

Formatting the C25 Displays

The C25 offers the ability to uniquely define the data being presented on its displays. This is accomplished with the \$\$FORMAT command.

Available Variables

- Source (SRC) [#SRC = HEX, &SRC = DEC]
- Destination (DEST) [#DEST = HEX, &DEST = DEC]
- Talk Group (TGID) [#TGID = HEX, &TGID = DEC]
- Mfgr ID (MFID)
- Emergency flag (EM)
- Low speed data (LSD)
- Network Access Code (NAC) [#NAC = HEX, &NAC = DEC]
- Data (DATA) (in MDC, bits 16-31 each packet) (in F/S, fields FMT and MSG)
- Status Symbol (SS)
- Trunking Sig Block (TSBK)
- Date (DATE)
- Time (TIME)
- Alias (-a)
- Message (MSG)
- Message Abbreviation (M)
- Assignment (-A)
- Channel (CHAN)
- Signaling type (F, M, or P) (SIG)

If you specify SRC or DEST using \$\$FORMAT command and the received message is FleetSync, then the ID presented will be fleet ID plus Unit ID fff-uuuu. FleetSync™ ID's are always presented in decimal format regardless of the prefix (# or &) used.

If you desire the related alias or assignment information to be displayed for a received ID, add the suffix -a (for alias) or -A (for assignment) to the variable name.

C25 Main Display

The main display is capable of displaying, alternately, up to four variables. If more than one label-variable combination is specified, each combination will be displayed for two seconds.

C25 Secondary Display

The C25 III has a secondary display (D2) consists of 28 characters. All 28 characters can be used when formulating the D2 format command. There are no automatic delimiters between variables, so if you desire the data to be separated by commas or spaces, you will need to specify this using "label" fields. Do not exceed a total of 28 characters consumed in executing your \$\$FORMAT directive or an overflow indication will result (e!).

Creating a \$\$FORMAT directive

Use a text editor like "Notepad" to create the \$\$FORMAT string in advance and save the string to the computer. The syntax of \$\$FORMAT commands for the two available displays (one only on the C25-II) is as follows:

```
$$FORMAT,D1,"label",VARIABLE,"label",VARIABLE,"label",VARIABLE$
```

\$\$FORMAT,D2,"label",VARIABLE,"label",VARIABLE,"label",VARIABLE\$

Spaces are not permitted in the \$\$FORMAT command unless they are within the quotes as part of labels or delimiters. Format command strings end with a \$ to indicate the end of the string.

Where D1 is the eight character main display and D2 is the 28 secondary display.

Labels are optional and can be placed before and/or after any variable. Labels can also be used to separate variables for easy reading (like dashes or spaces or commas).

Any "label"-variable-"label" combination specified to be displayed on D1 must not consume more than 8 characters, otherwise an overflow indication will result (e!). If more than one variable is requested for D1 the values will alternate between displaying each requested variable in the \$\$FORMAT command. Each value will be presented for 2 seconds and will repeat until replaced by values of another transmission or the clear button is pressed. Up to four variables can be designated for D1 alternating display.

Loading a \$\$FORMAT directive into the C25

Place the C25 into normal operate mode and connect it to your computer running Hyperterm. On the Hyperterm Menu bar, select *Transfer* and then *Send Text File*. A window opens to allow you to locate and designate the previously saved file. Using standard windows convention, find and select the file and then press Open. The file will load into the C25.

Retrieving a previously loaded \$\$FORMAT directive from the C25

If you wish to retrieve a previously entered \$\$FORMAT command string, use the following command:

\$\$FORMAT,xx?

Where xx is the target display definition you desire to retrieve (D1, D2).

Selecting the Formatted display

After defining the formatted display, enter program mode and select **(1) Program the C25 Personality**, then **(3) Select Display Type**, and then **(4) Formatted**. If you selected the formatted type of display in a C25 III, you must define the format for both Main display D1 and secondary display D2.

Examples

\$\$FORMAT,D1,"ID= "&SRC,SRC-a,"NAC",#NAC\$

This example would provide alternating C25 main display of the received ID, the alias of the received ID and the NAC. The information would be presented for 2 seconds each and then repeat. It would look like this:

```
ID= 2582
CHIEF
NAC: 293
```

\$\$FORMAT,D2,"CHANNEL "CHAN," TIME: "TIME\$

Would provide the following secondary display:

```
CHANNEL 56   TIME: 12:23:56
```