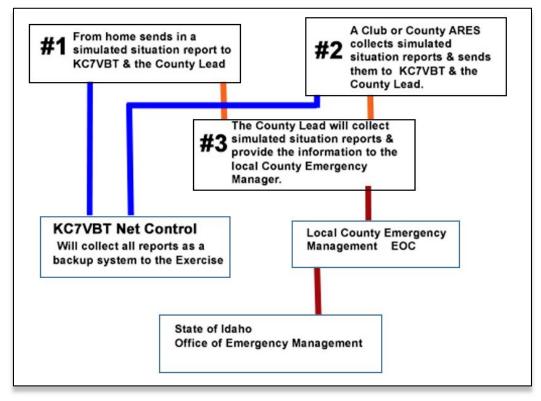
Amateur Radio Exercise Play Book

When a disaster is at its worst, communications should be at its best.





On October 5, 2022 the first ever Idaho statewide exercise, that includes all amateur radio operators that wish to participate, will happen.

This is an exciting exercise and we're trying to keep it as simple as possible. The purpose of this exercise is to provide situational awareness of the condition of Idaho by identifying the hardest hit areas and provide that data to Emergency Management. This will provide ground truthing and accurate information on what's going on in an area.

This exercise will provide amateur radio operators the opportunity to show their skills and talents. The state of Idaho is mixed with high populated areas and very rural areas. This exercise can accommodate all of the state by working with a simple method in which to conduct this exercise. All participants are volunteers. Even the County Emergency Managers are volunteering their time to participate if they wish.

We need as many amateur radio operators as possible to show the State Emergency Services that we are ready to step up in a disaster and deliver various services.

This playbook is a guideline on how to participate in the exercise. It is just guidance and we want everyone to be able to participate so being flexible will be our goal.

The October 5th exercise will be a two hour exercise with a third hour for review. Starting at 9am PT and 10am MT. (remember the State of Idaho is in two time zones) The first 1.5 hours of the exercise will be the time we will ask for your "Field Situation Report" to be submitted. The

next half hour, that information will be put together and delivered to the Local EOC's and the State. A Zoom meeting invitation will be sent out for the Hot Wash review for the last hour.

We do understand that many are working or have other responsibilities during the exercise time frame. For those that need to, it will be okay to participate by submitting your Field Situation Report before the exercise starts and as early as the night before the exercise.

There are three objectives for this exercise. As you read through this Play Book you we see how we can accomplish these objectives.

- **1.** Assess operational readiness of Amateur Radio volunteers with participating Local Emergency Management EOC's by successfully sending messages via the Amateur radio Winlink email system while using prescribed communications protocols.
- **2.** Demonstrate the capability of Amateur Radio to deploy and support development of a common operating picture and situational assessment then provided this information to local Emergency Management EOC's and the State.
- **3.** Validate the capability of Amateur Radio volunteers to maintain a unified and coordinated operational structure when supporting local Emergency Management EOC's with situational information.

Let's jump into How to Play.

First

We want every Ham to participate. You can use any method necessary to submit your Winlink "Field Situation Report" Via HF, VHF, UHF, etc, and yes using the internet (telnet) to send your Winlink message is totally acceptable. <u>Use what you know.</u> In future exercises we will focus on radio connections for Winlink.

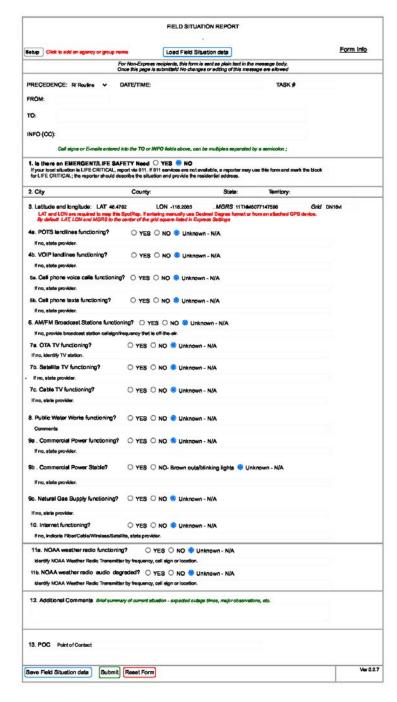
For areas that will work as Clubs/ARES, it is acceptable to have members submit their report via voice radio to a scribe. The reports will need to be complete including Lat & Lon.

The Field Situation Report.

You will find this form in the Winlink Templates section.

