

Owen County Indiana



Amateur Radio Emergency Service & Radio Amateur Civil Emergency Service Communications Plan

Produced by Jim Baughn K9EOH

Contents

Safety..... 3

Flexibility 3

Definitions 3

ARES Organization..... 5

RACES Organization..... 7

Personnel 7

Training..... 8

Operations..... 10

APPENDIX 13

ARES Members Contact List 13

RACES Members Contact List 13

Net Scripts 13

Frequencies 18

Forms..... 21

Owen County facility locations..... 24

Response Configurations 24

Uniform Equipment Standards 25

Power Pole Connectors 25

Served Agencies 25

Other Owen County Agencies 26

Web Sites..... 26

Safety

While disaster response may require the taking of certain calculated risks in order for us to do our work, ARES members are responsible for their own safety and should do nothing that places them in personal jeopardy. The responder must be constantly aware of his surroundings including, but not limited to hazardous materials, fall hazards, animals, weather or poorly supported structures.

Flexibility

Each disaster is unique. Preparation for ARES disaster response must be comprehensive but not particular. The Owen County method for achieving this is to prepare basic response elements (people, equipment, power sources, procedures and supplies) thoroughly. Then upon mobilization, these elements will be integrated to mitigate the effects of the particular disaster with the most efficiency.

Definitions

Amateur Radio Emergency Services (ARES)

The Amateur Radio Emergency Service (ARES) consists of licensed amateurs who have voluntarily registered their qualifications and equipment for communications duty in the public service when disaster strikes. Every licensed amateur, regardless of membership in ARRL or any other local or national organization is eligible for membership in the ARES. The only qualification, other than possession of an Amateur Radio license, is a sincere desire to serve. Because ARES is an amateur service, only amateurs are eligible for membership. The possession of emergency-powered equipment is desirable, but is not a requirement for membership.

Amateur Radio Relay League (ARRL)

Founded in 1914, the 150,000-member ARRL - The National Association for Amateur Radio[®] is the national association for Amateur Radio in the USA. The ARRL is the primary source of information about what is going on in the ham radio world. It provides books, news, support and information for individuals and clubs, special operating events, all sorts of continuing education classes and other benefits for its members. Being a member of the ARRL is important for hams!

Community Emergency Response Team (CERT)

The Community Emergency Response Team (CERT) Program educates people about disaster preparedness for hazards that may impact their area and trains them in basic disaster response skills, such as fire safety, light search and rescue, team organization, and disaster medical operations. Using the training learned in the classroom and during exercises, CERT members can assist others in their neighborhood or workplace following

an event when professional responders are not immediately available to help. CERT members also are encouraged to support emergency response agencies by taking a more active role in emergency preparedness projects in their community.

Disaster

A disaster is any event, natural or man-made, that causes great harm and/or damage.

Emergency Management Agency (EMA)

Generally a county director, who coordinates activities to mitigate, prepare for, respond to and recover from disasters.

Federal Emergency Management Agency (FEMA)

FEMA's mission is to support our citizens and first responders to ensure that as a nation we work together to build, sustain and improve our capability to prepare for, protect against, respond to, recover from and mitigate all hazards.

Incident Command System (ICS)

The Incident Command System (ICS) is "a systematic tool used for the command, control, and coordination of emergency response" according to the United States Federal Highway Administration

Indiana Department of Homeland Security (IDHS)

The Indiana Department of Homeland Security provides statewide leadership, exemplary customer service, and subject matter expertise for the enhancement of public and private partnerships and the assurance of local, state and federal collaboration to continually develop Indiana's public safety capabilities for the wellbeing and protection of our citizens, property and economy.

National Incident Management System (NIMS)

The National Incident Management System (NIMS) is emergency management doctrine used across the United States to coordinate emergency preparedness and incident management and response among the public (Federal, Tribal, state, and local government agencies) and private sectors.

NIMS is a comprehensive, national approach to incident management that is applicable at all jurisdictional levels and across functional disciplines. NIMS enables us to work together to prevent, protect against, respond to, recover from, and mitigate the effects of incidents, regardless of cause, size, location, or complexity, in order to reduce the loss of life and property and harm to the environment.

Radio Amateur Civil Emergency Service (RACES)

The Radio Amateur Civil Emergency Service (RACES) is a public service provided by a reserve (volunteer) communications group within government agencies in times of extraordinary need. During periods of RACES activation, certified unpaid personnel are called upon to perform many tasks for the government agencies they serve. Although the exact nature of each activation will be different, the common thread is communications.

The Amateur Radio Regulations, Part 97, Subpart E, §97.407, were created by the FCC to describe RACES operations in detail.

WebEOC

A system used state wide by IDHS. A web-enabled crisis information management system providing secure real-time information sharing to help managers make sound decisions quickly.

ARES Organization

Membership in ARES shall consist of two levels, Affiliated and Active.

Affiliated members agree to participate in ARES responses when the emergency is major and all resources that can be brought to bear are needed. Additional participation in ARES activities is optional with the member.

Active members agree to participate fully including fulfilling the requirements set forth below.

Participate in most weekly ARES nets.

Become a Net Control Station.

