

## **5 FAH-2 H-720 HIGH FREQUENCY (HF)**

*(CT:TEL-12; 03-08-2005)  
(Office of Origin: IRM/APR/RG)*

### **5 FAH-2 H-721 HIGH-FREQUENCY BROADCAST RANGE**

*(CT:TEL-12; 03-08-2005)  
(State only)*

The *High-Frequency (HF)* networks provide long-distance communication links to officials traveling in country, *to* Department missions in neighboring countries, and *to* military aircraft or ships in the vicinity.

### **5 FAH-2 H-722 NET OPERATING INSTRUCTIONS**

*(TL:TEL-8; 08-05-2003)  
(State only)*

The Regional Information Management Centers (RIMCs) draft and distribute net operating instructions (NOIs) for operating and programming HF radio equipment used in a defined network within the RIMC's geographic area of responsibility. NOIs contain, but are not limited to, the following information:

- (1) Primary and secondary frequencies for establishing contact with other Department missions;
- (2) Department Federal Communications Commission (FCC) call signs for Department network participants;
- (3) Classified Joint Army Navy Air Force Publication (JANAP) call signs for Department participants and military entities;
- (4) Network configuration information; and
- (5) Instructions for conducting official tests. Specific information in the NOI will vary according to geographic location.

## 5 FAH-2 H-723 OPERATIONAL TESTING

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*(State only)*

- a. To ensure the operational readiness of all HF equipment and the competence of IRM radio operators, IRM personnel must test HF radio equipment weekly and officially record the results as directed in the NOI. Consult the RIMC if equipment fails or if personnel require additional training. Information Programs Center (IPC) personnel should maintain documentation of the testing schedule and unique post circumstances affecting radio operations.
- b. The Department recommends testing off-site HF equipment or HF mobile radios on a bi-weekly basis.
- c. Net Control Stations *must* conduct challenge and authentication tests with at least one net member during weekly radio tests.

## 5 FAH-2 H-724 NETWORK CONTROL STATION

*(TL:TEL-8; 08-05-2003)*  
*(State only)*

The RIMC designates one IPC to act as the network control station for other designated posts within contact range. The network control performs the following tasks:

- (1) Monitors network frequencies for radio communiqués from the RIMC, other posts, or military activities;
- (2) Acts as radio relay to establish contact between other posts in the network;
- (3) Coordinates weekly tests with posts within its network;
- (4) Reports results of weekly tests in official telegrams; and
- (5) Provides phone-patch support as required during emergency.

## 5 FAH-2 H-725 REPORTING REQUIREMENTS

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*(State only)*

- a. IPC at the network control station records the receive signal quality at network control and each subscriber station and sends the results in an UNCLASSIFIED telegram. Any reporting that references degraded station or network capabilities (broken radios, defective antennas, lack of staffing, etc.) must be sent via a separate telegram that is classified Sensitive But Unclassified/NOFORN (SBU/NOFORN). The telegram should explain if any post was not able to respond and what actions were taken to attempt radio contact.
- b. *Address the* telegram to the USOFFICE ITECH WASHDC, the Department, the RIMC, and network participants. The action addressees will most often be USOFFICE ITECH WASHDC and the RIMC, but other addressees may be asked to take action to correct deficiencies discovered during the test. Include passing instructions for ITECH FOR WLS, IRM/M/CST/LD, IRM/OPS/ITI, POST FOR IPC, and the regional bureau. List ACOA first on the TAGS line followed by KRIM, AMTC, KRIM, and KWIR.

## 5 FAH-2 H-726 FEDERAL COMMUNICATIONS COMMISSION CALL SIGNS

*(CT:TEL-12; 03-08-2005)*  
*(State only)*

- a. Call signs assigned to Department of State stations by the Federal Communications Commission (FCC) are controlled by EB/CIP and may not be reassigned laterally in the field without prior approval by EB/CIP and *IRM/OPS/ITL/LWS/RPB*.
- b. *Using an* FCC call sign in a spectrum assigned to the Amateur Radio Services or acknowledging a request for reception confirmations (QSLs) from amateur or short-wave radio operators *is prohibited*.

## 5 FAH-2 H-727 THROUGH H-729 UNASSIGNED