You begin by;

- Start a new email message.
 In the new message top taskbar
- Click on "Select Templates"The Template Manager will open.
- 3. Click on the "Standard Templates"
- 4. Click on "General Forms"
- 5. Double Click on the "Field Situation Report" and the form will open.



How to fill out the form.

	FIELD SI	TUATION REPORT		
Setup Click to add an agency or group name	Load Field	d Situation data		Form info
	r Non-Express recipients, this f ce this page is submittefd No c			
PRECEDENCE: R/Routine V DA	ATE/TIME:		TASK#	
ro: NFO (CC): KC7VBT	 All Winlink messa 	ages should be CC to	KC7VBT for backup and	record keeping
Call signs or E-mails entered int	to the TO or INFO fields above	, can be multiples separated	by a semicolon ;	
1. Is there an EMERGENT/LIFE SAFE If your local situation is LIFE CRITICAL, repo	ort via 911. If 911 services are	not available, a reporter may	use this form and mark the block	
for LIFE CRITICAL; the reporter should desc				

When you open the form it will automatic fill in your call sign and the date/time

In the Precedence box select "Priority"

The Task Box # will not be used this time.

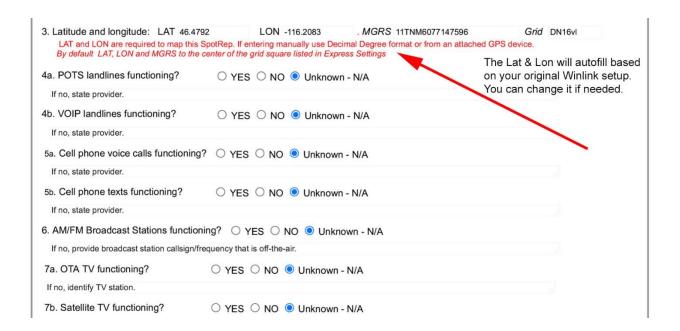
In the TO box put the call sign of the Amateur Radio Lead for your County. They will be combining the data and submitting that information to the Local EOC. We don't know who this person will be but we will publish the County Lead call signs before the exercise.

CC: With all Winlink messages during this exercise put **KC7VBT** in the CC line. The will send a copy of your message to Exercise control so we can collect and back all information.

When entering a Call Sigh and other email address, the Form will automatically put those emails addresses into your main Winlink email address boxes.

There will no need to change the Emergency/Life Safety. Keep it on NO.

Fill in your City, County and State



Line 3 will automatic fill in with the Lat & Lon you used when setting up your Winlink account. **Or** if your computer is connected to a GPS it will automatic fill in your current location.

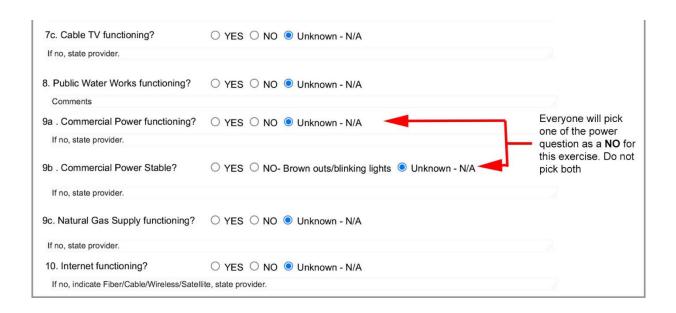
You can change the Lat & Lon based on your current location if needed.

The Lat & Lon is important to have so we can build maps that will locate the areas of the problem.

Line 4a through 7b

Feel free to click any response. This exercise is based on a Cyber-attack that is causing sporadic internet service with very slow speeds or no service at all. The Power grid is attacked and goes down causing local TV and Radio loss.

We recommend that you don't click NO on everything. Think of what might happen in your area if this attack happened. Remember we are just simulating an attack.



Line 7c, 8, and 9c

Treat these questions just like 4a through 7b

Line 9a & 9b

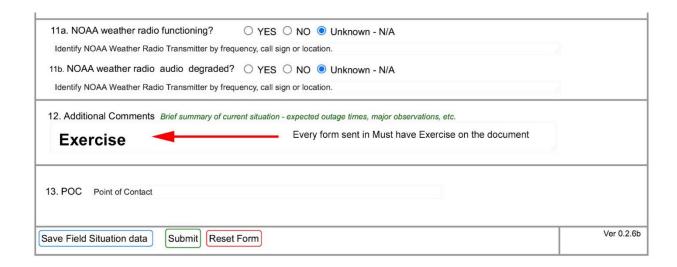
<u>Everyone</u> will pick one of the Power questions as a **NO** Don't pick NO for both power questions. Have fun maybe flip a coin to make your choice.

