

VARA Protocol Native TNC Commands

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1.0 Purpose:

This document provides detailed information on Native (plain text) commands for the VARA protocol. The commands are sent using a TCPIP interface, typically, the 8300 port. The data flux is sent by the 8301 port.

2.0 VARA Commands:

ABORT<cr>

Immediately aborts an ARQ Connection (dirty disconnect)

CONNECT Source Destination<cr>

Connect with the Destination callsign

DISCONNECT<cr>

Start normal disconnect sequence

LISTEN ON<cr>

Enables server's response to an ARQ connect request to any of MYCALL call signs. Default = ON. May be used to block connect requests during scanning or periods when server is offline or in the process of changing frequency.

LISTEN OFF<cr>

Disables server's response to an ARQ connect request to any of MYCALL call signs. Default = ON. May be used to block connect requests during scanning or periods when server is offline or in the process of changing frequency.

MYCALL Call1 Call2 Call3 Call4 Call5<cr>

Set current call sign (maximum 5 call signs). If not a valid call generates a WRONG. Legitimate call signs include from 3 to 7 ASCII characters (A-Z, 0-9) followed by an optional "-" and an SSID of -1 to -15.

4.0 VARA Responses

BUFFER Bytes<cr>

Reports number of bytes in transmit buffer queue. Sent when VARA adds data to queue or VARA removes acked bytes from queue

BUSY OFF<cr>

Free channel

BUSY ON<cr>

Busy channel

CANCELPENDING Call<cr>

Indicates to the host that the prior PENDING Connect Request was not to MYCALL. This allows the Host to resume scanning. Command may include a Call when request is decoded but is for another station.

CONNECTED Source Destination<cr>

Reports the Source station is connected

DISCONNECTED<cr>

Session closed by either end

PENDING<cr>

Indicates to the host application a Connect Request has been detected (may not necessarily be to MYCALL call signs). This provides an early warning to the host that a connection may be in process so it can hold any scanning activity.

PTT OFF<cr>

Order for switching PTT OFF

PTT ON<cr>

Order for switching PTT ON

OK<cr>

Response to a received command

WRONG<cr>

Wrong command