Gwinnett Amateur Radio Emergency Service

The Amateur Radio Emergency Service® (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.

EMERGENCY MANAGEMENT

government technology MEET THE 2018 CLASS OF DOERS, DREAMERS & DRIVERS TOP 25

Emergency Communications Driving Increase in Amateur Radio Operators

Hams standing by and ready to help during disasters or other events.

BY JAMES CARELESS / APRIL 11, 2017

ADVERTISEMENT

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Mexico Earthquake Was California's Wake-up Call

Two Hundred of State's K-12 Schools are Within a Mile of an Active Earthquake Fault

Firefighters Turn to Chemical Detox Saunas to Thwart the Cancer Threat

Free Online Courses Enable Training of Spontaneous Volunteers Before or During a Disaster

Emergency Responders Learn Importance of Getting Medical Care to the 'Warm Zone'

ARES

Public Service Resources
Public Service Honor Roll
Served Agencies and Partners
ARES
- ARES Annual/Monthly Reports
- ARES Letter
- ARES Group Registration
- ARES Plan

NTS
Ham Aid
SKYWARN Recognition Day
Puerto Rico - Caribbean Recovery 2017
2019 Hurricanes
2020 Hurricanes
2021 Hurricanes

When All Else Fails®

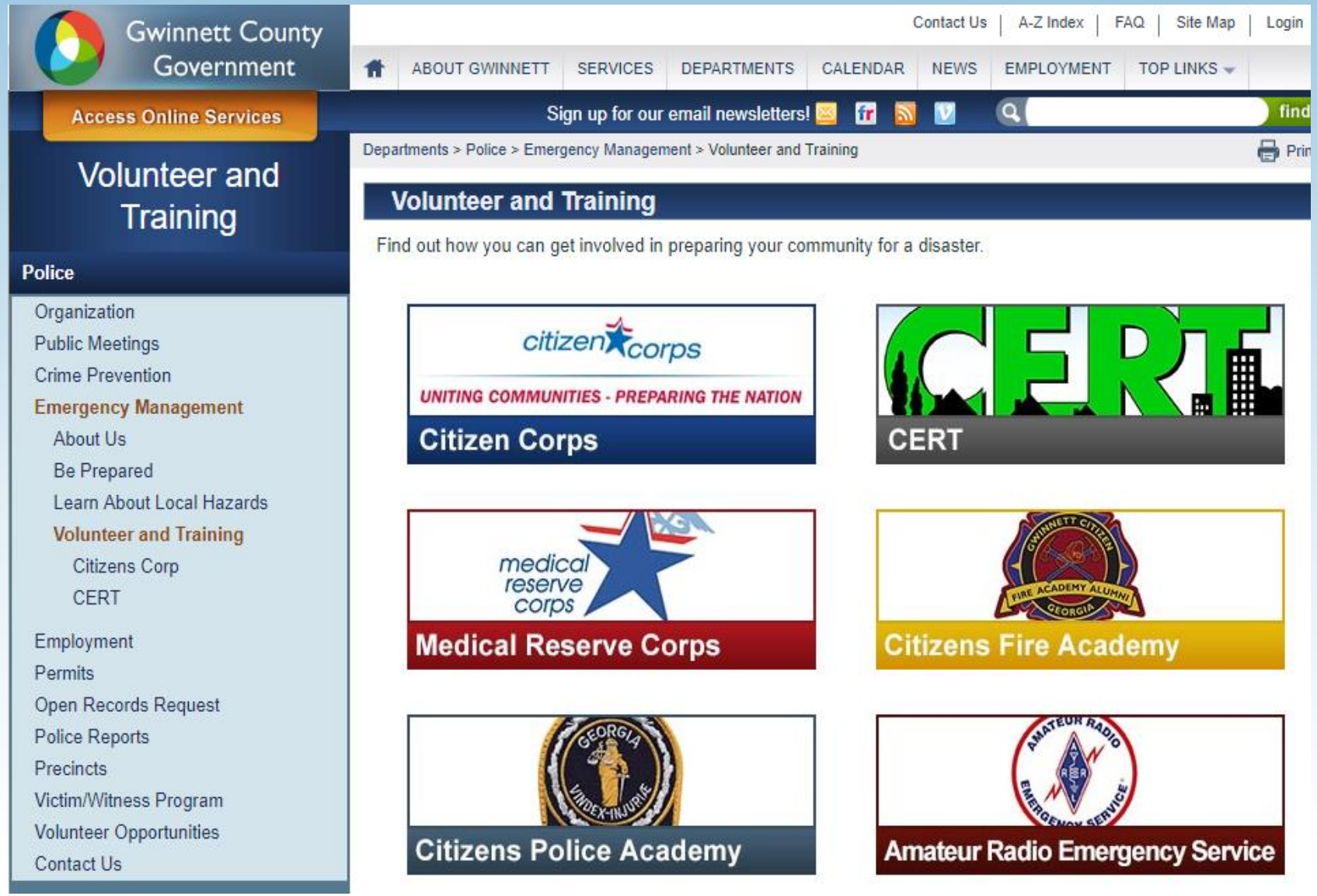
Amateur radio operators use their training, skills, and equipment to provide communications during emergencies When All Else Fails®. Hams serve our communities when storms or other disasters damage critical communication infrastructure, including cell towers, and wired and wireless networks. Amateur radio can function completely independently of the internet and phone systems. An amateur radio station can be set up almost anywhere in minutes. Hams can quickly raise a wire antenna in a tree or on a mast, connect it to a radio and power source, and communicate effectively with others.

Amateur Radio Emergency Service® (ARES®)

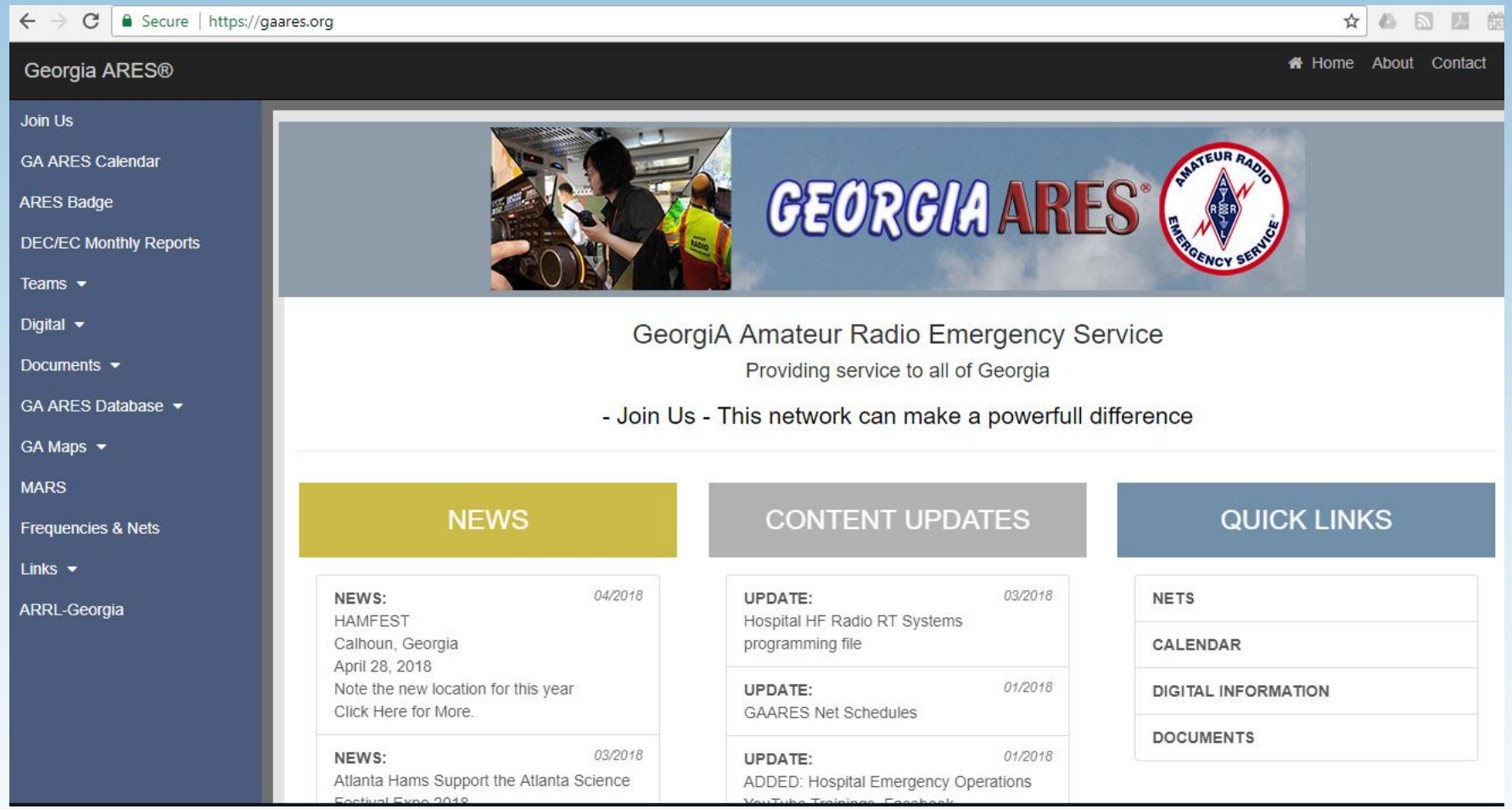
- Download the ARES Manual [PDF]
- ARES Field Resources Manual [PDF]
- ARES Standardized Training Plan Task Book [Fillable PDF]
- ARES Standardized Training Plan Task Book [Word]

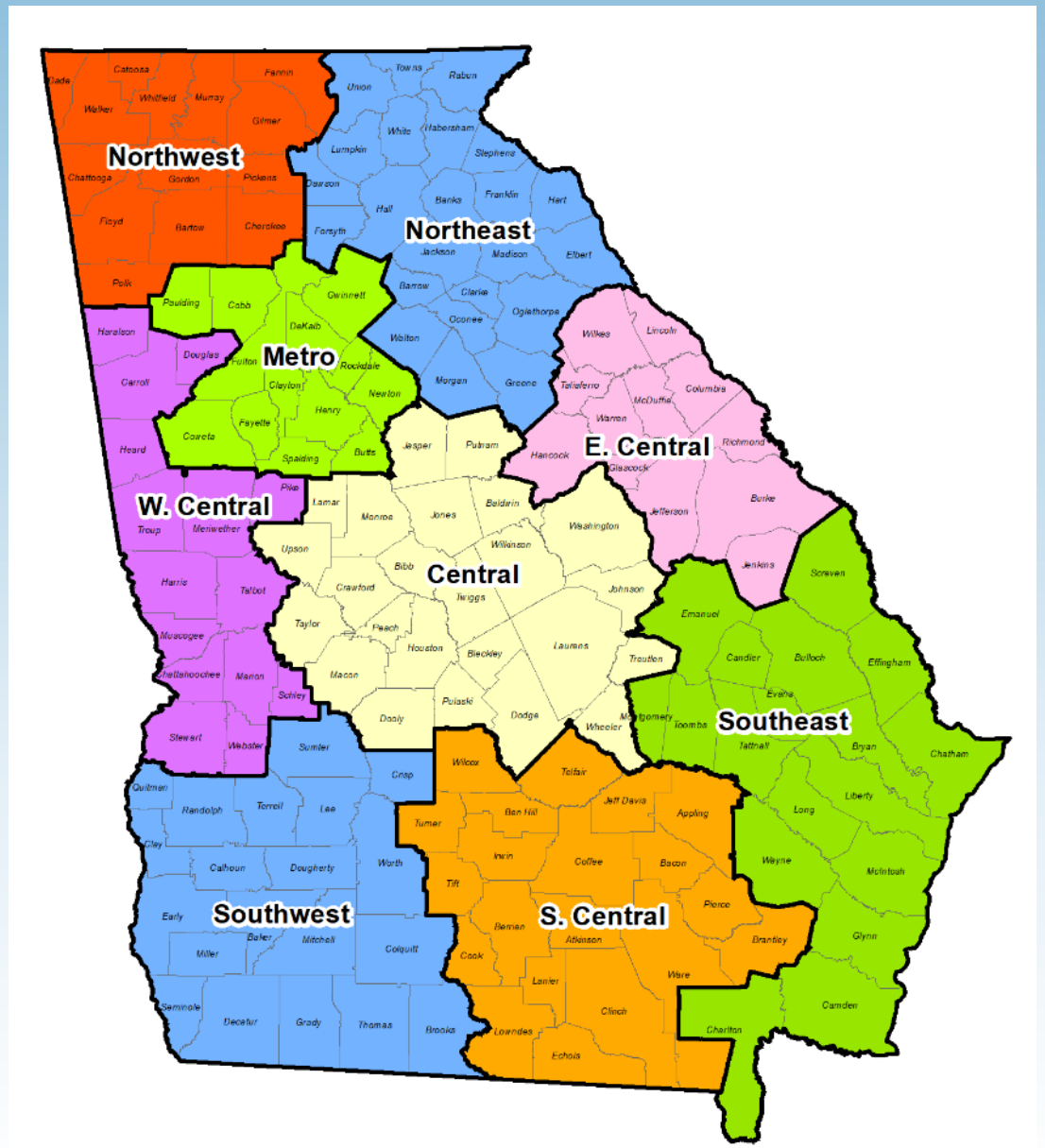
The Amateur Radio Emergency Service (ARES) consists of licensed amateurs who have voluntarily registered their qualifications and equipment, with their local ARES leadership, for communications duty in the public service when disaster strikes.

