

VARA Protocol Native TNC Commands

These commands are sent using a TCP/IP interface through the 8300 port (by default). And the data stream is sent through the 8301 port (by default).

APPLICATION→VARA

CONNECT Source Destination<cr>

CONNECT Source Destination via Digi1 Digi2<cr> (VARA FM through Digipeaters)

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.

DISCONNECT<cr>

Disconnect the communication

ABORT<cr>

Immediately aborts an ARQ Connection (dirty disconnect)

PUBLIC ON<cr>

The Information can be monitored. Amateur use.

PUBLIC OFF<cr>

The transmitted information is private. Commercial use.

BW500<cr> (VARA HF only)

Set VARA HF to 500Hz Narrow mode

BW2300<cr> (VARA HF only)

Set VARA HF to 2300Hz Standard mode

BW2750<cr> (VARA HF only)

Set VARA HF to 2750Hz Tactical mode

VARA→APPLICATION

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

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.

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>

CONNECTED Source Destination via Digi1 Digi2<cr> (VARA FM through Digipeaters)

DISCONNECTED<cr>

Session closed by either end

PTT OFF<cr>

Order for switching PTT OFF

PTT ON<cr>

Order for switching PTT ON

IAMALIVE<cr>

Sent every 60 seconds

REGISTERED Call<cr>

Call sign registered in VARA

OK<cr>

Response to a received command

WRONG<cr>

Wrong command

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