



Wisconsin ARES/RACES

<http://www.wi-aresraces.org/>

SIMCOM2019 Fact Sheet rev 3



NOTE: This revision includes an updated ICS-205 with mesh network frequency **highlighted in yellow**.

Please destroy previous editions of this document.

I. Background:

- a. SIMCOM is an annual test of communications interoperability between federal, state, local government, the private sector, and non-government organizations.
- b. SIMCOM2019 will be held in and around Waukesha May 1, 2, and 3. Grant County Emergency Management will also participate.
- c. May 1st is a pre-exercise training day. Amateur radio will be one of the training tracks and WI ARES/RACES communicators are encouraged to attend.
- d. SIMCOM is conducted under the incident command system (ICS).

II. What role does WI ARES/RACES play?

- a. In the Waukesha area (on-site) sites:
 - i. WI ARES/RACES stations both on and off site will support served agency partners with formal and informal message traffic locally, statewide, and within FEMA Region V
 - ii. Net Control tasks ARES/RACES units in each of the four division to receive messages from and send messages to other units within their division and to other divisions and locations.
 1. Messages may be formal or informal.
 2. Messages may, at the senders discretion, be sent by voice, CW, or Winlink.
 3. Some Winlink messages may best be sent by peer-to-peer.
 4. Some messages will need to be hand delivered to other platforms in their division.
 - iii. ARES/RACES groups in each SIMCOM division are encouraged to:
 1. Visit with the public safety and military platforms in their division.
 2. Originate voice and WinLink message traffic with
 - a. Other SIMCOM divisions via SIMCOM frequencies (see the amateur radio ICS-205).
 - b. Other stations within Wisconsin and FEMA Region 5 via the National Traffic System.
 - iv. MESH Networking: If you have mesh networking gear feel free to bring it as it may add connectivity capabilities. Primary links will be on 5.8Ghz. There may be 2.4Ghz in use as well. If have a laptop with a webcam or an external webcam, please bring it. The mesh we will be deploying is the AREDN Project, for more information you can look it up at, www.arednmesh.org or check out the Wisconsin Mesh Facebook page
 1. Download the following software for potential use during the exercise.
 - a. Teamtalk 5 – for SIMCOM Chat, Video Conferencing, and File Sharing.
 - b. WINLINK – Testing WINLINK over the mesh.
- b. Off-site stations:
 - i. Grant County Emergency Management is an off-site SIMCOM participant. Communicators from Dubuque County ARES Iowa will cover this location.
 1. Grant County communicators should have 60 meters, Channel 5 HF capability and must have WECOMM Network capability. It appears that the Dodgeville WECOMM repeater will be the best opportunity.
 - ii. Operation Sandbag will occur on exercise day 2. Military Affiliate Radio System (MARS) will take this mission.
 1. Operation Sandbag communicators should have 60 meters HF capability and must have WECOMM Network capability and WinLink VHF capability.
 - iii. Communicators from around Wisconsin, Michigan, Illinois, and Minnesota are encouraged to register for SIMCOM2019 (see III. Registratioon below).
 - iv. Off site stations will act as message relay stations.
 - v. Command will task each division to send formal message traffic to select locations in Wisconsin and neighboring states.

1. Formal messages should be formatted and sent using ICS-213 General Message Form.

- III. Registration:** All SIMCOM2019 participants both on-site and off-site must register. Registration is free.
- a. <https://www.regonline.com/simcomvc2019> .
 - b. **Registration closes 19 April.**
- IV. Training Day:** May 1st is the pre-SIMCOM2019 Training Day. There is a separate training track for amateur radio. All amateur radio operators and others interested in learning how amateur radio assists served agencies and those interested in becoming amateur radio operators.
- a. Training Day activities are at the Waukesha County Expo Center at 1000 Northview Rd, Waukesha WI 53188..
 - b. Most training tracks will begin at 0800 except for the amateur radio track which will begin at 0900.
 - c. The amateur radio training track will include:
 - i. Amateur radio's commitment to emergency communications.
 - ii. Wisconsin ARES/RACES organization and communications operations.
 - iii. Communications techniques: WinLink.
 - iv. Communications techniques: NVIS
 - v. Formal message handling and forms.
 - vi. Classroom sessions and outside hands-on with NVIS and WinLink.
- V. Exercise Day 1 (2 May) and Day 2 (3 May)**
- a. All on-site participants **MUST** check in at the Waukesha County Expo (round) building (1000 Northview Rd, Waukesha).
 - b. Operating location assignments, participant books, and other information will be given out at registration.
- VI. Frequencies for SIMCOM2019:**
- a. See the attached ICS-205.
 - b. There will be special sessions of the Badger Emergency Net (BEN) at 1000CT in addition to their regular 1200CT session and the Wisconsin Sideband Net (WSBN) at 1400CT in addition to their regular 1700CT session..
- VII. SIMCOM2019 Nets:**
- a. Net Control will maintain nets as follows:
 - i. Training Day (1 May) on Primary VHF (WECOMM Network)
 - ii. Exercise days 1 and 2 (2 and 3 May): 60 meters Channel 5 (5.4035MHz USB) .
 - b. Digital message traffic (WinLink)
 - i. Most message traffic will go via WinLink. All participating stations should have WinLink access.
 1. WEM will have a VHF WinLink gateway operating on-site on 145.6100MHz.
 - c. Mesh networking: More information on this when it's available.
- VIII. Tactical Call Signs:** Tactical call signs will be issued and used at SIMCOM2019.
- IX. Documentation for ARES/RACES units at SIMCOM2019.**
- a. Evaluation sheets for SIMCOM are very important to WEM. Please complete and turn in evaluation forms.
 - b. To minimize the administrative workload, ARES/RACES units at SIMCOM2019 are required to keep only a station log and copies of formal messages.
 - i. An ACS-309 'ACS Communications Log' is attached to this fact sheet.
 - ii. An ICS-214 'Activity Log' is also attached for those who need to complete this form for their task books.
 - c. At the end of the exercise, all participating ARES/RACES units shall turn in completed logs and message forms to Skip Sharpe, WI RACES Chief Radio Officer or Mr. Paul Hughes, Deputy WEM Communications and Warning Officer.
 - d. Participating off-site stations will forward completed log and message forms electronically to Skip Sharpe, W9REL@ARRL.net.

