In this Winlink Thursday Exercise for December 1st, 2022, you will:

- Use Winlink Express to create and send a Local Weather Report form. This form is used to report essential basic weather information from a specific location.
- Use information from the National Weather Service, Canadian Weather Service, credible weather reporting services, or your own weather station or devices.

Some reminders, especially for New Arrivals to ETO:

- Read and Follow the Instructions **PRECISELY**. Details are sometimes missed in the reading, and some of our assignments can be tricky!
- Make Sure you Address the Correct Clearinghouse for Your Geographic Location (especially if you're temporarily in a different region)
    - Our Tactical Addresses are all formatted as "ETO-nn", where nn is *always* either a 2-digit number ("01", "03", …, "10"), "CAN" for Canadian participants, or "DX" for all others.
    - Make sure you type a ZERO, not the letter "O", in the 2-digit number.
    - If you don't know your Clearinghouse's Tactical Address, Use this web page to look it up: https://emcomm-training.org/More_Info.html#Maps
- Suggestion: Put your own "normal" Email Address in the CC box, so that you receive a copy in your non-Winlink Email, as another confirmation that your Winlink message was sent out correctly.
- IMPORTANT! Always restart Winlink Express to ensure that you have the current version and the latest Template update. The Winlink Development Team (WDT) is constantly updating the Templates. Always accept form updates (if offered, when starting up Winlink Express) before starting an exercise.
- ETO exercises are designed to be completed using the Winlink Express client in a Windows environment. If you choose to use any other Winlink Client Program, your results may vary, and your response may not be mapped or graded as Correct.
- Avoid common errors as outlined on our website: https://emcomm-training.org/Winlink_Thursdays.html

Continue to the next page for the instructions.

Exercise Instructions:

This exercise plays a part in recognizing the National Weather Service (NWS) through their Skywarn Recognition Day (SRD) which takes place December 2 and 3rd 2022. SRD has been dormant for the last couple of years because of the epidemic but has returned this year. Historically Skywarn Recognition Day is a popular and well attended activity.

https://www.weather.gov/crh/skywarnrecognition

In this exercise you will complete a **Local Weather Report** and provide two additional pieces of information.

1.) **The location of the National Weather Service office** – City, State – for your location.

2.) **Will you be participating in Skywarn Recognition Day activities** – Yes or No.

You will provide these two answers in the Notes area at the bottom of the form.

We use software tools to help us in a timely manner to grade all of the responses for an exercise. To be timely and accurate (and to get a good grade) it is imperative for you to answer in a precise way. Precision is also necessary for conciseness and accuracy in any real message one might be conveying in a real EmComm event.

Bear in mind that the weather information fields in the document will also be the kind of information that one will likely convey over radio (typically HF) to the net control operators who are active at a typical NWS office for Skywarn Recognition Day.

Resources for collecting local weather information:

- National Weather Service:
  https://weather.gov

NOTE: In the upper left-hand portion of the weather.gov home page is an entry box for entering your ZIP code. If you don't already know the city and state of your regional National Weather Service office, you can find it by entering your ZIP code.

- Government of Canada:
  https://weather.gc.ca/mainmenu/weather_menu_e.html
  (There are local break-outs for cities in the provincial maps)

- Use personal resources or devices (weather station)
  See the Beaufort Scale below for estimating wind speed

1. Open the Winlink Express application
2. Click on Create a "New Message".
3. Click on "Select Template" and then double click on "Standard templates".
4. Scroll down and Double Click on "Weather Forms".
5. Select "**Local Weather Report**" and double click on it to open it.

6. In the top section:
    a. In Setup enter "**Winlink Thursday Exercise"**
    b. Enter call sign, time/date, name, and location information
    c. Enter your Latitude and Longitude
7. In the Weather Section:
    a. For "Measurement Used", select the measurement system for your location.
    b. Complete the Current Local Weather Conditions for Temperature and Wind speed.
       (Minimum required fields are high-lighted in Yellow on the following page.)
    c. To the extent your resources allow, fill in the remainder of the weather information.
       For actual incidents it is important to provide all the weather information that you can get.
    d: In the Optional Notes field:
        First line: Enter the City and State abbreviation separated by a comma where your
                 NWS office is located
        Second line: Enter either YES or NO to indicate if you are going to participate in Skywarn
                 Recognition Day.
        DO NOT number the lines or make other entries. See the example on the next page.
        Save your entries using the [Save Local WX Data] button, if you wish.
8. Click on the Submit button.

9. Close the browser.
10. Enter your ETO clearing house address in the To: line.
11. Enter your internet email address in the CC: line.
12. Click on "Post to Outbox" on the menu bar.
13. Check the Outbox folder to verify your message is in the Outbox.
14. Select your session type from the drop-down list to the right of the Open Session button.
15. Click the Open Session Button.
16. The Open Session Window will open. Click Start to send your message.

Beaufort No.	Description of wind	Observation	Wind Speed			
			m/s	mph	knots	ft/min
0	Calm	Smoke rises vertically. The sea is mirror smooth.	0 - 0.15	0 - 0.3	0 - 0.5	0 - 25
1	Light Air	Direction of wind shown by smoke drift but not by vanes. Scale-like ripples on sea, no foam on wave crests.	0.15 - 2.7	0.3 - 6	0.5 - 3	25 - 525
2	Light Breeze	Wind felt on face, leaves rustle, ordinary vanes moved by wind. Short wavelets, glassy wave crests.	2.7 - 3.6	6 - 8	3 - 7	525 - 700
3	Gentle Breeze	Leaves and small twigs in constant motion, wind extends light flag	3.6 - 7.2	8 - 16	7 - 10	700 - 1400
4	Moderate Breeze	Raises dust and loose paper, small branches moved. Fairy frequent whitecaps occur.	7.2 - 8.9	16 - 20	10 - 15	1400 - 1800
5	Fresh Breeze	Small trees in leaf begin to sway. Moderate waves, many white foam crests.	8.9 - 12.5	20 - 28	15 - 21	1800 - 2500
6	Strong Breeze	Large branches in motion, whistling heard in telegraph wires. Some spray on the sea surface.	12.5 - 14.5	28 - 32	21 - 27	2500 - 2800
7	Moderate gale	Whole trees in motion, inconvenience felt when walking into wind. Foam on waves blows on streaks.	14.5 - 20	32 - 44	27 - 33	2800 - 3900
8	Gale	Twigs broken of trees, generally impeded progress. Long streaks on foam appear on sea.	20 - 22	44 - 50	33 - 40	3900 - 4400
9	Strong gale	Straight structural damage, e.g. slates and chimney pots removed from the roofs. High waves, crest start to roll over.	22 - 28	50 - 62	40 - 48	4400 - 5450
10	Storm	Trees uprooted, considerable structural damage. Exceptionally high waves, visibility affected.	28 - 31	62 - 70	48 - 55	5450 - 6150
11	Violent Storm	Widespread damage	31 - 37	70 - 82	55 - 63	6150 - 7200
12	Hurricane	Air is filled with spray and foam.	> 37	> 82	> 63	> 7200

CURRENT LOCAL WEATHER CONDITIONS

Setup   Click to add your agency/group name to title   Load Local WX Report Data

Call sign: Observer Name:

Report Date/Time (local): 2022-11-23 14:36:24   Location: Street name or known closest landmark

City: State: County:

Latitude and longitude: LAT ex: 38.5567   LON ex:-121.7932   MGRS Ex:11SNR0184195204   Grid {GridSquare}

Auto filled if GPS device is working in Express, or you can enter Latitude and Longitude / MGRS coordinates manually.
For accurate mapping you must enter the latitude and longitude.

If sending report for someone else, do not use your GPS Lat/Lon, obtain theirs if available and manually enter in decimal format.

Measurements used: ⦿ Metric   ◯ Imperial ⟵ **Enter as appropriate**

Current Conditions: Check all that apply

☐ CLEAR   ☐ RAIN   ☐ THUNDER STORM   ☐ HAIL
☐ SNOW   ☐ BLIZZARD   ☐ TORNADO   ☐ HURRICANE
☐ FOG   ☐ CLOUDY

Temperature _____ °C   HUMIDITY: _____ %   DEWPOINT _____ °C

Barometer _____ millibars   Three hour trend ◯ RISING ◯ STEADY ◯ DROPPING

Cloud cover description: _____

Wind Speed: _____ KM/h Estimated ⌄   Direction From: Select Direction ⌄

Wind Gusts: _____ KM/h Wind Gusts MAX: _____ KM/h

Rain 1 HR: _____ millimeters   Rain Total: _____ millimeters

Snow 1 HR: _____ centimeters   Snow Total: _____ centimeters   Water Content: _____

NWS Level: NONE Issued ⌄ _____

Notes: (optional)

Anything of importance, damages noted, or weather type not indicated in above form.

Mayberry, NC ⟵   Enter the city and state separated by a comma
YES ⟵   where your NWS office is located.

                                      Enter YES or NO to indicate if you are going to
                                      participate in Skywarn Recognition Day.

                                      DO NOT number the lines or make other entries.

Save Local WX Data   Reset Form   Form Concept by KF5SMH   Ver 2.9.2