

KC-130/ARC-164 HAVEQUICK

- 1.) **SETUP:**
- A.) ICS CONT BOX - SET/SELECT AS REQ
 - B.) MANUAL/PRESET/GUARD SW - MANUAL
 - C.) FREQ SW'S - SET TO REQ FREQ (VMGR-452 AVIONICS AUTO-DOG 310.425)
 - D.) FUNCTION SELECTOR - MAIN OR BOTH
(AIRCRAFT WITH GPS/ARC-164 INTEGRATION SKIP STEP E, BUT WAIT UNTIL GPS FOM IS < 7 TO CHECK TOD)
 - E.) WAIT FOR AUTO-DOG TO SEND TOD
 - F.) RETUNE RADIO TO ANOTHER FREQ TO PRECLUDE XMITTING A NON-STD TOD ON AN AUTO-DOG FREQ.
 - G.) TONE BUTTON - PRESS AND TEMP HOLD (DUAL TONE GOOD)
(TOD GOOD WHEN - TOD TONE IS HEARD & FOLLOWED WITH A STD TONE, TOD IS BAD WHEN ONLY A STD TONE IS HEARD)
 - H.) LOAD MWODS PER SECTION 5
 - I.) A-3-2-T KNOB - "A" ("ACTIVE" HAVEQUICK MODE)
 - J.) FREQ AND CHANNEL SWITCHES - AS REQUIRED FOR NET# (EX. A00.425 - NATO NET# 4)

NOTES FOR ENTERING ACTIVE MODE:

SOLID TONE - INDICATES TOD, WOD AND/OR OP-DAY (SELF-START MODE ONLY) NOT SETUP PROPERLY.
BEEPING TONE - INDICATES AN INVALID NET# IS SELECTED, VALID TRAINING NET#S, HQI (0-4) A00.000-
A00.400, HQII (0-15) A00.025-A01.525 (ENSURE MANUAL IS SELECTED OR PRESET IS PROPERLY LOADED).

2.) **TO ENTER/CHANGE MODES:**

- A.) FUNCTION SELECTOR - MAIN OR BOTH
- B.) MANUAL/PRESET/GUARD SW - PRESET
- C.) CHAN SW - 20
- D.) FREQ SW - ENTER COMMAND MODE# FROM BELOW:

COMMAND MODE#	MODE/FUNCTION
220.000	VERIFY/OPERATE
220.025	MWOD LOAD
220.050	MWOD ERASE
220.075	FMT-NET LOAD

- E.) RED PRESET BUTTON - PRESS (SINGLE BEEP)

3.) **NORMAL RADIO UHF MODE: (VOLUME KNOB - AS REQUIRED, SQUELCH - ON)**

- A.) ENTER VERIFY/OPERATE MODE PER SECTION 2
- B.) MANUAL/PRESET/GUARD SW - MANUAL (PRESET NOT RECOMMENDED, PRESETS CAN NOT BE VERIFIED)
- C.) FREQ AND CHANNEL SWITCHES - AS REQUIRED

4.) **TOD (TIME-OF-DAY, RADIO WILL LOOSE TOD IF CYCLED TO OFF FOR MORE THAN A FEW SECONDS):**

TOD - RECEIVE (FROM AUTO-DOG OR ANOTHER USER):

(RADIO WILL AUTOMATICALLY CONTINUOUSLY SEARCH FOR INITIAL TOD ON SET FREQ DURING RADIO POWER-UP, NO NEED TO ENTER OPERATE OR TOD RECEIVE MODE. SELECTING TOD RECEIVE MODE WILL LIMIT TOD SEARCH TO ONLY 1 MINUTE. AIRCRAFT WITH GPS/ARC-164 INTEGRATION WILL AUTOMATICALLY RECEIVE A TOD WHEN THE AIRCRAFT GPS SYSTEM HAS A FOM < 7)

- A.) ENTER VERIFY/OPERATE MODE PER SECTION 2
- B.) MANUAL/PRESET/GUARD SW - MANUAL
- C.) FREQ AND CHANNEL SWITCHES - AS REQUIRED (SET TO AUTO-DOG OR OTHER USER)
- D.) A-3-2-T SWITCH - MOMENTARILY TO "T" (RADIO LISTENS FOR A TOD FOR ONLY 60 SECONDS)
- E.) WAIT FOR AUTO-DOG OR REQUEST ANOTHER USER TO SEND A "MICKEY"
- F.) A SHORT DATA BURST (TOD TONE) WILL INDICATE THE TOD WAS TRANSMITTED

TOD - SEND (TO ANOTHER USER):

- A.) ENTER VERIFY/OPERATE MODE PER SECTION 2
- B.) MANUAL/PRESET/GUARD SW - MANUAL
- C.) FREQ AND CHANNEL SWITCHES - AS REQUIRED
- D.) TONE BUTTON - PRESS AND TEMP HOLD (GOOD - TOD TONE WITH STD TONE, BAD - STD TONE ONLY)

