

ARES Oklahoma
Creek County 2020
Emergency Coordinator
Mike Toole, KI5EGH

Creek County ARES Oklahoma Operations Manual

Scope

To identify the standard operating plan of the Creek County ARES Oklahoma group in support of the ARES Section plan, when in an emergency scenario as well as responsibilities and expectations of the Creek County ARES leaders and volunteers. The emergency scenario may be in Creek or surrounding counties.

Creek County ARES Oklahoma follows the Incident Command System along with the National Incident Management System when deployed and during emergency situations. When Creek County ARES Ok. Is deployed to a Partner Agency, Creek County ARES Ok. Personnel and Representatives will follow the Partners guidelines of communication and activity. In most instances the partner Agency will be following those same systems. However, that may not always be the case.

Recommended manuals and required training;

ARES Oklahoma Section Em Comms Plan

Amateur Radio Emergency Services ARES Field Resources Manual

Amateur Radio Emergency Service Manual 2015

IS-100.b - Introduction to Incident Command System (ICS)

IS-200.b - ICS for Single Resources and Initial Action Incidents)

IS-700.a - National Incident Management System (NIMS) - An Introduction

IS-800.b - National Response Framework, An Introduction

EC-001 - ARRL Intro to Emergency Communications

ARRL Band Plan

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Responsibilities and Authorities

1. Emergency Coordinator

Is ultimately responsible for all Creek County ARES OK. Operations. Once notified of an emergency and the intent to deploy resources, the Emergency Coordinator (EC) will institute the call up plan and levels.

The EC will also contact the local Emergency Management Office and start coordinating efforts and activities. The EC will also identify the location of the Command Center if required and direct the appropriate personal to that location.

Once the previous information is gathered, the EC will decide what nets are needed to accomplish the initial plan. The EC will inform the AEC(s) of the needed Nets and the AEC will begin Net Control Station operations in their immediate location or while enroute to the command center as directed.

Once the AEC's are activated and in place, the EC will act as Net Manager to ensure effective and efficient message transfer between stations and Partner agencies. The EC will also pass the resources available from the resource net to the partner Agency or the Incident Commander as the structure dictates. Ultimately the Creek County ARES Ok EC will fall in place in the ICS as needed to ensure smooth and effective communications are passed by the Creek County ARES OK. Group.

2. Assistant Emergency Coordinator

Once mobilized or informed of the need by the EC, the AEC will gather their day/72hr packs and equipment as needed and begin notifying subordinates on the appropriate call up plan. Creek County currently has 2 AEC's in this scenario one AEC can begin call up activities while the second can relocate to the command center or initiate the needed Nets from his/her home station. Once the call up plan is completed, the second AEC can assist the first AEC by maintaining logs or acting as a liaison Net control operator as the situation requires. Both AEC's will work together to cover all the tasks necessary to cover the initial response. Afterwards, the AEC's will alternate NCS Operator duties giving the other necessary rest time.

3. Volunteers

The Creek County ARES OK. Volunteers are expected to be ready in a moment's notice. The first order of business for the volunteer is to make sure the volunteer's family is safe and taken care of. Once the family is in order, the volunteer can make himself/herself available for deployment. By this time one of the AEC's will have attempted to contact the volunteer via the approved means. If by some chance this has not yet happened, the volunteer can check in to the Resource Net as indicated in this manual and let the NCS Operator know the volunteer is available. Do Not Self Deploy! Monitor the resource net and wait for further instructions. Then follow those instructions and perform as recommended in the ARES Field Resources Manual and the ARES Manual.

Frequencies and Modes

1. Repeaters - Technician licensed and above

- a. Primary Creek County Repeater is 145.430 in Sapulpa, it has a negative offset and a PL tone of 88.5
- b. Back up Creek County Repeater is 444.075 in Mounds. It has a positive offset and a PL tone of 71.9

Note: it is recommended to also have programmed in to your radio the output and input frequencies of the repeaters in a simplex mode to ensure you can tell if the repeater is functioning and contacts calling in to the repeater can be heard if in reach.

2. Simplex Frequencies – technician licensed and above

- a. Initial monitoring 146.520 MHz
- b. Resource Net 146.550 MHz
- c. Tactical Net 146.580 MHz
- d. Digital (Fldigi suite) comms 145.010

3. HF Frequencies – General licensed and above

- a. 20 meter
 - i. 14.228 MHz USB primary (up 0.002 MHz for QRM)
 - ii. 14.320 MHz secondary (up 0.002 MHz for QRM)
- b. 40 meter
 - i. 7.260 MHz LSB primary (up 0.002 MHz for QRM)
 - ii. 7.200 MHz LSB secondary (up 0.002 MHz for QRM)
- c. 80 meter
 - i. 3.930 MHz LSB primary (up 0.002 MHz for QRM)
 - ii. 3.900 MHz LSB secondary (up 0.002 MHz for QRM)

