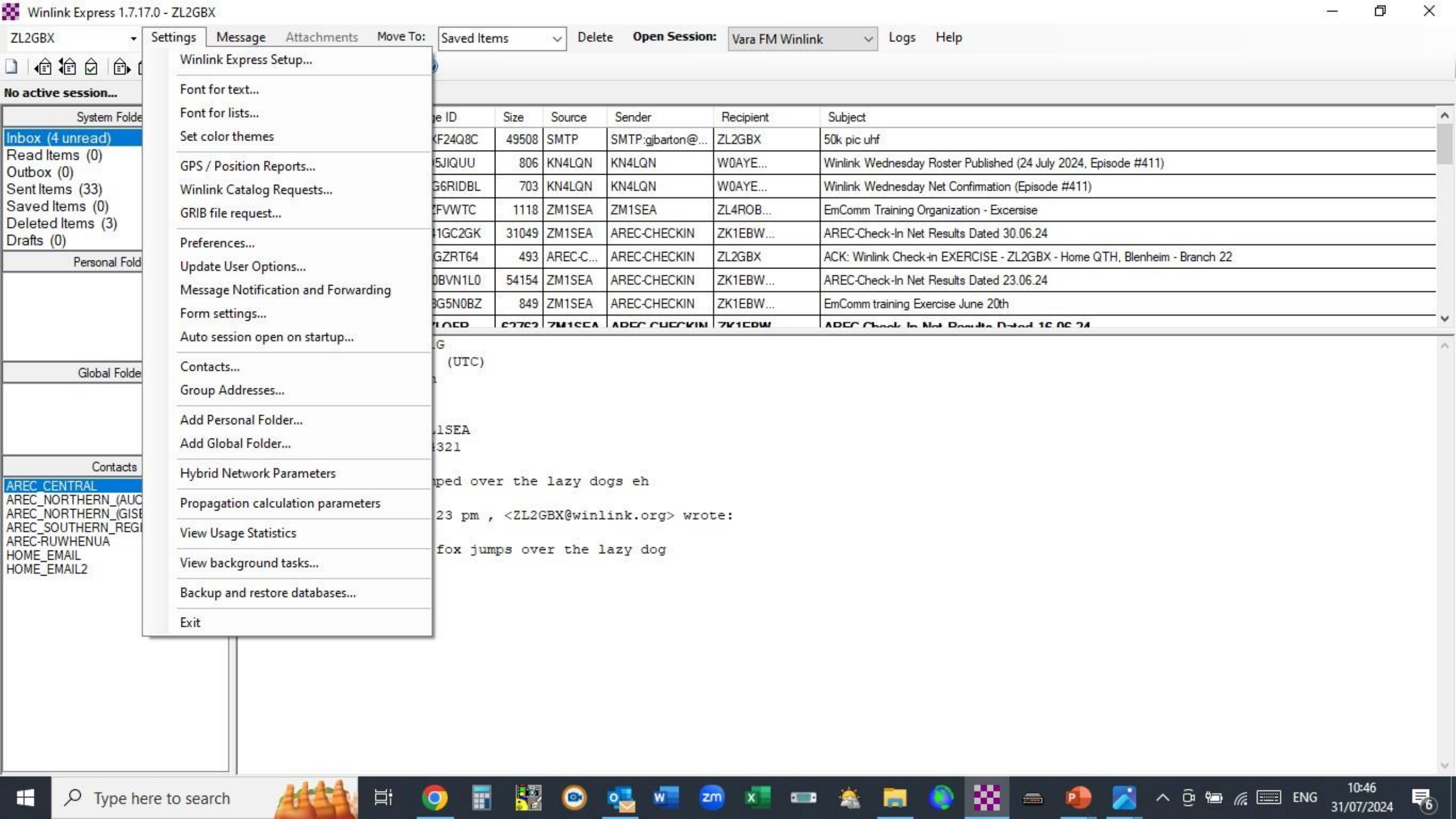
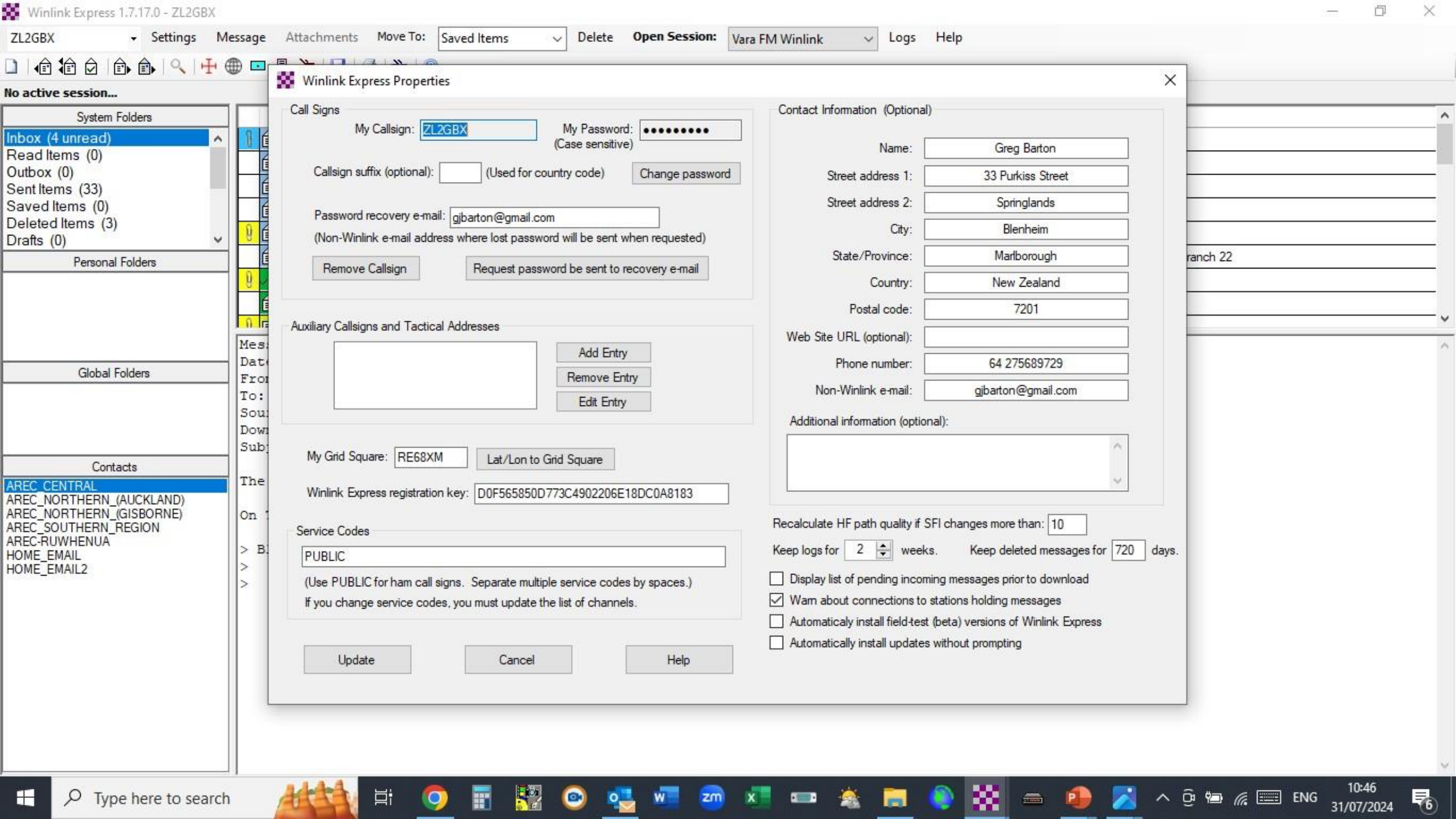

