

ARRL Radiogram Training

CARA Prep For ARRL SET 2023

Agenda

- A little history
- A process example in today's world
- Demonstrate Creating a Radiogram using Winlink Template
- Questions & Answers
- Discussion Topic - Radiogram use for 2023 SET

A little history

- Telegraphy and telegrams were a commonly available reality well before the Civil War spurred on in advance of the railroad industry.
- Hiram Maxim promoted the ARRL Radiogram as a public service from the very early years of amateur radio and the forms we use today are easily recognizable from the original introduced circa 1925.
- The biggest changes in the past couple decades have come from the growth of reliable digital radio communication technologies like Winlink
- But when all else fails, basic radio can cover the distance as easy today as 1925

Bottom Line...

Radio-Mail via Winlink is today's primary solution

Voice and CW are old school fallback options

The last mile is still email, telephone, and sneaker net

Process Example

Winlink Radiogram Form

The screenshot shows the 'Amateur Radio RADIOGRAM Text Creator' web form. The form is divided into several sections:

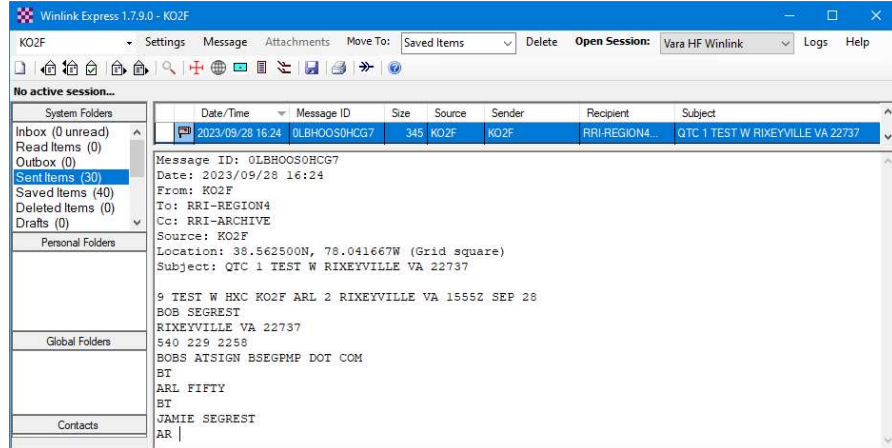
- Header:** 'Amateur Radio RADIOGRAM Text Creator' with a link to 'Read Help and Instructions!'.
- Form Fields:**
 - Number:** 9
 - Precedence:** P, W, TEST P, TEST V (selected)
 - Handling Instructions:** HXC, HXF, HXG (selected), HX Help, ADD MORE HX INFO
 - Station Of Origin:** K0ZF (Change if not you)
 - Check:** ARL 2
 - Place of Origin:** RIXEYVILLE VA
 - Time:** 1310Z
 - Date:** SEP 29
 - Time Selection:** Current UTC Time, Current Local Time, No Time
- TO:**
 - Name:** BOB SEGREST (Call Sign: IF ANY OR KNOWN)
 - Address:** OPTIONAL
 - City / Town:** RIXEYVILLE (State or Province: VA, 2 Letter Codes, Zip: 22737)
 - Country:** OPTIONAL
 - Phone:** 540 229 2258 (Extension: IF ONLY, E-mail: BOBSATSIGN BSEGMP DOT COM)
 - Op Note about this Radiogram:** OPTIONAL - KEEP IT SHORT!
- MESSAGE TEXT:** Check: ARL 2 (Numbered Message Help), ARL FIFTY
- Signature:** (name) of person for whom message originated: JAMIE SEGREST
- Operator Note:** OPTIONAL - KEEP IT SHORT!
- Footer:** >>> NOW CLICK HERE and select a Liaison Station <<< (RI-Region4), Submit, Reset Form, Contact KB1FCE about this form, Ver 10.6

Here is a sample Winlink Radiogram Template I completed last week to test the end-to-end process

We are going to cover each of the fields on this form during the demo in some detail