Administrative

There are four levels of ARES organization--national, section, district and local. National emergency coordination at ARRL Headquarters is under the supervision of the ARRL Field and Educational Services Manager, who is responsible for advising all ARES officials regarding their problems, maintaining contact with federal government and other national officials concerned with amateur emergency communications potential, and in general with carrying out the League's policies regarding emergency communications.

National Level

At the section level, the Section Emergency Coordinator is appointed by the Section

Manager (who is elected by the ARRL members in his or her section) and works under his/her supervision. In most sections, the SM delegates to the SEC the administration of the section emergency plan and the authority to appoint District and local ECs. Some of the ARRL sections with capable SECs are well organized. A few have scarcely any organization at all. It depends almost entirely on whom the section members have put into office as SM and whom he/she has appointed as SEC.

ARRL Field Organization/Public Service Team Leader Steve Ewald, WV1X

Section Level

At the section level, the Section Emergency Coordinator is appointed by the Section Manager (who is elected by the ARRL members in his or her section) and works under his/her supervision. In most sections, the SM delegates to the SEC the administration of the section emergency plan and the authority to appoint District and local ECs. Some of the ARRL sections with capable SECs are well organized. A few have scarcely any organization at all. It depends almost entirely on whom the section members have put into office as SM and whom he/she has appointed as SEC.

Section Emergency Coordinator Larry Jones WB9FHP wb9fhp@gmail.com

District Level

At the district level, counties are included in one of 10 districts in alignment with the IDHS districts. Owen County is in District Seven which also includes Clay, Greene, Parke, Putnam, Sullivan, Vermillion and Vigo Counties.

District Emergency Coordinator Region 7 Gary Adams pgadams@aol.com (Owen, Greene, Clay, Sullivan, Vigo, Vermillion, Parke, Putnam)

Local Level

It is at the local level where most of the real emergency organizing gets accomplished, because this is the level at which most emergencies occur and the level at which ARES leaders make direct contact with the ARES member-volunteers and with officials of the agencies to be served. The local EC is therefore the key contact in the ARES. The EC is appointed by the SEC, usually on the recommendation of the DEC. Depending on how the SEC has set up the section for administrative purposes, the EC may have jurisdiction over a small community or a large city, an entire county or even a group of counties. Whatever jurisdiction is assigned, the EC is in charge of all ARES activities in his area, not just one interest group, one agency, one club or one band.

Owen County Emergency Coordinator Jim Baughn k9eoh@arrl.net, Home 812 828-0629, Cell 317 373-5193 Monitors 146.52 and 146.58 Simplex, 146.985 Spencer Repeater, 146.895 Gosport Repeater.

ARES Membership

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. Please inquire at the local level for specific information. 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.

RACES Organization

RACES operation is authorized by emergency management officials only, and this operation is strictly limited to official civil-preparedness activity in the event of an emergency-communications situation.

Owen County Emergency Management Director is Jack White
jack.white@owencounty.in.gov

Personnel

External Licensed Personnel Assets

Owen County licensed non-ARES members
Monroe County ARES/Bloomington Amateur Radio Club (BARC)
Morgan County ARES/RACES
Greene County RACES

Unlicensed Personnel Assets

Unlicensed people willing to provide meaningful assistance are welcome. Each must be responsible to a licensed operator. On-air activities by such individuals are discouraged, but possible within Federal Communications Commission regulations for the purpose of response or training.

Personal Support Expectations

During the operation, personnel are expected to provide the following support:

1. Transportation
2. VHF FM Transceiver and/or HF Transceiver (28.400 MHz Operation)
3. Antennas and Feed Lines
4. Energy sources and appropriate chargers
5. Food and Beverages
6. Other personal items such as seasonal clothing, shelter, personal items and lighting should be provided in varieties and amounts dictated by the disaster.
7. Basic tools and supplies useful for making minor repairs to equipment should be made available by each responder for his/her use.
8. All members should be self sufficient for at least the initial 24 hours of any response.

Training

Field Day

Held the first full weekend of June each year the ARRL Field Day is the single most popular on-the-air event held annually in the US and Canada. Each year over 35,000 amateurs gather with their clubs, friends or simply by themselves to operate.

ARRL Field Day is not a fully adjudicated contest, which explains much of its popularity. It is a time where many aspects of Amateur Radio come together to highlight our many roles. While some will treat it as a contest, most groups use the opportunity to practice their emergency response capabilities. It is an excellent opportunity to demonstrate Amateur Radio to local elected community leaders, key individuals with the organizations that Amateur Radio might serve in an emergency, as well as the general public. For many clubs, ARRL Field Day is one of the highlights of their annual calendar.

Simulated Emergency Test

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.

Statewide RACES Test

The directed test conducted twice a year exercises the communications between the County EMAs and the state EOC over amateur radio frequencies. The designated radio operators are encouraged to use any or all of the announced frequencies and modes to test equipment and propagation. Counties checking in are encouraged to relay for other counties to assist and ensure participation in the state test. The use of HF voice and digital modes are highly encouraged.

Weekly ARES Nets

Owen County 2 Meter Net meets weekly Wednesdays at 7:00 PM Eastern Time on the Spencer Repeater all weeks except the first Wednesday of the month when the Gosport Repeater is used.