Winlink Express 1.7.17.0 - ZL2GBX
ZL2GBX
Settings
Message
Attachments
Move To:
Saved Items
Delete
Open Session:
Vara FM Winlink
Logs
Help
No active session...
System Folde
Inbox (4 unread)
Read Items (0)
Outbox (0)
Sent Items (33)
Saved Items (0)
Deleted Items (3)
Drafts (0)
Personal Fold
Global Folde
Contacts
AREC_CENTRAL
AREC_NORTHERN_(AUC
AREC_NORTHERN_(GISE
AREC_SOUTHERN_REGI
AREC-RUWHENUA
HOME_EMAIL
HOME_EMAIL2
Winlink Express Setup...
Font for text...
Font for lists...
Set color themes
GPS / Position Reports...
Winlink Catalog Requests...
GRIB file request...
Preferences...
Update User Options...
Message Notification and Forwarding
Form settings...
Auto session open on startup...
Contacts...
Group Addresses...
Add Personal Folder...
Add Global Folder...
Hybrid Network Parameters
Propagation calculation parameters
View Usage Statistics
View background tasks...
Backup and restore databases...
Exit
Size
Source
Sender
Recipient
Subject
49508 SMTP SMTP:gjbarton@... ZL2GBX 50k pic uhf
806 KN4LQN KN4LQN W0AYE... Winlink Wednesday Roster Published (24 July 2024, Episode #411)
703 KN4LQN KN4LQN W0AYE... Winlink Wednesday Net Confirmation (Episode #411)
1118 ZM1SEA ZM1SEA ZL4ROB... EmComm Training Organization - Excersise
31049 ZM1SEA AREC-CHECKIN ZK1EBW... AREC-Check-In Net Results Dated 30.06.24
493 AREC-C... AREC-CHECKIN ZL2GBX ACK: Winlink Check-in EXERCISE - ZL2GBX - Home QTH, Blenheim - Branch 22
54154 ZM1SEA AREC-CHECKIN ZK1EBW... AREC-Check-In Net Results Dated 23.06.24
849 ZM1SEA AREC-CHECKIN ZK1EBW... EmComm training Exercise June 20th
(UTC)
1SEA
321
ped over the lazy dogs eh
23 pm , <ZL2GBX@winlink.org> wrote:
fox jumps over the lazy dog
Type here to search
ENG
10:46
31/07/2024