Process Example

Winlink Radiogram Message



This is the message produced by the template when you click Submit

Again, we will be covering this in more detail during the demo

Process Example

NTS Delivered Radiogram

PDF attached to email from NTS operator

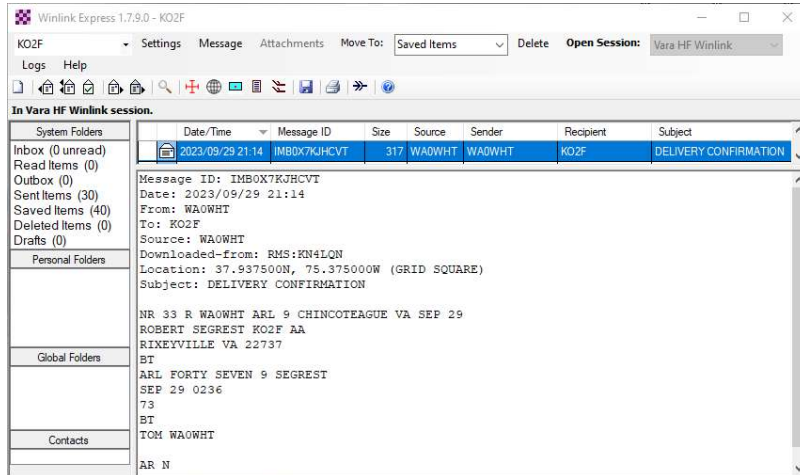
| ARRL — the national association for Amateur Radio™ | | | | | | | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|--------|-------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|------------|--------|
| RADIOGRAM | | | | | | | |
| NUMBER | PRECEDENCE | HX | STATION OF ORIGIN | CHECK | PLACE OF ORIGIN | TIME FILED | DATE |
| 9 | ROUTINE | C | KO2F | ARL 2 | RIXEYVILLE VA | 1555Z | SEP 28 |
| TO BOB SEGREST RIXEYVILLE VA 22737 | | | | THIS RADIO MESSAGE WAS RECEIVED AT | | | |
| PHONE NUMBER 540-229-2258 | | | | AMATEUR STATION WA0WHT PHONE 757-336-0548 | | | |
| E-MAIL BOBS@BSEGMP.COM | | | | NAME Tom Larson E-MAIL wa0wht@verizon.net | | | |
| | | | | STREET PO Box 211 via VN 3553 KRZ 2300Z | | | |
| | | | | CITY, STATE, ZIP Chincoteague Island, VA 23336 | | | |
| | | | | 28 September 2023 | | | |
| GREETINGS BY AMATEUR RADIO | | | | | | | |
| JAMIE SEGREST | | | | | | | |
| FROM | DATE | TIME | TO | DATE | TIME | | |
| REC'D N3SW on VirginiaNet | SEP28 | 2300 Z | SENT | | | | |
| <small>This message was handled at no charge by a licensed Amateur Radio operator, whose address is shown in the box at right above. No compensation can be accepted by a "ham" operator. A return message may be filed with the "ham" delivering this message to you. Further information on Amateur Radio may be obtained from ARRL, Headquarters, 225 Main Street, Newington, CT 06111 or www.arrl.org.</small> | | | | <small>The ARRL is the national association for Amateur Radio and the publisher of QST magazine. One of its functions is promotion of public service communication among Amateur Radio operators. To that end, the ARRL has organized the National Traffic System for daily nationwide message handling.</small> | | | |
| | | | | 1320 2/11 | | | |

The system does work!

I received this pdf document as an email attachment from a NTS Virginia Traffic net participant about 12 hours later.

Process Example

NTS Delivered Proof of Delivery



And as I had requested a delivery receipt as the station of origin, I received this Winlink message about a day later



Prosign
BT
AR

Proword
Break
End-of-

A couple minutes for Q&A

- Any Questions?



**Discussion
Time**

**Radiograms
for the 2023
SET**

What SET objectives are we trying to achieve?

Where do Radiograms fit our SET narrative?

For each Radiogram we need to define

- Originator
- Station of Origin
- Routing (NTS, simulated?)
- Destination