Owen County 10 Meter Net meets weekly Tuesdays on 28.4 MHz USB at 7:00 PM Eastern Time.

Table Top Exercises

As scheduled by EMA or other Owen County Emergency Agency.

Storm Spotter Seminars

On line Storm Spotter Training - <http://www.crh.noaa.gov/ind/INDSpotter/player.html>

Each spring the Owen County Amateur Radio Association sponsors a Storm Spotter Training Class conducted by an Indianapolis NWS Warning Coordination Meteorologist. Other clubs in Indiana also sponsors a class. You need not live in the area in which the class is held as all classes are identical.

Instructor Lead Training

As scheduled by the EMA director or Emergency Coordinator.

Self Study

ARRL Courses - <http://www.arrl.org/courses-training>

Colorado Emergency Communications Material - <http://www.coloradoares.org/DRT/>
click on training link.

National Incident Management System

1. RACES and ARES members should take:
2. IS-100.b Introduction to Incident Command System
<http://training.fema.gov/EMIWeb/IS/courseOverview.aspx?code=IS-100.b>
3. IS-700.a NIMS an introduction
<http://training.fema.gov/EMIWeb/IS/courseOverview.aspx?code=IS-700.a>
4. RACES members should take:
5. IS-200.b ICS for Single Resources and Initial Action Incidents -
<http://training.fema.gov/EMIWeb/IS/courseOverview.aspx?code=IS-200.b>
6. IS-800 National Response Framework, an Introduction -
<http://training.fema.gov/EMIWeb/IS/courseOverview.aspx?code=IS-800.b>

Public Service Activities

1. Non-emergency public service activities
2. Apple Butter Festival Parade Support Communications – Third Saturday in September
3. Friends of McCormick’s Creek and OV YMCA 5 K Run/Walk Communications – First Saturday in April
4. Monthly severe weather warning siren net (First Friday at 12:00 PM each month. Net conducted on Spencer Repeater.
5. Other such events as may be requested

Operations

Owen County Emergency Response Activation

Activation Authority

1. At the request of government or public service agency official.
2. Or at the discretion of any amateur radio operator that actively supports the Owen County ARES/RACES organization, when conditions warrant.

Activation methods

1. Spencer Repeater KB9MZZ 146.985 MHz Tone 136.5
2. Gosport Repeater KB9SGN 146.895 MHz Tone 136.5
3. Ten meter simplex 28.400 MHz USB
4. 146.58 MHz Simplex
5. Telephone
6. Cell Phone Text
7. E-mail amateurs@owencountyara.org

Initial Activation

1. Activate the Net.
2. Contact Responders
3. Agree to the response deployment
4. Inform the Emergency Coordinator of the activation

Personnel Deployment

1. Net Control Station
2. Responder to Owen County Emergency Operating Center (EOC) if activated. Responder should be cleared to operate WebEOC.
3. Responders to served agencies
4. Inter-County (Gateway) operations

EOC Deployment

1. Owen County Emergency Operating Center is located in the Spencer Municipal Building 90 North West Street, Spencer.
2. RACES equipment will be set up.
3. Inter-County (Gateway) operations

Participants conduct

1. Transmit only at the request of the Net Control Station
2. Listen before Transmitting

3. Pause after pushing the transmit button to allow the repeater to activate
4. Keep transmissions brief. If a longer transmission is needed, break your transmission every 30 seconds.

Traffic handling

Tactical

1. Procedural, but conversational.
2. All third party traffic is to be logged.
3. Non-licensed third parties may use radio-transmitting equipment directly if emissions are under the direct control of a licensee. This consideration is especially useful if exchanged information is highly technical as between medical professionals.

Formal

1. Use standard ARRL or FEMA ICS-213.
2. All official messages handled for served agencies must be signed by the agency official taking responsibility for its contents. His/her title is part of the signature.
3. Stations originating and stations which are the final destination of formal messages must keep a copy of each formal message handled.

Weather Reporting Spring/Summer/Fall

1. Dedicated unlisted report line: 800-499-2133 or espotter
<http://www.crh.noaa.gov/spotter>
2. Report: Who you are, what you saw, where you saw it (county and location), when you saw it and what damage you witnessed.
3. Rain: More than two inches per hour.
4. Tornadoes, funnel clouds or rotating wall clouds.
5. Hail: Diameter greater than one-half inch (Report by diameter.)