Gwinnett Citizen Corps



Georgia ARES (GAARES.ORG)

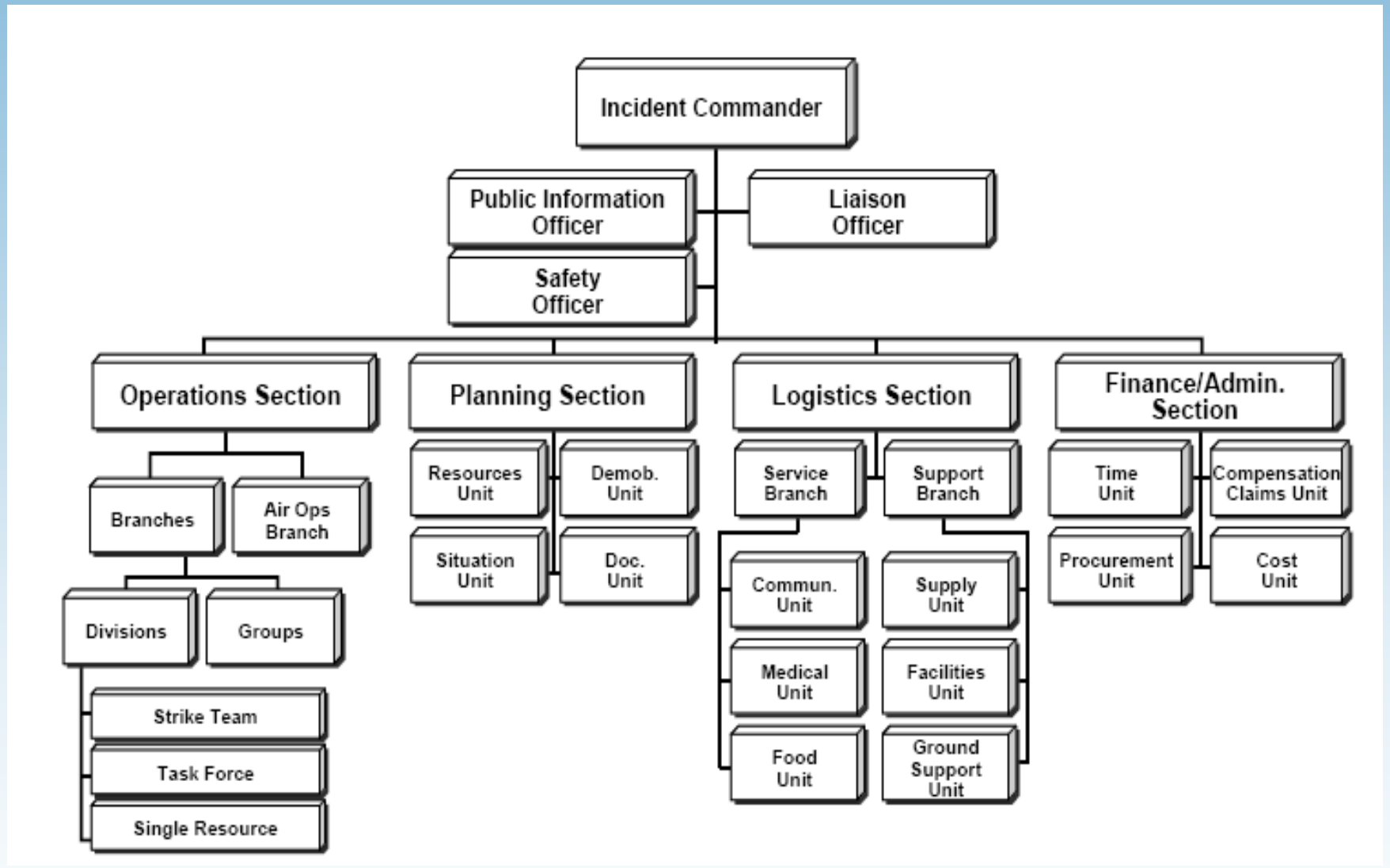


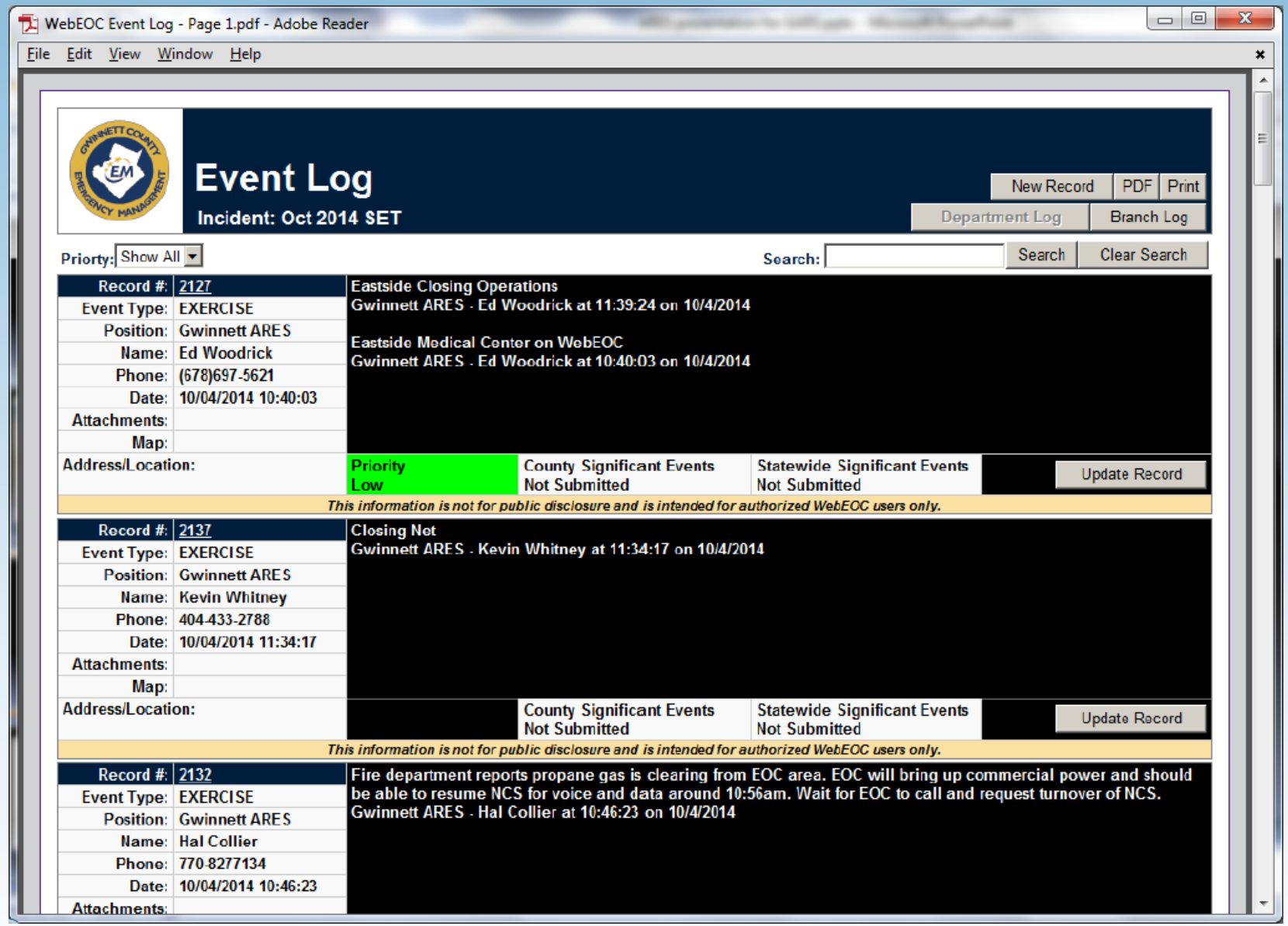

Northwest
Northeast
Metro
E. Central
W. Central
Central
Southeast
Southwest
S. Central

Gwinnett ARES provides communications support through Amateur Radio to county government agencies and other groups throughout the area.

513-5640
513-5640

Gwinnett ARES members receive training on the National Incident Management System (NIMS), various Amateur Radio modes and message handling techniques.


Incident Commander
Public Information Officer
Liaison Officer
Safety Officer
Operations Section
Planning Section
Logistics Section
Finance/Admin. Section
Branches
Air Ops Branch
Divisions
Groups
Strike Team
Task Force
Single Resource
Resources Unit
Demob. Unit
Situation Unit
Doc. Unit
Service Branch
Support Branch
Commun. Unit
Medical Unit
Food Unit
Supply Unit
Facilities Unit
Ground Support Unit
Time Unit
Compensation Claims Unit
Procurement Unit
Cost Unit



WebEOC Event Log - Page 1.pdf - Adobe Reader

File Edit View Window Help

Event Log

Incident: Oct 2014 SET

New Record | PDF | Print

Department Log | Branch Log

Priority: Show All

Search: Search | Clear Search

Record #:	2127
Event Type:	EXERCISE
Position:	Gwinnett ARES
Name:	Ed Woodrick
Phone:	(678)697-5621
Date:	10/04/2014 10:40:03
Attachments:	
Map:	
Address/Location:	

Eastside Closing Operations
Gwinnett ARES - Ed Woodrick at 11:39:24 on 10/4/2014

Eastside Medical Center on WebEOC
Gwinnett ARES - Ed Woodrick at 10:40:03 on 10/4/2014

Priority	County Significant Events	Statewide Significant Events	
Low	Not Submitted	Not Submitted	Update Record

This information is not for public disclosure and is intended for authorized WebEOC users only.

