



# ARES Meeting Agenda - 07/20/22

- Welcome
- Emergency Expo
- Infrastructure Activities
- Training Documentation
- How to sign up for a FEMA SID
- How to take FEMA IS Courses Online
- Install Winlink and Create an Account
- Midwest SuperFest
- Chicago Marathon
- ARES Net Reminders



# Welcome to any Guests

- Thanks for joining us tonight
- ARES - Amateur Radio Emergency Service
- For those new to ARES, we do 3 major things:
  - Severe Weather – Storm Spotting
  - Communications Support for Community Events
  - Emergency Communications for Served Agencies
- Major Tools that we utilize:
  - Ham Radios, typically VHF and/or HF gear
  - Winlink Express software for over-the-air email messages
  - Internet Email and text messaging for inter-team communications
- Training – much more to ARES than holding a mic and talking



# Emergency Expo

- We participated again this year
- Thanks to everyone who came out
- Talked to numerous members of the public
- Lots of interest and questions regarding license testing – good signs for the future of ham radio



# Infrastructure Activities

- VHF Station at the Bunker
  - Power Supply Issue has been resolved
  - A working Kenwood D710 Radio has been installed
  - All Computer Software has been updated
  - Proved this radio can run VHF Winlink Peer-to-Peer
  - In process of selecting and testing a new frequency
- HF Station at the Bunker
  - Yaesu FT-950 Radio works on Receive
  - Plan to install a End Fed NVIS to test transmit
  - Then install computer and soundcard for HF Winlink



# Training Documentation

- I sent an email on 06/15 with a form to be completed showing your training completion dates
- I have received only 5 forms
- FEMA Course dates should be in your email or on certificates - Guessing at other dates is OK
- Does not matter which letter version of IS Course you completed
- It is OK to simply report that you have nothing completed, some folks are just starting out
- Some folks only want to do Level 1 items, that is fine for weather spotting and community service events



# Finding FEMA IS Course Dates

- If you don't have hard copies of your certificates, and can't find in your old emails, here is an option – this technique worked for me – BUT CAN BE A BIT FUSSY.
- Go to the FEMA Emergency Management Institute Student Portal at:
- <https://training.fema.gov/student/sssp.aspx>
- *“The Student Self Service Portal allows students to list their course completions and print certificates from a list.”*
- Worked on my iPhone, and on my Windows laptop – use all CAPITAL LETTERS for your name and city



# Finding FEMA IS Course Dates

- Scroll down the page to find the following fields, then enter your information

**First Name:**

**Last Name:**

**Valid 10 Digit Student Identification (SID) Number:**

**Enter your city of birth as entered in your SID profile:**

**Submit**

- A listing of your course information will appear



# Level 1 Training

## Education

IS-100.c – Intro to Incident Command System	Optional
IS-700.b – Introduction to National Incident Mgt. System	Optional
SKYWARN - Spotter Basic Training (Biennially)	Required
ARRL EC-001 Introduction to Emergency Communications	Optional

## Participation

Join an ARES Group	Required
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## Proficiency

<del>Obtain Technician class or higher Amateur Radio License</del>	<del>Required</del>
Winlink – Install Software and use the Telnet Mode	Optional



# Level 2 Training

## Education

IS-100.c – Intro to Incident Command System	Required
IS-200.c – ICS for Single Resource	Required
IS-700.b – Introduction to National Incident Mgt. System	Required
IS-800.c – National Response Framework	Required
ARRL EC-001 Intro to Emergency Communications	Required
SKYWARN Spotter Basic Training (Biennially)	Optional

## Participation

Net Participation (Once per Quarter)	Required
Public Service Event Participation	Encouraged
Simulated Emergency Test or Exercise Participation (Annually)	Optional
Serve as Net Control	Encouraged
Participate regularly in the Weekly Winlink Exercise	Encouraged

## Proficiency

Program tone into HT	Required
Program frequency & offset into radio	Required
Write and send an ICS-213 message	Required
Build a simple dipole antenna	Encouraged
Build Powerpole® adapter cable	Encouraged
Solder PL259 connector to coax	Encouraged
Assemble a 24-hour Deployment Kit	Encouraged
Winlink – Demonstrate use via RF (Packet, ARDOP, or VARA)	Required



