

Gulf Coast MS ARES 3 May 2025 ARES SEC Meeting

KC5IMN, Robert Hayes SEC MS
Section ARES KC5IMN@Arrl.net



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Topics covered:

1. Simulated Emergency Test: Describe and an overview of successes
2. What is ARES
3. Training requirements, how to sign up
4. Qualifications for membership (when you need an ARRL membership to be a Sr. Leader)
5. How ARES works in MS, W5XX, KC5IMN, DEC's, EC's AEC's
6. ARRL required monthly reporting: How MS ARES does it
7. Google Survey, Form 2, and Form 4
8. ICS-205 for MS ARES
9. Digital Radio for ARES
10. The use of linked networks and Hot-Spots to support wide-area storm reporting/spotting
11. Storm Spotting for MS- We need coordination and updating of processes



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SET: What is it?

The main purpose of the SET is to evaluate strengths and weaknesses in Amateur Radio emergency preparedness as well as to demonstrate amateur radio to our served agencies and the general public.

We plan to use the following bands and modes from the field, in the mobile, at EOC's and at other served agency locations:

- HF, VHF, UHF
- Analog Voice, SSB,
- Digital voice and data,
- Packet and APRS for good measure.



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What is being simulated?



- This SET will simulate a a scripted scenario that revolves around responses to local terror attacks to the homeland.
 - Not only will we be looking to exceed our scores from last year's SET, but we will be make ourselves very visible to our public in the best manner possible.
- There will be coordination meetings and phone calls going on all month.
- Each County EC will come up with his/her own county's scenario specifics based on the above SET Scenario Script.
- Each County ARES Team, in planning their specific scenario, should leverage the script and then tailor their simulated ARES response to the effects which would be most likely to occur in their county if a real communications disruption occurred.

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Protecting the Homeland

Scenario Overview:

- At 08:00 AM, Saturday 9 August, multiple explosions and armed attacks will occur simultaneously along major interstate highways and critical infrastructure points.
- Reports indicate that coordinated terrorist cells, composed of radicalized immigrant groups, have executed the attacks using explosives, vehicle ramming, and small-arms fire.
- Several key highway junctions and bridges have been severely damaged, causing mass casualties and severe traffic disruptions.
 - ☐ ARES members will be asked to activate emergency operations centers (EOCs).
 - ☐ Ensure continuous situational awareness using amateur radio networks.
 - ☐ Provide clear, timely, and accurate information to served agencies



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ARRL The National Association for
Amateur Radio®

RADIO

COMMUNICATIONS

arrrl.org/ares

What is ARES

Amateur Radio Emergency Service® (ARES) 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.

ARES Membership Requirements: Every licensed amateur, regardless of membership in ARRL or any other local or national organization is eligible to apply for membership in ARES. Training may be required or desired to participate fully in ARES. Because ARES is an Amateur Radio program, only licensed radio amateurs are eligible for membership. The possession of emergency-powered equipment is desirable, but is not a requirement for membership.

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The MS ARES Mission Statement

It is the mission of the Mississippi Section Amateur Radio Emergency Service (ARES) to serve as the coordinating point for Amateur radio operators and their served agencies in the event of a communications emergency.

ARES is a national level volunteer organization whose purpose is to serve the public by providing licensed, certified, and competent Amateur Radio communications to federal, state, county, and local government agencies, as well as to nonprofit disaster relief organizations.



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How To Become a Member of ARES

Notify Robert Hayes ,
KC5IMN@ARRL.net and get a
link to the Online Sign-up
Portal.

MISSISSIPPI



SECTION

FSD-98 ARES Registration Form

This is a site to register electronically for Mississippi Section Amateur Radio Emergency Services. Answer all the questions and once your registration is reviewed you will be directed to the appropriate ARES team for assignment. The answers go in the box just below the typed question. Call me, Robert Hayes (903.244.9254) or email rbhnds@gmail.com if you have questions. Thanks for your submission in advance, Robert KC5IMN, Section Emergency Coordinator Mississippi.

CAVEAT: Per MS ARES rules, if you are unable to participate in ARES functions for three consecutive months you will be shown as inactive and removed from mailing lists; if you will be inactive due to issues outside your control, please contact your EC and make arrangement concerning continued membership.

Counties: Please be sure to list your home county and then no more than two others that you routinely will be able to serve in.

Training: Please list all ARRL, ARES, FEMA, and/or MEMA training that you have successfully completed.

