	Channel Configuration	Channel Name/Trunked Radio System Talkgroup	Eligible Users	RX Freq N or W	RX Tone/NAC	TX Freq N or W	Tx Tone/NAC	Mode A, D or M	Remarks
1	R	BALDY	TECH OR ABOVE	442.5000 W	131.8	447.5000 W	131.8	A	K7BNR
2	R	LNGMV	TECH OR ABOVE	145.2300 W	100.0	144.6300 W	100.0	A	Linked with Long Mtn UHF
3	R	LNGMU	TECH OR ABOVE	444.0750 W	118.8	449.0750 W	118.8	A	Linked with Long Mtn VHF
4	S	BAVSIM	TECH OR ABOVE	146.4600 W	CSQ	146.4600 W	CSQ	A	Bonner ARES VHF Simplex Voice
5	S	BAVDIG	TECH OR ABOVE	146.4800 W	CSQ	146.4800 W	CSQ	A	Bonner ARES VHF Simplex Digital
6	S	BAUSIM	TECH OR ABOVE	445.8000 W	CSQ	445.8000 W	CSQ	A	Bonner ARES UHF Simplex Voice
7	S	BAUDIG	TECH OR ABOVE	445.9500 W	CSQ	445.9500 W	CSQ	A	Bonner ARES UHF Simplex Digital
8	R	BLLRV	TECH OR ABOVE	145.2900 W	110.9	144.6900 W	110.9	A	Bnr ARES Low Level Repeater VHF (In trailer)
9	R	BLLRU	TECH OR ABOVE	440.0000 W	123.0	445.0000 W	123.0	A	Bnr ARES Low Level Repeater UHF (In trailer)
10	R	LGMRSS	GMRS LICENSE	462.6250 W	OFF	467.6250 W	D131N	A	VIPAR USE Long Mtn GMRS (Carrier Squelch)
11	R	LMGMRS	GMRS LICENSE	462.6250 W	D125N	467.6250 W	D125N	A	VIPAR USE Long Mtn GMRS (GMRS Lic Req)
12	R	VTAC38	Part 90 under BCEM	158.7375 N	CSQ	159.4725 N	136.5	A	Non Fed VHF Natl Interop Repeater
13	R	UTAC43	Part 90 under BCEM	453.8625 N	CSQ	458.8625 N	156.7	A	Non Fed UHF Natl Interop Repeater
14	S	W7BFI	TECH OR ABOVE	145.0900 W	CSQ	145.0900 W	CSQ	A	W7BFI-7 BLK MTN WINLINK GATEWAY NOTE 9
15	S	WR7VHF	TECH OR ABOVE	145.0900 W	CSQ	145.0900 W	CSQ	A	WR7VHF-4 MT SPOK WINLINK GATEWAY NOTE 10
16	S	UHFSIM	TECH OR ABOVE	446.0000 W	CSQ	446.0000 W	CSQ	A	UHF NATIONAL CALLING FREQUENCY
17	S	VHFSIM	TECH OR ABOVE	146.5200 W	CSQ	146.5200 W	CSQ	A	VHF NATIONAL CALLING FREQUENCY
18	S	AMRRNV	TECH OR ABOVE	146.4200 W	CSQ	146.4200 W	CSQ	A	AmRRON Voice Primary Simplex
19	S	AMRRND	TECH OR ABOVE	144.4800 W	CSQ	144.4800 W	CSQ	A	AmRRON Digital Primary Simplex

COMMUNICATIONS RESOURCE AVAILABILITY WORKSHEET BONNER ARES/RACES   ICS-217

Frequency Band: **UHF-VHF**

Description: **LOCAL**

The convention calls for frequency lists to show four digits after the decimal place, followed by either an "N" or a "W", depending on whether the frequency is narrow or wide band.   Mode refers to either "A" or "D" indicating analog or digital (e.g. Project 25) or "M" indicating mixed mode. All channels are shown as if programmed in a control station, mobile or portable radio.   Repeater and base stations must be programmed with the Rx and Tx reversed.