Record #:	2137
Event Type:	EXERCISE
Position:	Gwinnett ARES
Name:	Kevin Whitney
Phone:	404-433-2788
Date:	10/04/2014 11:34:17
Attachments:	
Map:	
Address/Location:	

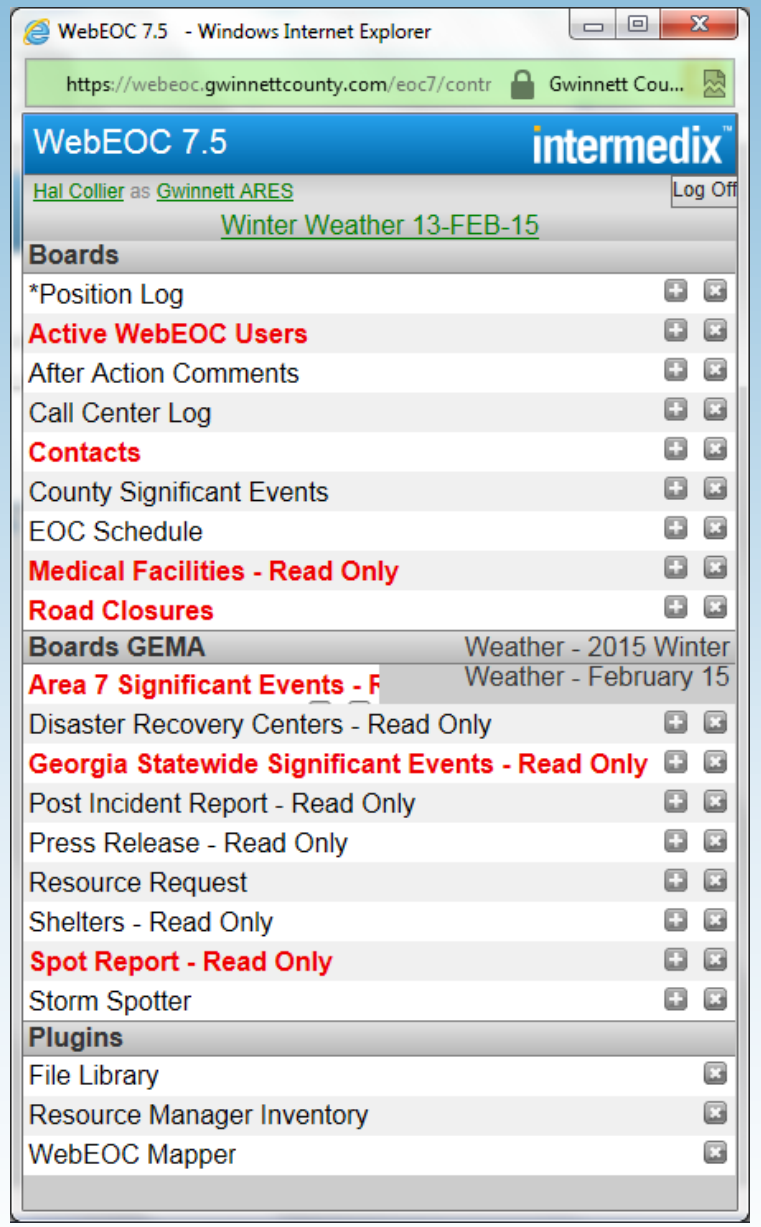
Closing Net
Gwinnett ARES - Kevin Whitney at 11:34:17 on 10/4/2014

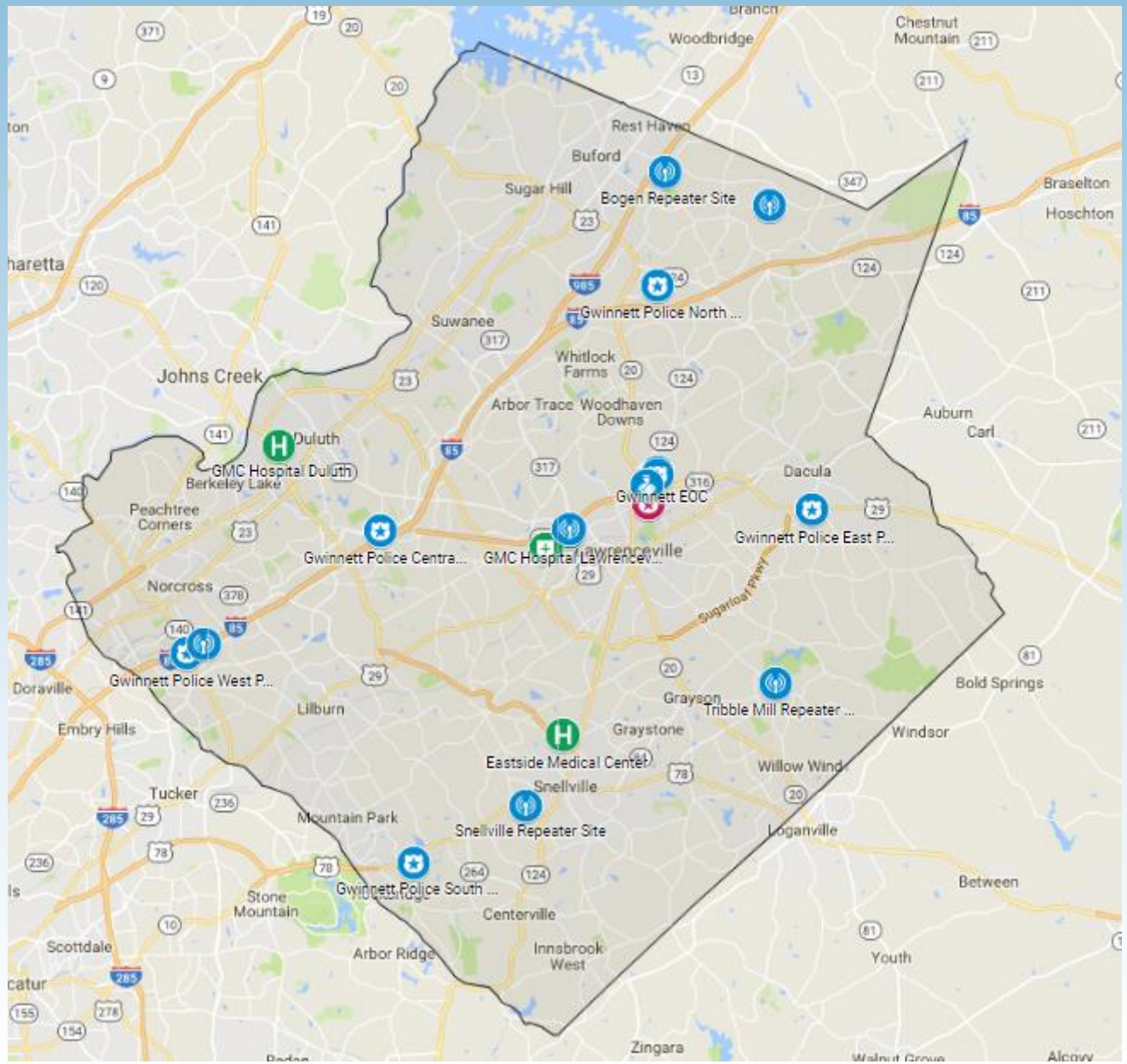
	County Significant Events	Statewide Significant Events	
	Not Submitted	Not Submitted	Update Record

This information is not for public disclosure and is intended for authorized WebEOC users only.

Record #:	2132
Event Type:	EXERCISE
Position:	Gwinnett ARES
Name:	Hal Collier
Phone:	770-8277134
Date:	10/04/2014 10:46:23
Attachments:	

Fire department reports propane gas is clearing from EOC area. EOC will bring up commercial power and should be able to resume NCS for voice and data around 10:56am. Wait for EOC to call and request turnover of NCS.
Gwinnett ARES - Hal Collier at 10:46:23 on 10/4/2014


WebEOC 7.5 - Windows Internet Explorer
https://webeoc.gwinnettcounty.com/eoc7/contr
Gwinnett Cou...
WebEOC 7.5
intermedix
Hal Collier as Gwinnett ARES
Log Off
Winter Weather 13-FEB-15
Boards
*Position Log
Active WebEOC Users
After Action Comments
Call Center Log
Contacts
County Significant Events
EOC Schedule
Medical Facilities - Read Only
Road Closures
Boards GEMA
Weather - 2015 Winter Weather - February 15
Area 7 Significant Events - F
Disaster Recovery Centers - Read Only
Georgia Statewide Significant Events - Read Only
Post Incident Report - Read Only
Press Release - Read Only
Resource Request
Shelters - Read Only
Spot Report - Read Only
Storm Spotter
Plugins
File Library
Resource Manager Inventory
WebEOC Mapper


Woodbridge
Chestnut Mountain
Rest Haven
Buford
Sugar Hill
Bogen Repeater Site
Braselton
Hoschton
Suwanee
Gwinnett Police North ...
Whitlock Farms
Johns Creek
Arbor Trace
Woodhaven Downs
Auburn
Carl
Duluth
GMC Hospital Duluth
Berkeley Lake
Dacula
Gwinnett EOC
Peachtree Corners
Gwinnett Police Centra...
GMC Hospital Lawrencev...
Lawrenceville
Gwinnett Police East P...
Norcross
Superior Pkwy
Gwinnett Police West P...
Doraville
Bold Springs
Grayson
Tribble Mill Repeater ...
Lilburn
Embry Hills
Graystone
Windsor
Eastside Medical Center
Willow Wind
Tucker
Snellville
Mountain Park
Snellville Repeater Site
Loganville
Gwinnett Police South ...
Between
Stone Mountain
Centerville
Scottdale
Arbor Ridge
Innsbrook West
Youth
Zingara