1/4" – Pea Sized	1" – Quarter	1 3/4" – Golf ball	2 3/4" – Baseball	4 1/2" – Softball
3/4" – Penny	1 1/4" – Half Dollar	2" – Hen Egg	3" – Teacup	
7/8" – Nickel	1 1/2" – Walnut	2 1/2" – Tennis Ball	4" – Grapefruit	

Weather Reporting Winter

1. SNOW: Snowfall more than one inch per hour and/or significant blowing/drifted over one foot.
2. SLEET: Beginning and End
3. Change of precipitation type

4. Ice Accumulation and resultant electrical system outages.

APPENDIX

ARES Members Contact List

Name	Call	Home	Work	Cell	Email
Gary Armstrong	KC9AGN	879-4445			armst53@yahoo.com
John Stearley	W9DOC		879-4222		johnstearley@att.net
Jim Baughn	K9EOH	828-0629	828-0629	585-1385	K9eoh@arrl.net
Vicki McGlocklin	KC9KMV	876-1822	339-1444	360-4671	Sparky101@bluemarble.net
Chuck Henry	KC9NBV	935-7944	334-7013	325-3093	Kc9nbv@arrl.net
Jack White	KC9OQK	829-1430	829-5035	821-0710	Jack.white@owencounty.in.gov
Steve Brown	K9RTO	317 513-5687	317-339-5375	317-513-5687	K9rtolham@gmail.com
John Sullivan	WD9BKA	829-3884			Wd9bka@yahoo.com
Stu Sherfick	W9HRZ	829-6562			W9hrz@comcast.net
Kathryn Smith	K9INU	8290-2140			k9inu@arrl.net
Don Kivett	K9LME	829-3541		239 272-6830	K9lme@yahoo.com
Marvin Campbell	K9MRV	935-7682	911	272-0101	campbellclan@bluemarble.net
Tom Gwaltney	N9PDC	829-0252		219-9575	tommierg@gmail.com
Richard Eakin	WA9RXR				ikhpwood@hotmail.com
Buddy Harris	KB6YAI	828-0235			Bud_dragonfly@yahoo.com
Randall Hamilton	KC9VIJ	829-2675		227-0878	Randy.hamilton74@yahoo.com
Steve Keene	KC9QZH			585-1106	Kc9qzh@gmail.com
Jacqeline Schmidt	KC9WKS			317 296-1718	Jericho142@gmail.com
Ted Wnkler	N9LKI	812 961-0636			winklerted@yahoo.com

RACES Members Contact List

Name	Call	Home	Work	Cell	Email
Gary Armstrong	KC9AGN	879-4445			armst53@yahoo.com
John Stearley	W9DOC		879-4222		johnstearley@att.net
Jim Baughn	K9EOH	828-0629	828-0629	585-1385	K9eoh@arrl.net
Vicki McGlocklin	KC9KMV	876-1822	339-1444	360-4671	Sparky101@bluemarble.net
Chuck Henry	KC9NBV	935-7944	334-7013	325-3093	Kc9nbv@arrl.net
Jack White	KC9OQK	829-1430	829-5035	821-0710	Jack.white@owencounty.in.gov
Steve Brown	K9RTO	317 513-5687	317-339-5375	317-513-5687	K9rtolham@gmail.com
Randall Hamilton	KC9VIJ	829-2675		227-0878	Randy.hamilton74@yahoo.com

Net Scripts

ARES Weekly Net Script

1. "This is _____. All stations please stand by for the weekly Owen County Amateur Radio Emergency Service Net." (DTMF tones 222)
2. "Calling all amateur radio operators to the weekly Owen County Amateur Radio Emergency Service Net. This is a directed net, held each Wednesday evening at 7:00 PM Local Time, on the Gosport repeater the first Wednesday and the Spencer Repeater all other Wednesdays."
3. "The Spencer Repeater also serves as a meeting place in case of a disaster or communications emergency. Should the Spencer repeater be down, the Gosport repeater will be used for backup."

4. "This net is held for the purpose of handling traffic, bulletins and information of interest to local amateur radio operators. Traffic that cannot be handled directly to other counties or out of state traffic will be relayed via the Indiana Section level nets."
5. "Net control for this session is _____ and my name is _____. All radio amateur operators are welcome and encouraged to participate in this net."
6. "Are there any stations with emergency, priority or time value traffic?"
7. (Handle any such traffic now.)
8. "Are there any mobile or short time stations for check-in?"
9. (Take care of traffic and comments from this group now. They may secure when ready.)
10. (State the ID of the net and the net control operator at least every 10 minutes.)
11. "Are there any stations for check-in Alpha through Foxtrot?"
12. "Alpha through Mike?"
13. "Alpha through Sierra?"
14. "Alpha through Zulu?"
15. (List stations in order of check-in and call for any comments in rotation.)
16. "Are there additional stations for check-in or additional comments?"
17. (Take care of these now.)
18. (After all comments have been made)
19. "Does anyone have anything further for the net?"
20. (If none)
21. "There being no further business, the Owen County Amateur Radio Emergency service Net will close. This has been the Owen County Amateur Radio Emergency Service Net. Thank you for your participation. (NCS Call) and the Owen County ARES net is now closed" (DTMF tones 111)

ARES Severe Weather Net

1. This is _____. The Owen County Severe weather net is now established in (Standby/Green/Yellow/Red) Mode" (333)
2. (If Standby Mode. State reason for net. Incidental use of repeater by others is permissible.)
3. The National Weather service has issued a (tornado watch/flash flood watch, etc.) for Owen County, effective at _____ and expiring at _____.
4. (If Green –Net Activation, Yellow – Reports of Severe Weather, Red – Report of Funnel Cloud, Tornado or imminent threat to life)
5. This is a directed net. Net control is _____ and my name is _____. Unless requesting recognition for checking in or holding emergency traffic, stations will please transmit only at the direction of net control.
6. (If Green Mode – Net activated)
7. The net status is Green.
8. All Stations checking in please advise net control if your status changes.
9. When checking in, Please state your call sign, name, location and whether base, mobile or portable.
10. Are there any stations for check in?