# How to get a FEMA SID

- You must obtain a FEMA SID to register for online courses IS-100, 200, 700, and 800
- Go to the following site:
  - <https://cdp.dhs.gov/femasid>
- “X” out of the messages pop-up screen
- Click the “Register for a FEMA SID” button
- Place your info in the fields presented
- Click Register button at the bottom
- Your SID will come in an email – save securely



# How to Take FEMA Courses Online

- Go to [training.fema.gov](https://training.fema.gov)
- Click on “Independent Study Online courses available free of charge”
- Scroll down the page, next to “Distance Learning” enter IS-100 in the search box (repeat later for 200, 700, 800)
- Click on the “Search IS” Box
- Scroll down the resulting page, click on IS-100
- Scroll down the page, click on “Interactive Web Based Course” under “TAKE THIS COURSE”
- You can also download Classroom Materials here
- Final Exam Online – plan to take it without leaving computer



# Scroll down to see:



**FEMA** | *Emergency Management Institute*

Enter Search Term(s)



## ISP Courses - Search Results

Enter Keyword(s) or Course Code

[IS Home](#)

### IS Course List

[Lista de cursos de español](#)

[EMI Student Portal](#)

[Register for a FEMA SID](#)

[Critical Infrastructure Security and Resilience](#)

[→ Curriculum](#)

Course Code	Course Title
IS-100.c	<a href="#">Introduction to the Incident Command System, ICS 100</a>
IS-1000	<a href="#">Public Assistance Program and Eligibility</a>
IS-1001	<a href="#">The Public Assistance Delivery Model Orientation</a>
IS-1002	<a href="#">FEMA Grants Portal – Transparency at Every Step</a>
IS-1004	<a href="#">The FEMA Site Inspection Process</a>
IS-1005	<a href="#">Public Assistance Alternative Procedures</a>
IS-1006	<a href="#">Documenting Disaster Damage and Developing Project Files</a>
IS-1007	<a href="#">Detailed Damage Description and Dimensions</a>
IS-1008	<a href="#">Scope of Work Development (Scoping and Costing)</a>
IS-1009	<a href="#">Conditions of the Public Assistance Grant</a>
IS-1100.a	<a href="#">Increased Cost of Compliance</a>



# Scroll down to see:



**FEMA** | *Emergency Management Institute*

Enter Search Term(s):



## IS-100.C: Introduction to the Incident Command System, ICS 100

Enter Keyword(s) or Course Code

[IS Home](#)

[IS Course List](#)

[Lista de cursos de español](#)

[EMI Student Portal](#)

[Register for a FEMA SID](#)

[Critical Infrastructure Security and Resilience](#)

[Curriculum](#)

[Frequently Asked Questions](#)

[Curso en Español](#)

### Course Date

6/25/2018

### Course Overview

ICS 100, Introduction to the Incident Command System, introduces the Incident Command System (ICS) and provides the foundation for higher level ICS training. This course describes the history, features and principles, and organizational structure of the Incident Command System. It also explains the relationship between ICS and the National Incident Management System (NIMS). The Emergency Management Institute developed its ICS courses collaboratively with:

- National Wildfire Coordinating Group (NWCG)
- U.S. Department of Agriculture
- United States Fire Administration's National Fire Programs Branch

### Course Objectives:

### TAKE THIS COURSE

[Interactive Web Based Course](#)

### CLASSROOM MATERIALS

[Download Classroom Materials](#)

### TAKE FINAL EXAM

Please note that the IS Program now requires a FEMA SID to be used instead of your SSN. If you do not have a SID, [register for one here](#).

[Take Final Exam Online](#)



# Scroll down to see:

IS-0100.c: An Introduction to the Incident Command System, ICS 100

Lesson: Lesson 1: Course Welcome and ICS Go

Glossary abc Help ?



## Course Welcome

This course will introduce students to the Incident Command System (ICS). This system is used nationwide to manage incidents regardless of size or type.