Winlink Express 1.7.17.0 - ZL2GBX
ZL2GBX
Settings
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Saved Items
Delete
Open Session:
Vara FM Winlink
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Help
No active session...
System Folders
Inbox (4 unread)
Read Items (0)
Outbox (0)
Sent Items (33)
Saved Items (0)
Deleted Items (3)
Drafts (0)
Personal Folders
Global Folders
Contacts
AREC_CENTRAL
AREC_NORTHERN_(AUCKLAND)
AREC_NORTHERN_(GISBORNE)
AREC_SOUTHERN_REGION
AREC-RUWHENUA
HOME_EMAIL
HOME_EMAIL2
Winlink Express Properties
Call Signs
My Callsign: ZL2GBX
My Password: (Case sensitive)
Callsign suffix (optional):
(Used for country code)
Change password
Password recovery e-mail: gjbarton@gmail.com
(Non-Winlink e-mail address where lost password will be sent when requested)
Remove Callsign
Request password be sent to recovery e-mail
Auxiliary Callsigns and Tactical Addresses
Add Entry
Remove Entry
Edit Entry
My Grid Square: RE68XM
Lat/Lon to Grid Square
Winlink Express registration key: D0F565850D773C4902206E18DC0A8183
Service Codes
PUBLIC
(Use PUBLIC for ham call signs. Separate multiple service codes by spaces.)
If you change service codes, you must update the list of channels.
Update
Cancel
Help
Contact Information (Optional)
Name: Greg Barton
Street address 1: 33 Purkiss Street
Street address 2: Springlands
City: Blenheim
State/Province: Marlborough
Country: New Zealand
Postal code: 7201
Web Site URL (optional):
Phone number: 64 275689729
Non-Winlink e-mail: gjbarton@gmail.com
Additional information (optional):
Recalculate HF path quality if SFI changes more than: 10
Keep logs for 2 weeks.
Keep deleted messages for 720 days.
Display list of pending incoming messages prior to download
Warn about connections to stations holding messages
Automaticaly install field-test (beta) versions of Winlink Express
Automatically install updates without prompting
Type here to search
ENG
10:46
31/07/2024

Vara HF Winlink Session - ZL2GBX

Exit | Settings | Channel Selection | Map | Forecast | **Auto-connect** | Next chan. | **Start** | Stop | **Abort**

- Vara TNC Setup
- Radio Setup
- Auto-connect setup...

5.000 Dial Freq: 7043.500 Bandwidth: 2750 Bearing: 286 Quality: 26

Favor Select Add to favorites Remove from favorites

Channe Disconnected

*** Launching VARA TNC
*** Successfully connected to VARA TNC at 127.0.0.1 port 8300
*** Maximum signal bandwidth is set to 2750 Hz.
*** Using Yaesu FT-817, COM7, 9600 baud
*** Ready
*** This is a registered version of Vara TNC that can operate at full speed.

Type here to search

ENG 10:51 31/07/2024

Vara HF Winlink Session - ZL2GBX

Exit Settings Channel Selection Map Forecast **Auto-connect** Next chan. **Start** Stop **Abort**

VK2RZ Center Freq: 7045.000 Dial Freq: 7043.500 Bandwidth: 2750 Bearing: 286 Quality: 26

Favorites: Select Add to favorites Remove from favorites

Channel Free In: 0/0 Out: 0/0 BPM: 0/0 Disconnected

*** Launching VARA TNC
*** Successfully connected to VARA TNC at 127.0.0.1 port 8300
*** Maximum signal bandwidth is set to 2750 Hz.
*** Using Yaesu FT-817, COM7, 9600 baud
*** Ready
*** This is a registered version of Vara TNC that can operate at full speed.

Vara HF Winlink Settings

Radio Selection

Select Radio Model: Yaesu FT-817 Antenna Selection: Default

Icom Address: 94 USB ○ USB Digital ◉ FM ○ Use Internal Tuner ☐

Use Internal Soundcard ☑

Codan Radios

☐ Codan login and optional password: Filter width: 2.4 kHz

☐ Enable ALE scanning after session completes

Radio Control Port

Serial Port to Use: Baud: 9600 Enable RTS ☐ Enable DTR ☐ TTL ☐

PTT Port (Optional)

Serial Port to Use: Baud: 9600 Enable RTS ☐ Enable DTR ☐

☐ Log radio control commands to RMS Express(date).log

Update Cancel

Type here to search ENG 10:49 31/07/2024

Vara HF Winlink Session - ZL2GBX

Exit Settings Channel Selection Map Forecast **Auto-connect** Next chan. **Start** Stop **Abort**

VK2RZ Center Freq: 7045.000 Dial Freq: 7043.500 Bandwidth: 2750 Bearing: 286 Quality: 26

Favorites: Select Add to favorites Remove from favorites

Channel Free In: 0/0 Out: 0/0 BPM: 0/0 Disconnected

*** Launching VARA TNC
*** Successfully connected to VARA TNC at 127.0.0.1 port 8300
*** Maximum signal bandwidth is set to 2750 Hz.
*** Using Yaesu FT-817, COM7, 9600 baud
*** Ready
*** This is a registered version of Vara TNC that can operate at full speed.

