



Aviation Communications

RT-130 2024

Safety



Effectiveness



Coordination

Radios & Capabilities



Ground

VHF-FM

A/G

Scan & Prioritize



Aircraft

1 – 3 FM Radios
2-3 AM Radios
(aircraft to aircraft)
DO NOT Scan!

MN DNR FORESTRY AVIATION PROGRAM				
TAC, A/G, AIR NET & AM (Victor) RADIO FREQUENCY CARD				
Page 1	Revised 03/07/23			
CH	AREA / DESIGNATOR	FREQUENCY	ZONE/AC	N/D
1	DNR TAC 1	151.4750	156.7	N
2	MNICS TAC 2	170.4750		N
3	DNR A/G 1	151.3400	110.9	N
4	DNR A/G 2	159.3000	110.9	N
5	DNR A/G 3 (Extended Attack)	172.3750		N
6	A/G - 03 (Federal)	166.6125		N
7	A/G - 19	168.1250		N
8	A/G - 51	168.3125		N
9	A/G - 72	169.1500		N
10	AIR NET SIMPLEX (Digital)	151.3700	5555	D
11	CENTRAL REPEATER * Rx	151.3700	5555	D
	Quads (Digital) Tx	156.1350	5455	D
12	NORTHEAST REPEATER * Rx	154.8000	540B	D
	Eveneth (Digital) Tx	159.3825	540B	D
13	NORTH-CENTRAL RPTR * Rx	154.8000	54F9	D
	Northome (Digital) Tx	159.3800	54F9	D
14	CARLOS SIMPLEX - (Digital)	151.3700	53E8	D
15	SOUTH REPEATER * Rx	151.3700	53E8	D
	Buffalo (Digital) Tx	156.1350	5555	D
16	NORTHWEST REPEATER * Rx	151.3700	54A4	D
	Winner (Digital) Tx	156.1350	54A4	D
17	WEST REPEATER * Rx	151.3700	5585	D
	New York Mills (Digital) Tx	156.1350	5585	D
18	ARROWHEAD RPTR * Rx	151.3700	54CE	D
	Grand Marais (Digital) Tx	156.1350	54CE	D
19	HELIBASE DECK / RAMP	159.2400	100.0	N
20	USFS - NAT'L FLIGHT FOLLOW	168.6500	110.9	N
21	WARRIOR (Wannaska)	151.3850	54F9	D
22	BAUDETTE	151.3250	54F9	D
23	BENJAMIN	151.2650	5555	D
24	PAIK RAPIDS	151.3850	5555	D
25	BACULUS (Brainerd)	151.1750	558B	D
26	LITTLEFORK	151.1750	54F9	D
27	TOWER	151.2650	540B	D
28	TWO HARRORS	151.1750	540B	D
29	CLOQUET	154.4300	540B	D
30	HIBBERING (Eveneth)	151.3250	540B	D
31	DEER RIVER (Grand Rapids)	151.3850	5455	D
VHF - AM (VICTOR) FREQUENCIES				
DETECTION & HELICOPTER INITIAL ATTACK - AIR/AIR 122.925				
FIXED WING & ADDITIONAL AIR/AIR FREQUENCIES AS ASSIGNED				
ASSIGNED THROUGH FIRE CENTER				
MNICS - ALL RISK FREQUENCY - AIR/AIR 123.100				
TANKER BASE OPERATIONS - AIR/GROUND/RAMP 122.075				
TRANSPONDER 133S LIGHTS ON				
NAC codes for Digital in "HEX" format (S) -- * Indicates repeater				
AIR GUARD 168.85 Tx - 110.9 N				

