and reloaded. Editing is accomplished using a text editor like Notepad or Wordpad. After constructing the table, a last line that only contains a dollar sign (\$) must be added. This is the end of file designator and must be present. Retrieval and reloading is accomplished in program mode with a terminal emulator like Hyperterm. Table entries are defined as follows:

N,C,SSSSSSSS,B,O

Where:

- N Single digit number that was received as the status character. This number is removed from the ID and is not displayed.
- C Single character abbreviated status (used in the C Plus III scrolling display). This is equivalent to the "S" in the C Plus Message table
- S Eight character status. This is equivalent to the "M" in the C Plus Message table.
- B Audible alert selection. Messages with B = 2 through 5 are classified as critical statuses. See "Editing the Message Table" for further information.
- O Assigns an open collector output to function when the status is received.
 - 0 none
 - 1 Out1 becomes active for 2 seconds
 - 2 Out2 becomes active for 2 seconds

Retrieving a Status Table from the C Plus:

In the C Plus personality programming, select "*Select Format Type*" then select "*DTMF*", "*Status Reporting*" and then "*Edit Status Table*", "*Receive a table from the C Plus*". The C Plus will prompt you to open the file that will capture the output to the terminal emulator. At this point, on the Hyperterm menu bar, select *Transfer* and then *Capture Text*. A window opens to allow you to enter the path and name of the file you will capture text to. This should normally be *a:status.txt*. Be sure to have a disk in drive a:. Press *Start*. You will be brought back to Hyperterm. Press "y" to begin the download. When completed, again go to *Transfer – Capture Text* and then select *Stop*. You will be brought back to Hyperterm. Press "\" to return to the programming menu. Press "\" again to get to the main menu. Selection "7" returns the C Plus to normal operation.

After retrieval, the a: drive will have a text file titled "status.txt". This is the table from the C Plus. Using a text editor, make the desired changes.

Reloading the Status table:

Once the table has been edited, it needs to be reloaded back into the C Plus. In the C Plus personality programming, select "Select Format Type" then select "DTMF", "Status Reporting" and then, "Edit Status Table", "Send a table to the C Plus". Press "y" to continue or "\ " to abort. Wait about 5 seconds and the C Plus prompts "Please send the Status table now".

On the Hyperterm Menu bar, select *Transfer* and then *Send Text File*. A window opens to allow you to locate and designate the file to send. Using standard windows convention, find and select the previously created file and then press Open. The file will begin to be loaded into the C Plus.

When completed, the C Plus will report "Status Table built. Press \ to continue." Continue pressing "\ " until you arrive back at the main menu. There, selection "7" returns the C Plus to normal operation.

Defining a PTT ANI

In the message table, any message that has the "S" field (see above) all spaces will be reported as a PTT ANI when in Cimarron Standard or Cimarron Classic Serial output format. Computer and console serial interface outputs (like Bed 31/1207, CML, and Cimarron Multichannel) report the actual status character received in DTMF signaling.

Priority assignments:

The "Beep" field of the Status table assigns the type of audible alert that sounds when the status is received.

Additional Information:

Refer to the C Plus manual, Chapter 3 "Programming" for standard Status table assignments.

See Also:

Manual DTMF Status Reporting

Communicating with the C Plus using Hyperterm

External Alarm Activation