73

Skip Sharpe W9REL

WI RACES Chief Radio Officer
WI ARES ASEC Training
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LOGGING REQUIREMENTS

ALL ACS STATIONS ARE REQUIRED TO MAINTAIN COMPLETE LOGS of all communications that occur during any period of activation.

This log will contain the DATE & TIME (in local, 24 hour time) of each message, the CALL of the contacted station and brief CONTENT of the message, or the message number and subject, and disposition.

Each log sheet will contain the OPERATING CALLSIGN, the location of the station, the call of the operator and be signed by the control operator.

A Copy of all FORMAL TRAFFIC will be kept and become part of the log.

ALL LOGS, INCLUDING COPIES OF ALL FORMAL TRAFFIC, SHALL BE SUBMITTED TO

- The agency being served, usually in the Plans Section, Documentation Unit
- The ACS Operations Section Chief. These logs will be kept as a part of ACS records. These logs should be submitted at the end the operational period they cover and must be received by no later than five (5) days after conclusion of the activation. If an operator requires copies for his/her own log, copies should be made and the originals remain with ACS.

ICS 309 COMMUNICATION LOG

Logs will be kept using Incident Command System Form 309 (ICS 309) COMMUNICATIONS LOG

Item #	Item Title	Instructions
1 - 2	For Operational Period	Record the start and end date (month, day, year) and time (24 hour local time).
3	Tactical I.D.	Enter the tactical identifier for this station
4	Task Number	Enter any task number assigned by served agency

5	Task Name / Location	Enter the task name. Typically this will be the location for a fixed station such as WILCOX SHELTER or SUMMIT EOC. Enter the address if available.
6	Operator Call Sign	Enter the Call Sign of the Radio Operator
7	Operator Signature	Enter the signature of the radio operator
8	Date / Time Prepared	Enter date and time this log was finalized and submitted with copies of all formal traffic handled during the operating period.
9	Operator Printed Name	Print the name of the radio operator
10	Time	Enter Time (24 hour) the communications took place
11	Station ID FROM/TO	Enter station that was contacted (TO) or the station that contacted you (FROM). Only one of the sections should be completed per contact. It shows if you called the other station or if they called you.
12	Subject	Enter message number and addressee for formal traffic. Enter brief summary for informal traffic.
13	Disposition	Enter "Complete", "Forwarded", or other indicator for formal traffic that requires a reply
14	Page __ of __	Sequentially number all pages for the operational period covered by the log. Page numbers start over at 1 at the beginning of each new operational period.

INCIDENT RADIO COMMUNICATIONS PLAN				Incident Name SIMCOMM-VC 2019			Date/Time Prepared 1-Apr-19		
Ch #	Zone Grp.	Function	Channel Name/Trunked Radio System Talkgroup	Assignment	RX Freq N or W	RX Tone/NAC	TX Freq N or W	Tx Tone/N	
1		Primary Statewide HF	60 meters Ch 5	SIMCOMM20 19 AUXCOMM Stations	5.4035 MHZ W	N/A	5.4035 MHZ W	N/A	
2		Primary statewide VHF	WECOMM Network		See Below	See Below	See Below	See Below	
3		Secondary to WECOMM VHF	SEWFARS		146.82000 MHz	127.3 Hz	146.2200 MHz	127.3 Hz	
4		Local Simplex	WIV-4		147.4800 MHz	173.8Hz	147.4800 MHz	173.8Hz	
5		WinLink			145.6100 MHz	N/A	145.6100	N/A	
6		National Traffic System			3.985 MHz	N/A	3.985 MHz	N/A	
7		Mesh Networking	Channel 184		5.920 GHz	N/A	5.920 GHz	N/A	
8									
9									
10									
11									
12									
13									
14									
15									
Notes:		WECOMM Network Repeaters: Baldwin 145.250 (110.9), Brussels 146.805 (146.2)RX/TX PL 85.4, Cambridge 147.360 (123.0), Coloma 147.105 Dodgeville 145.230 (123.0), Gilmanton 145.430 (131.8), Irma 146.895 (114.8), Meteor 147.075 (110.9), Plymouth Sayner 145.130 (114.8), Suring 145.290 (114.8), Waukesha 145.470 (127.3)							

Prepared By (Communications Unit) S.Sharpe WI RACES Chief Radio Officer	Incident Location: Waukesha County: Waukesha State: WI
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The convention calls for frequency lists to show four digits after the decimal place, followed by either an "N" or a "W", depending on narrow or wide band. Mode refers to either "A" or "D" indicating analog or digital (e.g. Project 25) or "M" indicating mixed mode. as if programmed in a control station, mobile or portable radio. Repeater and base stations must be programmed with the Rx and

ICS 205 Excel