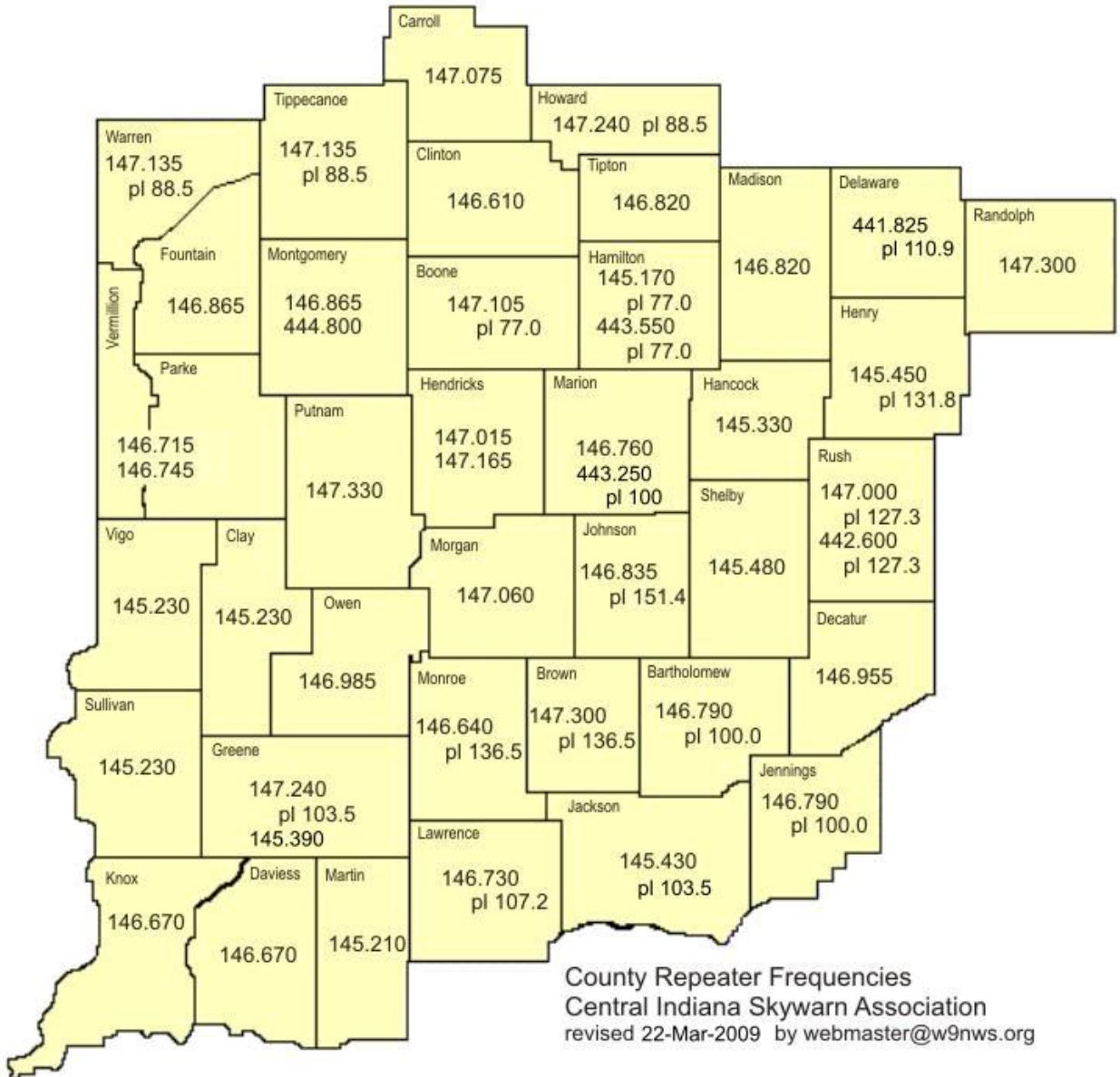
11. Alpha through Mike?
12. Alpha through Zulu?
13. (If called up by request of NWS)
14. Do we have an Indianapolis NWS liaison?
15. Monroe County Liaison?
16. Do we have a NCS backup station?
17. Any severe weather reports are to include call sign of reporting station, time of report, location, type of event and whether measured or estimated.
18. ESCALATION
19. (If Yellow Mode – Reports of severe weather)
20. The Net status is Yellow
21. 'Please report only Tornadoes, funnel clouds, rotating wall clouds, rain in excess of 2" per hour, wind greater than 50 MPH or hail greater than one inch. Keep all transmissions as short as possible.
22. (If Red Mode – Report of funnel cloud, tornado or imminent threat to life)
23. The net status is Red.
24. Hold all but tornado or imminent threat to life reports. If tornado, report location, time of report and direction of travel. Keep all transmission as short as possible.
25. (Check status of mobiles at least every five minutes.)
26. (ID net and NCS every 10 minutes.)
27. DEACTIVATION
28. (When released by the State NWS (if active) or when local weather abates, lower the net to Standby mode or end the net.)
29. THIS HAS BEEN THE OWEN COUNTY SEVERE WEATHER NET. THANK YOU FOR YOUR ASSISTANCE. THE NET IS NOW CLOSED AND THIS REPEATER IS RETURNED TO NORMAL USE (DTMF tones 111)
30. _____ Clear.
31. (Inform the state weather net control station, if active and the Owen County ARES EC of net start time, net end time, number of base station check-ins and number of mobile station check-ins.)

