

ORDER

U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

SW 6190.3A

SOUTHWEST REGION

2/10/98

SUBJ: REPAIR OF ARTS IIIA DEDS CATHODE RAY TUBE INSULATION BOOTS

- 1. PURPOSE.** This order provides for the repair of Automated Radar Terminal System (ARTS) IIIA Data Entry Display Subsystem (DEDS) cathode ray tube insulation boots.
- 2. DISTRIBUTION.** This order is distributed to the branch level of the Airway Facilities Division and all Airway Facilities System Management Offices (SMO) having Automated Radar Terminal System equipment.
- 3. CANCELLATION.** Order SW 6190.3, Repair of ARTS III DEDS Cathode Ray Tube Insulation Boots, dated 5/27/76 is canceled.
- 4. ACTION.** Airway Facilities Division technicians may repair small cuts or cracks in the ARTS IIIA DEDS cathode ray tube insulation boots. This repair may be accomplished by cutting out a portion adjacent to the cut or crack and filling this area with Silicon Seal, Type GE-2562-01 DP or equivalent. After allowing the sealing compound to cure, the DEDS should be tested to assure that high voltage arcing does not occur.
- 5. BACKGROUND.** High voltage arcing has occurred after ARTS IIIA DEDS cathode ray tube replacement. In some instances this arcing has been caused by the cathode ray tube insulation boot being damaged during replacement.
- 6. EXPLANATION OF CHANGES.** This directive has been updated to reflect ARTS IIIA rather than ARTS III and to reflect current Airway Facilities field organizational titles.

/s/ William Phipps for
Marcos Costilla
Manager, Airway Facilities Division

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