



Event Preparation

Mat Nickoson
KC8NZJ



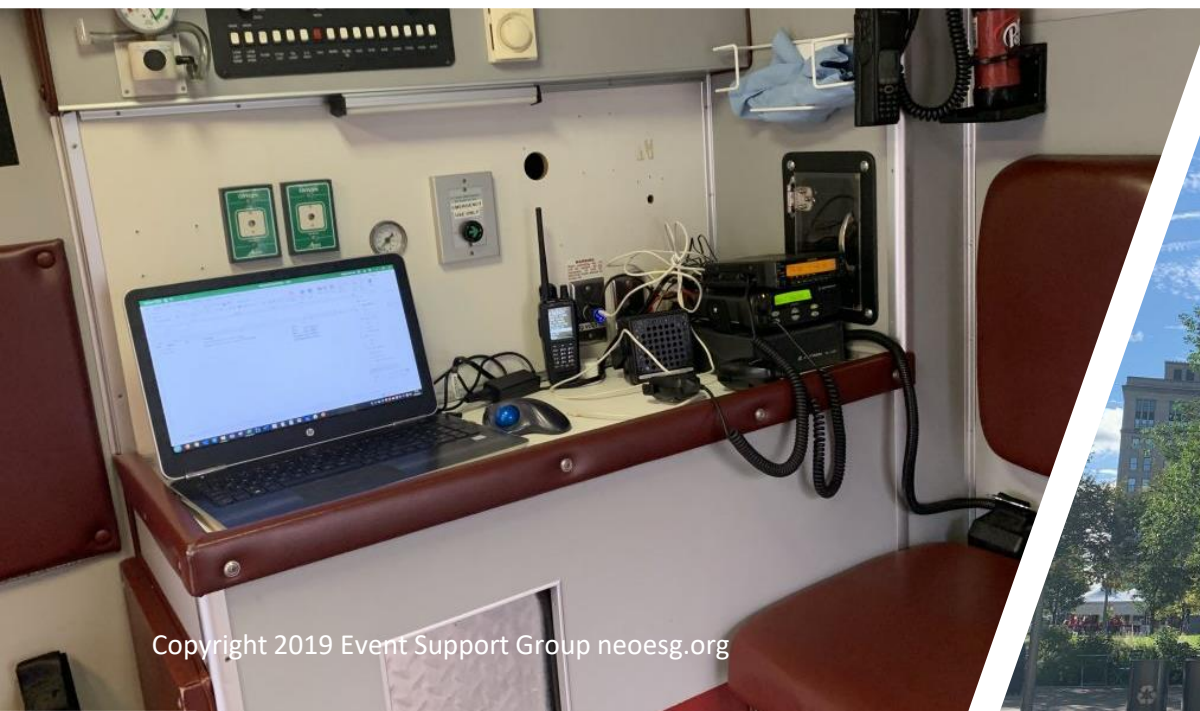
Event Support Group

- Non-Profit Corporation
- 501(C)3 Tax Exempt
- Never accept payment for services
- Donations accepted

Communications Vehicle

- Ford E350 Ambulance
- Donated by Life Support Team in Mansfield, OH
- 2 permanent operating positions UHF/VHF
- 1 ad hoc HF operating position





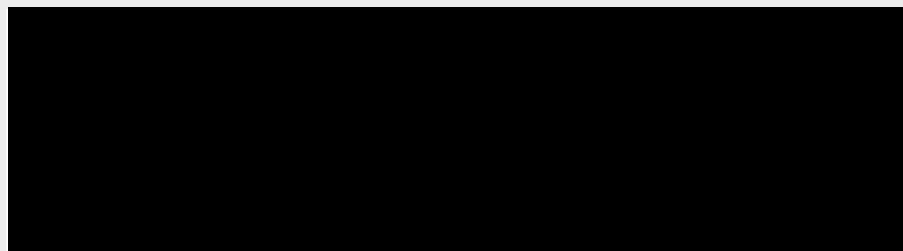


Communications Vehicle Current Equipment

- 3 Computer Monitors- 1 with broadcast TV capability
- Operates on any amateur radio frequency from 160 meters up to 70 centimeters (except for 220)
- Operates on any public safety UHF (400 MHz) and VHF (150 MHz) frequency along with all 700/800 MHz conventional interoperability frequencies specified within the National Interoperability Field Operations Guide (NIFOG).
- P25, DMR.
- On board UHF amateur repeater
- Portable UHF/VHF antenna systems
- Several hundred feet of feed line.
- 360 degree pan, tilt, zoom video camera.
- Access to a fully encrypted UHF repeater system that covers all of Cuyahoga County.
- Icom HF radio, Commercial UHF XTL500, VHF MCS200, 700/800 XTL500 Radios, Connect Systems DMR, TM=V71
- 6 roof mounted NMO antennas
- Antenna to radio patch panel allowing any antenna configuration
- SDS-200 Digital Scanner