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	Channel Configuration	Channel Name/Trunked Radio System Talkgroup	Eligible Users	RX Freq N or W	RX Tone/NAC	TX Freq N or W	Tx Tone/NAC	Mode A, D or M	Remarks
	COMMUNICATIONS RESOURCE AVAILABILITY WORKSHEET BONNER ARES/RACES ICS-217					**Frequency Band** **UHF-VHF-HF**			**Description** **STATEWIDE**
1	DMR	ARES ID STATEWIDE	TECH OR ABOVE	0.0000	SEE NOTE 7	0.0000	SEE NOTE 7	D	DMR, TG 31160
2	DMR	ARES ID District 1	TECH OR ABOVE	0.0000	SEE NOTE 7	0.0000	SEE NOTE 7	D	DMR, TG 31161
3	DMR	ARES ID CENTRAL	TECH OR ABOVE	0.0000	SEE NOTE 7	0.0000	SEE NOTE 7	D	DMR, TG 31162
4	DMR	ARES ID SE	TECH OR ABOVE	0.0000	SEE NOTE 7	0.0000	SEE NOTE 7	D	DMR, TG 31164
5	DMR	ARES ID SW	TECH OR ABOVE	0.0000	SEE NOTE 7	0.0000	SEE NOTE 7	D	DMR, TG 31165
6	DMR	ARES ID TETON CITY	TECH OR ABOVE	0.0000	SEE NOTE 7	0.0000	SEE NOTE 7	D	DMR, TG 31166
7	LSB	75M ALTERNATE	GEN OR ABOVE	3.8790		3.8790		A	
8	LSB	75M PRIMARY	GEN OR ABOVE	3.9290		3.9290		A	
9	USB	60M INTEROP 1	GEN OR ABOVE	5.3305		5.3305		A/D	MT63@1500 NOTES 3,4,5,6
10	USB	60M INTEROP 4	GEN OR ABOVE	5.3715		5.3715		A/D	MT63@1500 NOTES 3,4,5,6
11	LSB	40M PRIMARY	GEN OR ABOVE	7.1940		7.1940		A	
12	LSB	40M ALTERNATE	GEN OR ABOVE	7.2580		7.2580		A	
13	USB	20M PRIMARY	GEN OR ABOVE	14.2500		14.2500		A	
14	USB	20M ALTERNATE	GEN OR ABOVE	14.3150		14.3150		A	

The convention calls for frequency lists to show four digits after the decimal place, followed by either an "N" or a "W", depending on whether the frequency is narrow or wide band. Mode refers to either "A" or "D" indicating analog or digital (e.g. Project 25) or "M" indicating mixed mode. All channels are shown as if programmed in a control station, mobile or portable radio. Repeater and base stations must be programmed with the Rx and Tx reversed.

v.2021-11-12

NOTES:

1. The convention calls for frequency lists to show four digits after the decimal place, followed by either an **N** or a **W**, depending on whether the frequency is narrow or wide band. Mode refers to either **A** or **D** indicating analog or digital (e.g. Project 25) or **M** indicating mixed mode (Amateur Radio repeaters are **Wide**). **D** may be substituted with **D*, C4FM, DMR, NXDN** or **P25** as appropriate. If **M** is indicated, the digital mode should be included with a / delimiting the **M** and the appropriate digital mode (i.e. **M/D***). If expressing an HF digital mode, the preferred modem and insertion point should be indicated (i.e. MT63-1KL@1500, MT63-2KL@1500, etc.). All channels are shown as if programmed in a control station, mobile or portable radio. Repeater and base stations must be programmed with the Rx and Tx reversed.

2. Where receiver or transmitter tone access is shown, these may be overloaded for digital modes with appropriate terminology. For example, if a DMR repeater is indicated, the color code, time-slot and talk-group should be indicated, expressed as **CC1, S1, TG31160.**

3. 60-meter channels, per FCC regulation, must be stored in memory.

4. 60-meter operation, per FCC regulation, is limited to 100-Watts Effective Radiated Power (ERP).

5. 60-meter digital operation, per FCC regulation, must be centered on the center of the channel (i.e. 1500 Hz up from the dial frequency). The primary allocation for the 60-meter channels is for Federal use and is issued by the NTIA, where NTIA rules impose this requirement. The FCC rules, which govern Amateur Radio operations with a secondary allocation on 60-meters, impose the same requirements on the Amateur Radio operator as the NTIA rules impose upon the Federal operator.

6. 60-meter digital interoperability operations, involving FEMA Region X and using MT63-1KL or MT63-2KL should have the station configured to enable receive Read Solomon ID (RSID) so that modem selection will automatically track the transmitting station. With FLDIGI, check the RxID box at the top right of the window to enable receive RSID.

7. **Bonner County ARES currently does not have the equipment or ability to operate within DMR talk-groups.** The Brandmeister DMR Network supports several DMR Talk-Groups in support of Idaho ARES operations. The statewide talk-group is 31160. District 1 talk-group is 31161. Color Code and Time Slot access should be programmed in accordance with the requirements set by your local repeater operator or for your own DMR hot-spot device. Because of the large variability in operating frequency, color-code and time-slot, access details are not listed here.

8. The Bonner portable repeater #1 has a Digital Coded Squelch (DCS) of 131N (normal N vs inverted I). On Motorola radios this will be Digital Private Line (DPL).

9. Connection Script for Black Mtn.W7BFI-7
   C W7BFI
   CONN
   C KB0NHW-10
   CONN

10. Connection Script for Mt. Spokane WR7VHF-4
    C WR7VHF-4
    CONN
    CW7BFI-7
    CONN
    C KB0NHW-10
    CONN