2017 Pacific Section
Amateur Radio Emergency Service (ARES)
Simulated Emergency Test (SET)
Health and Welfare Traffic Session

Overview

This year's SET is primarily focused on a simulated tsunami event with Amateur stations reporting inundation and material damage reports. This is priority traffic to be simulated as Part I of the exercise from 08:00 to 13:00, Saturday Oct 21st.

Normally 72-hours after an event, government communications are restored and Amateur stations can assist in other ways, such as handling health and welfare traffic that cannot be handled by government agencies.

Major events in FL, PR, TX and Mexico demonstrate the need for high volume "Health and Welfare" traffic such as is being handled via the Red Cross "Safe and Well" web site,

https://safeandwell.communityos.org/zf/safe/add

Winlink has proved a valuable tool in the PR emergency.

https://youtu.be/HpJkY3-dJf4
http://www.foxnews.com/tech/2014/05/19/ham-radio-old-technology-gets-new-respect.html

Part II of the Pacific Section 2017 SET will simulate Hawaii stations passing Winlink traffic for a ***simulated*** posting to the Red Cross web site by an Amateur Radio station in the state of Oregon. The SET simulation assumes stations participating have lost Internet access and must forward "Safe and Well" messages by HF for web site posting by **KF7RSF,** Oregon Coos County ARES/RACES Operations Officer.

Purpose

The intent of Part II of the 2017 SET is to (1) *encourage Hawaii Amateurs to acquire Winlink skills* so we can better contribute to any future emergency, (2) to evaluate propagation to mainland and Hawaii RMS gateways, (3) to find other RMS gateways usable from Hawaii, and (4) to promote our skills to served agencies and general public.

Date and Time

Part II of the 2017 SET will begin immediately after Part I and run for 24 hours.

13:00 Oct 21 to 13:00 Oct 22, 2017

The 24-hour period was chosen to allow use of HF RMS gateways, affected by propagation, that may be available only a few hours each day on different bands.

RMS HF Gateways

Hawaii stations with Pactor or Winmor capable stations are encouraged to submit messages to any Winlink RMS gateway outside Hawaii. The KF7RSF gateway is known to be accessible by Hawaii stations. If a connection is not possible directly, traffic can be directed to the two Hawaii based RMS gateways, configured to forward messages to mainland gateways *when Internet service is interrupted.*

KF7RSF	3,585.500 kHz	Pactor 3, Winmor	Bandon, OR
	7,101.500 kHz	Pactor 3, Winmor	Bandon, OR
	10,144.500 kHz	Pactor 3, Winmor	Bandon, OR
	14,101.700 kHz	Pactor 3, Winmor	Bandon, OR
NH6NN	7,103.500 kHz	Pactor 3, Winmor	Waimanalo, HI
KH6SF	7,107.000 kHz	Pactor 3, Winmor	Mountain View, HI
KH6SP	7,104.000 kHz	Pactor 1,2,3, Winmor	Wahiawa, HI
	10,143.000 kHz	Pactor 1,2,3, Winmor	Wahiawa, HI
	18,107.000 kHz	Pactor 1,2,3, Winmor	Wahiawa, HI
KH6UL	14,106.000 kHz	Pactor 1,2,3	Wahiawa, HI
	21,095.000 kHz	Pactor 1,2,3	Wahiawa, HI

Participating stations are encouraged to look for other accessible gateways outside the Hawaiian Islands and report their use.

RMS VHF Gateways

Although Part II of the SET is *primarily* intended to develop Hawaii's HF gateways, use of VHF gateways will offer an opportunity to exercise Winlink operating skills. Some of our VHF gateways have or will have connection to HF gateways (that can forward traffic via HF to mainland stations). We expect this network to grow.

Here is a list of current VHF gateways in Hawaii,

AH6JA-10	145.090 MHz	Packet 1200	00-23	HILO, HI
KH6HPZ-10	145.070 MHz	Packet 1200	00-23	Honolulu, HI
KH6SF-10	145.090 MHz	Packet 1200	00-23	Mountain View, HI
NH6NN-10	145.030 MHz	Packet 1200	00-23	Waimanalo, HI
WH6FG-10	145.010 MHz	Packet 1200	00-23	Kalaheo, Hi
NH7J-10	145.050 MHz	Packet 1200	00-23	Wahiawa, HI

Associate Participation

Even Amateur Stations not yet having HF or VHF access to Winlink, are encouraged to participate using a Telnet connection (Internet) to Winlink. This is our first use of Winlink in SET exercises in Hawaii. We want to encourage Amateurs to develop Winlink skills. *Just installing the software and using it to send and receive messages is a big step in expanding Hawaii EMCOMM operators' digital skills.*

Please consider participating via Internet even if your radio equipment is not yet digital capable.

