

MINNESOTA ARES®



EMERGENCY COMMUNICATIONS

Standard Operating Frequencies SOP 6-C-001

January 01, 2010

Due to the compilation of potentially sensitive data, this Emergency Communications Frequency List is marked FOR OFFICIAL USE ONLY (FOUO). This information may be exempt under the provisions of the Freedom of Information Act, 5 U.S.C. § 552. As such, anyone wishing to disseminate this document outside of the Amateur Radio Emergency Service, or currently authorized served agencies, should contact the Minnesota ARES Section Emergency Coordinator for disclosure review.

Special notes regarding ARES frequencies, and their use during emergencies:

1. Calling frequencies are for initial contact only, and not for incident traffic handling.
2. HV-Packet is also known as the Minnesota Emergency Packet Network channel.
3. ARES Command Frequencies: All ARES Command frequencies shall use a CTCSS tone of 179.9.
4. Shelter Frequencies: Minnesota ARES Shelter operation frequencies shall use a CTCSS tone of 131.8.
5. VHF frequencies HV-Delta, HV-Echo, HV-Foxtrot, and HV-Golf will utilize a CTCSS tone of 100.0.
6. UHF frequencies HU-Charlie, and HU-Delta will utilize a CTCSS tone of 100.0.
7. To enable better isolation when working in close proximity, always use the least amount of transmit power needed.
8. When responding into an incident area, initial contact frequency shall be on HV-Call. Upon initial contact, you will be asked to change over to the appropriate Mutual Aid frequency for talk-in and additional information exchange.
9. Primary VHF Mutual Aid frequencies: HV-Alpha, HV-Bravo, and HV-Charlie.
10. Primary UHF Mutual Aid frequencies: HU-Alpha, and HU-Bravo.
11. Whenever possible, primary Net Control Operations will be conducted on local repeaters, to enable the best signal to noise ratio.
12. HU-Shelter is located on a Shared Non-Protected Repeater output frequency. Verify frequency is clear before transmitting. If interference is present, utilize another frequency.
13. HU-Command is located on a Shared Non-Protected Repeater output frequency. Verify frequency is clear before transmitting. If interference is present, utilize another frequency.
14. HU-DSTAR channel may also be used for packet/data operations if D-Star is not in use in the local area.

MINNESOTA RADIO COMMUNICATIONS PLAN	1. Incident Name: ARES STANDARD FREQUENCIES	2. Date/Time Prepared: 01/01/2010	3. Operational Period (Date/Time)
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4. MINNESOTA ARES VHF FREQUENCIES

System/Cache	Channel	Function	Talk Group	RX Freq	RX Tone	TX Freq	TX Tone
VHF	001	HV - CALL	ARES	146.520		146.520	
VHF	002	HV - ALPHA	ARES	147.465		147.465	
VHF	003	HV - BRAVO	ARES	147.525		147.525	
VHF	004	HV - CHARLIE	ARES	147.495		147.495	
VHF	005	HV - DELTA	ARES	146.445	100.0	146.445	100.0
VHF	006	HV - ECHO	ARES	146.475	100.0	146.475	100.0
VHF	007	HV - FOXTROT	ARES	146.565	100.0	146.565	100.0
VHF	008	HV - GOLF	ARES	146.415	100.0	146.415	100.0
VHF	009	HV - APRS	ARES	144.390		144.390	
VHF	010	HV - PACKET	ARES	145.670		145.670	
VHF	011	HV - DATA	ARES	145.070		145.070	
VHF	012	HV - AIRCRAFT	ARES	147.435		147.435	
VHF	013	HV - SHELTER	ARES	146.595	131.8	146.595	131.8
VHF	014	HV - COMMAND	ARES	147.555	179.9	147.555	179.9
VHF	015						
VHF	016						

5. Prepared By: Dan Anderson, Minnesota SEC - KD0ASX

Agency: Minnesota ARES

Approved By:



Primary PSAP for detail is: Minnesota Amateur Radio Emergency Service

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4. MINNESOTA ARES UHF FREQUENCIES

System/Cache	Channel	Function	Talk Group	RX Freq	RX Tone	TX Freq	TX Tone
UHF	017	HU - CALL	ARES	446.0000		446.0000	
UHF	018	HU - ALPHA	ARES	446.0250		446.0250	
UHF	019	HU - BRAVO	ARES	445.9750		445.9750	
UHF	020	HU - CHARLIE	ARES	446.0125	100.0	446.0125	100.0
UHF	021	HU - DELTA	ARES	445.9875	100.0	445.9875	100.0
UHF	022	HU - APRS	ARES	441.0500		441.0500	
UHF	023	HU - DSTAR	ARES	446.2000		446.2000	
UHF	024	HU - SHELTER	ARES	444.3250	131.8	444.3250	131.8
UHF	025	HU - COMMAND	ARES	444.7250	179.9	444.7250	179.9
UHF	026						
UHF	027						
UHF	028						
UHF	029						
UHF	030						
UHF	031						
UHF	032						

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4. MINNESOTA ARES HF FREQUENCIES

System/Cache	Channel	Function	Talk Group	RX Freq	RX Tone	TX Freq	TX Tone
HF	01	HH - Charlie 1	CW	3.548	CW	3.548	CW
HF	02	HH - Charlie 2	CW	7.057	CW	7.057	CW
HF	03	HH - Charlie 3	CW	14.072	CW	14.072	CW
HF	04	HH - Delta 1	DATA	3.845	SSTV/FAX	3.845	SSTV/FAX
HF	05	HH - Delta 2	DATA	7.171	SSTV/FAX	7.171	SSTV/FAX
HF	06	HH - Hotel 1	PHONE	3.883	LSB	3.883	LSB
HF	07	HH - Hotel 2	PHONE	3.937	LSB	3.937	LSB
HF	08	HH - Hotel 3	PHONE	7.283	LSB	7.283	LSB
HF	09	HH - Hotel 4	PHONE	7.223	LSB	7.223	LSB
HF	10	HH - Hotel 5	PHONE	14.272	USB	14.272	USB
HF	11	HH - Hotel 6	PHONE	14.237	USB	14.237	USB
HF	12	HH - Section Phone	ARES	3.860	LSB	3.860	LSB
HF	13	HH - Section CW	ARES	3.568	CW	3.568	CW
HF	14	HH - Region Phone	ARES	7.275	LSB	7.275	LSB
HF	15						
HF	16						

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