TOD - SELF-START/EMERGENCY

- A.) ENTER VERIFY/OPERATE MODE PER SECTION 2
- B.) A-3-2-T SWITCH - HOLD IN "T" AND PRESS TONE BUTTON (NO BEEP)
- C.) SELECT OP-DAY PER SECTION 5

TOD - VERIFY:

- A.) ENTER VERIFY/OPERATE MODE ABOVE
- B.) RETUNE RADIO TO ANOTHER FREQ TO PRECLUDE TRANSMITTING A NON-STD TOD.
- C.) TONE BUTTON - PRESS AND TEMP HOLD (GOOD - TOD TONE WITH STD TONE, BAD - STD TONE ONLY)

5.) **MWOD (MULTIPLE WORD-OF-DAY, RADIO WILL REMEMBER LAST 6 ENTERED EVEN WHEN POWERED DOWN):**

MWOD LOAD MODE:

- A.) ENTER MWOD LOAD MODE PER SECTION 2
 - B.) MANUAL/PRESET/GUARD SW - MANUAL
 - C.) CHAN SW - 20
 - D.) FREQ SWITCHES - ENTER 6 DIGIT SEGMENT
 - E.) TONE SW - PRESS (SINGLE BEEP)
 - F.) CHAN SW - DECREASE BY ONE
 - G.) REPEAT STEPS D-F FOR NEXT 5 SEGMENTS (6 TOTAL)
 - H.) CHAN SW - 14
 - I.) FREQ SWITCHES - ENTER MWOD DATE (3XX.000 XX=MWOD DATE)
 - J.) TONE SW - PRESS (DOUBLE BEEP)
 - K.) REPEAT STEPS C-J TO ENTER ADDITIONAL MWODS (6 MAX)
 - L.) ENTER VERIFY/OPERATE MODE PER SECTION 2
- OP-DAY - (ONLY REQUIRED FOR SELF-START/EMERGENCY MODE)**
- A.) WHILE IN MWOD LOAD MODE & MANUAL/PRESET/GUARD SW - MANUAL, SET CHAN - 01
 - B.) FREQ SWITCHES - ENTER MWOD DATE (3XX.000 XX=MWOD DATE)
 - C.) TONE SW - PRESS (MULTI BEEPS)

MWOD VERIFY STORAGE:

- A.) ENTER VERIFY/OPERATE MODE PER SECTION 2
- B.) MANUAL/PRESET/GUARD SW - MANUAL
- C.) FREQ SWITCHES - ENTER MWOD DATE TO CHECK (3XX.000 XX=MWOD DATE)
- D.) CHAN SW - MOMENTARILY CYCLE 20-19-20 (SINGLE BEEP INDICATES WOD STORED)

MWOD ERASE:

- A.) ENTER MWOD ERASE MODE PER SECTION 2
- B.) MANUAL/PRESET/GUARD SW - MANUAL
- C.) TONE SW - PRESS (NO BEEP - ALL MWODS ERASED, VERIFY MWODS ERASED PER STEPS ABOVE)

6.) **SELECT NET#s:**

- A.) ENTER VERIFY/OPERATE MODE PER SECTION 2
- B.) MANUAL/PRESET/GUARD SW - AS REQUIRED FOR BELOW
- C.) A-3-2-T KNOB - "A" ("ACTIVE" HAVEQUICK MODE)
- D.) FREQ SWITCHES - AS REQUIRED FOR NET# (EX. A01.425 - NATO NET# 014)

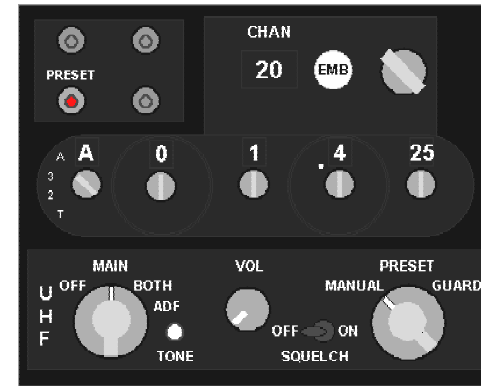
TONE NOTES - SEE BOTTOM OF SECTION 1

7.) **LOAD FMT-NET FREQUENCIES (FOR TRAINING MODE ONLY):**

NOTE - STANDARD FMT-NET FREQS ARE ALREADY STORED IN THE RADIO, SHOULD NOT HAVE TO PERFORM THE BELOW STEPS:

- A.) ENTER FMT-NET LOAD MODE ABOVE
- B.) MANUAL/PRESET/GUARD SW - MANUAL
- C.) CHAN SW - 20
- D.) FREQ SWITCHES - ENTER FMT FREQUENCY (CHART BELOW OR FREQS PROVIDED BY HIGHER)
- E.) TONE SW - PRESS (SINGLE BEEP)
- F.) CHAN SW - DECREASE
- G.) REPEAT STEPS D-F FOR NEXT 15 FREQS (16 TOTAL)
- H.) RETURN TO VERIFY/OPERATE MODE PER SECTION 2