Appendix I – How to install RMS Express

The following YouTube video is an excellent tutorial on how to install Winlink RMS Express, including how to send and receive messages. It does not require that you have digital radio equipment, e.g. a Pactor modem or Signalink sound card.

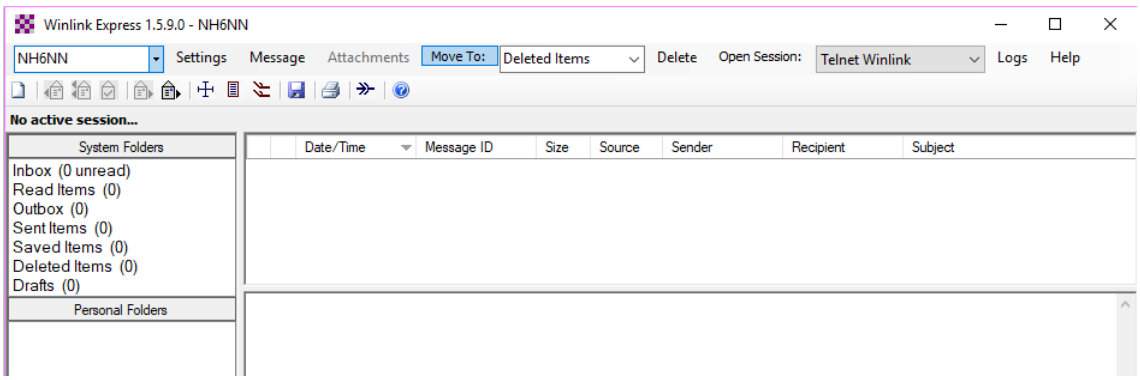
https://youtu.be/Kb_cEUyYF9o

Appendix II – Creating a sample "Safe and Well" message.

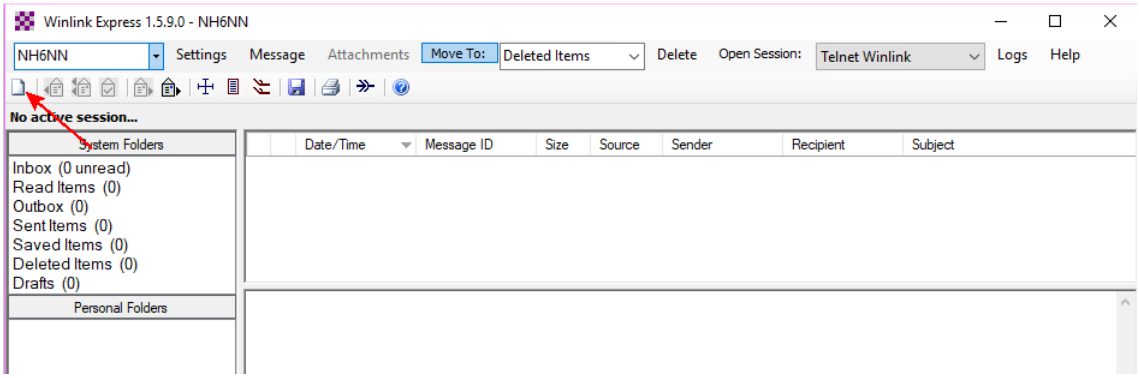
The Red Cross designed "Safe and Well" Amateur Radio message has a template designed to match their web based Internet database. This template is evolving to serve users better. For the situation in Puerto Rico the initial design addressed the need to handle a large volume of messages. For the 2017 Hawaii SET "Health and Welfare Section" we will use a simple text message.

