

D3 Packet Standards

Aux Comm Packet Committee

08-27-2016

1 Purpose

This packet radio standard is provided to establish an emergency communications network based on packet radio and should insure that all EOCs operating packet stations are consistent in the setup and operation of their packet stations.

2 Scope

- 2.1 **In order to insure that each Emergency Operations Center (EOC) packet station within the district can communicate with other stations in an emergency, this standard delineates the proper settings for the Kantronics KPC3+ TNCs used at EOCs and should be considered mandatory.**
- 2.2 **It is also intended to be a guide for personal stations that wish to network within the district in normal conditions. And while legacy stations within the district may operate with different settings, it is recommended that new packet stations accept these settings to 'plug and play' within the district.**

3 Settings

Use these settings for Kantronics TNCs or modify similar settings for other TNCs.

| | Command | Setting | Notes |
|--------------------------|-----------|----------|---|
| | | | Existing TNC Restore/Reset |
| <input type="checkbox"/> | RESTORE | DEFAULTS | Do this command first. It will RESET defaults. Then continue with other settings. Will cause auto baud routine. Press * when prompted. Enter Callsign. |
| <input type="checkbox"/> | INTERFACE | TERMINAL | Take TNC out of NewUser mode and gives full command set. |

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| | Command | Setting | Notes |
|--------------------------|----------------|---------------------|--|
| | | | BASIC TNC MODE SETTINGS |
| <input type="checkbox"/> | DIGIPEAT | ON | Enable Digipeating |
| <input type="checkbox"/> | MAXUSERS | 2 or 3 | Number of allowed users at the same time. Will cause a soft reset. |
| <input type="checkbox"/> | NUMNODES | 2 or 3 | Number of allowed node users. Will cause a soft reset. |
| | | | IDENTIFICATION SETTINGS |
| <input type="checkbox"/> | BEACON | EVERY 120 | Sets frequency of self identification for recognition within the network. No more frequently than 120, no more than 3 digipeaters in the path. |
| <input type="checkbox"/> | BTEXT | Your Option | The text that accompanies the BEACON. Should identify the County ARES/RACES Packet Station. |
| <input type="checkbox"/> | CTEXT | Your Option | Text sent to stations when they connect to MYCALL. |
| <input type="checkbox"/> | CMSG | PBBS | For remote, unattended stations set to PBBS. |
| <input type="checkbox"/> | HID | ON | To send FCC legal ID when using tactical calls. |
| <input type="checkbox"/> | HTEXT | MI.USA.NOAM | Hierarchical test. Identifies region of the world the stations is located in. Required for auto message forwarding to properly forward messages. |
| <input type="checkbox"/> | MYALIAS | FCC Call Suffix | Used for digipeating. EX: K8BZ would use BZ |
| <input type="checkbox"/> | MYCALL | FCC Callsign | Use FCC Callsign of Packet station. EX: K8BZ would use K8BZ |
| <input type="checkbox"/> | MYNODE | Callsign-4 | Address used with connecting to Node. EX: WB8FYR-4 |
| <input type="checkbox"/> | MYPBBS | Callsign-3 | Address used when connecting to Bulletin Board. EX: WB8FYR-3 |
| <input type="checkbox"/> | NTEXT | Your Option | Message sent when connecting to MYNODE. |
| <input type="checkbox"/> | MYREMOTE | Callsign-2 | Address to connect remotely for use by the SYSOP |
| <input type="checkbox"/> | RTEXT | Your Option | Remote SYSOP access password or words, case sensitive, including spaces. |
| <input type="checkbox"/> | UNPROTO | CQ V DIGI,DIGI,DIGI | Unproto packet path. Digis are optional but if used no more than 3. |
| | | | PBBS SETTINGS |
| <input type="checkbox"/> | PBFORWARD | NONE | Disables auto forwarding. |
| <input type="checkbox"/> | PBHEADER | ON | Saves routing information on auto forwarded messages. |
| <input type="checkbox"/> | PHHOLD | OFF | Removes requirement for SYSOP to release messages to be read by others. |
| <input type="checkbox"/> | PBMAIL | ON | Enables "You have mail" message when operator connects to BBS. |
| <input type="checkbox"/> | PBPERSON | OFF | Enables messages for any call. |
| <input type="checkbox"/> | PBSIZE | 0 | Zero removes limit on message limits. |
| <input type="checkbox"/> | PTEXT | Your Option | Bulletin Board sign on message. |