Vara Setup

Virtual TNC host address/name: 127.0.0.1

Virtual TNC command port: 8300 Data Port: 8301

Maximum signal bandwidth: 2750

(Vara 2750 requires radio TX filter set for 100-2900 Hz and RX bandwidth of 3000)

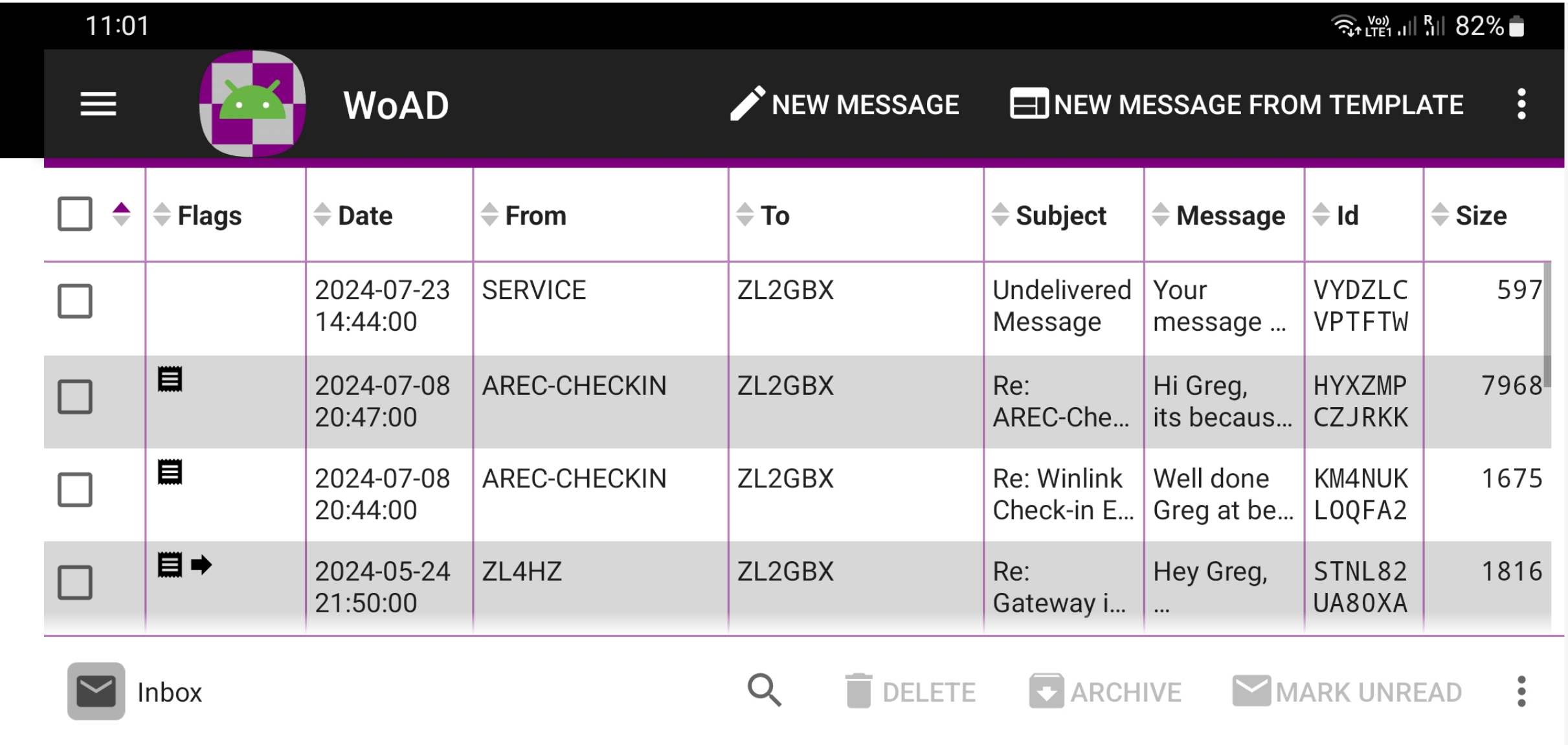
VARA Modem location: C:\VARA\Vara.exe

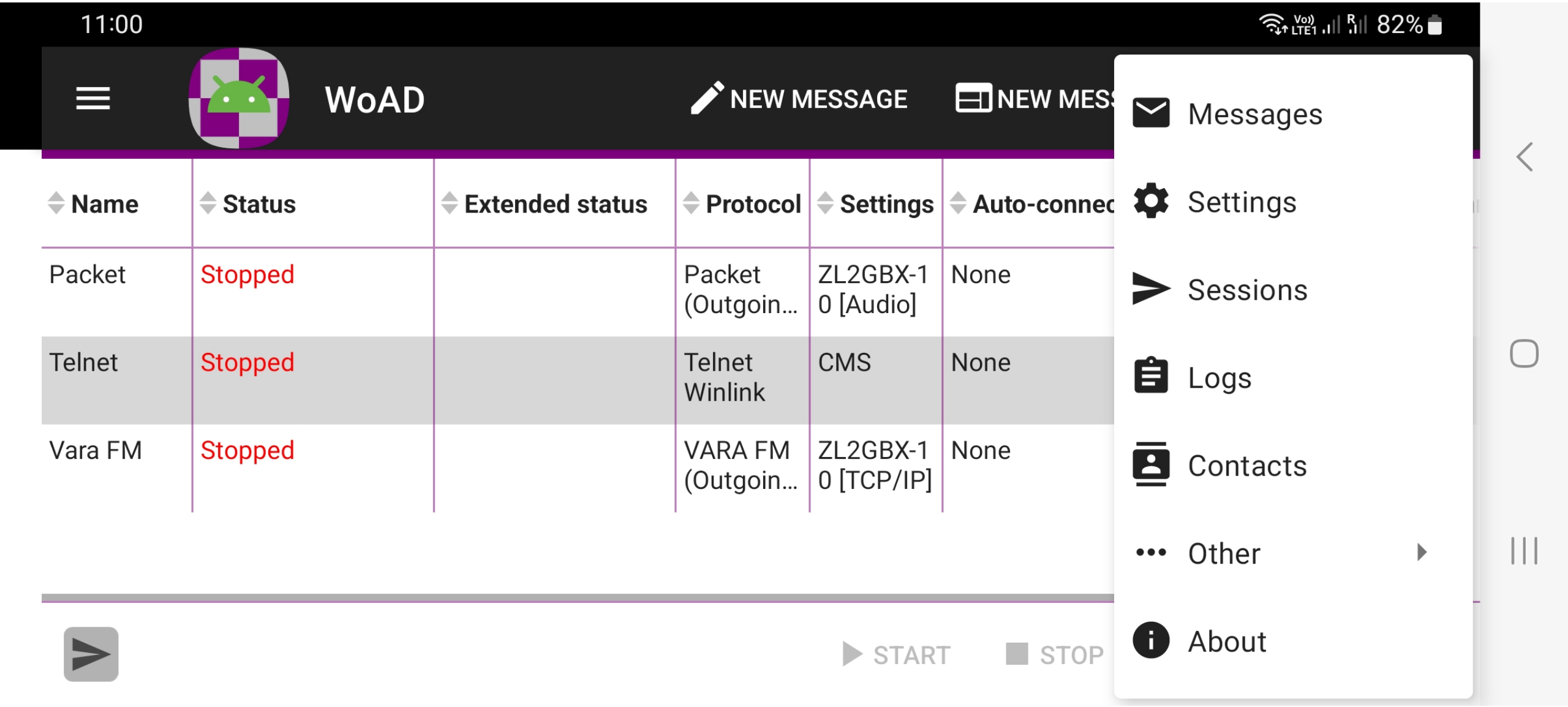
- [x] Automatically launch Vara TNC when session is opened
- [x] Show the Vara TNC screen when it's launched
- [x] Identify with Morse code at end of session
- [ ] Log Vara commands to Vara(date).log file

Update Cancel

Type here to search

ENG 10:49 31/07/2024


11:01
82%
WoAD
NEW MESSAGE
NEW MESSAGE FROM TEMPLATE
Flags
Date
From
To
Subject
Message
Id
Size
2024-07-23 14:44:00
SERVICE
ZL2GBX
Undelivered Message
Your message ...
VYDZLC VPTFTW
597
2024-07-08 20:47:00
AREC-CHECKIN
ZL2GBX
Re: AREC-Che...
Hi Greg, its becaus...
HYXZMP CZJRKK
7968
2024-07-08 20:44:00
AREC-CHECKIN
ZL2GBX
Re: Winlink Check-in E...
Well done Greg at be...
KM4NUK LOQFA2
1675
2024-05-24 21:50:00
ZL4HZ
ZL2GBX
Re: Gateway i...
Hey Greg, ...
STNL82 UA80XA
1816
Inbox
DELETE
ARCHIVE
MARK UNREAD


11:00
82%
WoAD
NEW MESSAGE
NEW MES
Name
Status
Extended status
Protocol
Settings
Auto-connec
Packet
Stopped
Packet (Outgoin...
ZL2GBX-10 [Audio]
None
Telnet
Stopped
Telnet Winlink
CMS
None
Vara FM
Stopped
VARA FM (Outgoin...
ZL2GBX-10 [TCP/IP]
None
START
STOP
Messages
Settings
Sessions
Logs
Contacts
Other
About