To assist in preparing messages study the steps below:

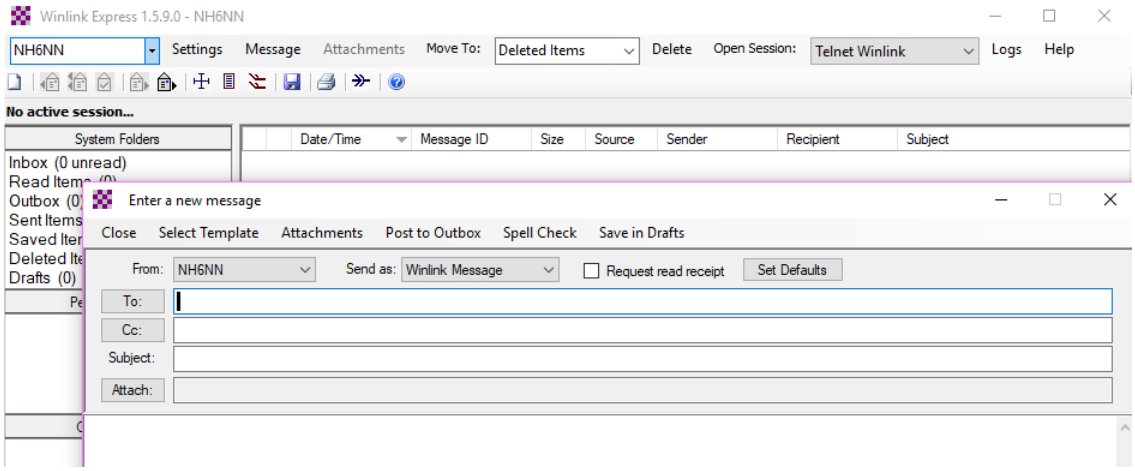
1. Start RMS Express.