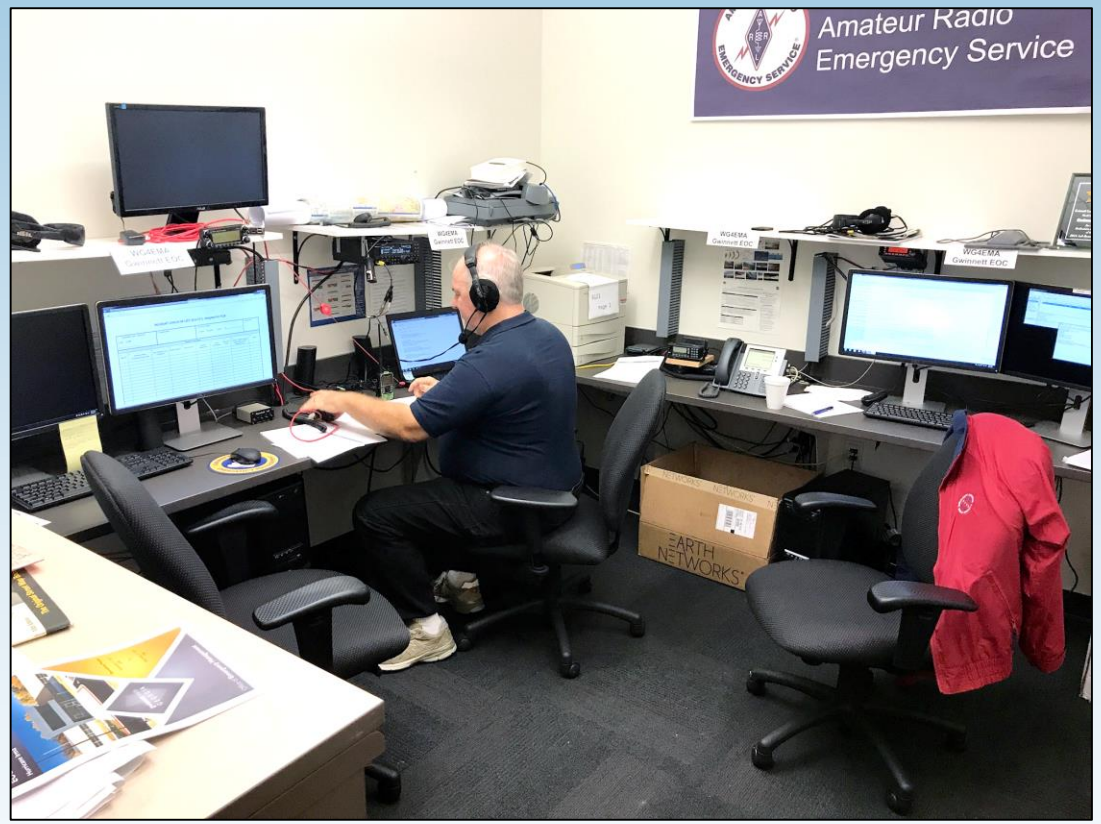
Gwinnett Emergency Management Agency

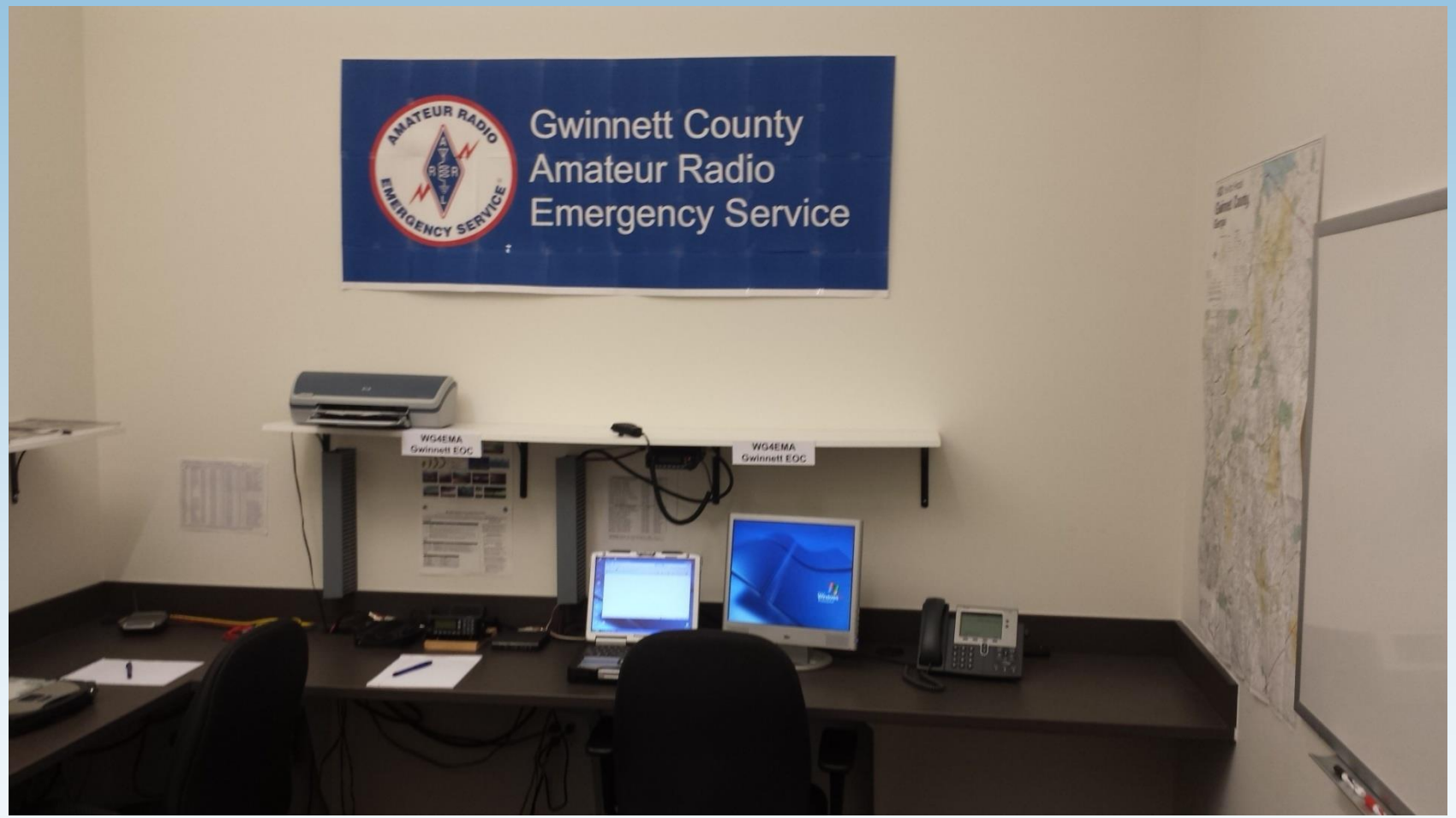
- Emergency Operations Center

  800 Hi Hope Road

  Lawrenceville, GA 30043

- Dedicated radio room
  - Controlled access area
  - Adjacent to ops center room




AMATEUR RADIO
EMERGENCY SERVICE
Gwinnett County
Amateur Radio
Emergency Service
WG4EMA
Gwinnett EOC
WG4EMA
Gwinnett EOC

Gwinnett Newton Rockdale Public Health Department HQ

- Georgia Public Health Department District 3-4
  - 2570 Riverside Parkway
  - Lawrenceville, GA 30046
- Station is in the District Operations Center (DOC) supply closet
- DOC and radios have available emergency generator backup
- Monthly on-site maintenance visit (test radios, PC software updated)

Radio Room - Workspace

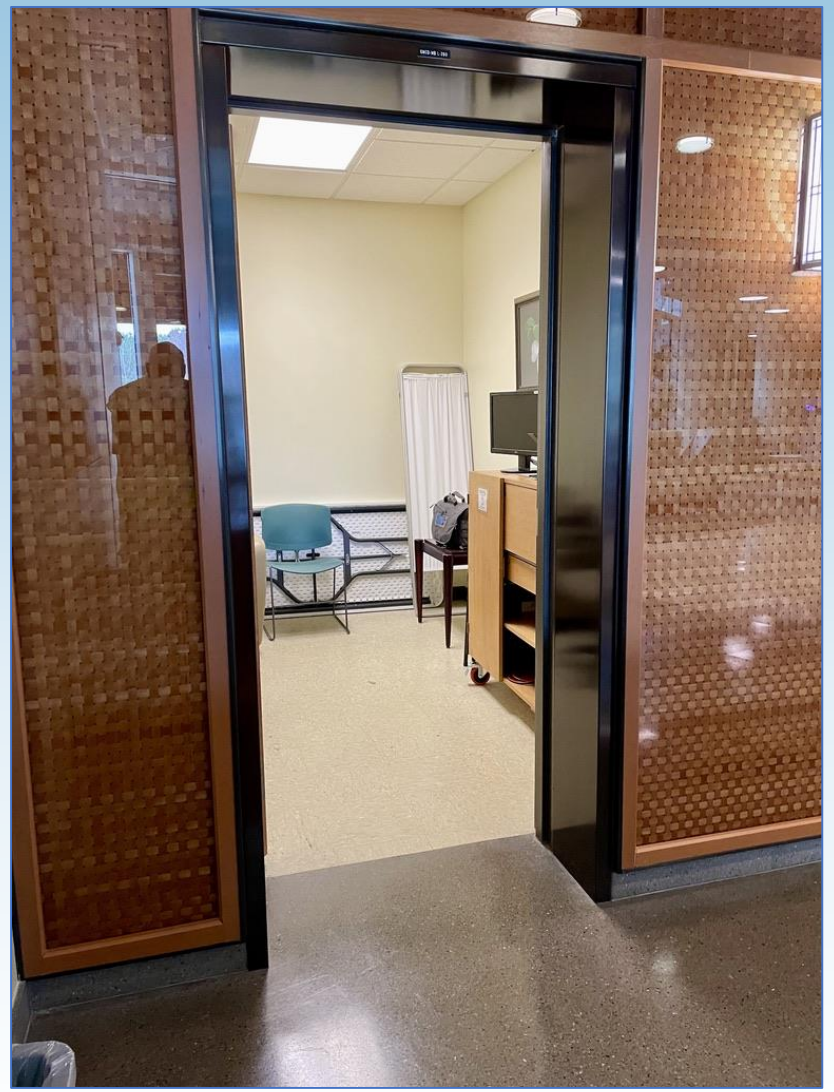
- PC Workstation
- Radio stack
  - ICOM IC-7300 HF
  - ICOM ID-5100 VHF/UHF/D-Star
  - Yaesu FT-8800 VHF/UHF with TNC
- Electrostatic printer
- Binder with manuals and other reference material
- Box with spare parts (e.g., fuses, Powerpole connectors, wire, …)

Northside Hospital Duluth

- Location

  3620 Howell Ferry Rd NW,
  Duluth, GA 30096

- Radio room is located to the left of the two elevators on main floor
  - Room is co-used for nursing mothers
  - Radios have available emergency generator backup
  - Be mindful of nearby public
- Monthly activities
  - State-wide hospital net exercise
  - On-site maintenance visit (test radios, PC software updated)



Radio Room - Workspace

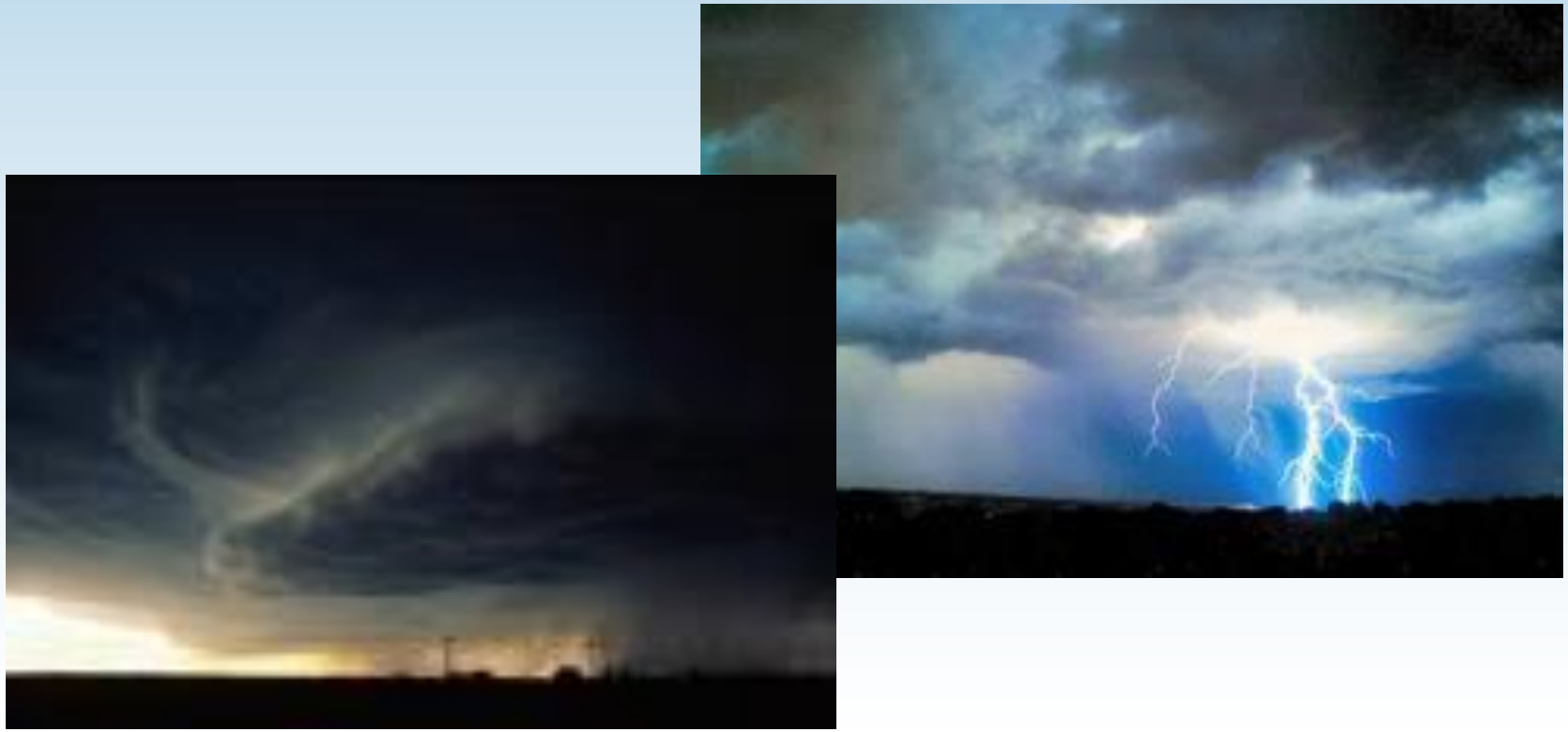
- Equipment located in locked cabinet
- Radios, PC and printer receive power from hospital “Red plug” (backed up by generators)
- HICS Incident Command Post one floor up
- Manuals and ICS forms in pull-out drawer

Radio Station – Radio Equipment

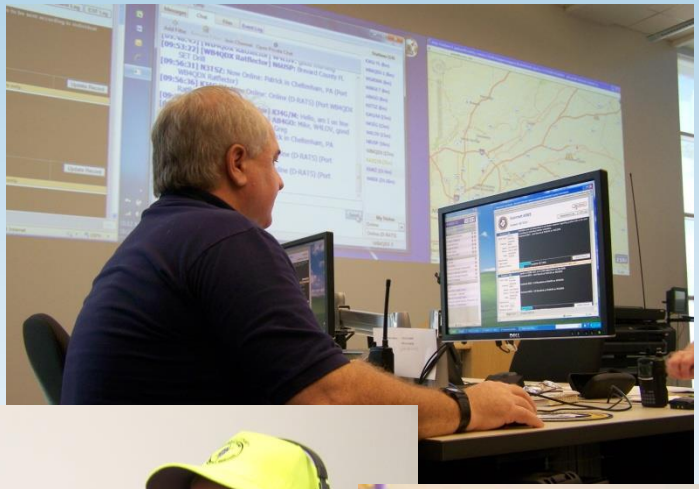
- ICOM 2820H VHF/UHF/DSTAR
  - Comet GP-95 antenna
- Yaesu FT-450D Multi-band HF
  - LDG YT-1200 Tuner
  - myAntenna EFHW 8010 antenna
  - Headset
- Signalink
  - Shared between both radios, each radio has a connector cable allowing easy switch over
- Workspace lightbar

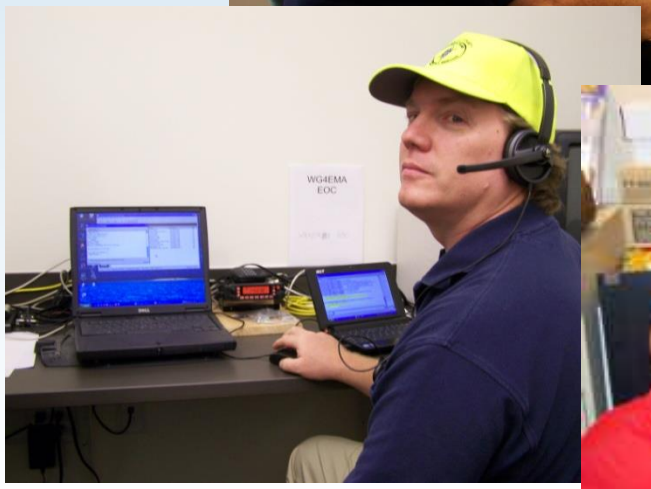
Gwinnett ARES operates a communication trailer with capabilities such as HF, VHF, UHF, Packet, APRS, DMR, System Fusion, D-Star voice and high speed data.