Current setup in Marlborough

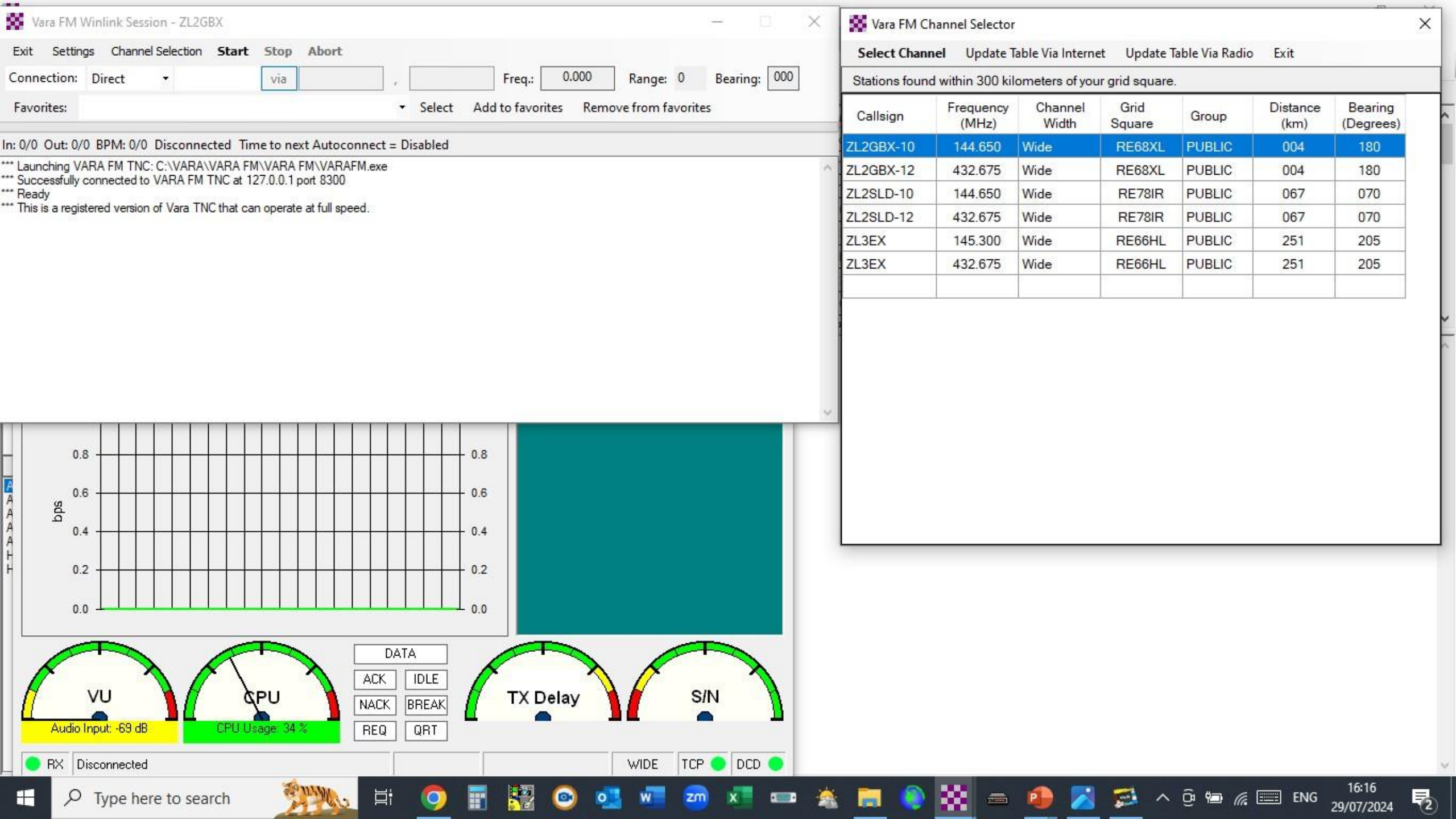
There is a VHF/UHF RMS gateway at ZL2GBX operating 24/7

- 2 x Tait 8200 radios and controller (supplied free by AREC)
- USB connecting cable (supplied free by AREC)
- A windows PC (basic peripherals) *
- Winlink Express (free) and VARA software (free trial / 60€)*
- 12v power supply *
- 2M and 70cm antennas and cabling *
- Internet connection *

* (currently supplied by ZL2GBX)

Several members have configured Winlink clients using HF or VHF/UHF
Current access via HF is via the available gateways in NZ / Australia and beyond
VHF/UHF access is via the ZL2GBX-10 or ZL2GBX-12 gateways – there are likely to be additional gateways in Wellington that may be accessible later.

AREC Interface box (USB to PC, RS232 to transceivers)
VHF transceiver
UHF transceiver
HP Elitedesk W10 PC


Vara FM Winlink Session - ZL2GBX
Exit Settings Channel Selection Start Stop Abort
Connection: Direct via , Freq.: 0.000 Range: 0 Bearing: 000
Favorites: Select Add to favorites Remove from favorites
In: 0/0 Out: 0/0 BPM: 0/0 Disconnected Time to next Autoconnect = Disabled
*** Launching VARA FM TNC: C:\VARA\VARA FM\VARA FM\VARAFM.exe
*** Successfully connected to VARA FM TNC at 127.0.0.1 port 8300
*** Ready
*** This is a registered version of Vara TNC that can operate at full speed.
bps
0.8
0.6
0.4
0.2
0.0
VU
CPU
Audio Input: -69 dB
CPU Usage: 34 %
DATA
ACK
IDLE
NACK
BREAK
REQ
QRT
TX Delay
S/N
RX
Disconnected
WIDE
TCP
DCD
Vara FM Channel Selector
Select Channel
Update Table Via Internet
Update Table Via Radio
Exit
Stations found within 300 kilometers of your grid square.
Callsign
Frequency (MHz)
Channel Width
Grid Square
Group
Distance (km)
Bearing (Degrees)
ZL2GBX-10 144.650 Wide RE68XL PUBLIC 004 180
ZL2GBX-12 432.675 Wide RE68XL PUBLIC 004 180
ZL2SLD-10 144.650 Wide RE78IR PUBLIC 067 070
ZL2SLD-12 432.675 Wide RE78IR PUBLIC 067 070
ZL3EX 145.300 Wide RE66HL PUBLIC 251 205
ZL3EX 432.675 Wide RE66HL PUBLIC 251 205
Type here to search
ENG
16:16
29/07/2024