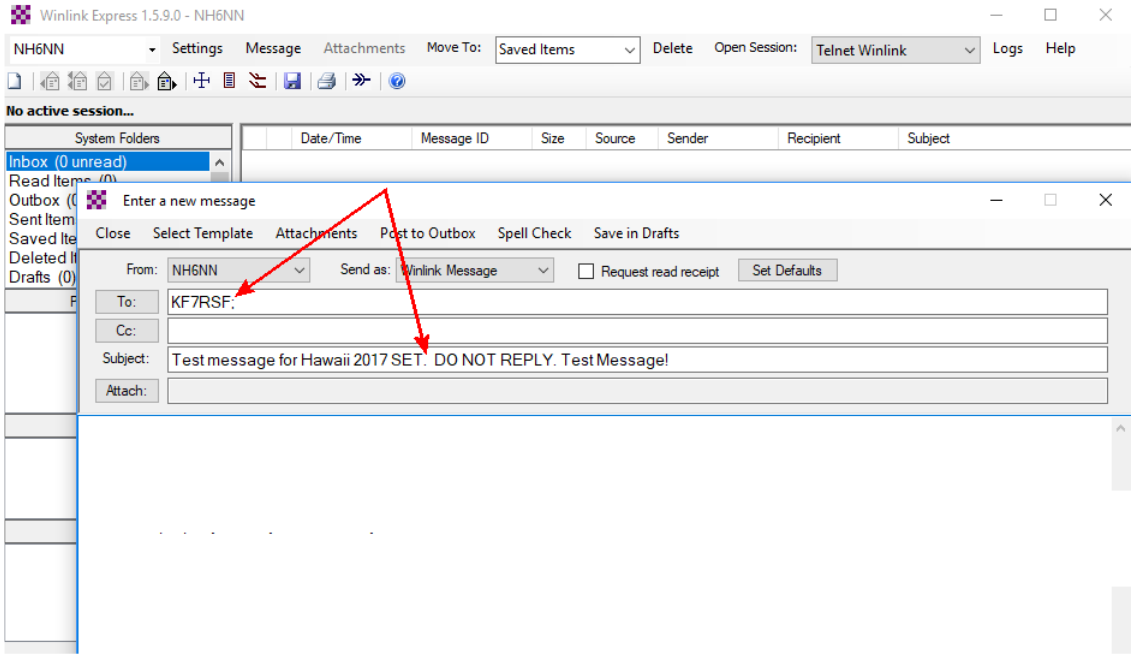
2. Click the “**New Message**” icon



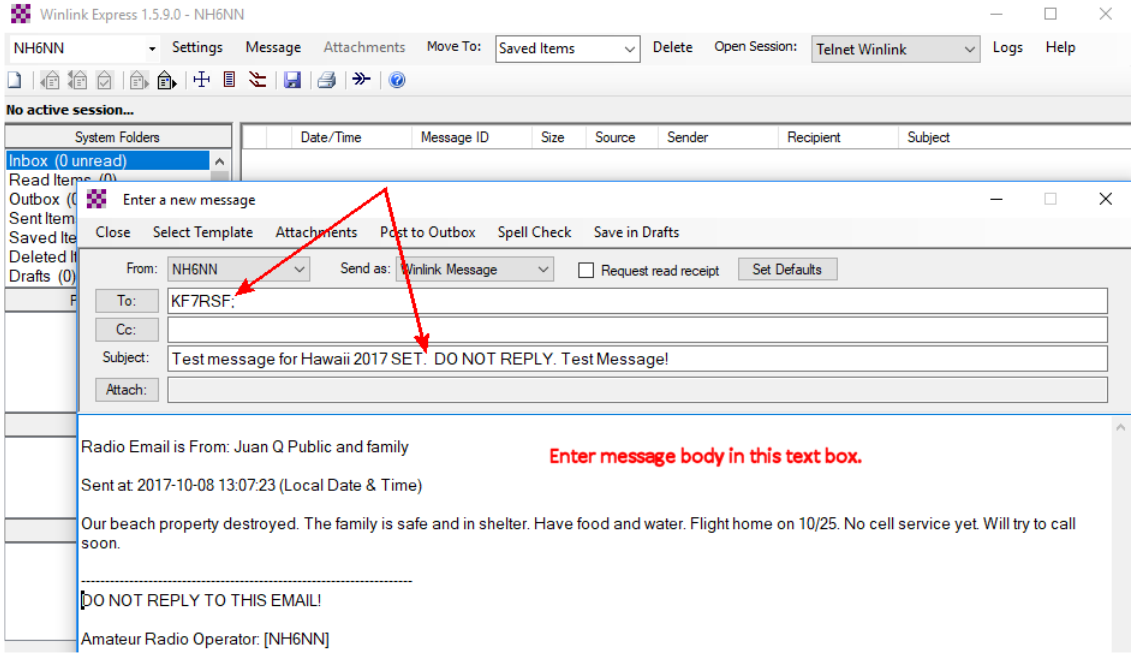
3. Which opens the **New message** window



4. Enter **To** addressee **KF7RSF** and Subject “**Test message for Hawaii 2017 SET. DO NOT REPLY. Test Message!**”



5. Enter text message



For this SET the message can be arbitrary. Below is a sample that can be copied and edited as you like, e.g. replace NH6NN with your call.

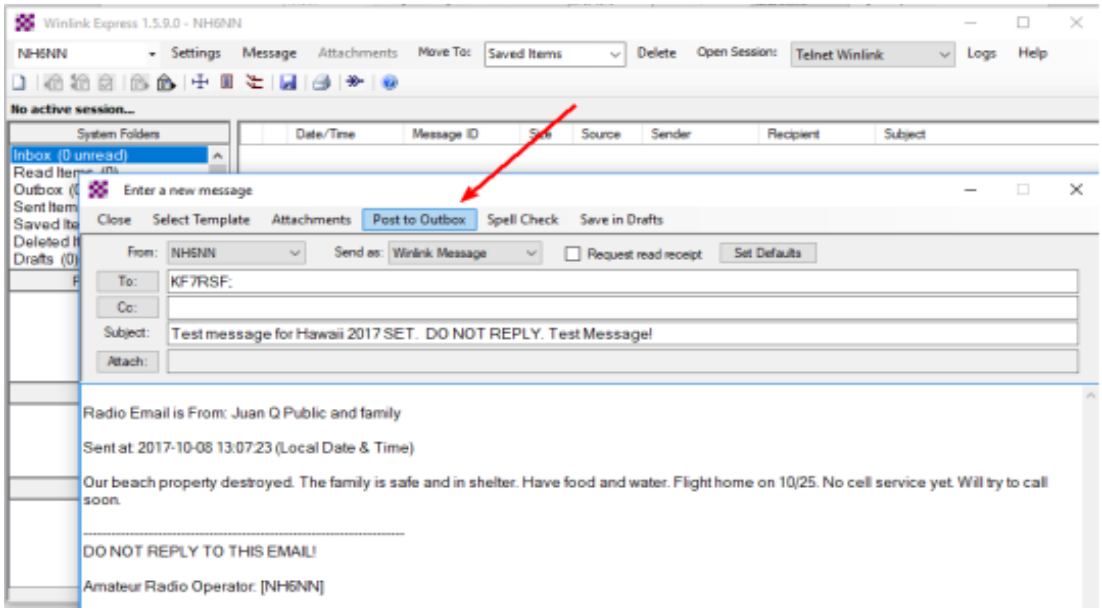
“Radio Email is From: Juan Q Public and family
Sent at: 2017-10-08 13:07:23 (Local Date & Time)
Our beach property destroyed. The family is safe and in shelter.