ARES provides valuable, timely information on severe weather conditions and damage to Gwinnett County Emergency Management and the National Weather Service through its Skywarn program.

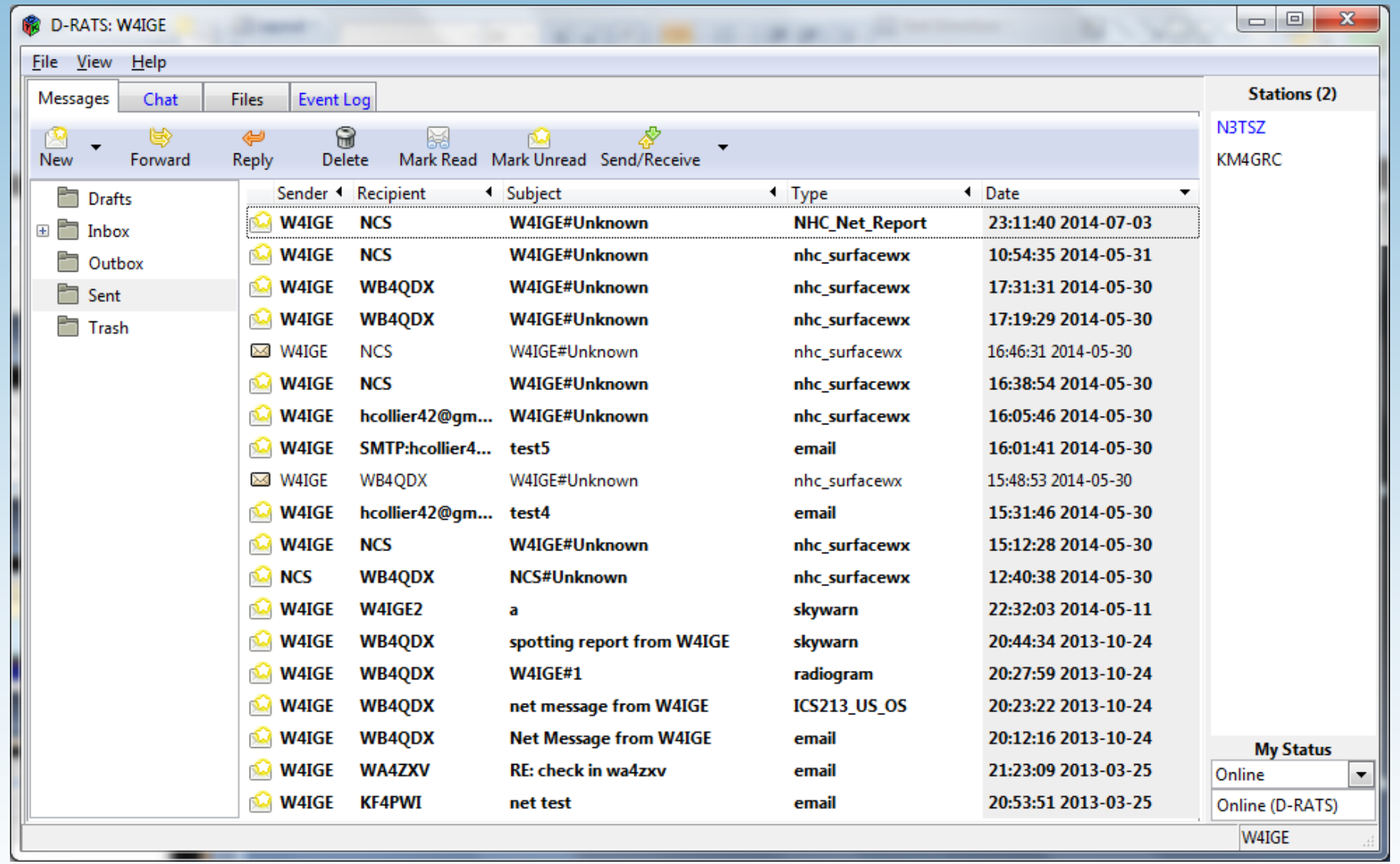


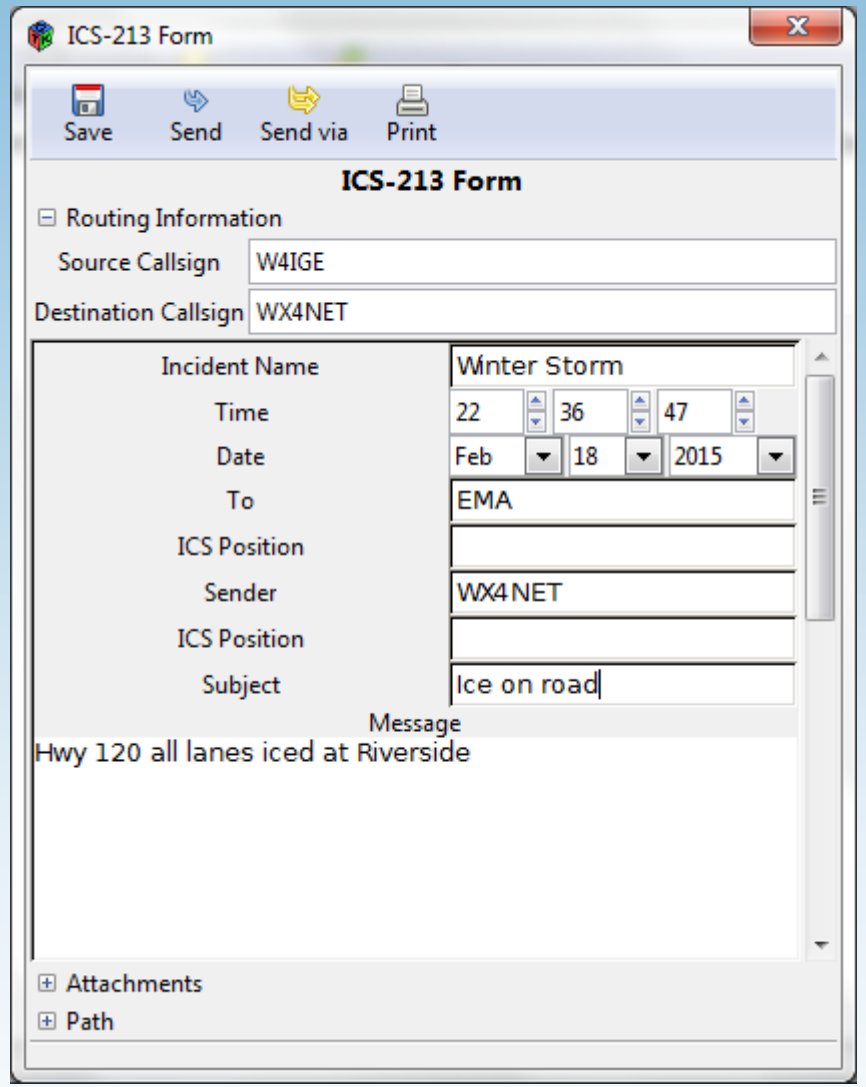
Gwinnett ARES members participate in drills and exercises to practice skills and gain new knowledge.

