

## Shelby County ARES Radio Communications Plan

The attached document provides a guideline for repeater and frequency usage by amateur radio operators during Training and Emergency Nets in Shelby County.

We would like to encourage all amateur radio operators in Shelby County, and others in nearby counties, to have the repeaters/frequencies shown on the Plan programmed into your radios before disaster strikes. As demonstrated by the April 27, 2011 tornadoes that ripped through our state, there will be plenty to do once an emergency arises – programming your radio shouldn't be on your "To-Do List" at that time!

### To Our Net Control Stations

Please use the tactical call signs listed when referring to repeaters and frequencies listed on this Plan. If individuals are deployed around the county, it is within your authority to assign tactical call signs to those stations. Please keep them brief. For instance, "Shelter 1" would be preferred over "Red Cross Shelter 1".

Remind stations using tactical call signs to give their FCC call signs every 10 minutes when conversations last longer than 10 minutes, and at the end of all conversations, regardless of length. Given that communications between stations can occur at infrequent intervals and rarely last more than 1-2 minutes, it's best for a station to identify when they think their part in the current conversation is finished. Example: "Shelter 1, KI4YZI, clear."

The following information should be passed along to the ARES Emergency Coordinator and the SCARC Net Manager:

- A log of repeaters and frequencies used during your time as NCS
- Total number of check-ins to the net (if check-ins are taken)
- Total number of NTS messages passed during the net

Thanks for all that you do for Shelby County!

Terry Dillard, KI4YZI, Shelby County ARES Emergency Coordinator  
Charlie Carney, KJ4USA, SCARC Manager of Emergency Communications  
Fredia Dillard, KT4TEA, SCARC Net Manager

# Radio Communications Plan

ICS-205

<b>Incident Name:</b> Standard and Emergency Operation	<b>Date Prepared:</b> 22-Aug-2011	<b>Time Prepared:</b> N/A
<b>Operational Period From:</b> 22-Aug-2011 <b>Until:</b> Further Notice	<b>Operational Period Time:</b> N/A	

## Basic Radio Channel Utilization

Agency	Mode	Channel	Frequency (MHz)	Code or Tone	Assignment	Tactical Call Sign	Comments
<b>Repeaters</b> – Use in order shown, move to the next one on the list should the repeater you’re on go down. See separate <b>Repeater Down</b> handout.							
EMA/ARES	FM Voice	01	146.980 (-)	None	Nets	980 Repeater	Primary Repeater
EMA/ARES	FM Voice	02	147.320 (+)	88.5 Hz	Traffic/Resource Net	320 Repeater	Backup Repeater
EMA/ARES	FM Voice	03	145.290 (-)	None	Traffic/Resource Net	290 Repeater	Alt. Backup Repeater
<b>Administrative Repeaters</b> – Shelby County EMA (SCEMA), Alabama EMA (AEMA), Alabama Emergency Response Team (ALERT), use as needed							
EMA/ARES	FM Voice	04	145.270 (-)	88.5 Hz	Coosa County Repeater SCEMA, AEMA	Coosa	Monitor link to AEMA
EMA/ARES	FM Voice	05	224.500 (-)	100.0 Hz	SCEMA, AEMA, ALERT	Admin220	Status info to AEMA
EMA/ARES	FM Voice	06	444.425 (+)	131.8 Hz	SCEMA, ALERT	Admin440	Backdoor to ALERT & JeffCoEMA
<b>Digital and HF Frequencies</b>							
ARES	Digital Voice	07	145.410	None	SCEMA, AEMA, Alabama D-Star net (Voice only)	D-STAR	
ARES	Data	08	3.570 USB		Data Network	Data Net	MT63 – Top of hour PSK31 – Bottom of hour
ARES	SSB Voice	09	3.695 LSB		Alabama Emergency Net (primary)	HF Emergency Net	Alternate Freq – 7.243 LSB
<b>Simplex Frequencies</b> – These frequencies are preferred, the NCS is free to assign any simplex frequency needed on any useful band.							
As Needed	FM Voice	10	146.415	None	Simplex	VHF415	
As Needed	FM Voice	11	146.460	None	Simplex	VHF460	
As Needed	FM Voice	12	147.555	None	Simplex	VHF555	
As Needed	FM Voice	13	445.925	None	Simplex	UHF925	
As Needed	FM Voice	14	445.950	None	Simplex	UHF950	
As Needed	FM Voice	15	445.975	None	Simplex	UHF975	
As Needed	FM Voice		146.400 - 146.580		Simplex	Assigned by NCS	Use as needed
As Needed	FM Voice		147.420 - 147.570		Simplex	Assigned by NCS	Use as needed
<b>Prepared and Recommended By:</b> Terry Dillard, K14YZI			<b>Organization:</b> Shelby County ARES			<b>Position:</b> Emergency Coordinator	
<b>Approved By:</b> Charlie Carney, KJ4USA			<b>Organization:</b> Shelby County Amateur Radio Club			<b>Position:</b> Manager of Emergency Communications	
<b>Approved By:</b> Fredia Dillard, KT4TEA			<b>Organization:</b> Shelby County Amateur Radio Club			<b>Position:</b> Net Manager	

**Note:** It is suggested that you program these frequencies into your radio in the order shown, and on the memory channels indicated, or on channels 101-115, 201-215, etc.