Have food and water. Flight home on 10/25. No cell service yet. Will try to call soon."

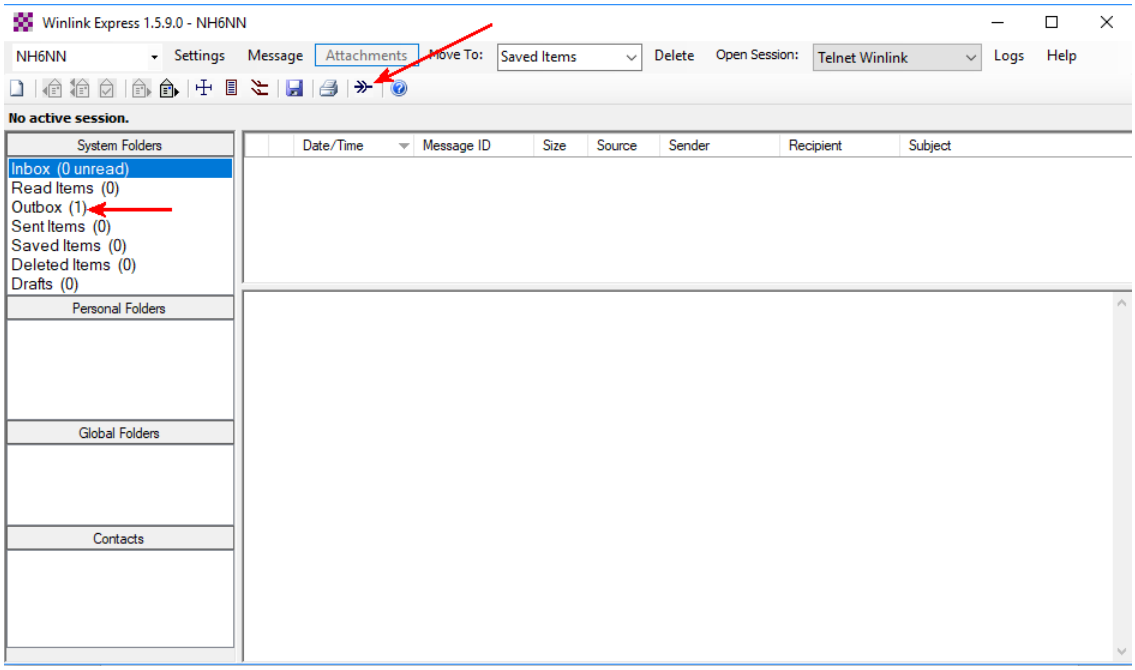
DO NOT REPLY TO THIS EMAIL!

Amateur Radio Operator: [NH6NN]