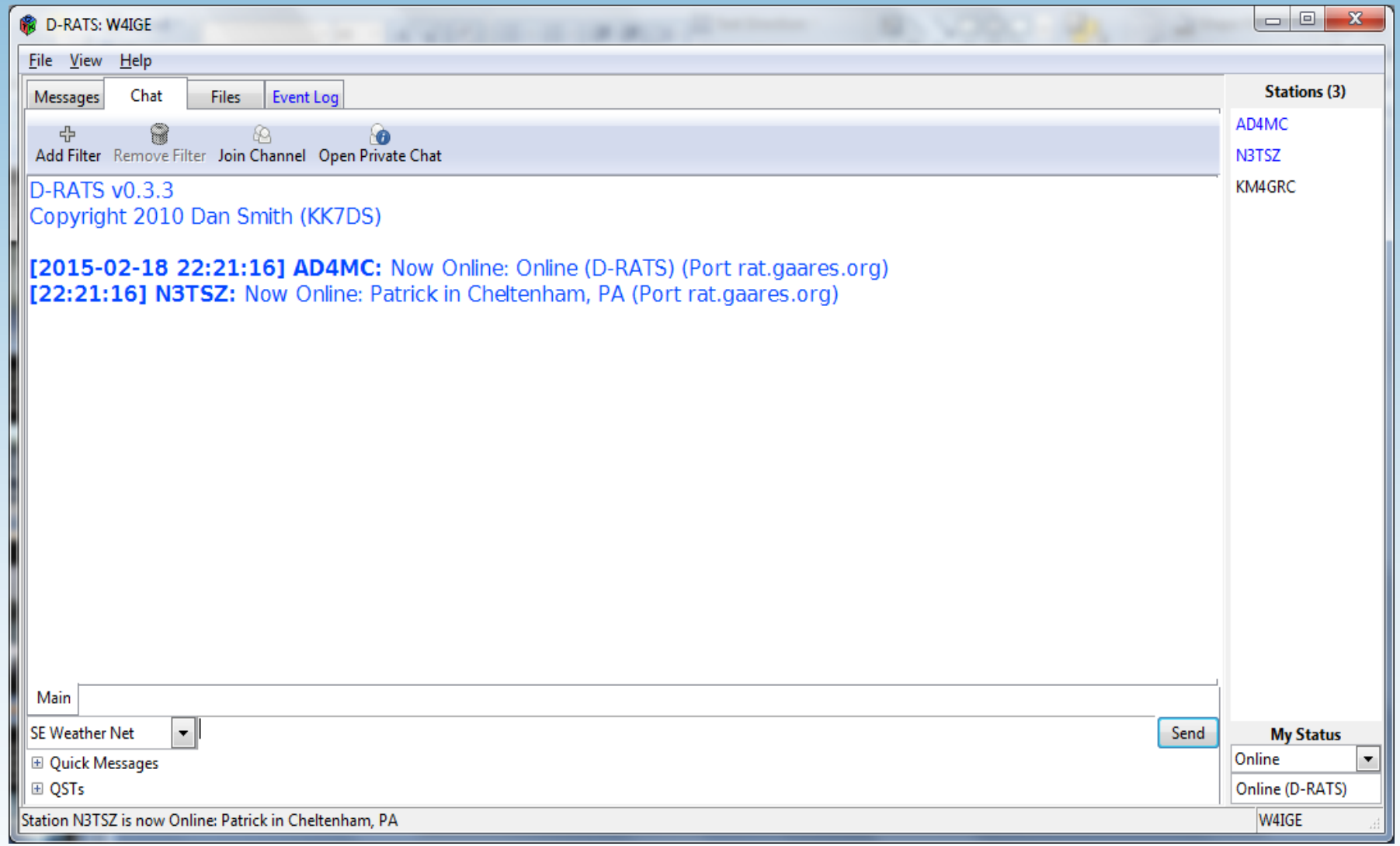


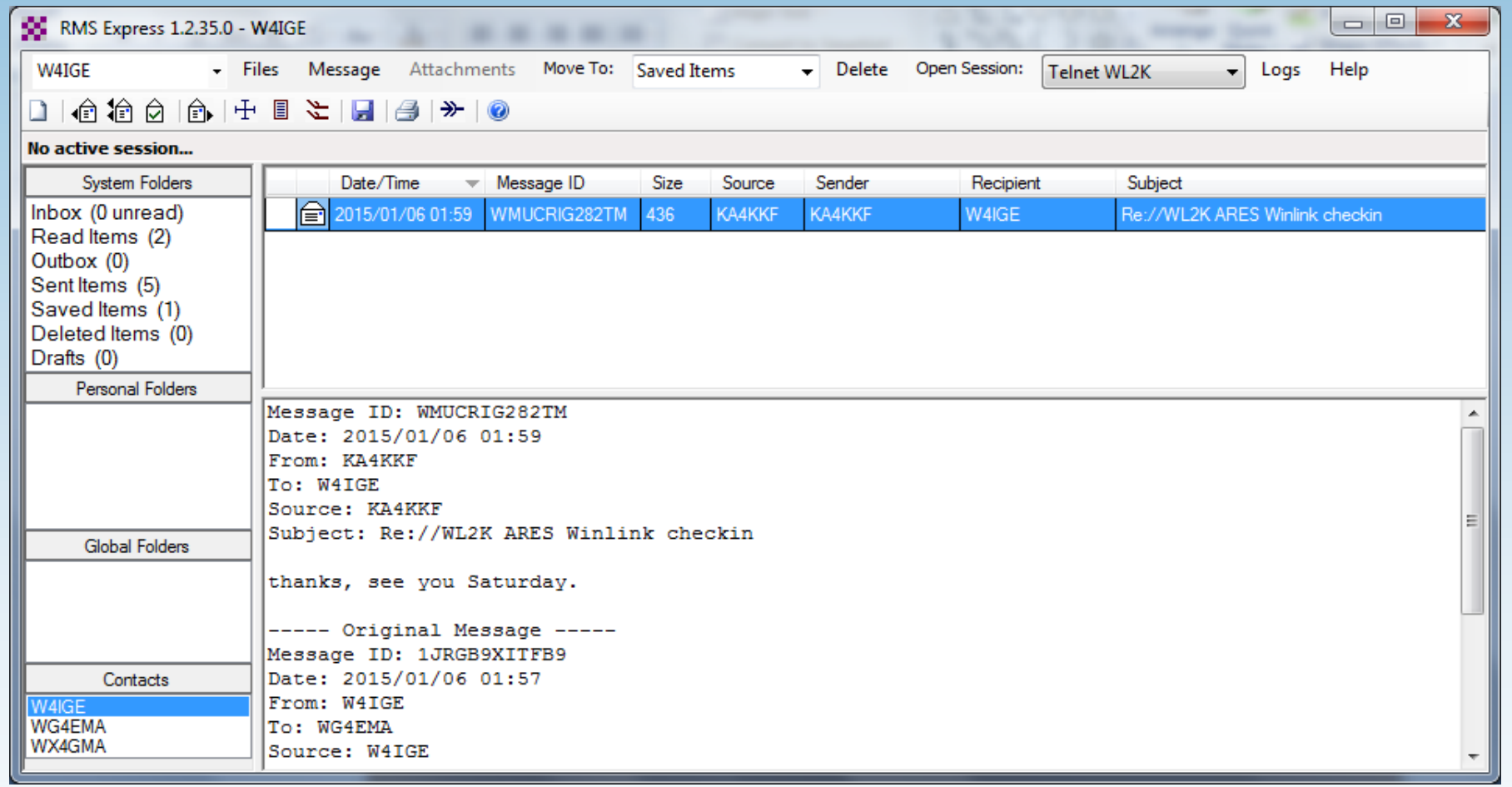


Each year we have a training exercise called Deployment Day where we get out in the field and practice certain skill sets.


D-RATS: W4IGE
File View Help
Messages Chat Files Event Log
New Forward Reply Delete Mark Read Mark Unread Send/Receive
Drafts
Inbox
Outbox
Sent
Trash
Sender Recipient Subject Type Date
W4IGE NCS W4IGE#Unknown NHC_Net_Report 23:11:40 2014-07-03
W4IGE NCS W4IGE#Unknown nhc_surfacewx 10:54:35 2014-05-31
W4IGE WB4QDX W4IGE#Unknown nhc_surfacewx 17:31:31 2014-05-30
W4IGE WB4QDX W4IGE#Unknown nhc_surfacewx 17:19:29 2014-05-30
W4IGE NCS W4IGE#Unknown nhc_surfacewx 16:46:31 2014-05-30
W4IGE NCS W4IGE#Unknown nhc_surfacewx 16:38:54 2014-05-30
W4IGE hcollier42@gm... W4IGE#Unknown nhc_surfacewx 16:05:46 2014-05-30
W4IGE SMTP:hcollier4... test5 email 16:01:41 2014-05-30
W4IGE WB4QDX W4IGE#Unknown nhc_surfacewx 15:48:53 2014-05-30
W4IGE hcollier42@gm... test4 email 15:31:46 2014-05-30
W4IGE NCS W4IGE#Unknown nhc_surfacewx 15:12:28 2014-05-30
NCS WB4QDX NCS#Unknown nhc_surfacewx 12:40:38 2014-05-30
W4IGE W4IGE2 a skywarn 22:32:03 2014-05-11
W4IGE WB4QDX spotting report from W4IGE skywarn 20:44:34 2013-10-24
W4IGE WB4QDX W4IGE#1 radiogram 20:27:59 2013-10-24
W4IGE WB4QDX net message from W4IGE ICS213_US_OS 20:23:22 2013-10-24
W4IGE WB4QDX Net Message from W4IGE email 20:12:16 2013-10-24
W4IGE WA4ZXV RE: check in wa4zxv email 21:23:09 2013-03-25
W4IGE KF4PWI net test email 20:53:51 2013-03-25
Stations (2)
N3TSZ
KM4GRC
My Status
Online
Online (D-RATS)
W4IGE


ICS-213 Form
Save
Send
Send via
Print
ICS-213 Form
Routing Information
Source Callsign
W4IGE
Destination Callsign
WX4NET
Incident Name
Winter Storm
Time
22
36
47
Date
Feb
18
2015
To
EMA
ICS Position
Sender
WX4NET
ICS Position
Subject
Ice on road
Message
Hwy 120 all lanes iced at Riverside
Attachments
Path


D-RATS: W4IGE
File View Help
Messages Chat Files Event Log
Add Filter Remove Filter Join Channel Open Private Chat
D-RATS v0.3.3
Copyright 2010 Dan Smith (KK7DS)
[2015-02-18 22:21:16] AD4MC: Now Online: Online (D-RATS) (Port rat.gaares.org)
[22:21:16] N3TSZ: Now Online: Patrick in Cheltenham, PA (Port rat.gaares.org)
Main
SE Weather Net
Send
Quick Messages
QSTs
Stations (3)
AD4MC
N3TSZ
KM4GRC
My Status
Online
Online (D-RATS)
Station N3TSZ is now Online: Patrick in Cheltenham, PA
W4IGE


RMS Express 1.2.35.0 - W4IGE
W4IGE
Files
Message
Attachments
Move To:
Saved Items
Delete
Open Session:
Telnet WL2K
Logs
Help
No active session...
System Folders
Inbox (0 unread)
Read Items (2)
Outbox (0)
Sent Items (5)
Saved Items (1)
Deleted Items (0)
Drafts (0)
Personal Folders
Global Folders
Contacts
W4IGE
WG4EMA
WX4GMA
Date/Time
Message ID
Size
Source
Sender
Recipient
Subject
2015/01/06 01:59
WMUCRIG282TM
436
KA4KKF
KA4KKF
W4IGE
Re://WL2K ARES Winlink checkin
Message ID: WMUCRIG282TM
Date: 2015/01/06 01:59
From: KA4KKF
To: W4IGE
Source: KA4KKF
Subject: Re://WL2K ARES Winlink checkin
thanks, see you Saturday.
----- Original Message -----
Message ID: 1JRGB9XITFB9
Date: 2015/01/06 01:57
From: W4IGE
To: WG4EMA
Source: W4IGE

Standard ICS Forms

1st GMC-D Activation ICS-213

Communications Log ICS-309

General Message (ICS 213)		
1. Incident Name: GA ARES Hospital Net	Msg #: KK4FGL-1	
2. To (Name/Position): Brett Smith W4HBS		
3. From (Name/Position): Mark T Bell / GMC Duluth KK4FGL		
4. Subject: GA ARES Hospital Net Monthly Drill	5. Date: 2018-8-5	6. Time: 14:04
7. Message: Hospital: Gwinnett Medical Center at Duluth Operators: 1. Mark Bell N7GRB 2. Charlie Allport WS4TOT Operating on-site! This is the first activation of the GMC Duluth site! Using Hospital Equipment		
8. Approved by: Mark / N7GRB	Position / Title: Operator	

COMMUNICATIONS LOG (RACES/ARES)

Incident/Event Name: GA Hospital Net

DATE PRE / TIME PRE

FOR OPERATIONAL PERIOD # 1

Frequency:

RADIO OPERATOR NAME: N7GRB / Mark

STATION I.D. KK

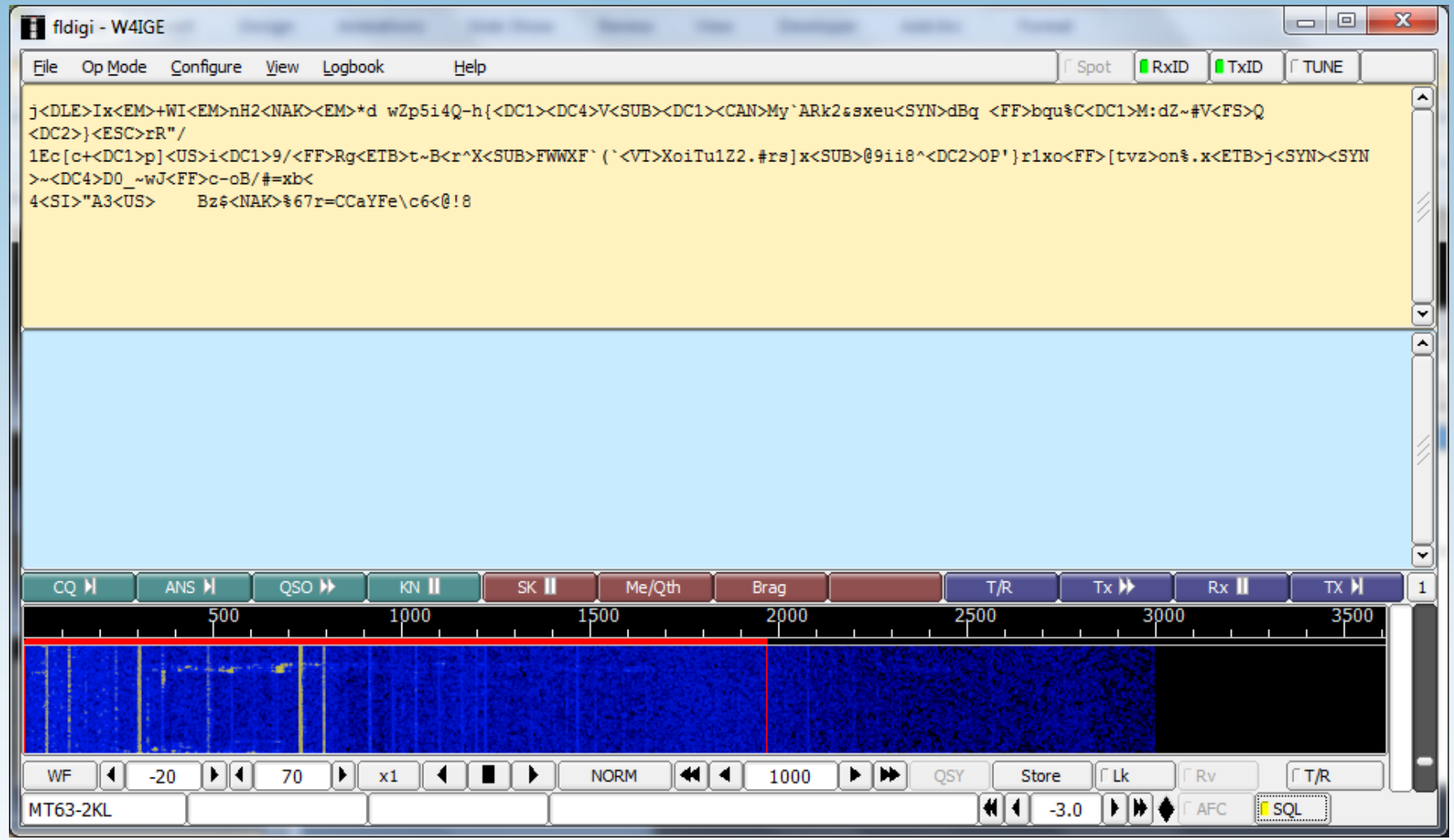
LOG

TIME	STATION I.D. FROM	STATION I.D. TO	SUBJECT
1400	KK4FGL	KK4FGK	check-in
1435	KK4FGL	W4HBS	ICS213
1440	KK4FGL	K4SDJ	D-STAR R30B check-in
1452	W3WWT	W4HBS	213 update sent to W4
1459	WS4TOT	W4HBS	KS213 Check in
1504	KX4HA	W4HBS	KS 213 Check in
1600			securing station