ARES Emergency Net

1. "THIS IS _____ THE OWEN COUNTY AMATEUR RADIO EMERGENCY SERVICE NET IS NOW ESTABLISHED IN (STANDBY/OPERATIONAL) MODE" (444).
2. (State reason)
3. If 'Standby' mode, repeat the reason frequently, and provide information as it becomes known. Incidental use of the repeater by others is permissible.
4. If 'Operational' mode, continue below)
5. "AT THIS TIME THIS IS A DIRECTED NET. NET CONTROL IS _____ AND MY NAME IS _____. UNLESS REQUESTING RECOGNITION FOR CHECKING IN, OR HOLDING EMERGENCY TRAFFIC, STATIONS WILL PLEASE TRANSMIT ONLY AT THE DIRECTION OF NET CONTROL."
6. ."IS ANY STATION HOLDING EMERGENCY, PRIORITY, OR TIMEVALUE TRAFFIC FOR THE NET?"
7. (Take care of any such traffic now.)

8. "ARE THERE STATIONS FOR CHECK-IN? PLEASE STATE YOUR CALL SIGN, LOCATION, AND AVAILABILITY FOR ASSIGNMENT:
9. ALFA THROUGH FOXTROT GOLF THROUGH MIKE NOVEMBER THROUGH TANGO UNIFORM THROUGH ZULU ANYWHERE IN THE ALPHABET."
10. (List stations in order of check-in, and maintains a list of call signs, locations, availability, and assignments.)
11. (State the ID of the net and-the net control operator at least every (10) minutes.)
12. "ALL STATIONS CHECKED IN PLEASE ADVISE NET CONTROL IF YOUR NET STATUS CHANGES, OR OF ANY IMMEDIATE NEEDS YOU MAY HAVE"
13. (The net control station may change the net status as circumstances warrant, and may determine that proper net operation does not require a net control station.)
14. (Continue net operations...)
15. (Deactivation)
16. ."THIS HAS BEEN THE OWEN COUNTY AMATEUR RADIO EMERGENCY SERVICE NET. THANK YOU FOR YOUR ASSISTANCE IN THIS COMMUNICATIONS EMERGENCY. THIS NET IS NOW CLOSED, AND THIS REPEATER RETURNED TO NORMAL USE" (111).
17. " _____ CLEAR."

Indiana Skywarn Counties and Frequencies



Frequencies

Owen County Operational

Call Sign	Frequency In	Frequency Out	CTCSS Tone	Location	Note
KB9MZZ	146.385 FM	146.985 FM	136.5	Spencer	ARES Primary
KB9SGN	146.295 FM	146.895 FM	136.5	Gosport	ARES Secondary
HF	28.4 MHz USB	28.4 MHz USB	NA	Owen County	ARES HF

Out of County Frequencies

Call Sign	Frequency In	Frequency Out	CTCSS Tone	Location	Note
WB9TLH	146.040	146.640	136.5	Bloomington	ARES Tertiary
K9IU	146.340	146.940	136.5	Bloomington	
WB9HZX	147.780	147.180		Bloomington	
N9AJS	147.660	147.060		Martinsville	ARES/Skywarn
KA9NPY	147.855	147.255		Martinsville	
W9BJJ	147.930	147.330		Putnamville	
W9HD	147.840	147.240	103.5	Bloomfield	RACES
W9UUU	146.250	146.850		Terre Haute	Skywarn
KB9SGN	448.775	443.775		Bloomington	Skywarn
N9KDB	447.425	442.425		Vicksburg	
KB9SGN	449.475	444.475	136.5	US70/US231	
NC9U	449.350	444.350	98.4	Farmersburg	
W9NWS	146.370	146.970	77.0	Indianapolis	Skywarn NWS
W9NWS	447.650	442.650	77.0	Indianapolis	Skywarn NWS

Frequencies within Owen County

1. Primary: 146.985 MHz 136.5 PL tone FM Spencer Repeater KB9MZZ
2. Secondary: 146.895 MHz 136.5 PL tone FM Gosport Repeater KB9SGN
3. Tertiary: 2 Meter simplex 146.58 MHz FM
4. Primary 10 Meter simplex 28.400 USB in parallel with any frequencies being used as listed 1-3.