Communications Vehicle Future Equipment



- Weather Station
- Lightning Detector
- Rear RV Air Conditioning Unit
- Sturdier Antenna Mast vehicle mounted
- Cache Radios UHF VHF
- On board UHF business band repeater P25/DMR capable



Events/Positions

Emergency Activation

- Command Post
- EOC
- Hospital
- Shelter
- NCS

Running Event

- Lead Vehicle
- Sweep Vehicle
- SAG Vehicle
- Command Post
- Water Stop
- NCS
- Start/Finish
- Intersection

Bicycle Event

- Sweep Vehicle
- SAG Vehicle
- Command Post
- Water Stop
- Intersection
- NCS



Responsibilities

Communications Primary

- If you aren't paying attention to your radio, you aren't doing your job.

General Event Assistance Secondary

- Feel free to help clean up, fill cups, etc, but **ONLY** when you have free time.



Preparation

- Program radios AT LEAST 24 hours PRIOR TO EVENT
- Have VHF AND UHF capability
- Consider investing in APRS equipment especially if mobile
 - RF APRS Equipment
 - Smart phone/tablet app
 - Mobilinkd



Preparation

- Charge HT's overnight
- Dress appropriately
 - Clean shaven/appropriately groomed
 - Showered
 - Clean Clothing
 - No flip flops
 - Business Casual if in EOC



Preparation

- Print ALL paperwork/maps/manuals/ICS-205
- Arrive EARLY at least 5-10 minutes
- Introduce yourself to nearby volunteers as the amateur radio operator for that location
- Instruct nearby volunteers what info to relay to you
- Know what to report over the air and what not to



Preparation

- Remember to be brief on air
- Not TX may be boring, but may be right
- Wash your vehicle
- Clean vehicle interior if transporting



Equipment

- Food/snacks
- Medication
- Drinks
- Rain gear
- Sun screen/Hat
- Spare batteries/radios
- Vests when appropriate
- Vehicle signage/lights if available
- Full tank of gas
- First Aid kit (be aware of event medical staff and rules IE MS-150)
- Cell phone/charger



Equipment

- Ear phones/speaker mic (nosey neighbors)
- Lighter plug splitter
- Radio manual
- Paper, pens, clipboard
- Bicycle pump
- Temporary marking paint



Types of Nets

Club Nets

- Informal
- Lots of chatter
- Trivia questions
- Social atmosphere

Event Nets

- Formal
- Similar to public safety dispatch
- Open or Closed

Skywarn

- Formal
- Generally less traffic
- Possibly only check in, no traffic
- May not even take check-ins



Structure

- NCS is in charge of the frequency
- Directed Nets
 - All traffic must pass through the NCS
 - All stations should receive permission from the NCS before transmitting their traffic
- Open Nets
 - Stations are permitted to contact other stations direct
 - Transmissions should be short
 - Do not interrupt
 - Be aware of net closure due to active emergency
- NCS/Logger should keep a detailed log of events including times



Radio Etiquette

- Sound professional to listeners
 - Served agencies
 - Other government agencies, state, local, federal
 - News media
- PTT = Push THEN Talk, wait at least 1 second before talking
- No idle chatter
- No codes or jargon, no need to say OVER, PLAIN ENGLISH
- PROPER PHONETICS!
- Speak clearly, take your time, do not stop to think with the mic keyed

ICS 205 Example

INCIDENT RADIO COMMUNICATIONS PLAN (ICS 205)

1. Incident Name: Ride for Miles				2. Date/Time Prepared: Date: 9/2/14 Time: 12:00				3. Operational Period: Date From: 9/7/14 Date To: 9/7/14 Time From: 09:00 Time To: 14:00			
4. Basic Radio Channel Use:											
Zone Grp.	Ch #	Function	Channel Name/Trunked Radio System Talkgroup	Assignment	RX Freq N or W	RX Tone/NAC	TX Freq N or W	TX Tone/NAC	Mode (A, D, or M)	Remarks	
	1	Primary Net	146.790		146.790	CS	146.190	88.5			
	2	Secondary/Backup	443.800		443.800	466	448.800	466		DPL REQUIRED	
	3	SAG Talkaround	446.100		446.100	CS	446.100	CS			
	4	APRS	144.390		144.390	CS	144.390	CS		APRS Tracking Only	
	5	REACT CH 2	462.625	REACT	462.625	DPL 152	462.625	DPL 152		Do not use without prior authorization.	
5. Special Instructions: In case of radio failure, contact Mat Nickoson KC8NZJ via Cell Phone [REDACTED]											
6. Prepared by (Communications Unit Leader): Name: <u>M. Nickoson</u> Copyright 2019 Event Support Group Signature: _____											
ICS 205			IAP Page <u>1</u>			Date/Time: <u>9/2/14 12:00</u> neesg.org					



- Web: www.neoessg.org
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Event Support Group Online