

ACARA Emergency Communications Plan and Reference (rev. 2022-06-07)

ACARA Simplex Frequencies by Band/Service				NOAA Weather	Ohio ARES	Local Repeaters (freq,offset,PL)	Public Service		
Band	Primary	Alternate	Mode	162.400 MHz	147.015 + 167.9	Athens County ARA	145.150 -	Athens Local LEO	
70cm	446.000 MHz	432.100 MHz	FM	162.425 MHz	7.240 MHz LSB	Athens County ARA	442.100 +	Dispatch 151.190	
2m	146.400 MHz	146.520 MHz	FM	162.450 MHz	3.902 MHz LSB	Athens County SCARF	147.150 +	Nelsonville Police	
6m	50.525 MHz	50.400 MHz	FM, AM	162.475 MHz	WV ARES	AC SCARF Jacksonville	147.225 +	Dispatch 154.740	
10m	28.375 MHz	28.450 MHz	USB	162.500 MHz	147.3 + 107.2	Hocking Valley ARC	147.345 + 114.8	Athens County Fire	
40m	7.225 MHz	7.285 MHz	LSB - NVIS*	162.525 MHz	146.67 + 107.2	Lancaster Fairfield ARC	147.030 +	Dispatch 156.2325	
80m	3.880 MHz	3.925 MHz	LSB - NVIS*	162.550 MHz	7.235 MHz LSB	Licking County ARC	145.470 -	Athens County Fire	
GMRS/FRS	CH16, 462.575 MHz	CH20, 462.675 MHz	FM	OH ARES HF Digital	3.805 MHz LSB	N8OJ Marietta, OH	146.880 - 91.5	Disaster 155.805	
MURS	CH2, 151.880 MHz	CH3, 151.940 MHz	FM	1500hz Olivia 8-500	Regional Nets	W8TAP Constitution OH	146.745 - 114.8	Athens City Command	
CB	CH4, 27.005 MHz	CH16, 27.155 MHz	AM	3.5845 MHz NVIS	7.258 MHz- MidCARS	W8HH Marietta, OH	443.400 + 91.5	Interop 155.902	
*NVIS indicates use of Near Vertical Incidence Skywave antenna for regional coverage				7.0550 MHz NVIS	7.255 MHz - ECARS	Vinton County ARC	147.105 + 88.5	Washington Co Fire	
Dipole single leg lengths: 70cm - 6.25" 2m - 1' 7 1/8" 6m - 4' 7 5/8" 10m - 8' 3" 40m - 32' 4 5/8" 80m - 60' 3 3/4" GMRS - 6 1/8" MURS - 1' 6 1/2" CB - 8' 6"								Dispatch 46.140	

Emergency Power Nets Check-in Times (these are times / bands to monitor for traffic as able, Eastern time zone)				Common Formulas
70 cm	05:30, 09:30, 13:30, 17:30, 21:30	80 meters*	05:45, 07:45, 18:45, 20:45, 22:45	1/2 Wave Ant. L = 468 / freq in MHz
2 meters	06:00, 10:00, 14:00, 18:00, 22:00	GMRS/FRS	07:30, 11:30, 15:30, 19:30, 23:30	1/4 Wave Ant. L = 234 / freq in MHz
6 meters	06:30, 10:30, 14:30, 18:30, 22:30	MURS	08:00, 12:00, 16:00, 20:00	Wavelength 299,792,458 / freq in Hz
10 meters	07:00, 11:00, 15:00, 19:00, 23:00	CB	08:30, 12:30, 16:30, 20:30	Amps Watts / Volts
40 meters*	11:15, 13:15, 15:15, 17:15	*NVIS indicates use of Near Vertical Incidence Skywave antenna for regional coverage		Watts Volts * Amps

Sample Net Activation Script - Before beginning, announce the net will begin at the set time a few minutes beforehand, such as "All stations standby for the net to begin at 16:00"

This is [call sign, name] net control for the [time, band] simplex net. Before checkins, we will pause for any emergency or priority traffic. Stations with emergency traffic call now. (pause) Hearing none, for the first round give your callsign and name. Are there any stations operating on limited or emergency power? Call now. (Record emergency power calls, when no more call each one at a time for traffic) . Other stations wishing to check in, call now. (Record calls and go through list). Are there any other stations wishing to check in? (pause). Hearing none, we will close the net. This net will be active again at [next time], and I return this frequency to normal use.

(intentionally blank for notes)