Line 10

We need the majority of the reports to show **NO internet**. To achieve this all Amateur Radio Operators will click **NO** Except and anyone with a call sign that starts with a **W** they will check **YES**

Note:

Just because we are simulating an attack doesn't mean that you have to act like it is really happening. You don't have to go without power or the internet. In this exercise it is just a simulation so we can show the value of the Field Situation Report and Amateur Radio.



Lines 11a & 11b

Your choice on how to answer

Line 12

<u>This is very important.</u> Always put **Exercise** on this and all other documents sent during the exercise.

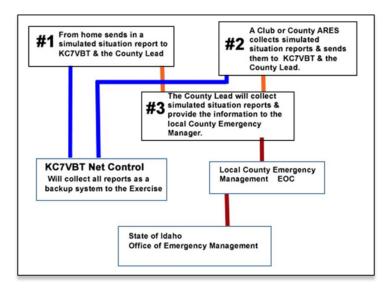
Line 13

The person providing the information is the Point of Contact

When you are done filling out the form click on Submit and follow the instructions.

It would be a good idea to practice filling out and sending this form.

Position Responsibilities



1. From home send in a simulated situation report to net control KC7VBT and the County Lead ham via Winlink.

Everyone should submit a Field Situation Report regardless of other roles you may be doing during this exercise. You can send it from your home, office etc. You will send the Field Situation Report to your County Lead and KC7VBT.

We do understand that many are working or have other responsibilities during the exercise time frame. For those that need to, it will be okay to participate by submitting your Field Situation Report before the exercise starts and as early as the night before.

When the exercise is done please fill out the survey that is in this Play Book and email it to dgardner@clearwatercounty.org

2. Join together with other hams in your county via a Club and/or Ares group, to collect simulated situation report and send them to net control KC7VBT and the County Lead.

Where it is possible Clubs and ARES groups can work together. Most likely someone from this group will also be the Local County Lead. Your goal will be to submit a Field Situation Report for every member of your group. As Clubs/ARES, it is acceptable to have members submit their report via voice radio to a scribe. The reports will need to be complete including Lat & Lon.

How you work together will be up to your group.

3. Be the county lead and collect simulated situation reports and provide the information to the local County Emergency Manager.

This will be a main position. We need amateur radio operators who know how to use Winlink. This position can have more than one person filling the Lead role. In the larger populated counties, we highly recommend a team.

You will be responsible for:

- A. Collecting all Field Situation Report that are from your county.
- B. Using Winlink you will create a map and filter the data to show the type of reports.
- C. From the map you will create a Summary that can be given to the local County Emergency Manager
- D. You will generate a CSV file and a KML file that will be given to the local County Emergency Manager.
- E. Create a 309 Message Log to be turned into KC7VBT to become a part of our After Action Report.

If you can arrange to do this in the Local Emergency Management office/EOC that would be the best.

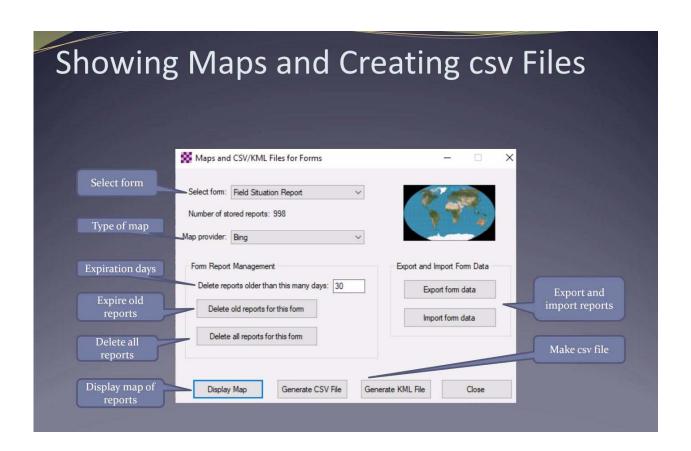
Note not all Emergency Managers will be available for this exercise. We will simulate these counties during the exercise.