- d. 6 meter
 - i. 50.900 USB primary (up 0.002 MHz for QRM)
- e. CW
 - i. 80 meters 3.585.50 MHz (up 0.002 MHz for QRM)
 - ii. 40 Meters 7.0285 MHz (up 0.002 MHz for QRM)
- 4. Winlink Nodes and frequencies
 - a. 2m/70cm 145.010 MHz Simplex (P2P MSG Mode)
 - i. KI5EGH node for in county contacts
 - 1. All messages will then be relayed via HF to appropriate stations.
 - b. HF bands
 - i. Winlink MSG Mode
 - ii. To Winlink Nodes suitable to conditions as appropriate
- 5. FLDigi/FLMsg/FLArq/FLAmp frequencies
 - a. 2M/70CM Simplex 145.010 MHz primary
 - i. Operation Mode PSK1000R center frequency 1500
 - 1. Backup frequencies 145.030 & 145.050 MHz. as needed
 - b. 80 M HF simplex 3.595 00 MHz. Primary
 - i. Operation Mode MFSK32 center frequency 1500
 - 1. Backup Frequencies adjust for QRM as needed

Activation

- 1. Skywarn Weather Nets
 - a. 145.43 MHz Repeater in Sapulpa.
 - b. Rotating NCO Schedule
 - c. Liaison Net configuration
 - i. Pass validated minimum level reports to WX5TUL/Superlink system as needed.
- 2. Call up plan
 - a. EC - Once the EC has been informed that an activation is approved, the EC will immediately contact the Creek County ARES Ok. Officers via their contact information provided to the ARESOK.ORG database or via the primary frequencies listed in this manual. The initial instructions will include call up levels and command center location as necessary.
 - b. AEC - As directed the AEC will begin contacting the volunteers listed in the ARESOK.ORG database and instruct them to the appropriate Net and take an initial assessment as to whether the volunteer is available for deployment. The AEC will continue down the list until all volunteers have

been contacted or all efforts have been made to reach all listed volunteers. As time allows, the AEC will continue to attempt to contact volunteers that AEC has previously been unsuccessful in contacting.

3. Call up levels

a. Minimal

i. EC, AEC other officers as needed. The EC will contact all Creek County Officers and inform/deploy as needed.

b. Complete

i. EC, AEC, other officers and all volunteers. The EC and AEC will follow call up procedures listed in paragraph 1 above.

c. Ad Hoc

i. The EC can identify specific volunteers due to their individual training and capabilities as needed to facilitate the incident. Those volunteers will be contacted as instructed by the AEC

4. ARES Oklahoma Chain of Command 2/2/2021

Section Resources					
Callsign	Name and Title	Phone Numbers	E-Mail Address	Pager Numbers	Location
N0IRW	Kevin O'dell SM	5802209062	n0irw@me.com, sailplanern0irw@gmail.com		Stillwater OK
N7XYO	Mark Conklin SEC	9182328346	n7xyo@yahoo.com, n7xyo@arrl.net		Mounds OK
KC5UNL	Roland Stolfa ASEC(IT Manager)	5802228814	rstolfa@yahoo.com		Ardmore OK
N5CEG	Charles Goodson ASEC	5806186076	n5ceg@yahoo.com		Sulphur OK

Zone Resources					Zone Code 5
Callsign	Name and Title	Phone Numbers	E-Mail Address	Pager Numbers	Location
KF5VIA	Chuck Good TC	9182467322, 9183449695	rgoodjr@gmail.com	9183449695	Sand Springs OK
WB5VST	Ben Joplin ZEC5	9186392853, 9183961651	benj1@aol.com, wb5vst@aol.com		Skiatook OK

District Resources					District Code 1
Callsign	Name and Title	Phone Numbers	E-Mail Address	Pager Numbers	Location
AE5NK1	Nathan Huffstetler DEC	9185131379	ae5nk@yahoo.com, nathan.huffstetler@CTCA- HOPE.com		Tulsa OK

County Resources					Creek County - #19
Callsign	Name and Title	Phone Numbers	E-Mail Address	Pager Numbers	Location
KI5EGH	Mike Toole EC	9185201809, 9185201809, 9185201809	ki5egh@yahoo.com, ki5egh@yahoo.com, ki5egh@yahoo.com		Sapulpa OK
AF5CQ	Richard Kruse AEC	9186054131	af5cq@ionet.net, bulldog@ionet.net, rick.kruse@earthlink.net	9186054131	Sapulpa OK
K5MWP	Michael Paxman AEC	9187065246	K5MWP@arrl.net		Depew OK

Preparedness

All members of ARES Oklahoma are expected to be prepared for anything that comes along and at a moment's notice. ARES and the ARRL provide needed training and recommendations for equipment, antennas, cables, tools and the like. The reason for this is simple. When the time comes and you are needed to deploy, that is not the time to be looking for and trying to gather the necessary items for your deployment. Nor is it the time to learn skills and capabilities that might be required during the emergency deployment. Continuous training and experimentation to find out what works and what doesn't when there are no emergencies is recommended so when the time comes, you are comfortable with your equipment, skills and responsibilities. Then and only then can you be an effective member of the team.