HQ II (16 FMT - CONUS)			
20	235.050	12	314.450
19	225.150	11	308.750
18	252.925	10	303.275
17	239.950	9	298.650
16	271.950	8	293.550
15	267.850	7	289.050
14	262.450	6	284.150
13	257.250	5	279.750



KAL-9200 CRYPTO EXAMPLE

HAVE QUICK WORD OF DAY (TRAINING ONLY)							CONF US/ALLIED SEG 03	
CH14/34	CH15/35	CH16/36	CH17/37	CH18/38	CH19/39	CH20/40	KAL ED	REGNO
305.000	287.400	297.600	314.300	359.100	376.000	300.050	9200 C	225
↑	↑	↑	↑	↑	↑	↑	↑	↑
Date Tag	Seg 6	Seg 5	Seg 4	Seg 3	Seg 2	Seg 1	Key Info	Key Data

KC-130/ARC-164 HAVEQUICK QUICK-START SETUP

POWER ON & RECEIVE INITIAL TOD:

- A.) ICS CONT BOX - SET/SELECT AS REQ
- B.) MANUAL/PRESET/GUARD SW - MANUAL
- C.) FREQ SW'S - SET TO REQ FREQ (AUTO-DOG 310.425)
- D.) FUNCTION SELECTOR - MAIN OR BOTH

(AIRCRAFT WITH GPS/ARC-164 INTEGRATION SKIP STEP E, BUT WAIT UNTIL GPS FOM IS < 7 TO CHECK TOD)

- E.) WAIT FOR AUTO-DOG TO SEND TOD
- F.) TONE BUTTON - PRESS AND TEMP HOLD (DUAL TONE GOOD)

(TOD GOOD WHEN - TOD TONE IS HEARD & FOLLOWED WITH A STD TONE; TOD IS BAD WHEN ONLY A STD TONE IS HEARD)

NOTE - RADIO WILL AUTOMATICALLY CONTINUOUSLY SEARCH FOR INITIAL TOD ON SET FREQ DURING RADIO POWER-UP, NO NEED TO ENTER OPERATE OR TOD RECEIVE MODE. SELECTING TOD RECEIVE MODE WILL LIMIT TOD SEARCH TO ONLY 1 MINUTE. AIRCRAFT WITH GPS/ARC-164 INTEGRATION WILL AUTOMATICALLY RECEIVE A TOD WHEN THE AIRCRAFT GPS SYSTEM HAS A FOM < 7.

LOAD WOD:

- G.) MANUAL/PRESET/GUARD SW - PRESET
- H.) CHAN SW - 20
- I.) FREQ SW'S - 220.025
- J.) RED PRESET BUTTON - PRESS (SINGLE BEEP)
- K.) MANUAL/PRESET/GUARD SW - MANUAL
- L.) CHAN SW - 20
- M.) FREQ SW'S - ENTER 6 DIGIT SEGMENT
- N.) TONE SW - PRESS (SINGLE BEEP)
- O.) CHAN SW - DECREASE BY ONE
- P.) REPEAT STEPS M-O FOR NEXT 5 SEGMENTS (6 TOTAL)
- Q.) CHAN SW - 14
- R.) FREQ SW'S - ENTER MWOD DATE (3XX.000 XX=MWOD DATE)
- S.) TONE SW - PRESS (DOUBLE BEEP)
- T.) REPEAT STEPS L-S TO ENTER ADDITIONAL MWODS (6 MAX)

OPERATE MODE:

- U.) MANUAL/PRESET/GUARD SW - PRESET
- V.) CHAN SW - 20
- W.) FREQ SW'S - 220.000
- X.) RED PRESET BUTTON - PRESS (SINGLE BEEP)

SELECT NET#:

- Y.) MANUAL/PRESET/GUARD SW - MANUAL
- Z.) A-3-2-T KNOB - "A" ("ACTIVE" HAVEQUICK MODE)
- AA.) FREQ SW'S - AS REQ (EX. A00.425 - NATO NET# 4)

NOTES FOR ENTERING ACTIVE MODE:

SOLID TONE - INDICATES TOD, WOD AND/OR OP-DAY (SELF-START MODE ONLY) NOT SETUP PROPERLY.

BEEPING TONE - INDICATES AN INVALID NET# IS SELECTED, VALID TRAINING NET#'S, HQI (0-4) A00.000-A00.400, HQII (0-15) A00.025-A01.525 (ENSURE MANUAL IS SELECTED OR PRESET IS PROPERLY LOADED).

ACTIVE CHECKS:

- REQUEST ACTIVE CHECKS AND TOD'S FROM AVIONICS ON BASE/AUTO-DOG FREQ (310.425)
- UPON REQUEST, AVIONICS WILL ROLL ACTIVE TO HQ II TRAINING NET# 4 (A00.425)

HQ TRAINING MODE WOD	
20	300.050
19	235.050
18	235.050
17	235.050
16	235.050
15	235.050
14	3XX.000 (XX=CALENDAR DAY)