This is the first in a series of ICS courses for all personnel involved in incident management. Descriptions and details about the other ICS courses in the series may be found on our web site: <http://training.fema.gov>.



[Select this link to access a printable version of the entire course.](#)

1 of 105

Plug-Ins





# What Happens Next

- You take the IS classes yourself
- Looks like you could take on your phone, but you better have great eyesight – recommend a computer or maybe a larger-than-phone tablet
- May take several hours to complete each
- When you pass the final exam, you will get a certificate via email – save that certificate and record the date in your Training Documentation File



# Install Winlink and Create Account

- Recommend using a Windows PC, with Windows 10 or 11 operating system
- The installer is well developed, just let it install things where it wants. The program will be installed in c:\RMS Express, and NOT in c:\Program Files.
- No reason to install as Administrator
- Tell KD9ANU when you are successful, or ask for help if not successful



# How to Install Winlink Express

- Visit the Winlink Download page to obtain Winlink Express software, at <https://downloads.winlink.org/>
- In the directory list, click on “User Programs”
- Click on “Winlink\_Express\_install\_1-5-25\_0.zip” to download
- Extract the files to another directory
- Double-click the file named “Winlink Express Install.msi”
- Select the Run button in the next window
- After the installation finishes, find and click on the “RMS Express” Program Icon. Might need to look in c:\RMS Express for RMS Express.exe.





# Create a Winlink Account (1 of 2)

- Must have a valid Ham Radio License
- When run the first time, the program opens the “Properties Tab”
- Fill the blanks as much as you can
- Don’t change or delete any default values that may be provided
- Recommend you NOT include any Call sign suffix, which is optional and just complicates things down the road
- Be sure to include your email in the fields labeled Password recovery email and also a Non-Winlink e-mail
- You DO NOT need a Winlink Express registration key now, leave that blank. You can purchase a key later, if you care to
- When finished, click on the “Update” button



# Create a Winlink Account (2 of 2)

- Connect with the Winlink system to create your account (use the Telnet mode Internet connection)
- Do not use a password on your first connection
- A message containing your password will be sent to your account. (Can change the password later.)
- Retrieve password with a second connection
- Enter password in “Settings”, “Winlink Express Setup”
- Your email address will be CALLSIGN@winlink.org



# Winlink Express Setup

**Winlink Express Properties**

**Call Signs**

My Callsign:  My Password:   
(Case sensitive)  Show password

Callsign suffix (optional):  (Used for country code)

Password recovery e-mail:   
(Non-Winlink e-mail address where lost password will be sent when requested)

**Auxiliary Callsigns and Tactical Addresses**

My Grid Square:

Winlink Express registration key:

**Service Codes**

(Use PUBLIC for ham call signs. Separate multiple service codes by spaces.)  
If you change service codes, you must update the list of channels.

**Contact Information (Optional)**

Name:

Street address 1:

Street address 2:

City:

State/Province:

Country:

Postal code:

Web Site URL (optional):

Phone number:

Non-Winlink e-mail:

Additional information (optional):

Recalculate HF path quality if SFI changes more than:

Keep logs for  weeks. Keep deleted messages for  days.

- Display list of pending incoming messages prior to download
- Warn about connections to stations holding messages
- Allow diagnostic information to be sent to the Winlink Development Team
- Automatically install field-test (beta) versions of Winlink Express