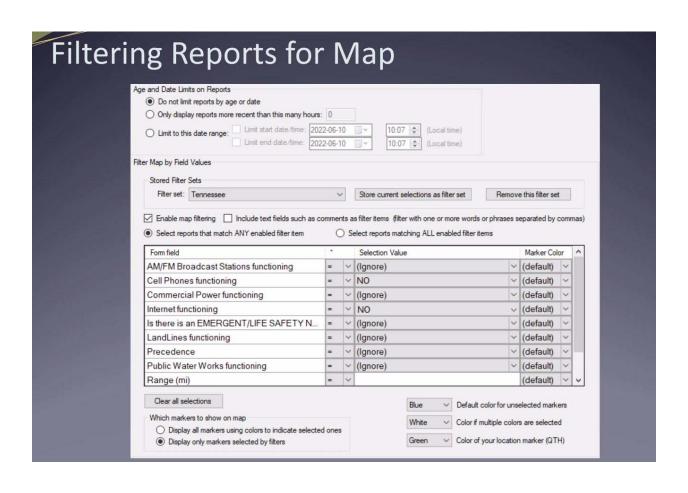
Here are some slides that will help you with your job. Please try to perform these steps before the exercise.

Reception of Reports With GIS Data

- When a message with an attached GIS data report is received by someone running Winlink Express, the information from the report is extracted from the message automatically and stored in a database.
- Messages do not need to be selected or viewed for the data to be added to the database; it's done when the message is downloaded.
- To generate maps and CSV files, click the "world" toolbar icon to get to the mapping control screen.

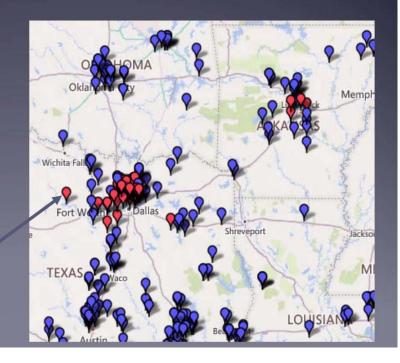






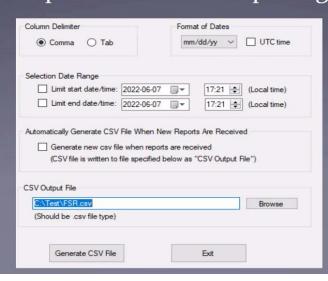
Mark No-Internet Reports in Red

Sender: KI5NXU Date/time: 2022-06-01 11:40 (local) Age: 89.1 days Message ID: GPND3OL57HPP Subject: //WL2K (P) - Priority/ Field Situation Repo Latitude Longitude: 32.8958 N 98.4583 W MGRS: 14SNB5066339865 Range and bearing: 699.0 mi @ 255 Precedence: (P) - Priority Agency: Task Number: 1.0 Is there is an EMERGENT/LIFE SAFETY Need?: NO City: Graford County: Palo Pinto State: TX Territory: Territory LandLines functioning: NO POTS or VOIP LandLines Comment: Cell Phones functioning: NO Cell phone Comment: AM/FM Broadcast Stations functioning: YE **Broadcast Station Comment:** TV Stations functioning: YES TV station Comment: -> Internet functioning: NO Internet Comment: Commercial Power functioning: YES



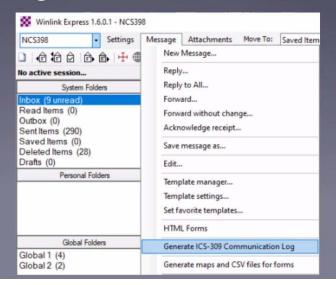
Generating CSV and KML Files

- In addition to the mapping and filtering built into Winlink Express, it can generate CSV and KML files automatically when new reports are received.
- You can set up automatic Telnet polling for reports.



ICS-309 Message Log

• In addition to mapping reports, you may want to generate a 309 message log showing all messages sent and received during an incident.