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How ARES Works in Mississippi

Mississippi Section Emergency Organization – Roles Overview

- **Section Manager (SM)** – Elected leader responsible for ensuring Mississippi Amateurs are prepared for emergencies. Appoints the Section Emergency Coordinator (SEC) and coordinates with other SMs during regional emergencies.
- **Section Emergency Coordinator (SEC)** – Appointed by the SM to oversee statewide Amateur Radio emergency operations, maintain contact with emergency management agencies, recruit and appoint District Emergency Coordinators (DECs), and lead section-level response efforts.
- **District Emergency Coordinator (DEC)** – Appointed by the SEC to manage emergency operations within a designated district. Ensures each county has a Emergency Coordinator (EC) and assists in local emergency planning and response.
- **Emergency Coordinator (EC)** – Appointed by the DEC to lead emergency communications in a county or group of counties. Works with local agencies, recruits members, manages repeater use, and conducts emergency exercises.
- **Assistant Emergency Coordinator (AEC)** – Selected by the EC to assist in various operational areas, including administration, logistics, and liaison duties. This is a local role without ARRL approval requirements.
- **Official Emergency Station (OES)** – Appointed by the SM upon recommendation, an OES is an experienced and well-equipped operator ready to provide emergency communications via HF and/or VHF using emergency power.

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Supported Events by ARES Teams Mississippi

- Runs
- Rides
- Races
- Storm Spotting
- Public Service Ops
- Emcomm Support (Fires and such)
- Parades
- Wide area event coordination (but we don't get paid)
- Civil Emergencies



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Required Monthly Reporting for EC's



ARES Form #2: Emergency Coordinator Input for Mississippi ARES

The form ARES Form #2: Emergency Coordinator Input for Mississippi ARES is no longer accepting responses.

Try contacting the owner of the form if you think this is a mistake.

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ARRL Form 2

- These are the outputs from the web form submission.
- These get created in Google Docs and then uploaded to Section Reports @ ARRL
- These reports show the activity level and operations for a month's period by reporting EC

Monthly DEC/EC Report

Amateur Radio Emergency Service			
1. Jurisdiction: Copiah, Hinds, Madison, Rankin, Scott		Date: 12/2021	
3. Total number of ARES members	24		
4. Total number of ARES Nets	8		
5. Number of ARES nets with NTS liaison	8		

6a. Number of exercises & training sessions this month	8	6b. Person hours	35.46
7a. Number of community events this month	0	7b. Person hours	0
8a. Number of emergency operations this month	0	8b. Person hours	0
9a. Number of SKYWARN operations this month	0	9b. Person hours	0
10a. Total number of operations	8	10b. Total Person hours Auto sums 6b, 7b, 8b, 9b	35.46
Auto sums 6a, 7a, 8a, 9a			


11. Comments: Number of ARES Nets- 8 . Number of check in's- 85 . Number of Check in's on Emergency Power- 57 . Were NTS Messages passed- No . How many? 0 . Notes for the county- Central MS Amateur Radio Association in conjunction with Central MS ARES will host a FREE half day Amateur Radio Technician class Saturday, February 12, 2022 from 8 am to 12 noon for anyone interested in getting their entry level ham radio license. The class will be held at the Crossroads of Life Church at 6775 S. Siwell Rd. in Byram, MS. The class is designed to supplement one's own self-study. It will not replace it. Testing for the Technician exam as well as General and Extra will follow at 1 pm. To register for the class (required) send your name, phone number, and email address to Pkyle0501@gmail.com. To register for the test (required) contact Brian at 601-741-0873. He prefers a text.

Signature: Maury Mullins	Title: EC	Call sign: KG5SQZ
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From Form 2 to Form 4



ARRL
The national association for
AMATEUR RADIO®

ARES Field Reports

Login: Robert Hayes, KC5IMN, MS SEC

ARES Home Submit Form 4 List Reports

Form 4 - ARES Monthly SEC Report

Use this form to enter your monthly Section Emergency Coordinators Report. You may save a partially completed report by clicking on the [Save](#) button. Click on the [Submit](#) button to submit your report when it's complete. [Instructions](#)

1. Section: Mississippi 2. Month/Year: December 2021

3. Total number of ARES members:

4. Number of DECs/ECs reporting this month:

5. Total number of DECs/ECs appointed in section:

6. List call signs of DECs/ECs reporting:

7. Number of ARES net sessions held:

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

9. Number of participants in nets:

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ISC-205 For Mississippi

- The Incident Radio Communications Plan (ICS 205) provides information on all radio frequency or radio system talkgroup assignments for each operational period
- The MS version is a living document, available online upon request.
- The document is tabbed by district
- Please take the time to review and report errors and updates