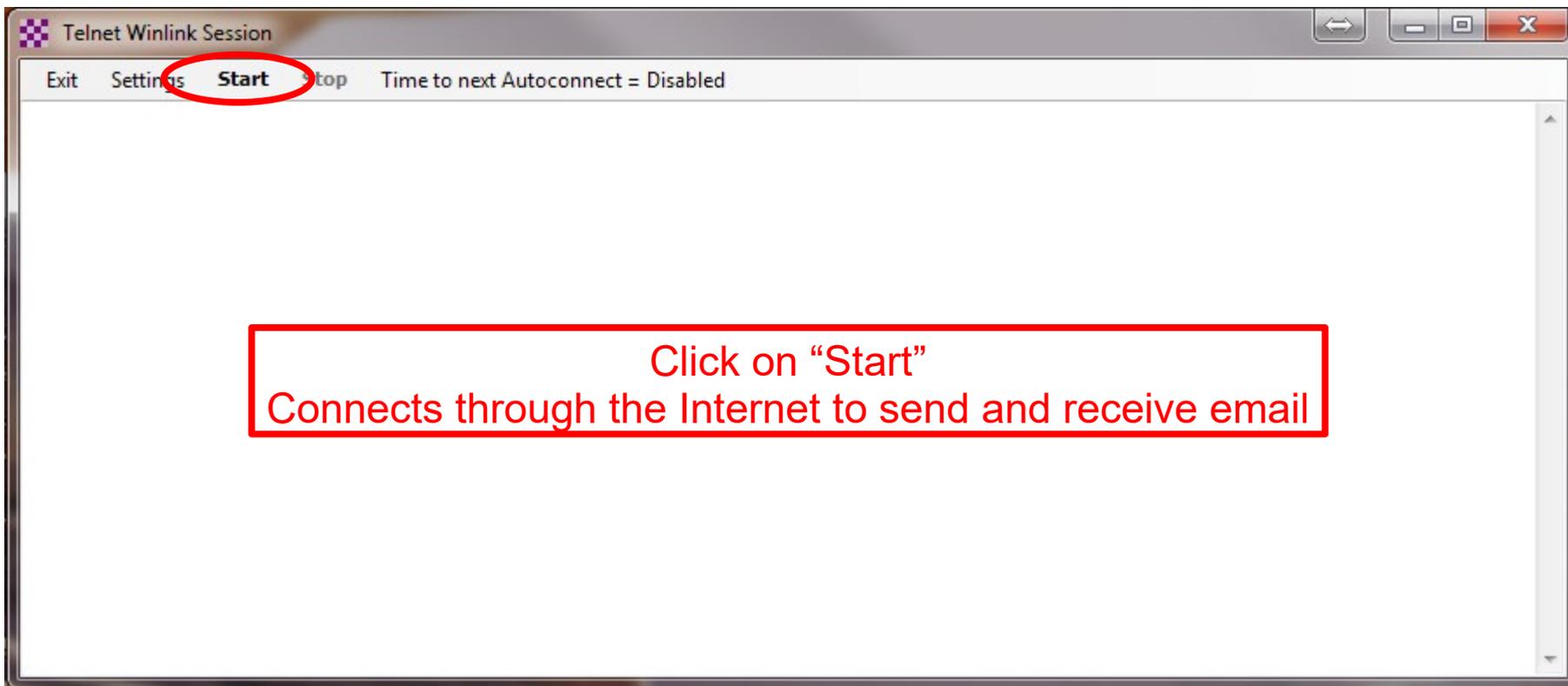
# Connect to the System (1 of 3)

A screenshot of the Winlink Express 1.5.10.0 software interface. The window title is 'Winlink Express 1.5.10.0 - KD9ANU'. The menu bar includes 'KD9ANU', 'Settings', 'Message', 'Attachments', 'Move To: Saved Items', 'Delete', 'Open Session: Telnet Winlink', 'Logs', and 'Help'. The 'Open Session: Telnet Winlink' dropdown menu is circled in red. Below the menu bar is a toolbar with various icons. The main area is divided into three sections: 'System Folders' on the left, a message list in the center, and 'Global Folders' and 'Contacts' at the bottom. The message list is currently empty and has a red box overlaid on it with the text: 'With the mode Telnet Winlink showing, Click on "Open Session"'.

Date/Time	Message ID	Size	Source	Sender	Recipient	Subject
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# Connect to the System (2 of 3)





# Connect to the System (3 of 3)

A screenshot of a 'Telnet Winlink Session' window. The window title bar includes a close button (X) and a red circle highlights the 'Exit' button in the menu bar. The main text area shows a session log: 'Connecting to a CMS...', 'Connected to AWS at 2017/12/05 22:45:09', '[WL2K-4.0-B2FWIHJM\$]', ':PQ: 34327558', 'CMS&gt;', ':FW: KD9ANU', '[RMS Express-1.5.10.0-B2FHM\$]', ':PR: 95475577', ': WL2K DE KD9ANU (EN50EU)', 'FF', 'FQ', '--- End of session at 2017/12/05 22:45:10 ---', '--- Messages sent: 0. Total bytes sent: 0, Time: 00:00, bytes/minute: 0', '--- Messages Received: 0. Total bytes received: 0, Total session time: 00:00, bytes/minute: 0', '--- Disconnected at 2017/12/05 22:45:15'. A red-bordered box at the bottom of the window contains the text: 'Click on "Exit" after Disconnected is displayed This window will then close'.