The Winlink Radio E-mail Network

- No infrastructure is needed. Extremely resilient.
- Winlink provides e-mail from *any* point on the earth – including the middle of the ocean (or within your county/Jurisdiction).
- Messages are sent via HF, VHF/UHF radio, and telnet.
- Winlink software and use of the system are *free of charge*.
- Hardware costs are minimal. Less than one Motorola P25 handheld.
- Winlink provides 100% accurate transmission.
- AES-256 transmission encryption is available (not on amateur radio).
- Winlink is an interoperable store-and-forward system providing time and frequency *independence*.
- Winlink is *interoperable* between commercial radio, amateur radio, Internet e-mail, cell phone, satellite and other services.

What next?

Establish a permanent Hybrid RMS (HF/VHF/UHF)

- Location – secure, quiet (HF), accessible, power, internet
- Critical in the event of AF8 or other natural disaster or cyber outage

Grow user base and encourage regular exercises to maintain operational competence

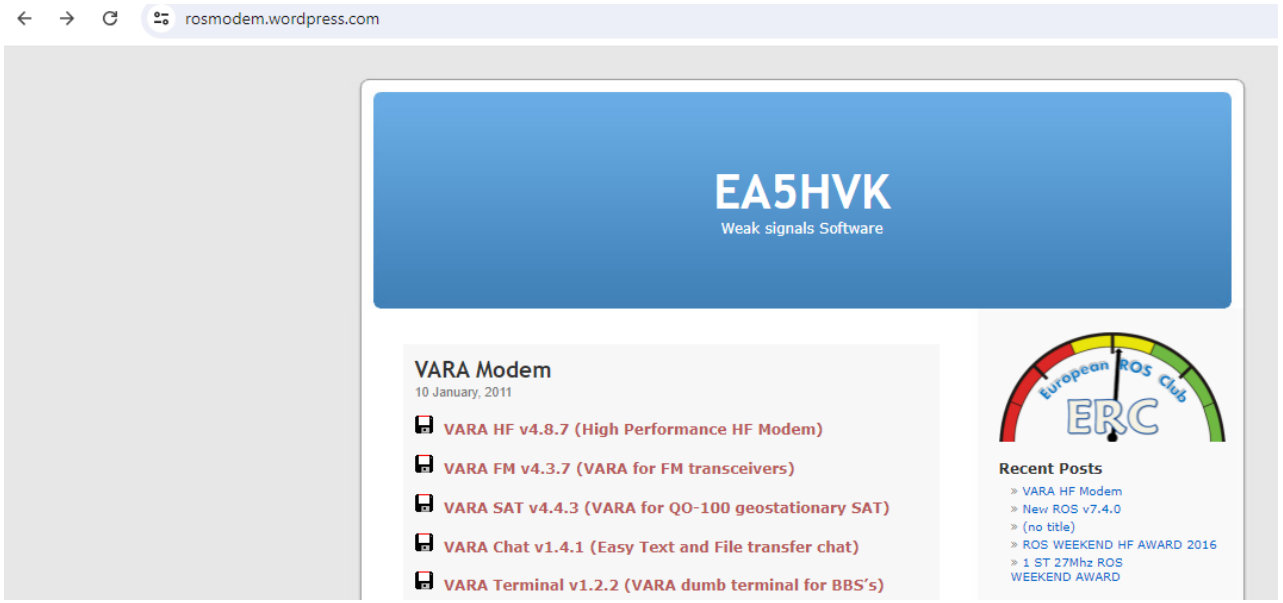
- AREC Check-ins
- Winlink Wednesday etc
- Develop hardware solutions – phone/handheld, PC/base station