MN DNR FORESTRY AVIATION PROGRAM				
MN DNR & MNCS RADIO FREQUENCY CARD				
Page 2	Revised 03/07/23			
CH	AREA / DESIGNATOR	SIMPLEX	ZONE/AC	N/D
32	AITKIN	151.2650	5455	D
33	SANDSTONE	151.3850	558B	D
34	LITTLE FALLS	151.4000	561F	D
35	CAMBRIDGE	151.3250	558B	D
36	ROCHESTER	151.2650	54F9	D
37	SUF - EAST DIRECT	171.5250		N
38	SUF - WEST DIRECT	170.5250		N
39	USFS - SUPERIOR TAC 1	169.1250		N
40	USFS - CHIPPEWA NET	113.7150		N
41	USFS - CHIPPEWA TAC 1	171.5500		N
42	USFS - R-9 FIRE	166.5625		N
43	USFS STATEWIDE TAC 1	168.3500	107.2	N
44	BIA - STATEWIDE	172.4250		N
45	BIA - RED LAKE (Five-Oh)	166.2750	Tx - 114.8	N
46	BIA - NETT LAKE REPEATER * Rx	172.4250		N
	Bois Forte Tx	171.2250	Tx - 100.0	N
47	BIA - MT. MAUDE REPEATER * Rx	172.4250		N
	Grand Portage Tx	171.2250	Tx - 156.7	D
48	VOYAGEURS NP (Digital)	166.9000	5100	D
49	VOYAGEURS NP (Analog)	166.9000		N
50	VFIRE 23 (FIRE MUTUAL AID)	154.2950	156.7	N
51	V MED 28 (EMS)	155.3400	Tx - 156.7	N
52	V LAW 31 (MINUTE)	155.4750	Tx - 156.7	N
53	MNCOMM (MNCS)	155.3700	Tx - 156.7	N
54	V-CALL 10	155.7525	Tx - 156.7	N
55	V-TAC 11	151.1375	Tx - 156.7	N
56	V-TAC 12	154.8525	Tx - 156.7	N
57	V-TAC 13	158.7375	Tx - 156.7	N
58	V-TAC 14	159.4725	Tx - 156.7	N
59	AIR NET SIMPLEX (Analog)	151.3700	136.5	N
60	CENTRAL REPEATER * Rx	151.3700	136.5	N
	Quads (Analog) Tx	156.1350	110.9	N
61	NORTHEAST REPEATER * Rx	154.8000	103.5	N
	Eveneth (Analog) Tx	159.3825	103.5	N
62	NORTH-CENTRAL RPTR * Rx	154.8000	127.3	N
	Northome (Analog) Tx	159.3800	127.3	N
63	CARLOS SIMPLEX (Analog)	151.3700	100.0	N
64	SOUTH REPEATER * Rx	151.3700	100.0	N
	Buffalo (Analog) Tx	156.1350	136.5	N
65	NORTHWEST REPEATER * Rx	151.3700	118.8	N
	Winner (Analog) Tx	156.1350	118.8	N
66	WEST REPEATER * Rx	151.3700	141.3	N
	New York Mills (Analog) Tx	156.1350	141.3	N
67	ARROWHEAD RPTR * Rx	151.3700	123.0	N
	Grand Marais (Analog) Tx	156.1350	123.0	N
68-72	Reserved			
Notes: Channels 45 Thru 47 & 51 thru 58 are tone on Tx only				
NAC codes for Digital in "HEX" format (S) -- * Indicates repeater				

Frequencies

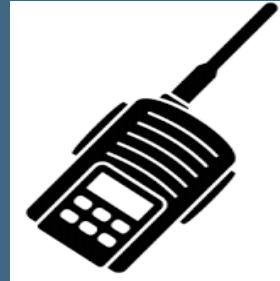
A/G

Command

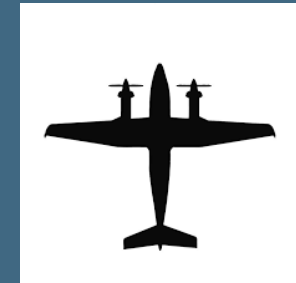
Air Guard

Radios & Capabilities

Ground Resources



- VHF-FM radio required!