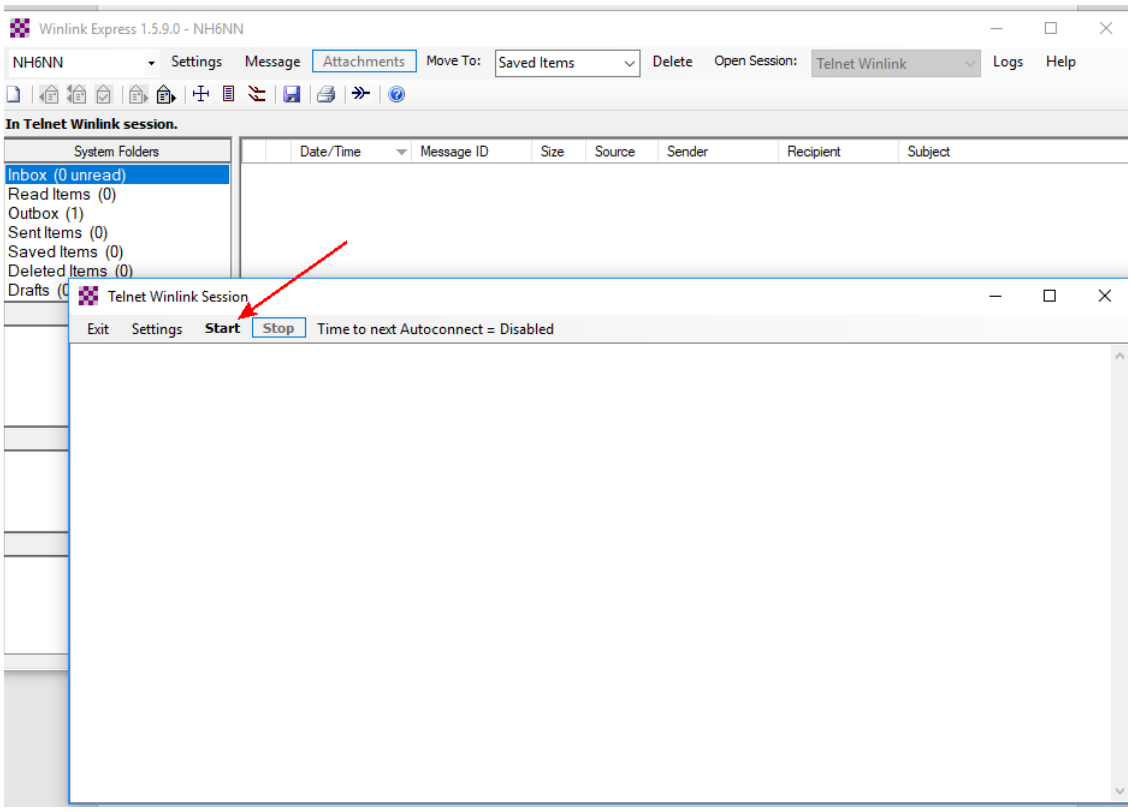
6. Click “Post to Outbox” to move it to the outbox where it will be ready to be sent.



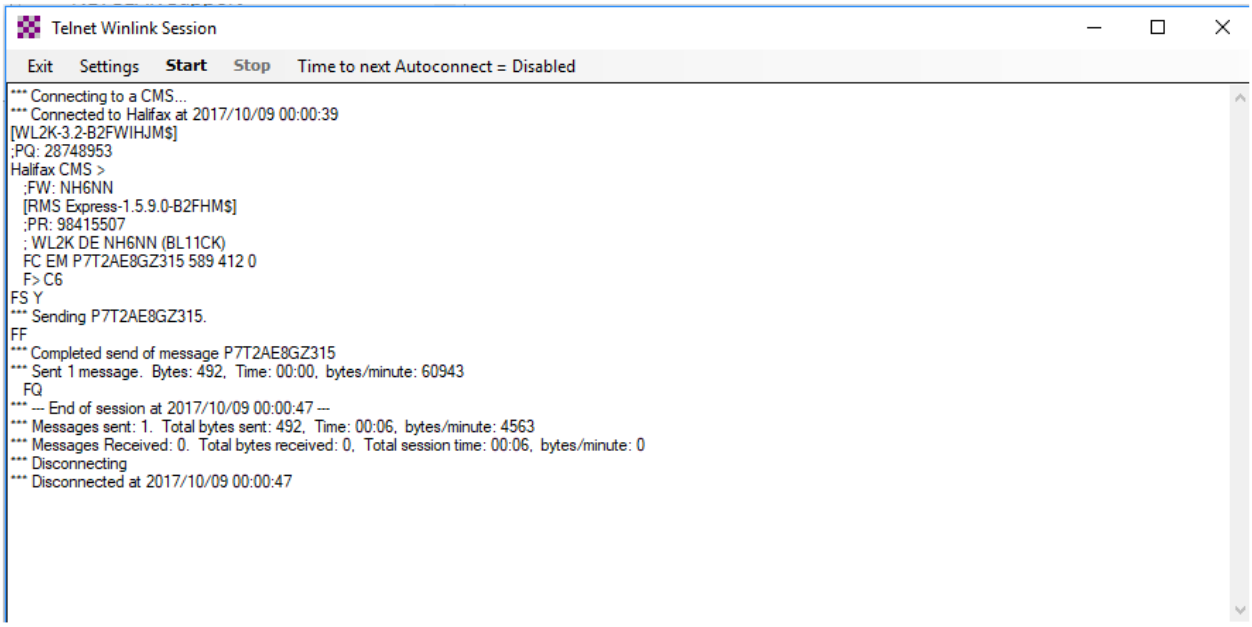
7. Click the icon to start a session to send/receive Winlink traffic.



8. Click start to begin the Winlink session



9. The session log is displayed {this is the format for a Telenet session)



10. Click on the **x** on the top right to close the session.