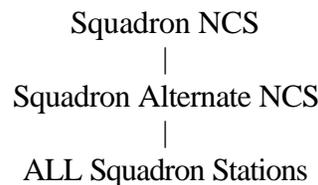


COMMUNICATIONS

OPERATIONS AND TRAINING PLAN

1. **PURPOSE:** To provide an organized, efficient and reliable emergency operations and training communications network to support the Iowa Wing and the Central Iowa Composite Squadron during an emergency and routine training.
2. **SCOPE:** This plan applies to ALL communications of the Central Iowa Composite Squadron radio stations to be used on a daily basis for unit operational matters and communications training.
3. **NETWORK ORGANIZATION:** The communications network on voice HF and VHF will be established to support the Unit Commander and/or Incident Commander in support of either Wing or Unit directed activities. The Net Control Station (NCS) responsibilities shall be assumed by the senior ranking person on the net until the Unit Communications Officer or his/her representative (i.e. Alternate NCS or Assistant Communications Officer) assumes control of the Net's activities from the Squadron's Fixed Station or deployed mission station as required. All unit members are considered part of the Unit's Communications Net. The unit network will be maintained and composed of the following stations:



4. **NETWORK FUNCTIONS:** Flight nets will be used daily in support of routine and emergency operational matters conducted by the squadron. The network will be used extensively for ALL aspects of communications training and testing.
5. **PLAN REQUIREMENTS:** This squadron will publish and maintain operations and training plans to support the operations of itself, Iowa Wing CAP, and other public service agencies with which it has a written agreement. (i.e.: American Red Cross, Amateur Radio, and the Emergency Management Agency)
6. **NET CONTROL STATION CAPABILITIES:** All net control and alternate net control stations will maintain operational capabilities for as many wing-authorized frequencies as possible. Auxiliary power capability is highly encouraged and, if available, IS to be exercised at least monthly. Use will be annotated in the station radio logs. (CAPF 110 or equivalent)
7. **FREQUENCY MANAGEMENT:** The HF USB frequencies will be the primary means of contact with the Wing HQ. Squadron nets will be limited to VHF-FM (148.150 MHz) and to 26.620 AM for operations and training. The 49 MHz and FRS unlicensed band may be used for training, flight line control, and ground

team intercommunications during operations. Maximum use of VHF-FM is the primary communications means for the Central Iowa Composite Squadron.

8. FREQUENCIES AND EMISSIONS AUTHORIZED:

<u>FREQUENCY</u>	<u>EMISSION</u>	<u>MAXIMUM POWER OUTPUT</u>
4.506.0 KHz	USB	400 (PRIMARY FOR IAWG)
4.509.0 KHz	USB	400 (PRIMARY FOR NCR PKT)
4.582.0 KHz	USB	400 (NAT'L EMERGENCY)
26.620 KHz	USB/AM	150 USB / 5 AM
143.750 MHz	FM	50 Repeater Input
143.900 MHz	FM	50 Repeater Input
148.125 MHz	FM	30 Alternate Simplex
148.1375 MHz	FM	30 Alternate Simplex
148.150 MHz	FM	50 (PRIMARY FOR CICF)
149.5375 MHz	FM	50 Air To Ground
149.895 MHz	FM	50 Packet Only

9. **FREQUENCY UTILIZATION:** Maximum frequency use will be made of all free (Unscheduled) time on a first come, non-interference basis. The frequency use is as follows:

<u>VHF</u>		<u>HF</u>	
143.900/148.150	FM Voice	4506.0	USB Voice
148.150	FM Voice	4509.0	USB Packet
149.895	Packet	4582.0	USB Voice/Emergency
		26.620	USB/AM Voice
<u>AM</u>			
122.900	Air to Ground		
123.100	SAR Operations		

10. **FREQUENCY PRIORITY:** Frequency priority will always be given to support an emergency mission. The next priority is operational traffic. Training has the least priority for frequency use. The primary radio communications frequency for the Story County area is 148.150 simplex. The CICS alternate frequency is 148.125 MHz.

11. **NET SCHEDULES:** ALL net schedules are in ZULU/UTC (z) time. The squadron nets areas follows:

NET	NCS/ANCS	DAY	TIME	FREQUENCY
FM	IC 320/IC 324/IC 323	Mon.	0300z	148.150

12. **DAYLIGHT-SAVING TIME:** Net times listed for all schedules will be changed one hour earlier, during periods daylight-saving time is in effect.

13. **AUXILIARY POWER:** All stations with auxiliary power will use it for a 30-minute period on any net each month. Appropriate entries will be made in the station logs. Also, notify when checking into NCS that you are operating on auxiliary power.

14. **BACKUP EQUIPMENT:** Backup equipment is to be available and ready for immediate use. It should be tested at least once every month.

15. **COMMAND AND CONTROL:** The Net Control Station is always in charge of the net. If the NCS leaves the net, the Alternate NCS will be designated as the NCS.
16. **INITIAL RADIO OPERATOR QUALIFICATIONS:** Prospective radio operators will be trained by the Unit Communications Officer or his/her representative. They **MUST** complete the requirements as listed in CAPR 100-1 Communications.
17. **PROFICIENCY TRAINING:** Communications skill's proficiency will be maintained by the following means:
- A. Participation in Squadron Nets
 - B. Participation in Public Service events as communicators
 - C. Unit training exercises
 - D. Wing training exercises
 - E. Practical and Actual SAR/DR's
 - F. Participation in Wing and/or Region HF nets
18. **PROFICIENCY REMISSION AND RETRAINING:** Any unit member who is judged by the unit communications officer and unit commander to be deficient in any area shall be notified by the communications officer of the areas in question and retraining will begin immediately.

DOUGLASS R. JANSEN, Captain, CAP
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