- Scan and prioritize aviation traffic

Radios & Capabilities Aviation Resources



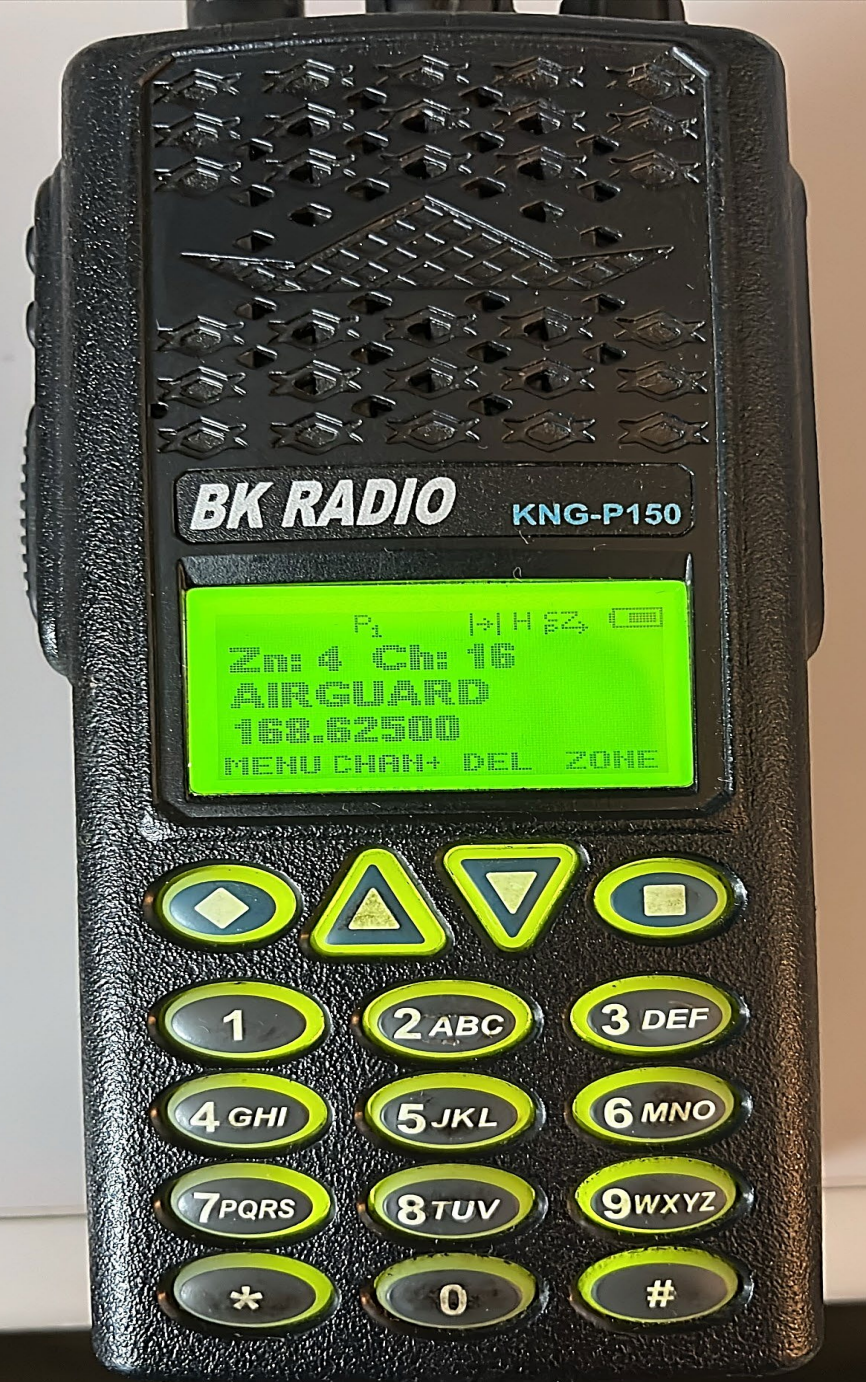
Aircraft radios do
NOT scan



Air Guard

Radios & Capabilities

Frequencies



Troubleshooting



Air Guard

ABC's of Communication

- **A**ccurate
- **B**rief
- **C**lear



Communication Basics

- Parts of the fire
- Visible landmarks
- Clock direction
- High, low, even when in terrain
- Signaling devices – mirror, panel, strobe



***IRPG – pages 74-75**

The “Do’s & Do NOT’s”

Do:

- Prioritize A/G traffic
- Assign a contact for aviation assets
- Scan the correct frequencies
- Provide honest feedback
- Report hazards

Do NOT:

- Use A/G for non-aviation traffic or tie up a frequency
- Contact helicopters while in the dip*
- Contact aircraft on the drop*
- During landing/takeoff*

