

2023 Show Me Rally Communications Supplement

The guidelines presented below are an outline of radio operations for the 2023 Show Me Rally. For more information, contact the Communications Team via email at radio@100aw.org.

- **General operating guidelines:**

- Monitor the appropriate frequencies for pertinent traffic – that is, either direct calls, or information pertaining to your location.
- Radio operators are advised to keep traffic short and to the point.
- Be mindful of accidental transmissions due to microphones being inadvertently keyed; accidental microphone keying is frustrating for everyone. A good way to help prevent this is to keep your microphone visible at all times, and prevent it from “rolling around” in the seat/etc.
- When passing traffic to net control, pause briefly to think about the traffic to be relayed, prior to keying up the radio. Such a brief delay will help the operator compose themselves, and avoid long traffic as the operator “thinks out loud” on the radio.
- When keying a radio, allow **1 full second** after pressing the microphone push-to-talk switch before speaking.
- Keep a car count no matter where you are, as often it helps establish if competitors are off course/transit.

- **Emergency Reporting**

- Do not hesitate to report situations that may endanger public safety.
- The use of the phrase “Break Break Break” indicates that a station has emergency radio traffic. This type of emergency radio traffic is intended to relate *only* to traffic which involves the safety of life. Non-Rally traffic on stage after Car 0 has passed qualifies as emergency traffic. Stage delays, unexpected spectators during setup, weather status, etc., do *not* qualify.
- In the event of an emergency situation, whether it is directly related to the rally or not, there are several guidelines that shall be followed:
 - Under *no* circumstances shall names or specific conditions of persons involved be discussed over the radio.
 - All communications to the media or to the public shall be made by the chairman or his delegated public communications officer. Under *no* circumstances are any other communications personnel to make statements to the public or the media.

- **Net Control**

- The Net will be a directed net. This means that *all* stations are to contact net control *prior* to conducting communications, even if it is with another station on the net.
- The primary purpose of The Net is to ensure volunteer, competitor, and pedestrian safety during the event.
- Throughout the rally, Net Control will be directing rally operations via the repeater system(s) described herein. Net Control will identify using the callsign “K1HAW” (Kilo – 1 – Hundred-Acre Wood), and will use the tactical callsign of “Net Control”.
- Allow Net Control to acknowledge you *before* passing traffic.
- Follow Net Control's direction in regard to frequency usage.
- At *no* time should scoring information be discussed over the net.

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- **Tactical Callsigns**

All rally positions are issued a tactical callsign that corresponds to their function. All personnel are expected to utilize their tactical callsigns, in addition to identifying in accordance with FCC Regulations, all communications should be completed with the operator's tactical callsign.

- **Equipment Recommendations**

- The suggested operating rig as specified by Net Control consists of a 2-meter mobile radio with a minimum power output of 50 watts, fed into a 5/8 wave mag-mount antenna. While various options exist that comport with the suggestions, the following is the equipment Net Control recommends for most operating circumstances (i.e. "The Standard"):
 - Icom IC-2300h VHF FM Transceiver
 - MFJ-1728B Dual-Band Mag-Mount Antenna (5/8 wave at 2M)
- Notepad and writing utensils should be available.
- In the event of a failure of your radio or other equipment malfunction, Net Control has a loaner pool of radios that are pre-programmed. These are available in some of the course cars (000, 00) in case the need arises.

- **Frequencies**

- Net control will only be monitoring and operating on the published net control repeater(s).
- When operators are with their stage crew, operations will be on the assigned stage simplex frequency.
- Upon passing of Car 00, stations on stage will change over to the assigned net control frequency for that stage. All operations after car 00 has passed a stage will be on the net control frequency, until Green Light has passed that location.
- Upon the passing of Green Light, operations will revert back to the stage simplex frequency, except where needed.

Channel Name	Frequency	Repeater Tone	Offset	Notes
Potosi Repeater	146.835 MHz	100 Hz	-600 kHz	
Belgrade Repeater	145.595 MHz	173.8 Hz	-600 kHz	
Crew A	147.420 MHz			
Crew B	147.435 MHz			
Crew C	147.510 MHz			
Crew D	147.525 MHz			
Service / MTC	147.585 MHz			