

6/8/73

**INSTALLATION OF COAXIAL CONNECTOR DISCONNECT FITTINGS FOR TEST
SUBJ: OF AIR/GROUND ANTENNA SYSTEMS**

1. PURPOSE. This Order provides authorization and requests that coaxial disconnect fittings be inserted in air/ground antenna transmissions lines at the base of each antenna support, mast, or bracket.
2. DISTRIBUTION. This Order is to be distributed to section level and above in the Airway Facilities Division, all Airway Facilities Field Offices, and Project Field Groups by special distribution.
3. CANCELLATION. This Order cancels Order CE 6500.3 dated 8 Nov 65.
4. EXCEPTION. Disconnect fittings will not be required where the total length of transmission line between transmitter and antenna is 30-feet or less. Where the total line length is less than 30-feet, routine mandatory electronic checks can be satisfactorily accomplished at the transmitter output.
5. DESCRIPTION. The disconnect assembly at the base of the antenna supports should meet the following requirements where practicable.
 - a. The disconnect point should be a point nearest to the antenna where a technician can conveniently stand and accomplish system checks using RF wattmeter - VSWR indicator, ohmmeter, and insulation tester.
 - b. The disconnect fittings must be protected from the weather.
 - c. Where RG-17 cable is used for the major portion of the line, the disconnect fittings may be combined with the transition fittings at the junction of the RG-17 long line and the RG-8 cable to the antenna.
 - d. The length of RG-8 cable between the disconnect fitting and the antenna connector should be less than 30-feet.
 - e. This requirement for disconnect fittings applies to both receiving and transmitting antenna systems.
6. ACCOMPLISHMENT. The work shall be accomplished by local maintenance

Distribution: RAF-4, FAF-O (Normal)

Initiated By: AGL-433