HOW TO FILL-UP THE FORM:		INSTRUCTIONS
BLOCK NO.	BLOCK TITLE	
1	Incident/Event Name	Enter the name assigned to the incident/event.
2	Operational Period	Enter the start date (month-day-yyyy) and time (24 hour format) and end date and time for the operational period to which the form applies.
3	Basic Radio Channel Utilization	Enter the details of the radio communication methods assigned and used for the assigned ICS position. <ul style="list-style-type: none">• Radio Type – enter the type of communication device used (e.g. VHF, UHF, HF, etc.)• System – enter the specific location (e.g. city/municipality) covered by the communication• Channel – can be named by number or alphabet (e.g. 1, 2, 3 or A, B, C)• Function – enter the specific function of the channel (e.g. Command, Tactical, etc.)• Tone/Offset – blank field indicates that the transmission is SIMPLEX. If filled, the transmission is DUPLEX. Indicate the toneoffset (e.g. +0.00 or -0.00) for DUPLEX transmissions.• Frequency – enter the VHF, UHF, and HF frequency (e.g. VHF – 145.500MHz)• Others – enter details for other forms of communication such as mobile phones and satellite phones.• Assignment – indicate where the communication is assigned, i.e. ICS member, branch, division, group or other units.• Remarks – enter the status of the communications (e.g. functional/ operational or non-functional / non-operational). You may enter other miscellaneous information concerning repeater locations, information concerning patched channels or talkgroups using links or gphrases, etc.
4	Coordinating Instructions	Add other special instructions or reminders for communications.
5	Prepared by COML	Enter complete name of the COML, signature, date (month-day-yyyy), and time (24 hour format) the form was prepared and completed. In the absence of COML, it shall be prepared by the ISC.

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MS ICS-205 Online Resource

MS BASELINE INCIDENT RADIO COMMUNICATIONS PLAN				MS SECTION ARES HF/VHF/UHF Analog and Digital				2024 Emergency Communications Plan	Operational Period: Winter-Spring 2024	
CH Designator	Function	Repeater Call Sign Or Net Name	Jurisdiction-County	Assignment	RX Freq	RX Tone	TX Freq	Tx Tone	Mode	Remarks
6 Meter Coord	Support	MS ARES 6 Meter Support Coordination	All	All MS ARES HF Radios	50.185	None	50.185	None	SSB	* New for 2023
6 Meter Tact	Tactical	MS ARES 6 M FM TACT CH	All	All MS ARES HF Radios	52.510	88.5	52.510	88.5	FM	* New for 2023
2 Meter Calling	Tactical	146.52 National Calling 2 Meter	All	All MS ARES 2 Meter Radios	146.520	None	146.520	None	FM	* For Initial comm support
ARES Simp 1	Tactical	146.54 ARES 2 Meter Simplex	All	All MS ARES 2 Meter Radios	146.540	88.5	146.540	88.5	FM	* For operations coordination
ARES Simp 2	Tactical	146.57 ARES 2 Meter Simplex	All	All MS ARES 2 Meter Radios	146.570	88.5	146.570	88.5	FM	* For operations coordination
ARES Simp 3	Tactical	446 ARES 440MHz Simplex	All	All MS ARES 440MHz Radios	446.000	100	446.000	100	FM	* For close range
MSN 75M	Command	Magnolia Section Net 75 Meter	All	All MS ARES HF Radios	3.8625	None	3.8625	None	SSB	* Morning HF Command Net
MS ARES 40M	Command	MS ARES Daytime 40 Meter	All	All MS ARES HF Radios	7.238	None	7.238	None	SSB	* Daytime Command Net
MSPN 75M	Command	MSPN 75 Meter	All	All MS ARES HF Radios	3.882	None	3.882	None	SSB	* Evening Command Net
MS-NB54MS	Command	MS ARES NB54MS Net 80 Meters	All	All MS ARES HF Radios	3581.000	None	3578.000	None	HF Digital	* Freq 3.594.4, USB, Oliva
BPO32 - WSWA-1	Support	MS ARES BPO32 Node	All	All MS ARES HF Radios	3589.5 Dual	None	3591. Center	None	HF Digital	* Winlink Express in VARA or
MS Winlink NET	H&W	MS ARES Winlink NET - See NCS in	All	All MS ARES HF Radios	Various	None	Various	None	HF Digital	* Winlink Express in VARA
Intra-State Coord 60M	H&W	Intra-State 60 Meter CH#4 Coordination Net	All	All MS ARES HF Radios	5.3715	None	5.3715	None	SSB	* For Intra-State
Delta ARES Net	Command	Delta Section ARES Net 40 Meters	All	All MS ARES HF Radios	7.275	None	7.275	None	SSB	* Daytime Freq. Net will be
Delta ARES Net	Command	Delta Section ARES Net 75 Meters	All	All MS ARES HF Radios	3.890	None	3.890	None	SSB	* Night time Freq. Net will be
DRSN	H&W	Daytime Region 5 Net 40 Meters	All	All MS ARES HF Radios	7.280	None	7.280	None	SSB	* 1525z and 2025z Daily
Open	Command	Daytime Region 5 Net 80 Meters	All	All MS ARES HF Radios	3.567	None	3.567	None	CW	* 0030z Daily
MS RMS Gateways	Command	RMS Gateways/P2P	All	MS Southern Counties	145.010	None	145.010	None	FM-APSK	* 5-10 Gateways Available
ARES NWX service	Command	WCSLA	All	MS Southern Counties	147.270	None	147.870	114.8	FM	* NWX Service Sidelink tie-in
ARES tactical repeater	Command	Winlink Gateway KB5VE-10	All	District 8 & surroundings	145.030	None	145.300	None	FM	* Delta gateway
Open	Command								FM	*
Open	Command								FM	*
Open	Command								FM	*
Open	Command								FM	*