Creek County ARES Ok. Recommends the following bags/packs be ready at all times. You should carry your day pack with you always. Because you never know.

1. Go Bags

a. Day bag / Get home bag

- i. This bag is designed to allow you to get back home during an emergency or to deploy for 1 day. There is a large number of recommended day pack configurations that can be found on the internet. 1 in particular from the Virginia ARES is highly recommended for an overall good list of general day bag items.

ii. Here is an example of a day pack

- | | | |
|---------------------|---------------------|----------------------------|
| 1. Hoodie | 8. 5x7 tarp | 14. 10' paracord |
| 2. Ball Cap | 9. 50' paracord | 15. Sun screen |
| 3. Beanie | 10. Misc pens & | 16. multi-tool |
| 4. Gloves | pencils | 17. Flashlight |
| 5. Microfiber towel | 11. Carabiners | 18. Pocket knives (2ea.) |
| 6. Poncho | 12. 12v usb charger | 19. Gerber seatbelt cutter |
| 7. Blanket | 13. Electrical tape | |

b. 72 hour pack

i. This pack must contain all the necessary items to sustain deployment without outside support for 3 days. There are many item lists for this type of pack that can be found on the internet and from other ARES units.

ii. Here is an example of a 72 hour pack content list.

- | | | |
|---|---|------------------------------------|
| 1. 3 t-shirts | 16. 1 wind of paracord | 27. Duct tape |
| 2. 2pr cotton gloves | 17. 21" Nylon strap w/rings & rubber band | 28. Skinning knife |
| 3. Beanie | 18. Sm flashlight | 29. Swiss Army knife |
| 4. 3pr underwear | 19. Headlamp | 30. Mini multi tool |
| 5. 3pr socks | 20. Pens & pencils | 31. Pliers |
| 6. 1pr. Jeans | 21. 120v wall plug USB port | 32. Multiple pocket/folding knives |
| 7. 1 sweat shirt | 22. Misc coax adapters | 33. FRS radio |
| 8. Safety vest | 23. SWR/power meter and adapters | 34. Sharpening stone |
| 9. FCC license | 24. Carabiners 4ea. | 35. Fire starter |
| 10. Radio manuals | 25. Bungee cords 5ea. Misc lengths | 36. Water Filter |
| 11. 5x7 pad paper | 26. Multiple sheath knives | 37. Food |
| 12. 3x5 spiral note pad | | 38. Tent |
| 13. Beaufort wind scale chart | | 39. Bedroll |
| 14. Med ziplock bags 2ea. | | 40. Equipment |
| 15. 6 AAA batteries (1.5v) in ziplock bag | | 41. Vehicles |

2. Equipment bags/packs

a. Pelican case / Hard case

i. Your equipment should be carried in a protective case so that when you arrive at your specified location, your equipment will be functioning properly.

ii. There are many ideas and thought patterns governing equipment cases and protection. The google machine and You Tube can be a wonderful resource in identifying how you want to carry and transport your equipment.

b. Backpacks

- i. Mobile and small equipment as well as battery power can be transported and carried in specified purpose built back packs which also carry the antenna. These units are great for trekking through the Tundra or trails and mountain climbing if that is where you are deployed.
- c. Vehicles / Trailers
 - i. Your mobile unit in your vehicle can be a great resource in a remote deployment. It comes standard with battery power as well and an engine to use as a generator. As long as your fuel tank is full.
 - ii. Your mobile rig can also be dismounted and moved indoors as needed as long as there is battery power (AC to DC conversion) available. The mag mount antenna can be redeployed inside as well as long as there is a metallic ground plane to place it on.

At the end of the day, the equipment you have and regularly use for emergency management will decide what type of pack/case you will need to deploy with your equipment. Creek county ARES OK. Suggests you practice deploying with your equipment to see what ideas work and what ideas do not. Again, better to know now than when you are out in the field.

Revision History

Revision Level	Section	Change	Author
IR	All	New	M. Toole
A	Frequency & Modes section 1b, 4a, 4b, 5a, 5b	New back up repeater and Winlink changes	M. Toole
	Activation Section inserted 1	Added Skywarn Net	M. Toole
B	3D, 4 COC	New, revised	M. Toole
C	Frequencies & Modes section 3	20 meters added QRM adjustments	M. Toole