ORDER

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

6930.6

2/19/68

SUBJ: TOWER, GUYED, UNINSULATED FOR MODERATE GAIN VHF/UHF ANTENNA SYSTEM, SPECIFICATION FAA-E-2332

1. PURPOSE. This order approves and implements the use of the subject specification developed by the Systems Research and Development Service. This specification covers the requirement for the design, fabrication, and packaging of guyed antenna towers to support the Moderate Gain VHF-UHF Antenna System for installation at selected RCAG sites.

2. BACKGROUND. A requirement exists to provide an improved support tower for the new VHF/UHF antenna system which has been developed to enhance long-range, ground-air-ground communication with aircraft using trans-oceanic air routes. The present system of HF facilities is less than satisfactory due to sustained period of ionospheric blackout and delays in data transmission. Additionally, the existing standard RCAG facility cannot provide adequate communication coverage for low altitude aircraft located 200-250 miles off shore. Experimentation with a moderate gain VHF/UHF antenna system has shown a marked improvement in communications, and a standard design for the supporting structure for the new antenna system has been developed.

3. APPLICATION. Procurement of towers and antenna supports for the Moderate Gain VHF/UHF Antenna System for approved projects shall be in accordance with the above specification. Specification FAA-E-2332 is being added to the Specification Currency List (Handbook) RD P 4405.2.

4. SOURCE OF INFORMATION AND COPIES. Any inquiries regarding the subject specification should be directed to the Chief, Environmental Development Division, RD-400. Requests for copies of FAA-E-2332 should be directed to the Chief, System Standards Branch, RD-420.

5. AUTHENTICATION.

for J. D. Conerly
John A. Weber, Director,
Systems Research and
Development Service

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