Prepared By (KC5IMN)
Robert Hayes KC5IMN Section Emergency Coordinator MS ARES

Incident Location Mississippi
 County State Latitude Longitude

The convention calls for frequency lists to show four digits after the decimal place. All channels are shown as if programmed in a control station, mobile or portable radio and assumes a radio can use channel names and numbers. Repeater and base stations must be programmed with the Rx and Tx reversed

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Enhancing Statewide Amateur Radio Emergency Services with VHF/UHF Analog Repeaters, DMR, and HF-NVIS

- For 2025, the SET will be managed via all three services Analog Repeaters, Networked DMR (repeater and hot-spots), as well as HF-NVIS (3862 KHz SSB and 3581 KHz Digital Operations).
 - We will need net control operators for DMR and HF-NVIS as these two services cover local, regional, and intrastate communications.
 - ARES team members will use local Analog Repeaters to provide and receive tactical information to other ARES team members and served agencies.
- Each district Emergency Coordinator shall establish processes to provide information to and from tactical scenes.
 - It will be at the DEC's discretion on which of the three services will be used to pass traffic.

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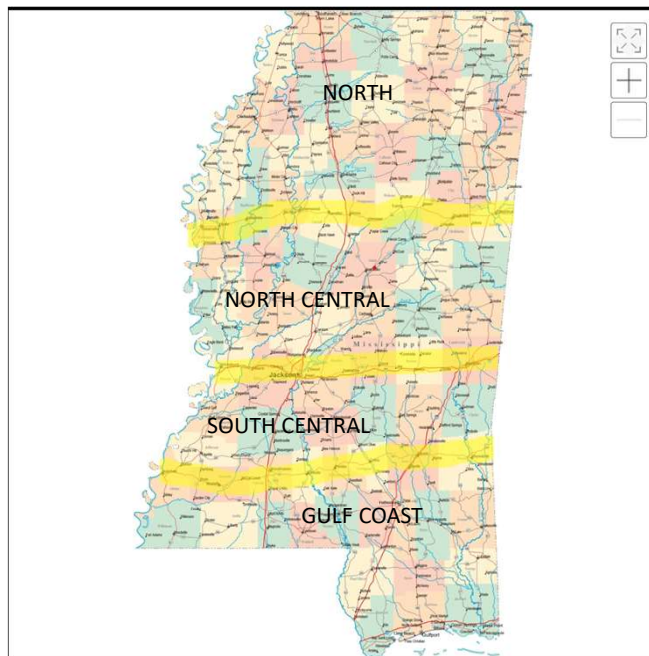
EMPHASIS ITEMS SET 2025

- ARES team members should be able to operate for 72 hours without resupply.
 - Includes personal items and food
 - Extra batteries, antennas, printed material
 - Not totally dependent on mobile phones LTE or 5G services
- 3862KHz LSB analog voice is still the primary statewide EMCOMM channel for ARES emergencies.
 - Practice with and the ability to switch between NVIS 75, 60, 40 meter NVIS is highly encouraged (will your radio and antenna work on 60 meters?)
 - VHF/UHF analog and digital (DMR) voice are secondary fail-over to bad NVIS propagation.

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New ARES
Districts
Proposed for
MS ARS



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Contact Information:

Robert Hayes
KC5IMN
KC5IMN@arrl.net
903-244-9254