Typical ICS Forms:

ICS-213 Message, ICS-309 Comm Log (shown above from Duluth Hospital's 1st activation)

ICS-214 Activity Log


fldigi - W4IGE
File
Op Mode
Configure
View
Logbook
Help
Spot
RxID
TxID
TUNE
j<DLE>Ix<EM>+WI<EM>nH2<NAK><EM>*d wZp5i4Q-h{<DC1><DC4>V<SUB><DC1><CAN>My`ARk2&sxeu<SYN>dBq <FF>bqu%C<DC1>M:dZ~#V<FS>Q
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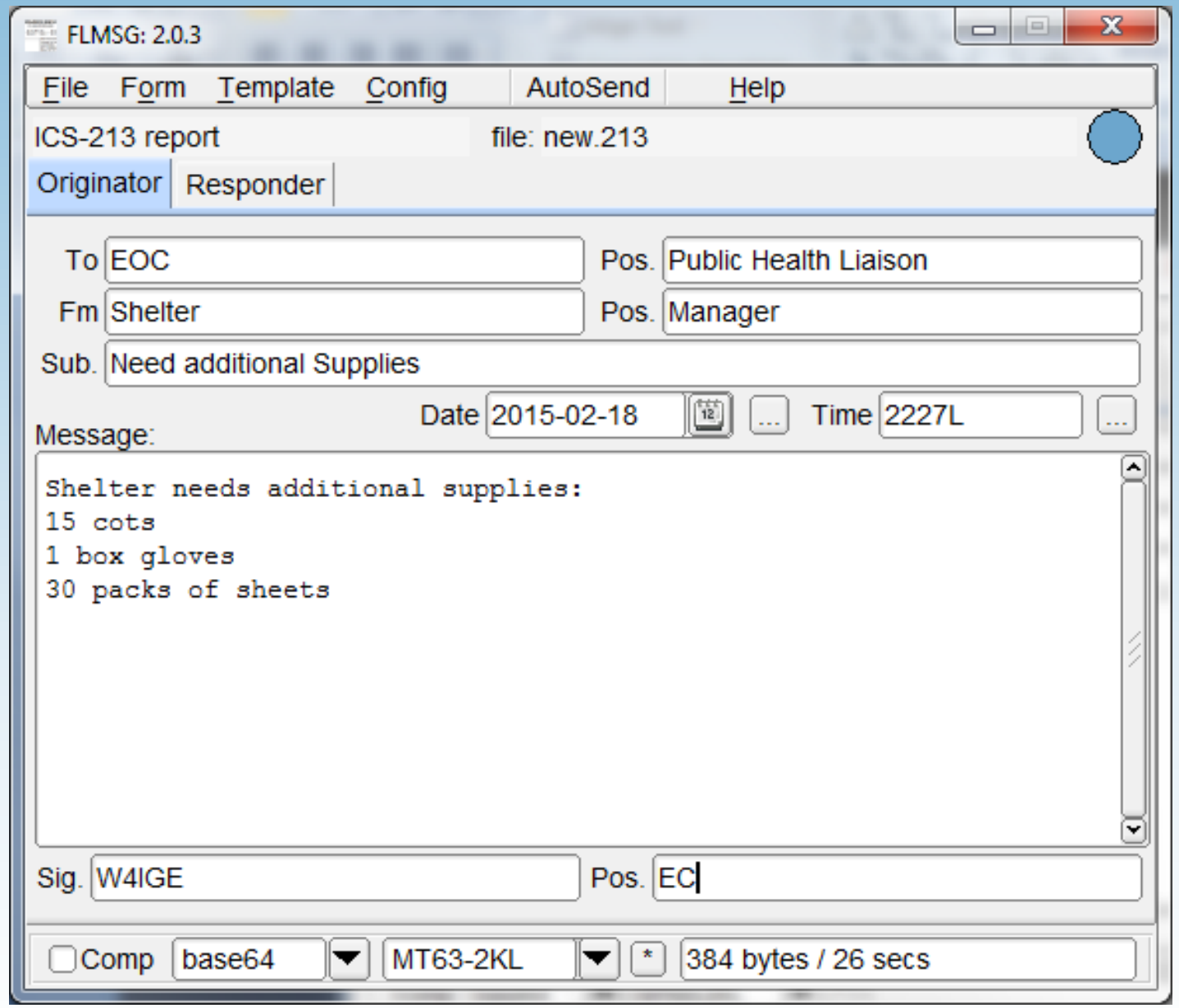
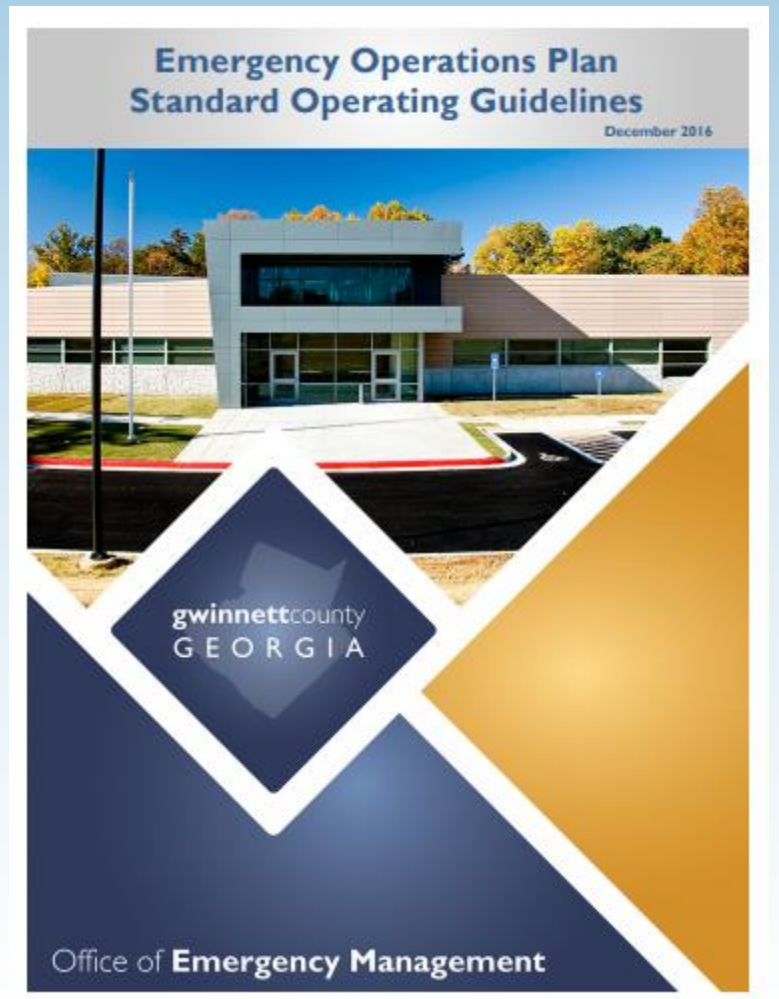
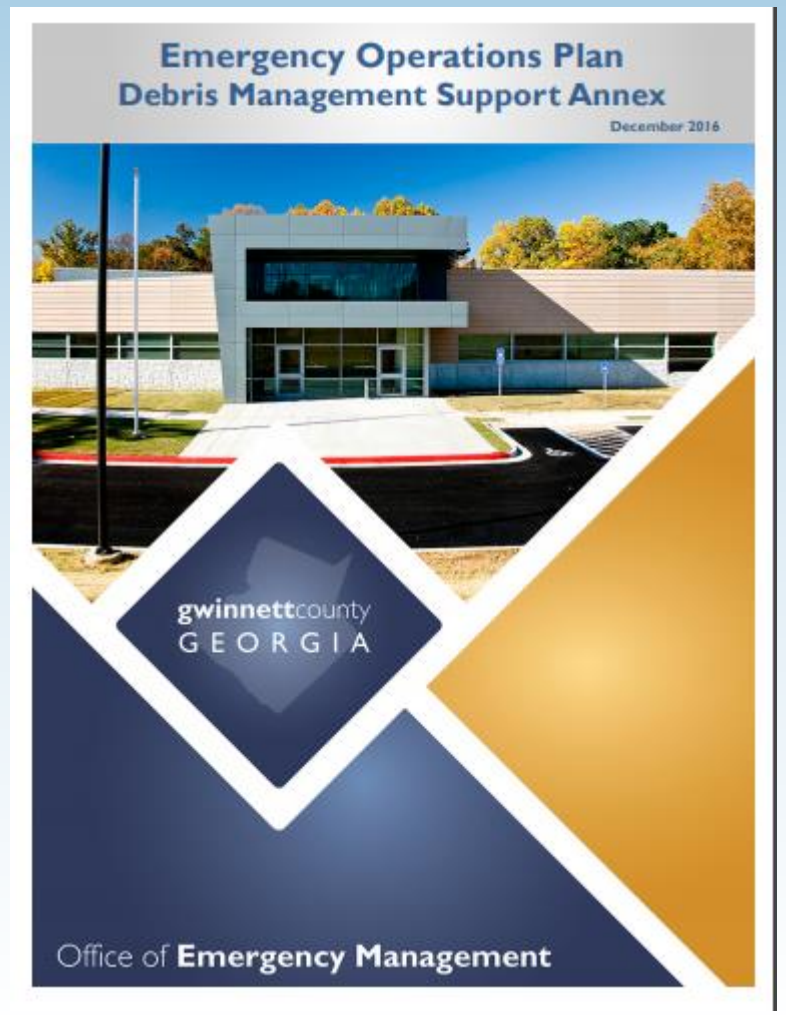
>~<DC4>D0_~wJ<FF>c-oB/#=xb<
4<SI>"A3<US> Bz$<NAK>%67r=CCaYFe\c6<@!8
CQ
ANS
QSO
KN
SK
Me/Qth
Brag
T/R
Tx
Rx
TX
1
500
1000
1500
2000
2500
3000
3500
WF
-20
70
x1
NORM
1000
QSY
Store
Lk
Rv
T/R
MT63-2KL
-3.0
AFC
SQL


FLMSG: 2.0.3
File Form Template Config AutoSend Help
ICS-213 report
file: new.213
Originator Responder
To EOC
Pos. Public Health Liaison
Fm Shelter
Pos. Manager
Sub. Need additional Supplies
Date 2015-02-18
Time 2227L
Message:
Shelter needs additional supplies:
15 cots
1 box gloves
30 packs of sheets
Sig. W4IGE
Pos. EC
Comp
base64
MT63-2KL
384 bytes / 26 secs

Gwinnett ARES participates in the Annual ARES Simulated Emergency Test(SET).