*Unless an emergency



UAS



NO fly
zone



Notify
dispatch



Dispatch to
call the Air
Desk

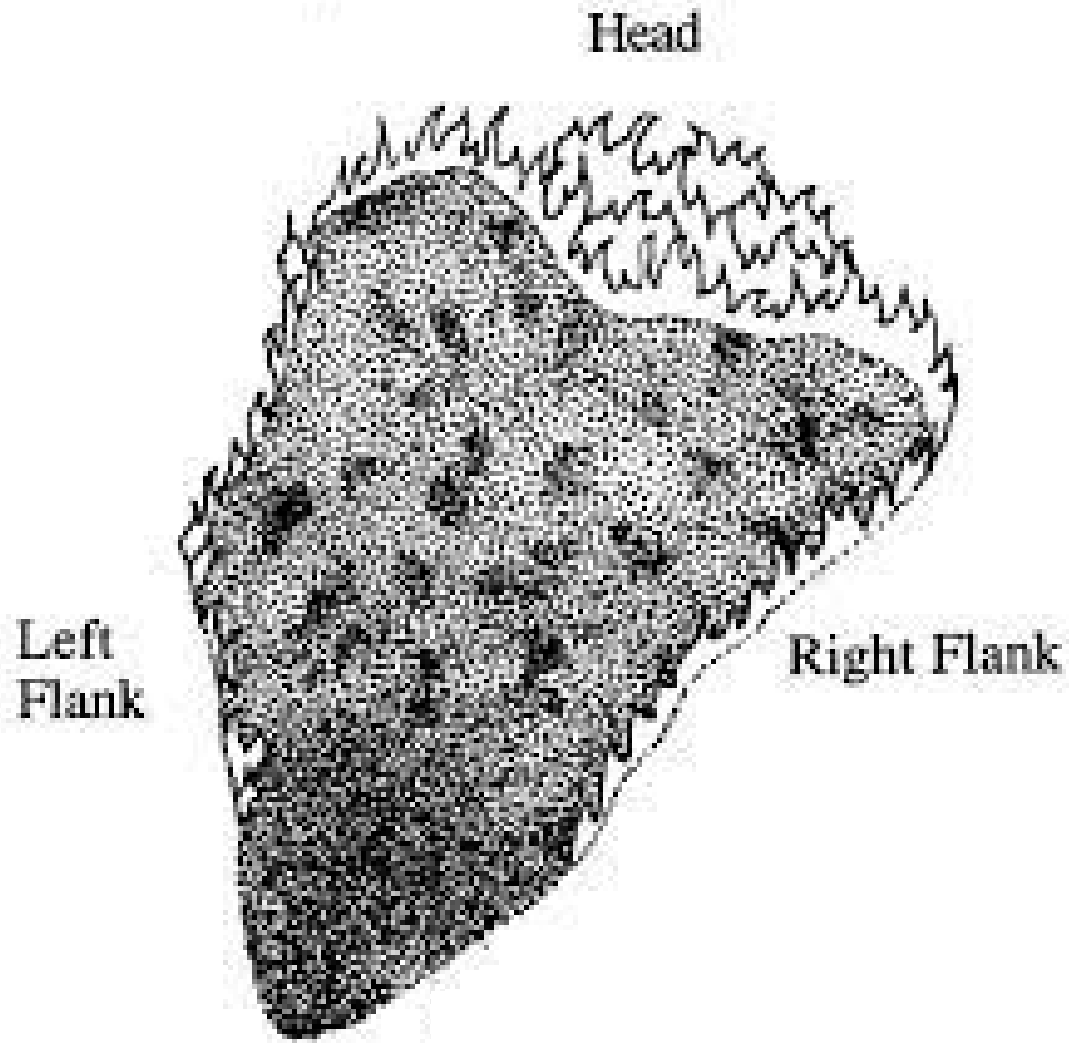
Initial Contact

- Establishing radio contact
- Informing IC of ETA
- Confirm A/G freq.
- Big picture – hazards, objectives



“Creek IC, helicopter 1AW
on Lookout Repeater”

Creek Fire



Student Scenario

Communicating with Aircraft

Verify ground contact

- Name, location & frequency

Communicate “the plan”

- Objectives and tactics

Confirm on scene hazards

- Wires, towers, fences, hazmat, etc.
- Other aircraft – detection, etc.





WRAP-UP

- Scan & prioritize A/G
- Assign a contact if necessary
- Stick to fire terminology & anatomy
- Air Guard freq.
- See something, say something!

Questions?