# Winlink Express Screen

Winlink Express 1.5.18.0 - KD9ANU

KD9ANU Settings Message Attachments Move To: Weekly Winlink Ex Delete Open Session: Packet Winlink Logs Help

In Packet Winlink session. \*\*\* Received and processed RMS VHF Channels update message \*\*\*

	Date/Time	Message ID	Size	Source	Sender	Recipient	Subject
	2019/01/23 20:41	125_W9KJ	283	W9KJ	W9KJ	KD9ANU	Weekly Winlink Exercise #4-2019
	2019/01/23 18:18	GD4FMCTZKKEP	1413	WD9FMB	WD9FMB	KD9ANU	//WL2K ICS214A-Weekly Winlink Exercis
	2019/01/23 17:53	A3P8LFM051XC	236	N9JWI	N9JWI	KD9ANU	//WL2K Weekly Winlink Exercise #4-201
	2019/01/22 02:55	6KHNFVIFV8D5	2334	KC9RAV	KC9RAV	KD9ANU	//WL2K Re: ICS 213: Weekly Winlink Ex
	2019/01/20 20:18	118_W9KJ	3630	W9KJ	W9KJ	KD9ANU	Re: ICS 213: Weekly Winlink Exercise #3
	2019/01/20 02:40	101_W9KJ	3282	W9KJ	W9KJ	KD9ANU	Re: ICS 213: Weekly Winlink Exercise #3

Message ID: A3P8LFM051XC  
 Date: 2019/01/23 17:53  
 From: N9JWI  
 To: KD9ANU  
 Source: N9JWI  
 Downloaded-from: RMS:KD9ANU-10  
 Subject: //WL2K Weekly Winlink Exercise #4-2019

N9JWI, Frank, Amboy, Packet, 145.610.N9JWI-10 gateway



# Midwest SuperFest is Coming

- PAARC will be holding SuperFest in East Peoria on September 17 & 18 Sat & Sun
- Same place as last year, 4200 Washington Rd
- Setup activities will be Thurs and Fri 15 and 16
- Please come and support the club and ARES
- Forums will be held Saturday morning
- Lots of flea market spots and vendors
- Raffle Prize drawing will be on Sunday



# Chicago Marathon

- Coming on Sunday, October 9
- They need radio operators to man aid stations
- Mark and Corey have participated in the past
- Typically go up on Saturday, return on Sunday
- Good hands on exposure to emergency comms
- Contact Rob Orr, K9RST - 847-400-4694 cell



# ARES Net Reminders

- Illinois State ARES HF Net
  - 1<sup>st</sup> and 3<sup>rd</sup> Sundays of month at 4:30 PM CST
  - 3.905 MHz LSB (alternate 7.230 MHz LSB) & Echolink 824404
  - Informal 60M & 40M check in - (7230 KHz) at 4:10 PM
  - 60M check at 4:20 pm (5403.5 kHz Channel 5, if busy then 1, 2, 3, 4)
- Illinois Digital Net every Wednesday 8:00 PM on Illinois Link
  - WIRES X 21565
  - Brandmeister DMR 31171
  - TGIF DMR 31171, DMR+ Reflector 4636
  - NXDN 3117
  - P25 31171
  - YSF Reflector Illinois Link 83132
  - D-Star XLX 334G, DCS 334G, XRF 334G, and XLX 312G
  - Allstar Link 42810



# END

- [www.peoriacountyares.org](http://www.peoriacountyares.org)
  - [ilares.org](http://ilares.org)
  - [www.arrl.org/ares](http://www.arrl.org/ares)