Indiana Traffic Net Frequencies

Net Name	Frequency	Mode	Day	Eastern Time
IN Traffic Net (ITN)	3.910	LSB	Daily	08:30
IN Section CW Net (QIN)	3.535	CW	Daily	08:00
IN Radio Teletype Net (IRTN)	3.585	RTTY	Daily	09:00
IN Traffic Net (ITN)	3.940	LSB	Daily	18:00
IN Slow CW Net (ICN)	3.535	CW	Daily	19:00
IN Section CW Net (QIN)	3.535	CW	Daily	20:00
IN ARES Digital Net (IDN)	3.583	OVIVIA/8/5/USB	Wed	20:30
IN ARES HF Net	3.900	LSB	Sun	17:00
IN RACES Emergency	3.920	LSB		
IN RACES Emergency	7.290	LSB		
IN RACES	146.490	FM Simplex		
IN RACES W9WIN system	W9WIN linked System			
IN RACES Echolink	99735			
IN RACES Packet	w9sem@n9rod#cin.in.usa.noam			
IN RACES Winlink	w9sem-8@winlink.org			

Standard Simplex Frequencies

146.400	146.415	146.430	146.445
146.460	146.475	146.490	146.505
146.520**	146.535	146.550	146.565
146.580*	146.595		
147.405	147.420	147.435	147.450
147.465	147.480	147.495	147.510
147.525	147.540	147.555	147.570
147.582			
440.000**			

* Primary Owen County Simplex Frequency

** National Calling Simplex Frequency

Non-Amateur Frequencies

Agency	Frequency	Location
American Red Cross	47.4200 MHz	National
American Red Cross	47.4500 MHz	National
Cinergy	48.5400 MHz	Indiana
Gosport Marshal	159.0900 MHz	Gosport
Indiana SEMA	155.0250 MHz	Indiana
Indiana SEMA	3.9970	Indiana
Indiana Hospital Emergency Network	155.3400	Indiana
Indiana Law Enforcement Assistance Network	155.4750	Indiana
Indiana Military Department	41.9000	Indiana
Owen County EMA	155.0250	Indiana
Owen County Fire/EMS	154.1450	Owen County
Owen Count Fireground	154.2800	Owen County
Owen County Sheriff Base	159.0900	Digital Backup
Owen County Highway Department	151.0400	Owen County
REMC	158.1300	Indiana
Sheriff Plan A	155.1300	Indiana
Sheriff Point to Point	155.3700	Indiana
State Highway Department	47.1300	Indiana
State Highway Department	47.2800	Indiana
State Highway Department	47.3600	Indiana

Many agencies are switching to 800 MHz digital SAFE-T trunked system.

Forms

ARRL Message Form



ARRL — the national association for Amateur Radio™



RADIOGRAM

NUMBER	PRECEDENCE	HX	STATION OF ORIGIN	CHECK	PLACE OF ORIGIN	TIME FILED	DATE
TO				THIS RADIO MESSAGE WAS RECEIVED AT			
PHONE NUMBER				AMATEUR STATION _____ PHONE _____			
E-MAIL				NAME _____ E-MAIL _____			
_____				STREET _____			
_____				CITY, STATE, ZIP _____			
_____				_____			
_____				_____			
_____				_____			
_____				_____			

FROM	DATE	TIME	TO	DATE	TIME
REC'D			SENT		

This message was handled at no charge by a licensed Amateur Radio operator, whose address is shown in the box at right above. No compensation can be accepted by a "ham" operator. A return message may be filed with the "ham" delivering this message to you. Further information on Amateur Radio may be obtained from ARRL Headquarters, 225 Main Street, Newington, CT 06111 or www.arrl.org.

The ARRL is the national association for Amateur Radio and the publisher of QST magazine. One of its functions is promotion of public service communication among Amateur Radio operators. To that end, the ARRL has organized the National Traffic System for daily nationwide message handling.

1320 2/11

FEMA Message

GENERAL MESSAGE		
TO:	POSITION:	
FROM:	POSITION:	
SUBJECT:	DATE:	TIME:
MESSAGE:		
SIGNATURE:		POSITION:
REPLY:		
DATE:	TIME:	SIGNATURE/POSITION:

ICS 213

NFES 1336

Net Status Form

NET STATION STATUS

Date:

STATION LIST

#	Call Sign	Name	Location	P/M/F
1				
2				
3				
4				
5				
6				

	Call Sign	Name	Location	P/M/F
7				
8				
9				
10				
11				
12				

Hour	STATUS ISSUES							
	Security	Beverages	Food	Shelter	Energy	Fuel		

Owen County facility locations

VFD Station Locations

Station	Department
Station 1	Coal City Fire Department
Station 3	Franklin Township Fire Department
Station 4	Owen Valley Fire Department
Station 7	Patricksburg Fire Department
Station 11	Cataract Fire Department
Station 16	Clay Township Fire Department
Station 19	Gosport Fire Department

Warning Siren Locations

Encoder Number	Location
1001	Whitehall
1002	Gosport
1003	Cunot
1004	Coal City
1005	Cataract
1006	Millgrove
1007	Spencer (Cooper Park)
1008	Freedom
1009	Spencer (OVHS Baseball Field)
1010	Patricksburg
1011	McCormicks Creek School (Utility Building North)
	Hoosier Energy IN State Rd 43 and 46

Response Configurations

1. Base at home – Emergency power and fixed antennas
2. Base at EOC – portable transceiver and antenna
3. Mobile in personally owned vehicle (POV)
4. Mobile in non-amateur vehicle – Magnet mount antenna and transceiver.