County Radio System Failure

Flooding (remember Sept 2009)

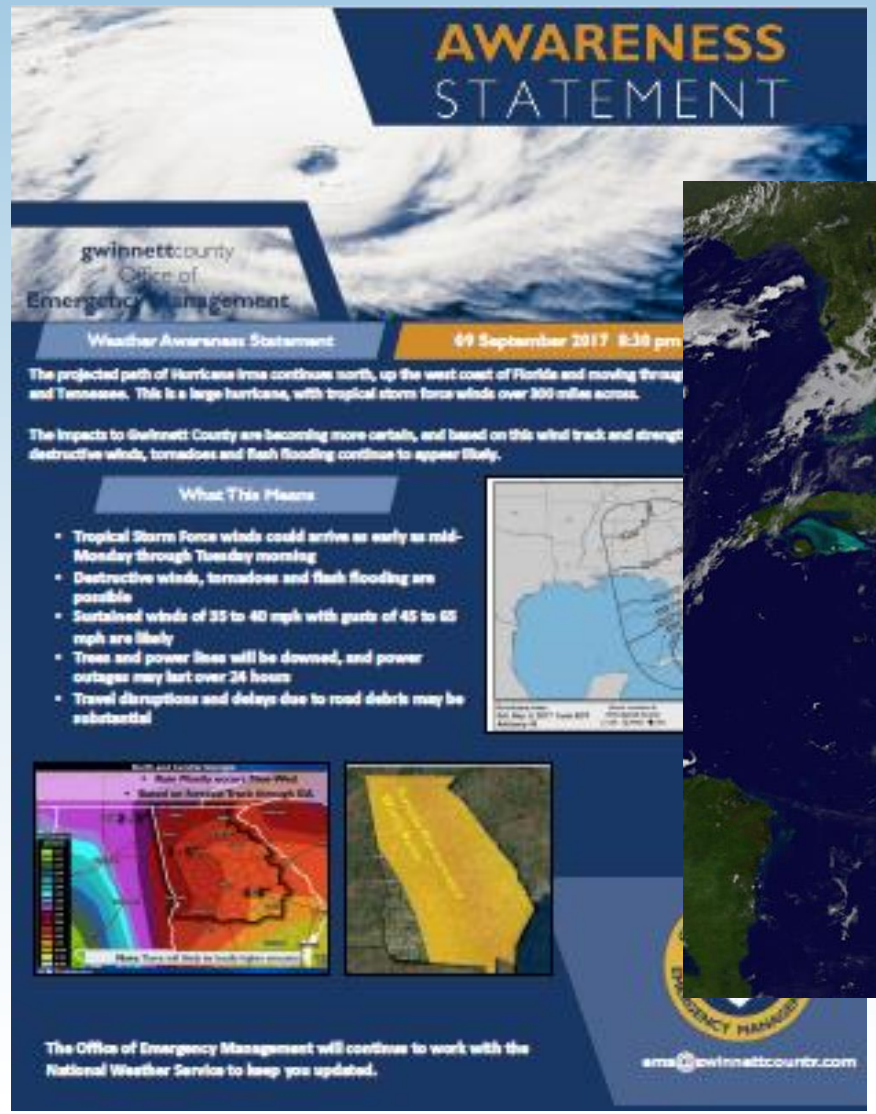
Pandemic Outbreak

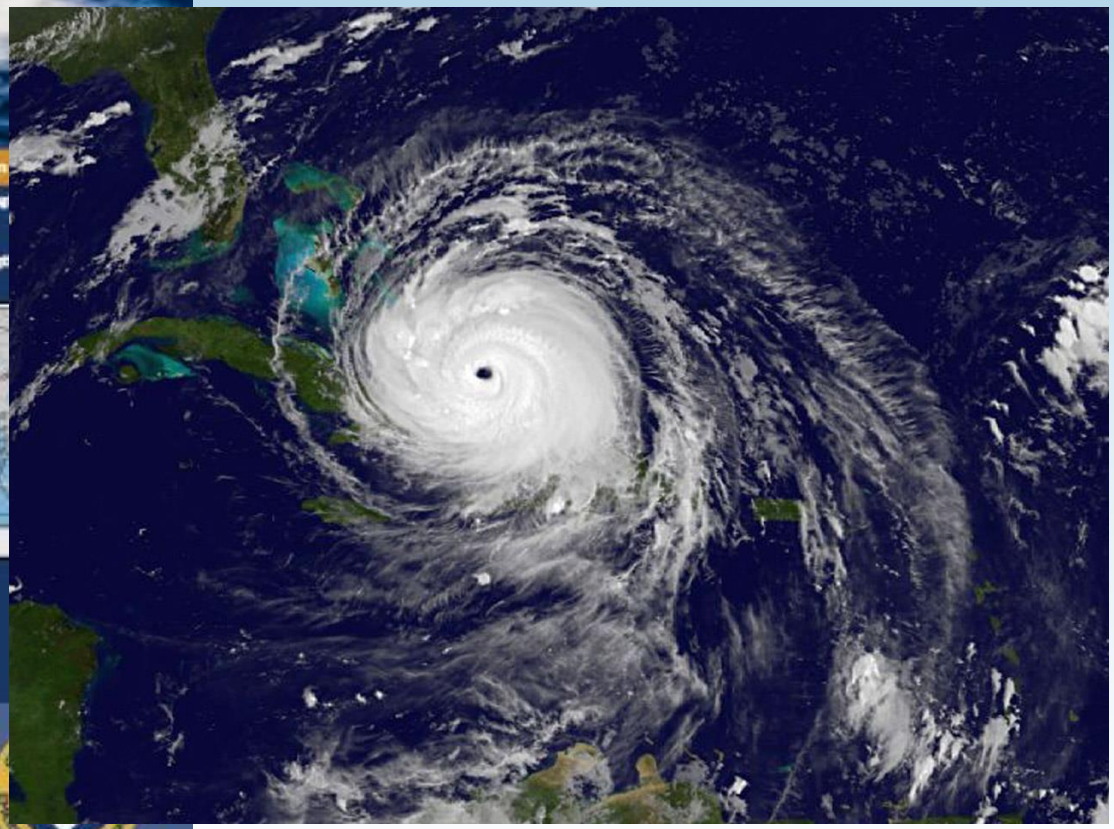
Ice Storm Debris Removal

Post Tornado Sheltering

Chemical Spills and Resulting Evacuations

Hurricane (right after Irma)





Gwinnett ARES participates in multiple field and public service events every year:

- Field Day
- Dacula Memorial Day Parade
- Stone Mountain Hamfest
- TechFest
- JOTA (Jamboree On The Air) with the Boy Scouts

Gwinnett ARES participates other events:

- Gwinnett Sheriff's Jailbreak Challenge Obstacle run
- Children's Healthcare of Atlanta Christmas parade
- Big Peach Sizzler 10K race
- Georgia Gwinnett College Public Safety Fair
- Gwinnett Public Safety Fall Festival

Gwinnett Sheriff's Dept. Jailbreak Challenge

CHOA Christmas Parade (Trailer Net Control)

Big Peach Sizzler 10K Road Race

Georgia Gwinnett College Public Safety Fair

What does it take to join Gwinnett ARES:

- Be a Licensed Amateur Radio operator
- Fill out an application online
- Take and pass an online skills test
- Pass 4 online FEMA ICS training courses
- Participate in nets and meetings
- Participate in 2 field qualifying events per year

- Gwinnett ARES monthly meetings are on the fourth Tuesday of each month at 7:30pm at the Gwinnett Emergency Operations Center, 800 Hi Hope Road in Lawrenceville.

  - Join us for our weekly Training Net each Monday evening at 8:30pm on the GARS repeater, 147.075+ (PL 82.5)
  - Join us for our weekly Digital Training Net each Monday evening after the Training Net

- Visit our website, www.GwinnettARES.org, for complete information about Gwinnett ARES.

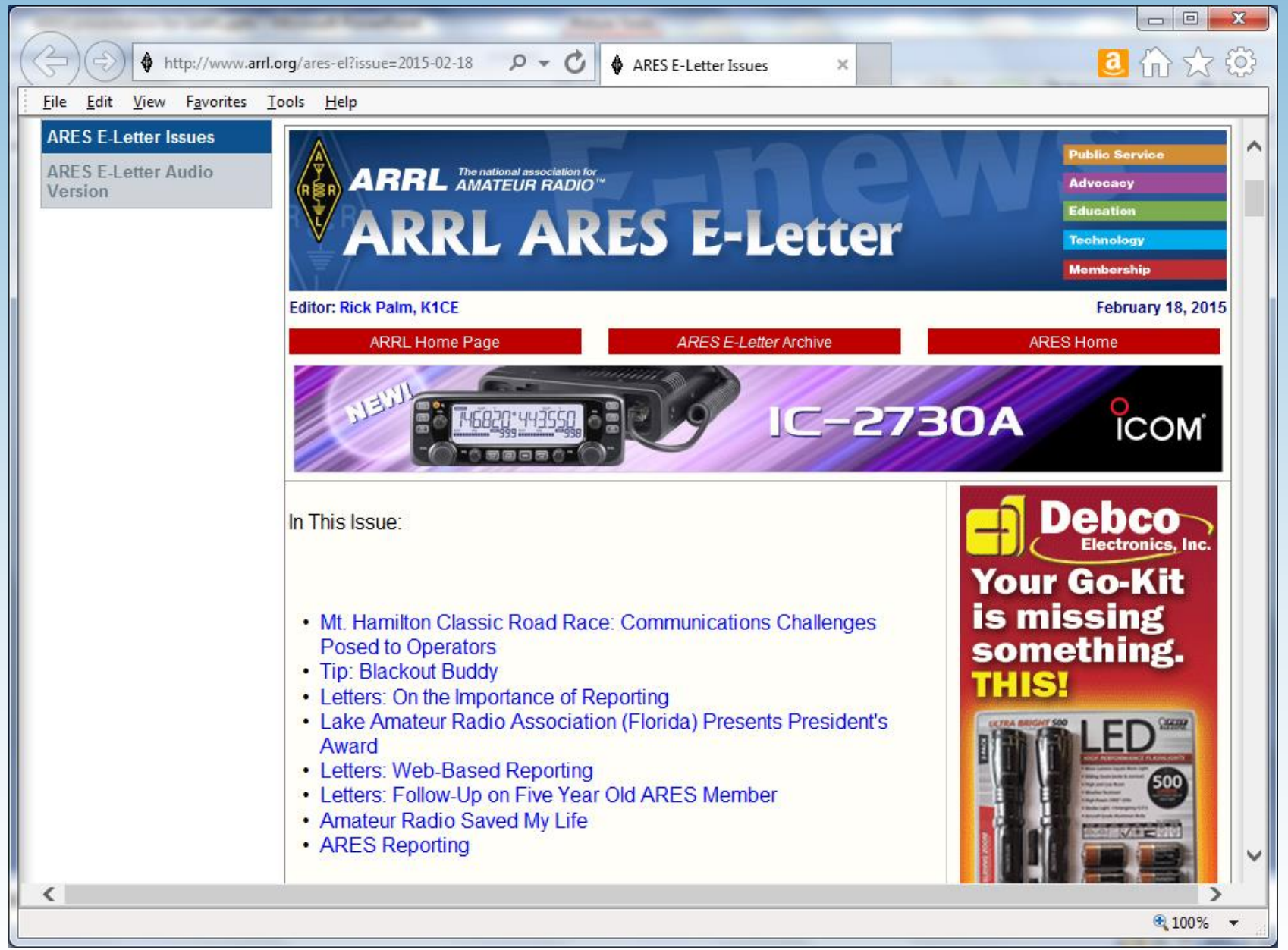
- Join us on Facebook

  www.facebook.com/gwinnettares

Read about ARES groups in QST and ARRL ARES newsletter

Examples of ARES Deployments in the US:

- 911/public safety communication failures
- Hurricanes/Tornados
- Fires
- Floods
- Ice storms
- Power Outages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• Mt. Hamilton Classic Road Race: Communications Challenges Posed to Operators
• Tip: Blackout Buddy
• Letters: On the Importance of Reporting
• Lake Amateur Radio Association (Florida) Presents President's Award
• Letters: Web-Based Reporting
• Letters: Follow-Up on Five Year Old ARES Member
• Amateur Radio Saved My Life
• ARES Reporting
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TR Switch
An inside look at the Cascadia Rising exercise, page 65

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