Generated 309 pdf File

			TASK # Winlink Express training session	DATE PREPARED: 01/24/22 TME PREPARED: 11:18	
OPERATIONAL PE	RIOD # To	day	TASK NAME: Dem	onstrate ICS-309 generation	
RADIO OPERATO	R NAME: P	hil		STATION LD. NCS398	
			LOG		
TIME	FROM	TO	SU	BJECT	
11/01/21 12:07	NCS398	NCS747	/WL2K R/ SPOTREP 2021-11-01 17:06:40Z		
11/01/21 14:16	NCS398	W4PHS	//WL2K R/ SPOTREP 2021-11-01 19:15:56Z		
11/01/21 14:24	NCS398	W4PHS	//WL2K R/ SPOTREP 2021-11-01 19:23:52Z		
11/24/21 14:34	NCS398	W4PHS	Express Check In [Exercise]-NCS398-Brentwood, TN		
11/24/21 16:25	NCS398	W4PHS	Express Check In [Exercise]-NCS398-Brentwood, TN		
11/24/21 19:04	NCS398	W4PHS	Express Check In [Exercise]-NCS398-Brentwood, TN		
11/28/21 19:34	NCS398	W4PHS	//WL2K R/ SPOTREP 2021-11-29 01:33:31Z		
11/30/21 13:55	NCS398	W4PHS	Express Check In [Net]-NCS398-Brentwood,	TN	
11/30/21 14:05	NCS398	W4PHS	Express Check in [Net]-NCS398-Brentwood, TN		
11/30/21 16:57	NCS398	W4PHS	Express Check In [Net]-NCS398-Brentwood, TN		
11/30/21 17:45	NCS398	W4PHS	test form data		
12/01/21 08:14	NCS398	W4PHS	Express Check In [Net]-NCS398-Brentwood, TN		
12/02/21 10:12	NCS398	W4PHS	/WL2K R/ SPOTREP 2021-12-02 16:09:35Z		
12/02/21 10:16	NCS398	W4PHS	/WL2K R/ SPOTREP 2021-12-02 16:14:54Z		
12/02/21 13:10	NCS398	W4PHS	/WL2K (R) - Routine/ SPOTREP 2021-12-02 19:08:14Z		
12/02/21 16:53	NCS398	W4PHS	Express Check In [Net]-NCS398-Brentwood,	TN	
12/02/21 16:55	NCS398	W4PHS	//WL2K (R) - Routine/ SPOTREP 2021-12-02	22:53:59Z	
12/02/21 19:54	NCS398	W4PHS	//WL2K (R) - Routine/ SPOTREP 2021-12-03	01:52:36Z	
12/02/21 19:55	NCS398	W4PHS	Express Check In [Net]-NCS398-Brentwood,	TN	
12/03/21 19:30	NCS398	W4PHS	Express Check in [Net]-NCS398-Brentwood, TN		
12/04/21 17:16	NCS398	W4PHS	Express Check In [Net]-NCS398-Brentwood, TN		
12/07/21 19:17	NCS398	W4PHS	Severe WX Report TN Williamson [First Report]		
12/10/21 10:35	NCS398	W4PHS	//WL2K (R) - Routine/ SPOTREP 2021-12-10 16:34:44Z		
12/11/21 09:34	NCS398	W4PHS	Test report		
12/13/21 12:07	W4PHS	NCS398	Express Check Out [Net]-W4PHS-Brentwood	, TN	
12/13/21 12:07	W4PHS	NCS398	//WL2K (R) - Routine/ SPOTREP 2021-12-13	18:06:18Z	
12/15/21 08:50	NCS398	W4PHS	Severe WX Report TN Williamson [First Report TN Williamson	ort]	

PARTICIPANT FEEDBACK FORM

At the end of the exercise fill out this form

Exercise	Name:	October's Surprise	Exercise Date: October 5, 2022			
Participant Name:) :	Title/Call Sign:			
Agency:	agency:Role:					
Exercise improver	-	ves. List the top 3 Succ	esses and any issues areas that need			
1.	Local En	mergency Management I	Amateur Radio volunteers with participating EOC's by successfully sending messages via system while using prescribed			
2.	develop	ment of a common opera	nateur Radio to deploy and support ating picture and situational assessment then Emergency Management EOC's and the			
3.	coordina	. ,	ur Radio volunteers to maintain a unified and e when supporting local Emergency onal information.			
4.	Identify	steps that could be taker	n to address any issues identified above.			

Exercise Design

What is your assessment of the exercise design?

Please rate, on a scale of 1 to 5, your overall assessment of the exercise relative to the statements provided below, with 1 indicating strong disagreement with the statement and 5 indicating strong agreement.

Rating of Satisfaction with Exercise

Assessment Factor	Strongly Disag	ree		Strong	gly Agree	
a. The exercise was well structured and organized.	1	2	3	4	5	
b. The exercise scenario was plausible and realistic	. 1	2	3	4	5	
c. The documentation used during the exercise was a valuable tool throughout the exercise.						
	1	2	3	4	5	
d. Participation in the exercise was appropriate for someone in my position.						
	1	2	3	4	5	

What changes would you make to improve this exercise?

Please provide any recommendations on how this exercise or future exercises could be improved or enhanced.

When finished email to Don Gardner - dgardner@clearwatercounty.org