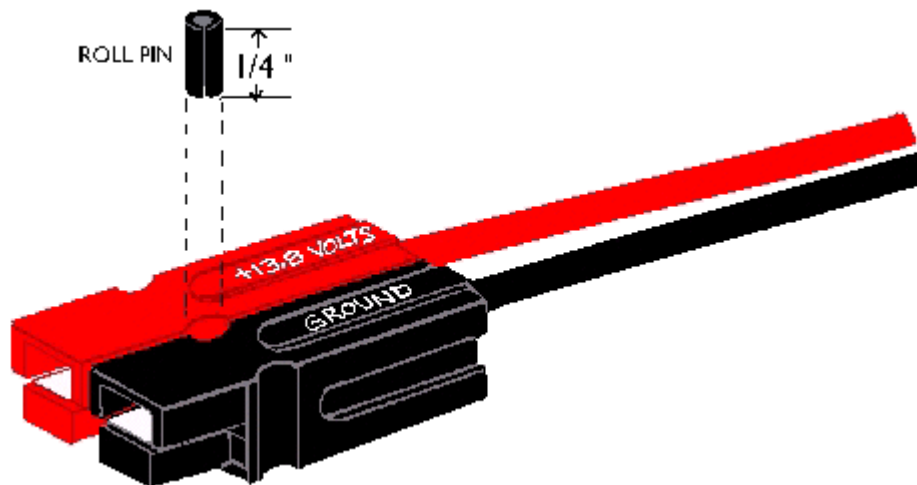
5. Pedestrian – Hand held transceiver
6. Field location – Portable antenna, mast, independent power source and transceiver.

Uniform Equipment Standards

1. Provide power pole connection for all response communications equipment.
2. Program all response transceivers with standard simplex and Owen County repeater frequencies.
3. Ensure the ability to respond in most, if not all, response modes.
4. Provide extension feed lines for operations in buildings.
5. Provide battery operation for extended operations.
6. Others as they become apparent

Power Pole Connectors

1. These connectors are the Anderson Powerpoles. These 30 Amp highly reliable connectors allow quick and easy installation and substitution of radios, power supplies, batteries and other equipment.
2. The housing should be mated according to the following diagram. DO NOT USE METAL PIN. Use a plastic pin or glue to hold the connector housings together.
3. Further information is available at <http://www.ocraces.org/powerpole.html>.



Served Agencies

1. Owen County Emergency Management Agency
Jack White, Director
Owen County Courthouse
60 South Main Street
Spencer, IN 47460
812 829-5035 (Office)

812 821-0710 (Cell)
Jack.white@owencounty.in.gov

- American Red Cross
Monroe County Chapter
June Taylor Volunteer Coordinator
411 East 7th St
Bloomington, IN 47408
812-332-7292 (Office)
812 332-6187 (Cell)
June.taylor@redcross.org

Other Owen County Agencies

- Owen County Sheriff
Administrative Telephone (non-919) 812 829-4874

Web Sites

- American Red Cross ARC – <http://www.redcross.org>
- ARES National Communications Manual –
<http://www.arrl.org/FandES/field/pscm/index.html>
- Indiana ARRL Section -- <http://www.arrl.org/sections/IN.html>
- Indiana Section ARES – http://www.inarrl.org/inares_index.html
- Amateur Radio Call Sign Lookup – <http://www.qrz.com>
- ARRL Home Page – <http://www.arrl.org/>
- ARRL Forms – <http://www.arrl.org/FandES/field/forms/>
- ARRL Courses – <http://www.arrl.org/cce/>
- Duke Energy Outage Map <http://www.duke-energy.com/indiana/outages/current.asp#outagemap> Federal Emergency
- Management Agency FEMA – <http://www.fema.gov/>
- Frequencies Radio Reference – <http://www.radioreference.com/>
- GR Level 3 Radar Windows Program http://grlevelx.com/grlevel3_2/
- Hazardous Materials HazMat Safety– <http://hazmat.dot.gov/>
- Homeland Security – <http://www.whitehouse.gov/homeland/>
- Indiana Department of Homeland Security – <http://www.in.gov/sema/>
- Indiana County Travel Status Map <http://www.in.gov/dhs/files/travel-advisory-map/>
- Owen County Amateur Radio Association – <http://www.OwenCountyARA.org>
- Power Pole Connection – <http://www.ocraces.org/powerpole.html>
- SCI REMC Outage Map <http://sciremc.maps.sienatech.com/>
- Weather Service - Indianapolis – <http://weather.gov/ind>
- Weather Service - National – <http://www.nws.noaa.gov/>
- Weather Service = National Radar Image Loop
http://radar.weather.gov/Conus/full_loop.php

23. Weather Service – Storm Prediction Center – <http://www.spc.ncep.noaa.gov>
24. Weather Service – White River Level -
<http://water.weather.gov/ahps2/hydrograph.php?wfo=ind&gage=spni3&view=1,1,1,1,1,1,1&toggles=10,7,8,2,9,15,6>