

VARA Protocol Native TNC Commands

These commands are sent using the 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> (VARA HF and (VARA SAT)

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

CQFRAME Source BW<cr> (VARA HF)

CQFRAME Source<cr> (VARA SAT)

CQFRAME Source Digi1 Digi2 <cr> (VARA FM)

Send a CQ frame. Useful for type chat apps.

LISTEN CQ<cr>

VARA is ready to decode incoming CQ Frames. Also the app will receive the S/N command in each received frame. Useful for type chat apps only.

LISTEN ON<cr>

Incomming connections enabled

LISTEN OFF<cr> (by default)

Incomming connections disabled

MYCALL Call1 Call2 Call3 Call4 Call5<cr>

Set current call sign (maximum 5 call signs). 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, -T, and -R.

DISCONNECT<cr>

Disconnect the link, once the TX buffer is empty.

ABORT<cr>

Disconnect the link immediately. (dirty disconnect)

COMPRESSION OFF<cr>

Compression disabled

COMPRESSION TEXT<cr> (by default)

Huffman compression enabled, designed for type text information.

COMPRESSION FILES<cr>

Compression designed for File transfers

BW500<cr> (VARA HF)

Set VARA HF to 500Hz Narrow mode

BW2300<cr> (VARA HF) (by default)

Set VARA HF to 2300Hz Standard mode

BW2750<cr> (VARA HF)

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. This provides an early warning to the host that a connection may be in process so it can hold any scanning activity.

CANCELPENDING<cr>

Indicates to the host that Connect Request could not be completed. This allows the Host to resume scanning.

CONNECTED Source Destination<cr> (VARA HF and VARA SAT)

CONNECTED Source Destination BW<cr> (VARA FM direct connection)

CONNECTED Source Destination via Digi1 Digi2 BW<cr> (VARA FM through Digipeaters)
BW in "NARROW" or "WIDE"

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

LINK REGISTERED<cr>
The client station is registered in VARA

LINK UNREGISTERED<cr>
The client station is not registered in VARA

CQFRAME Source BW<cr> (VARA HF)
CQFRAME Source<cr> (VARA SAT)
CQFRAME Source Digi1 Digi2 <cr> (VARA FM)
A CQ frame have been decoded. Useful for type chat apps.

SN value<cr>
S/N of the received frame. This command is sent only if the LISTEN CQ command was sent.
(Useful for type chat apps only).

OK<cr>
Response to a received command

WRONG<cr>
Wrong command

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December, 6th 2021