

ARES EPA Fall SET

Using The TPRFN Network

All Mode Multiple Frequency RF Drill

How to send your message by mode.

Message addressing

Packet Radio = SB SET@EPA

Winlink = tprfn@winlink.org & Cc = w2afe@winlink.org.

APRS = Send message to ANSRVR (enter) Message Format CQ TRRFN your message text (enter)

Available Modes & Frequencies:

VARAFM = 145.670 simplex

VARAHF = 9AM to 10PM 40M (Dial) 7.103.2, BW500, 1500 spacing USB

10PM to 9AM 80M (Dial) 3.596, BW500, 1500 spacing USB

ARDOP HF = 9AM to 10PM 40M (Dial) 7.103.2, BW500, 1500 spacing USB

10PM to 9AM 80M (Dial) 3.596, BW500, 1500 spacing USB USB

AX.25 Packet BBS (both 1200 & 300) 145.070

(300bd HF follows the HF frequencies and times as VARAHF above)

Packet Radio

Connection using 1200bd AX.25 on 145.070

Connect to N3MEL-2 if you can not connect direct then connect to the W3DRA-7 KA Node once connected type "C N3MEL-2" at command prompt if you are a new user you will be asked some questions, up to you if you want to register on the board or just enter pass them.

Once you are back to the command prompt address your message as follows:

Address = SB SET@EPA (enter)

Subject = Fall EPA SET Drill

For Message text use the Packet Radio ISC-213 Form online fill in here:

<https://vden.org/pktnet/ics213.html>

Once you fill out the form in the comment section please add what mode and frequency you are using for your packet connection.

Once form is complete click the "Generate/Save as Text" lower left.

The copy/paste window will open with your completed form in it. Click the "Copy Text" button center bottom.

Now connect to the BBS with your terminal program and start a new bulletin message as shown above, when the BBS prompts you for the message text PASTE your form date in the send window and send.

On a BLANK line under your message text enter the following command to save and send your message

/EX (enter)

At command prompt type B or Bye (enter) to disconnect.

Winlink

Using Winlink Express open a new message

Open Select Templet, Standard Forms

Select either the ICS-213 or the ARC-213 form. Fill out as shown in example #1

Address your Winlink Message to tprfn@winlink.org & Cc w2afe@winlink.org

(Select Request Ack if you would like but not required).

Post To Outbox.

Winlink Sessions for sending your message to the TPRFN/N3MEL Post Office

AX-25: Packet: Select Packet Winlink, enter N3MEL-11 & add W3DRA-10 in the digi box (Start)

VARA HF: Select VARA HF Winlink, Connect to N3MEL-11 on 40M Center Freq 7.104.7 Dial 7.103.2 USB (Start) 80M Center Freq 3.597.5 Dial 3.596 (USB)

VARA FM: Select VARA FM Winlink, Connect to N3MEL-11 on 145.670 if you need to use a digi they are listed below

W3EOC-3 (Roxborough)

W3EOC-4 (CCAR EOC West Chester)

W3EOC-6 (Charlestown)

K3FZT-4 (Mt Airy)

(You can use any two in combination if you need to, to connect to N3MEL-11)

AREDN/Winlink

Winlink TELNET POST OFFICE Server Settings: n3mel-rms.local.mesh:8775

Send your message as described in the **Winlink** section above.

APRS

This should be an RF message only using VHF 144.390. Send message to ANSRVR, message text format is CQ TPRFN Name, Town, County (send)

Drill Purpose

This drill is to test for a Grid Down situations after an event in the region, ARES Members should take some time to set up and test with the TPRFN prior to the SET.

What is the TPRFN Network

The TPRFN Network is Packet Radio Full-time Forwarding Network that was started 3 years ago. For more information on this network please visit the website at:

<http://tprfn.net>

WINDOWS SOFTWARE:

UZ7HO Easyterm Packet Radio Terminal download here:

<http://uz7.ho.ua/apps/easyterm49.zip>

UZ7HO Soundmodem for both 1200 bd or 300 bd HF download here:

http://uz7.ho.ua/modem_beta/soundmodem114.zip

WINLINK Express download here:

https://downloads.winlink.org/User%20Programs/Winlink_Express_install_1-7-24-0.zip

APRS lots of option here, I will leave this one up to the user.

Google APRS software if needed.

Helpful video's here: