

# WELCOME

**Introduction to ARES**

**Amateur Radio Emergency Services**

**Presented by Fred Halley, W2EMS,**

**Section Emergency Coordinator,**

**ARRL Eastern New York Section**





# East Greenbush Amateur Radio Association



A 501C3 Non-profit Organization

- VE Test Sessions where you can upgrade your license;
- Annual Holiday Party! A December tradition of fun, food, friends and raffles!
- Elmers to help you learn. Senior members of EGARA are a great resource for answering your questions and helping you hone your ham radio skills;
- Involvement in community events and emergency communication services, a foundation of ham radio and EGARA. When emergency communications are needed, EGARA members are there to help.

Fields marked with \* on the application form below indicate information required to process your membership.

# Amateur Radio Emergency Service<sup>®</sup> (ARES)

- The Amateur Radio Emergency Service (ARES) was created in 1935 by the American Radio Relay League (ARRL) to provide any type of radio communications support to public service agencies such as the Red Cross and the National Weather Service (NWS).

# Amateur Radio Emergency Service<sup>®</sup> (ARES)

- The Federal Communications Commission (FCC) established Part 97 of their rules “to provide an amateur radio service having a fundamental purpose as expressed in the following principles”
- (a) Recognition and enhancement of the value of the amateur service to the public as a voluntary noncommercial communication service, particularly with respect to providing emergency communications.
- (d) Expansion of the existing reservoir within the amateur radio service of trained operators, technicians and electronics experts. Ham radio operators have their own equipment and frequencies that can supplement those of public service agencies in time of need.

# Amateur Radio Emergency Service<sup>®</sup> (ARES)

- The Amateur Radio Emergency Service<sup>®</sup> (ARES) consists of licensed amateurs who have voluntarily registered their qualifications and equipment, with their local ARES leadership, for communications duty in the public service when disaster strikes.

# ARRL Divisions

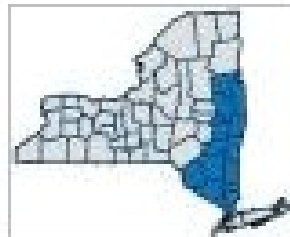


# Hudson Division





# Hudson Division



ARRL SECTION  
**Eastern New York**

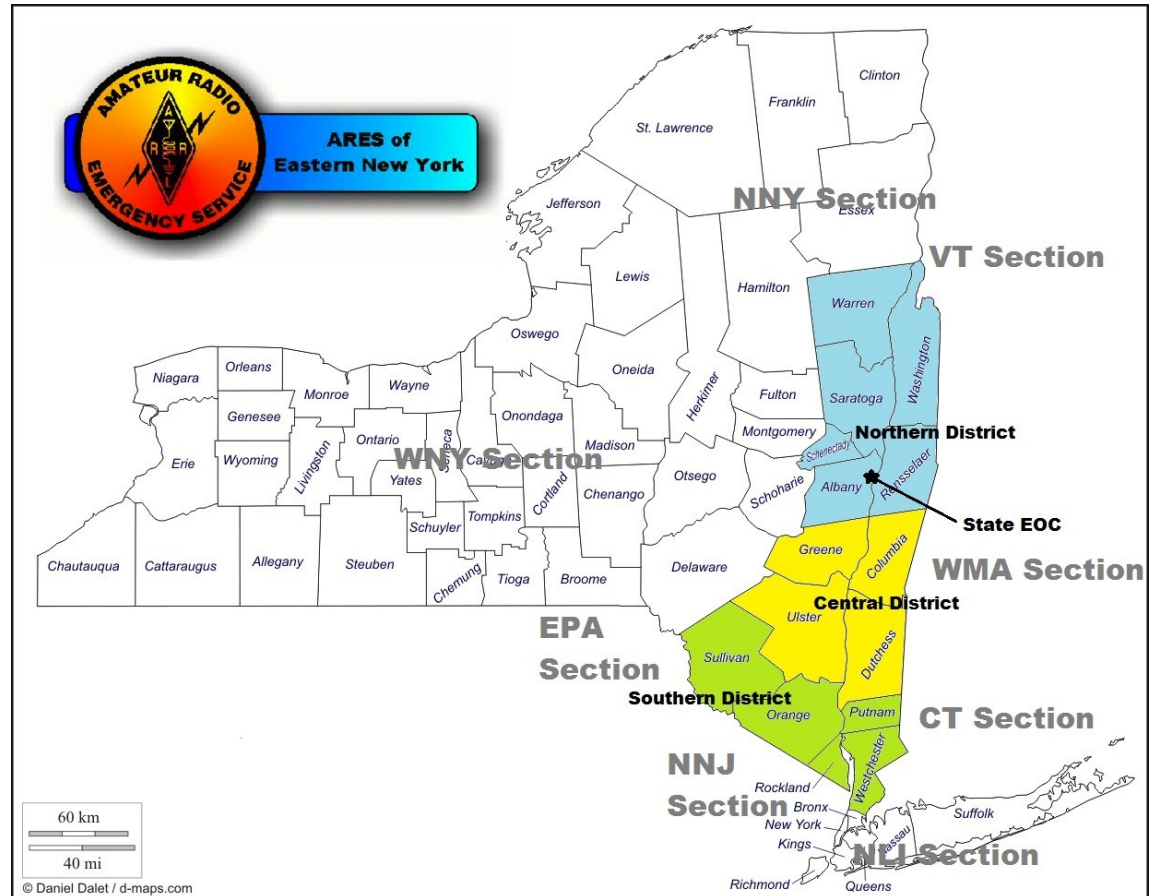


ARRL SECTION  
**New York City-Long  
Island**

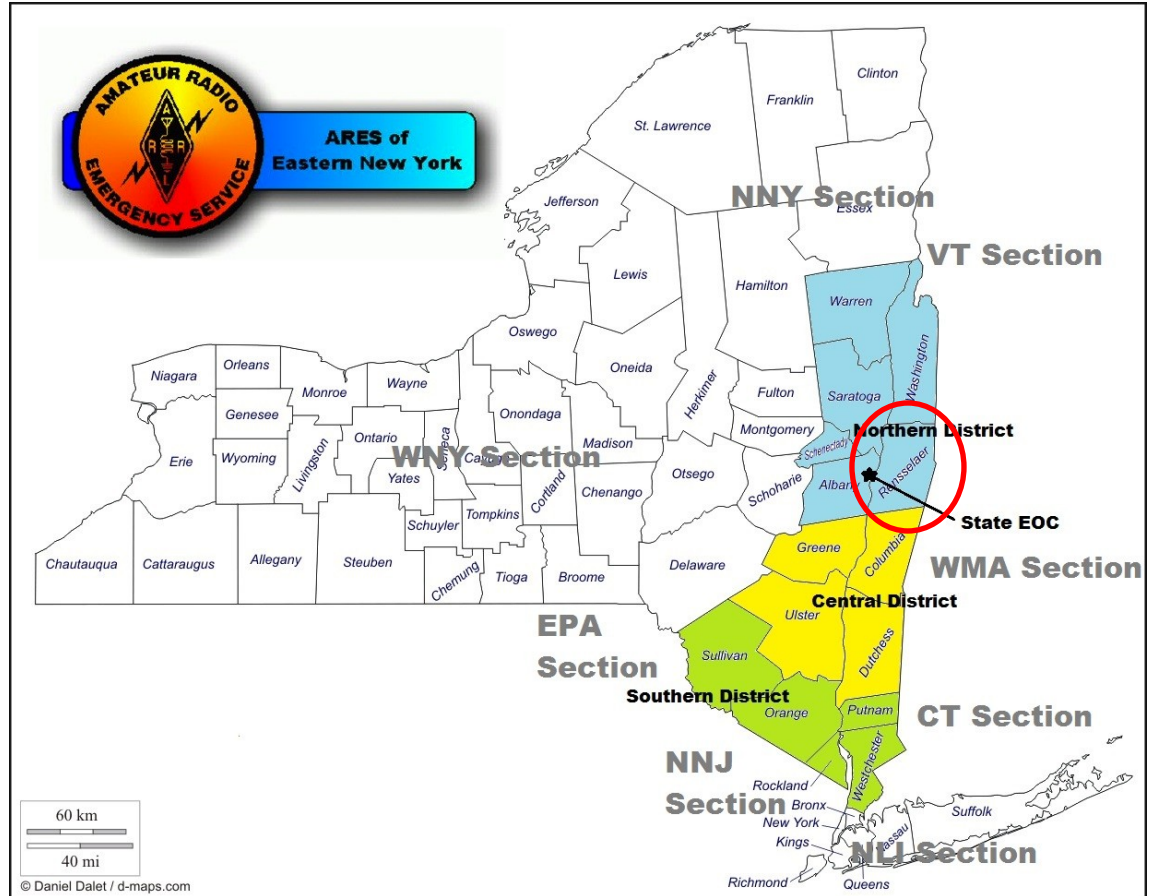


ARRL SECTION  
**Northern New Jersey**

# Eastern New York Section (ENY)



# Eastern New York Section (ENY)



# ENY Section Contacts

## Section Manager

- John Fritze, K2QY
- Delmar, NY
- (401) 261 4996 (cell)
- [K2QY@arrl.net](mailto:K2QY@arrl.net)

## Section Emergency Coordinator

- Fred Halley, W2EMS
- Clifton Park, NY
- (518) 505-3733 (cell)
- [W2EMS@arrl.net](mailto:W2EMS@arrl.net)

## Northern District Emergency Coordinator

- Kathryn (Kate) Jones
- Clarksville, NY
- (518) 496-5063
- [KD2ROS@gmail.com](mailto:KD2ROS@gmail.com)

## District Organization

Northern District					
<a href="#">Albany</a>	<a href="#">Rensselaer</a>	<a href="#">Saratoga</a>	<a href="#">Schenectady</a>	<a href="#">Warren</a>	<a href="#">Washington</a>

## District Leadership

District Emergency Coordinator: Kate Jones WY2Q  
Assistant DEC: David Gealt KD2BVA  
Assistant DEC: Tom Stewart KC2FCR  
Assistant DEC: Jerry Murray WA2IWW  
Assistant DEC: Karen Smith KS2O

## District Repeater Frequencies

Primary District Repeater (SKYWARN PRIMARY): 147.375+ (100 PL)  
Secondary District Repeater: 146.940-

## Hamshack Hotline

Northern District Bridge: 1404 (PIN 9111)  
ALY SKYWARN Bridge: 1396 (PIN 2092)

## Jurisdictions

NYDHSES Region: III  
NWS Forecast Office: ALY (Albany)

ENY  
Northern  
District



ENY  
Northern  
District



**Amateur  
Radio  
Groups in  
Rensselaer  
County**

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East Greenbush ARA

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Troy ARA

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Rensselaer County ARES/RACES

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Hoosick ARC

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Rensselaer Polytechnic Institute  
(RPI)



# Rensselaer County

## County Leadership

Emergency Coordinator: Mike Shanahan WO2H  
Assistant EC: Randy Stein KL7TJZ  
Assistant EC: Tom Stewart KC2FCR  
Assistant EC: Karen Smith KS2O

## Links

County ARES Emergency Plan:  
Website: [www.k2ren.com](http://www.k2ren.com)

## County Repeater Frequencies

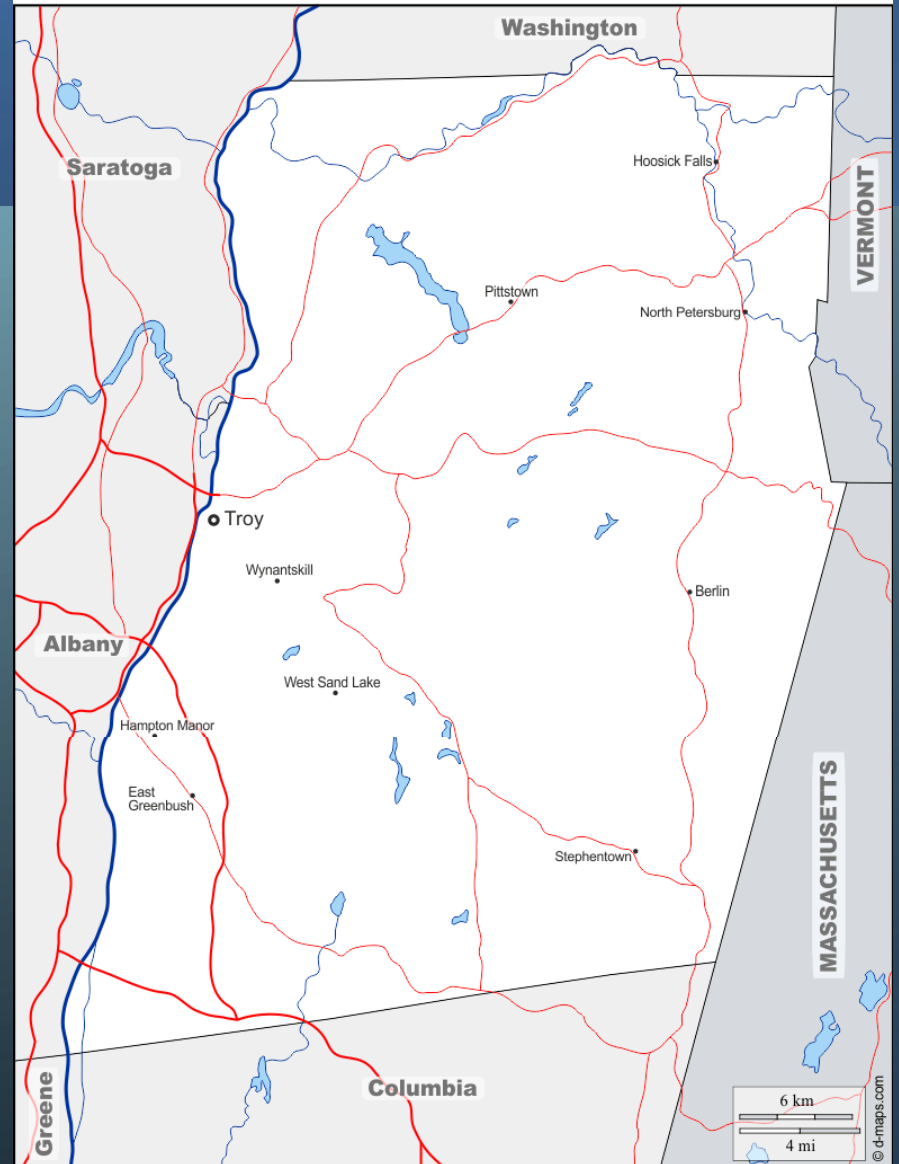
Primary ARES/RACES Repeater: 147.18+ (100PL)  
Secondary ARES/RACES Repeater: 146.76- (103.5PL)  
Simplex ARES/RACES Frequency: 146.550  
Backup Simplex Frequency: 147.550

## Nets

Training Net: Thursday 7:30PM 147.18+ (100PL) Exc. 3rd Thur.

## Hamshack Hotline

Rensselaer County Bridge: 1397 (PIN 0435)  
WO2H: 4233



# ARRL INFORMATION

## ARES E-Letter

- <http://www.arrl.org/FandES/field/ares-el/?issue=2024-02-21>

## ARRL E-Letter

- <http://www.arrl.org/arrlletter/?issue=2024-03-07>

## ARES Field Resources Manual

- [https://www.arrl.org/files/file/ARES\\_FR\\_Manual.pdf](https://www.arrl.org/files/file/ARES_FR_Manual.pdf)

## Hudson Division

- <https://hudson.arrl.org/>

## ENY Section

- <http://ENY.ARRL.org>



### Form 2 - ARES Monthly DEC/EC Report

Use this form to enter your monthly Local Emergency Coordinator's Report for your assigned jurisdiction. You may save a partial your report when it's complete. [Instructions](#)

1. Section: Eastern New York ▼ 2. Month/Year: February 2024 ▼ 3. Jurisdiction:

4. Total number of ARES members:

5. Number of ARES net sessions held:

6. Number of ARES net sessions held with NTS liaison:

7. Number of participants in nets:

8. Activity Details:

	Number	Person-Hrs
9. Exercises this month:	<input type="text"/>	<input type="text"/>
10. Training events this month:	<input type="text"/>	<input type="text"/>
11. Public service events this month:	<input type="text"/>	<input type="text"/>
12. Community service events this month:	<input type="text"/>	<input type="text"/>
13. Emergency events this month:	<input type="text"/>	<input type="text"/>
14. SKYWARN events this month:	<input type="text"/>	<input type="text"/>
15. Meetings this month:	<input type="text"/>	<input type="text"/>
16. Unclassified events this month:	<input type="text"/>	<input type="text"/>

17. Administrative and Other Comments:

# ARES Activity Reporting



### Show ARES Report

Print this page

Edit report

Report: Form 4

Division: Hudson

Section: Eastern New York

Month/Year: February 2024

History: Reported by Fred Halley, W2EMS, SEC on 2024-03-12 00:35:14 UTC

Total number of ARES members:	216
Difference in ARES members from previous month:	N/D
Number of DECs/ECs reporting this month:	9
Total number of DECs/ECs appointed in section:	16
Number of ARES net sessions held:	56
Number of ARES net sessions held with NTS liaison:	5
Number of participants in nets:	119

	Number	Person-Hrs
Exercises this month:	10	84.00
Training events this month:	14	31.00
Public service events this month:	2	5.00
Community service events this month:	15	26.20
Emergency events this month:	0	0.00
SKYWARN events this month:	30	34.50
Meetings this month:	8	72.40
Unclassified events this month:	10	7.50

#### Call signs of DECs/ECs reporting:

AC2GC, AE2AN, K2IRM, KD2BVA, KD2ROS, N2GOP, W2EMS, WA2KLP, WO2H

# ARES Activity Reporting

# The Value of ARES

## ARES Form 4 YTD by FEMA Reg Summary - Through Dec 2023

Form 4 Submissions | YTD by Sections Summary | YTD by State Summary | YTD by FE

Year: 2023

FEMA Region	ARES Mem-Months	ARES Events	Person Hours	Volunteer Value
I - ME,VT,NH,MA,RI,CT	11,300	705	6,731	214,064
II - NY,NJ,PR,VI	13,424	2,548	16,640	529,163
III - PA,WV,MD,DE,VA,DC	30,688	9,824	88,240	2,806,032
IV - KY,TN,MS,AL,GA,SC,NC,FL	22,660	13,417	147,659	4,695,561
V - MN,WI,MI,IN,IL,OH	39,954	36,884	323,967	10,302,169
VI - NM,TX,OK,AR,LA	26,642	2,777	44,564	1,417,164
VII - NE,KS,IA,MO	10,644	2,465	142,945	4,545,660
VIII - MT,ND,SD,WY,CO,UT	1,277	185	1,156	36,773
IX - CA,NV,AZ,HI,PAC	6,869	1,279	16,459	523,421
X - WA,OR,ID,AK	3,950	860	11,017	350,353
<b>Totals</b>	<b>167,628</b>	<b>71,243</b>	<b>800,868</b>	<b>\$25,467,628</b>

Note: Value of volunteer hours based on \$31.80/hr

# The Value of ARES

- Delmar Duathlon
- Rexford Duathlon
- Schenectady Holiday Parade
- Capital District Commuter NET
- Pumpkin Patrol
- Tour-de-Cure
- ADK Marathon
- Niska-Day Parade
- Mohawk Hudson River Marathon & Half Marathon
- Jamboree on the air
- Lions Club Duathlon
- MS Walk-a-thon
- MS Hudson River Ramble (Bike)
- Apple Run, O'ROURKE MIDDLE SCHOOL
- Eclipse 2024



# Amateur Radio Emergency Service®

## ARES® Registration Form

Name:	
Call Sign:	
Mailing Address:	
City, State, ZIP code:	
e-mail address(es):	
Home phone number:	
Work phone number:	
Cell phone number:	
License Class:	

Check bands and modes that you can operate:

MODE	HF	6 meters	2 meters	222 MHz	440 MHz	Others
SSB	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
CW	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
FM	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
DATA	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
PACKET	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Other modes (specify below)						
Mobile Operation						

Can your home station be operated without commercial power? Yes  No

Signature \_\_\_\_\_ Date \_\_\_\_\_

Contact ARES® and ARRL Section Leaders in your area: [www.arrl.org/sections/](http://www.arrl.org/sections/).  
Learn about ARRL-sponsored Amateur Radio Emergency Communications Courses:  
[www.arrl.org/online-course-catalog](http://www.arrl.org/online-course-catalog)

**ARRL ARES**  
**Online App**  
**lication**





# Asset Records

## Asset Total Record counts and report links

4 Wheel Drive Records: 152 [\[List\]](#)

Hi Capacity Vehicle Records: 44 [\[List\]](#)

Generator Records: 107 [\[List\]](#)

ATV Records: 30 [\[List\]](#)

Mag Mount Records: 170 [\[List\]](#)

Portable Beam Antenna Records: 30 [\[List\]](#)

Digital Weather, WEFAX, EMWIN Records: 9 [\[List\]](#)

Portable Mast Records: 62 [\[List\]](#)

Computer Records: 247 [\[List\]](#)

Exotic Records: 13 [\[List\]](#)

Snowmobiles [\[List\]](#)

Additional Asset Records: 23 [\[List\]](#)

Number of ARES members with a additional listed asset: 23

# ARES Training

- **Three levels of training will allow ARES® participants to enter the program and migrate to higher levels of qualification and service.**
- **Level 1** — This is the primary level for those who choose a non-leadership role as well as those new to Amateur Radio or emergency communications.
- **Level 2** - This level shows mastery of a set of basic skills desired by ARES® obtained through coursework and training.
- **Level 3** — This level of training prepares ARES participants to take on leadership positions such as EC, ADEC, DEC, ASEC, and SEC, and other designated positions in the ARES® program.
- Training units are structured in "Task book" form similar to that used in qualification for several FEMA Incident Command System (ICS) positions. Each level requires successful completion of the previous level. ARES® Leaders should complete the activities at each level prior to signoff of member task books. Level requirements are based entirely on free online FEMA and ARRL courses with demonstration of skills to the satisfaction of qualified ARES® leaders. FEMA Online training is available at the FEMA Emergency Management Institute. EMI courses require a free FEMA Student Identification Number available here. Links to ARRL training are found further down on this page. Certificates showing successful completion of a course will be accepted for task book signoff purposes.

# ARES Training

## ARES® STANDARDIZED TRAINING PLAN



## ARES® EMERGENCY COMMUNICATOR INDIVIDUAL TASK BOOK

Task Book Assigned To:

Name: \_\_\_\_\_ Call: \_\_\_\_\_

ARES® Group: \_\_\_\_\_

Phone Number: \_\_\_\_\_ Email: \_\_\_\_\_

Task Book Initiated By:

ARES® Leader's Name: \_\_\_\_\_ Call: \_\_\_\_\_

Title: \_\_\_\_\_ ARES Group: \_\_\_\_\_

Phone Number: \_\_\_\_\_ Email: \_\_\_\_\_

Initiated:

Location: \_\_\_\_\_ Date: \_\_\_\_\_

# ARES Training

- **Core FEMA Courses**
  - [IS-100.C: Introduction to the Incident Command System](#)
  - [IS-700.B: An Introduction to the National Incident Management System](#)
  - [IS-200.C: Basic Incident Command System for Initial Response](#)
  - [IS-800.D: National Response Framework, An Introduction](#)

# ARES Training

Course Number	Course Name
EC-001	<p data-bbox="906 222 1441 251">Introduction to Emergency Communication</p> <p data-bbox="906 294 1147 322"><b>Course Overview:</b></p> <ul data-bbox="915 365 1785 786" style="list-style-type: none"><li data-bbox="915 365 1785 472">• EC-001 courses follow the schedule listed in the Registration section below. To learn more about the course, including pre-requisites, <a href="#">click here</a></li><li data-bbox="915 515 1785 586">• EC-001 is offered in an on-demand format and can be started and completed at any time. No additional course materials are needed.</li><li data-bbox="915 629 1785 786">• Completion of EC-001 is required for completion of the Level 2 portion of the Amateur Radio Emergency Service® (ARES) Emergency Communicator Individual Task Book. To download a free copy of the Task Book: <a href="http://www.arrl.org/ares">http://www.arrl.org/ares</a></li></ul> <p data-bbox="906 843 1083 872"><b>Registration:</b></p> <ul data-bbox="915 915 1460 943" style="list-style-type: none"><li data-bbox="915 915 1460 943">• EC-001: <a href="#">Click here</a> to register for EC-001</li></ul> <p data-bbox="906 1001 1804 1108"><b>Course Access:</b> After registering students can then access EC-001 at any time. Click on the link below to go to your Student Course History then click on Enter Course on the right:</p> <ul data-bbox="915 1150 1180 1179" style="list-style-type: none"><li data-bbox="915 1150 1180 1179">• <a href="#">Begin your course</a></li></ul> <p data-bbox="906 1236 1673 1265">If you need assistance with registration contact <a href="mailto:CEP@arrl.org">CEP@arrl.org</a></p>

# ARES Training

## Simulated Emergency Test (SET)

The ARRL Simulated Emergency Test is a nationwide exercise in emergency communications, administered by ARRL Emergency Coordinators and Net Managers. Both ARES and the National Traffic System (NTS) are involved. The SET weekend gives communicators the opportunity to focus on the emergency communications capability within their community while interacting with NTS nets. SET weekend is held in October and is announced in QST.

# 2024 Simulated Emergency Test Overview

This year's Simulated Emergency Test (SET) will be different than in past years.

There will be no "scoring" system in place for this year's SET. We will be concentrating on skills rather than points.

There will be a few options for each county to participate on a section wide basis. Each county can participate at whatever level they feel comfortable, from not participating at all to full participation in all activities.

Also, each county can develop and execute a county SET plan. Counties executing their own plan will be asked to document their plan and participate in the post-SET hot wash to explain what they learned this year.

This year there will be four skills for counties to work to achieve:

- **WINLINK HF**
  - Sending Winlink messages to the NYSEOC (KC2FTD)(The Bunker)
  - Sending Winlink messages to the ENYSEC
  - NOTE: If you are sending a message to a non-Winlink address be sure to check the box to convert the message to PDF before sending it.
  - **Vara HF is preferred but, Vara FM is acceptable. Please do not use message sending over the internet.**
- **HF short range communications**
  - Communication on 40 Meters HF via NVIS or another short-range communications antenna. The NYS EOC has a wide range of HF capabilities, if we need to change to a different frequency or an entirely different band.  
**Watch your email for updates and changes while the SET exercise is in progress.**
- **2-meter and linked repeater communications**
  - Access the 147.375 + (PL 100) repeater and provide a situation report
  - Call sign, Radio and antenna type, and Location
  - Access the N2ACF linked repeater system and provide a situation report  
Call sign, Radio and antenna type, and Location
- **ICS forms**
  - Use various ICS forms to send via Winlink or just to better understand the use of these forms. Hands on practice is encouraged.
    - ICS-214 Activity Log
    - ICS-205 Incident Radio Communications Plan
    - ICS-208 Safety message/Plan
    - ICS-213 General Message
    - ICS-201 Incident Briefing
    - ICS-204 Assignment List
    - ICS-211 Incident check-in
    - ICS-309 Communications log

# ARES Training



## Field Day 2024 (June 22-23)

Every June, more than 40,000 hams throughout North America set up temporary transmitting stations in public places to demonstrate ham radio's science, skill and service to our communities and our nation. It combines public service, emergency preparedness, community outreach, and technical skills all in a single event. Field Day has been an annual event since 1933 and remains the most popular event in ham radio.



# ARES Training

## SKYWARN

### Online Spotter Training Course

This course covers the basics of being a SKYWARN Spotter. The goal of the course is to provide baseline training for all spotters through multiple modules covering the procedures for spotting (including communication and spotter report criteria) and safety considerations for all hazards.

Be aware that many National Weather Service (NWS) offices require training in addition to this online course.

For questions or more information about the SKYWARN Spotter program of the NWS, visit

**[SKYWARN Training](#)**

Fred Halley, W2EMS  
ENY - Section EC  
[W2EMS@ARRL.NET](mailto:W2EMS@ARRL.NET)  
518-505-3733

Questions

Comments

Thoughts

Ideas

**End of presentation**