All the links you'll ever need

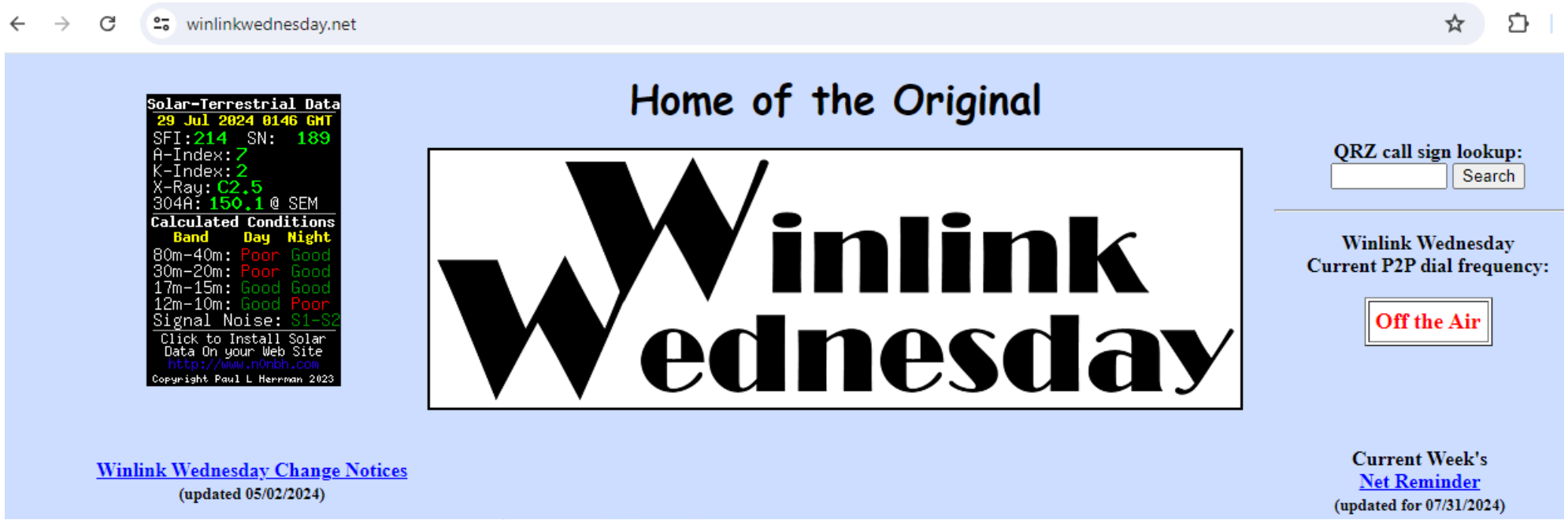
https:// winlink.org

Winlink

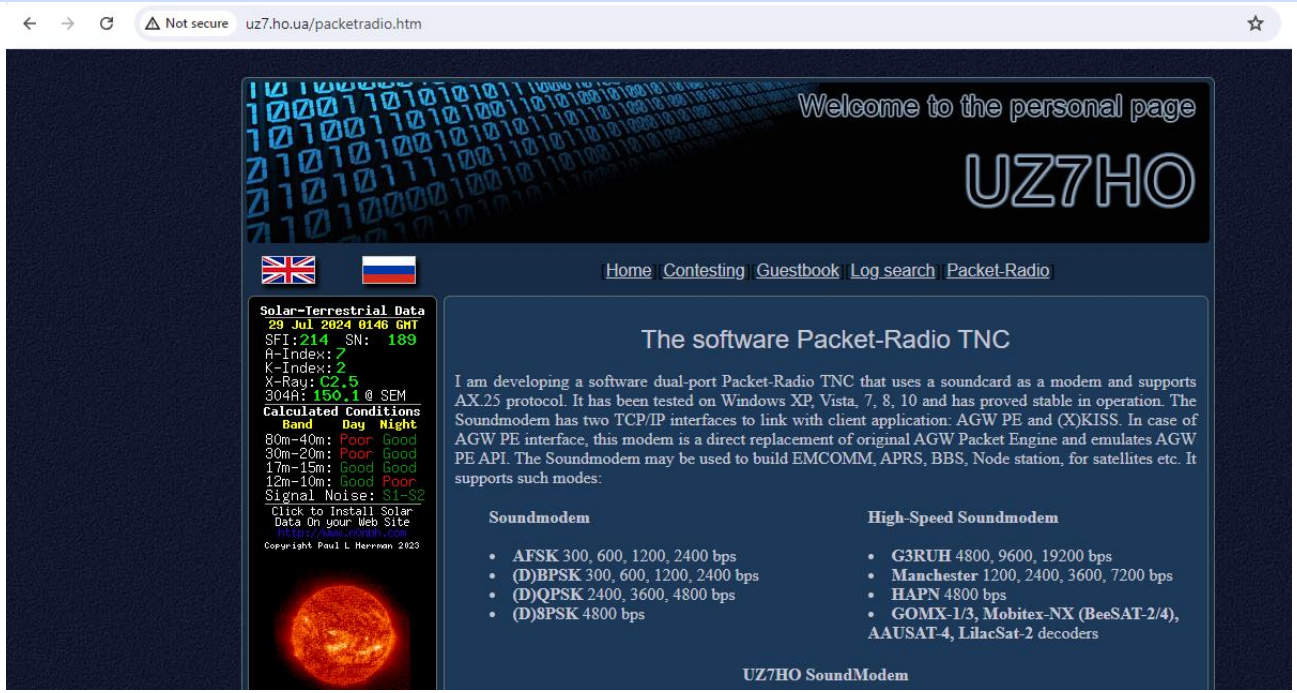
https://rosmodem.wordpress.com/



VARA



http://winlinkwednesday.net



http://uz7.ho.ua/packetradio.htm

wavetalkers.com

lots of videos on Youtube

Who are some key players in Winlink?

ARSF (Inc) Non-profit organisation - Winlink is their main project (since 2006)

Steve Waterman K4CJX One of the original Winlink Development team
(manages RMS registrations)

Jose Ros EA5HVK Developer of the VARA software

Nigel Goldstone ZL1SEA – AREC and operator of the initial RMS gateway in Kaeo

David Chesterfield KN4LQN – coordinator of Winlink Wednesdays etc

EM-COMM – umbrella term – ARRL / FCC / ETO etc