

ORDER


DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION GREAT LAKES REGION

GL 3900.28

10/26/76

SUBJ: SAFETY ALERT - POSSIBLE SHOCK HAZARD WITH RML HEATED RADOME ANTENNA

1. PURPOSE. This order alerts Airway Facilities personnel of a safety hazard and outlines corrective action. THIS IS A SAFETY ALERT DIRECTIVE.
2. DISTRIBUTION. This order is being distributed to the Branch level and above in the Airway Facilities Division, and to all Airway Facilities Sectors and subordinate field offices in the Great Lakes Region.
3. ACTION. All Microwave Specialty Corporation (MSC) antennas should be checked for a shock hazard with the heater AC power on, and the heater control box switch to "BYPASS". Check that no voltage exists from any accessible radome retaining clip to ground. Also, as only one side of the line is broken in the control box, it should be verified that the AC "HOT" is broken. Check the input AC wiring to the heater control box. The AC "HOT" lead should go to TBl-1 and AC "NEUTRAL" to TBl-2.
4. BACKGROUND. A technician at Scappoose, Oregon received an electrical shock between a Microwave Specialty Corporation (MSC) antenna radome retaining clip and the steel RML tower. It was found that the rivet holding the retaining clip to the radome had pinched the heater wire embedded in the radome. Additionally, it was found that the AC "HOT" and AC "NEUTRAL" were switched at the input to the heater control box.


J. TRUHAN
Chief, Airway Facilities Division

Distribution: RAF-3, FAF-0 (Minimum)

Initiated By: AGL-466