

Federal Aviation Agency



DOT LIBRARY
EOB 10-A

AC NO : AC 150/5200-7

AIRPORTS

EFFECTIVE :

1/24/68

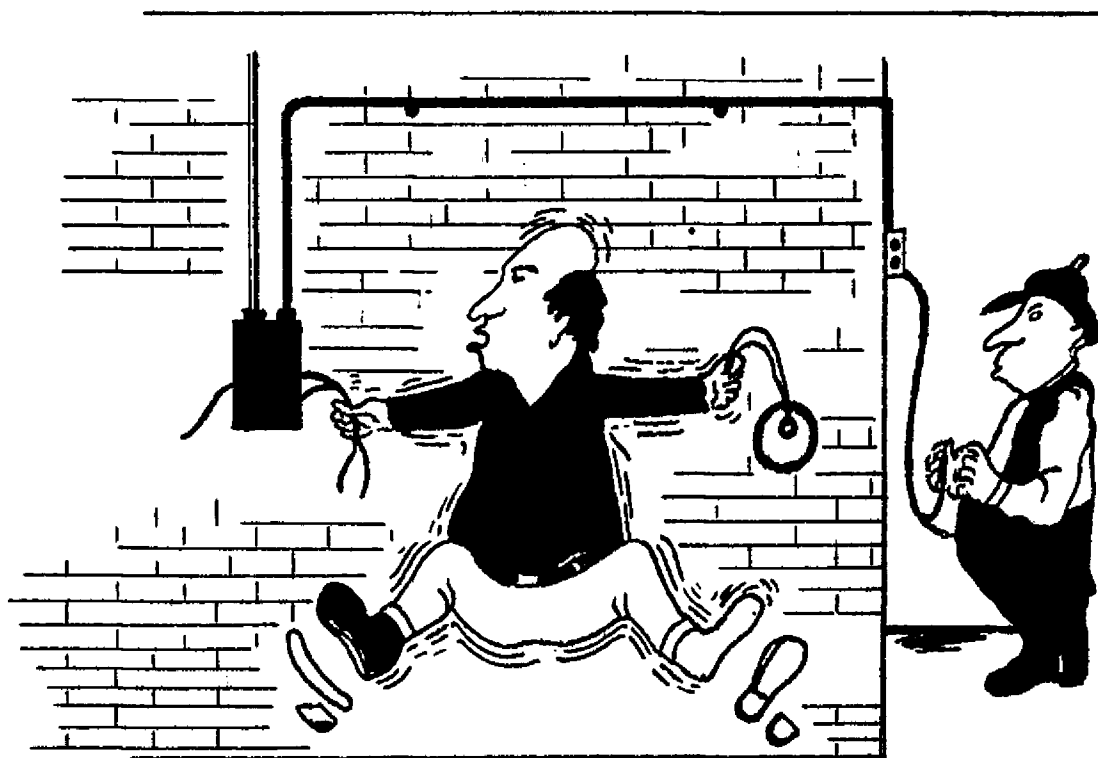
SUBJECT : SAFETY ON AIRPORTS DURING MAINTENANCE OF RUNWAY LIGHTING

1. **PURPOSE.** This advisory circular points out the possibility of an accident occurring to airport employees caused by electrocution and emphasizes that a need exists for following established procedures.
2. **BACKGROUND.** There have been cases where airport employees were working on runway lights at an airport and they did not advise the tower that work was being performed, nor did they deactivate the runway circuits. This practice could cause a serious accident to airport employees.
3. **ESTABLISHED SAFETY PROCEDURES AND GUIDELINES.** Airport owners and operators should make certain that the airport maintenance department personnel are aware of and follow established safety procedures and guidelines during maintenance of high-voltage electrical circuits. The established safety procedures and guidelines are as follows.
 - a. Prior to beginning any maintenance work on airport lighting visual aid circuits, coordinate the work schedule with the tower personnel.
 - b. Where maintenance work is to be accomplished on high-voltage circuits, assign at least two electricians, one having a thorough knowledge of the layout of all airport high-voltage circuits, as a team to accomplish the maintenance work.
 - c. Notify tower personnel, or other personnel having jurisdiction of energizing airport lighting, where the maintenance work is to be accomplished and the time it is started.
 - d. Place the three-position switch on the regulator in the "off" position.

- e. Disconnect the primary fuses using the hot disconnect stick.
 - f. Place the three-position primary oil switch in the "off" position.
 - g. Place a "danger" sign on the regulator to indicate that men are working on the circuit.
 - h. When the electrical maintenance work is complete, place the three-position primary oil switch in the "automatic" position.
 - i. Place the regulator three-position switch in the "automatic" position and remove the "danger" sign.
 - j. Close the primary power supply disconnect fuses by using the hot disconnect stick.
 - k. Notify the tower personnel, or other personnel having jurisdiction of energizing airport lighting, that all electrical maintenance work is complete, and have them energize and check all brightness setting controls from the remote control panel.
4. HOW TO OBTAIN THIS PUBLICATION. Additional copies of this advisory circular, AC 150/5200-7, Safety on Airports During Maintenance of Runway Lighting, may be obtained from the Department of Transportation, Distribution Unit, TAD-484.3, Washington, D.C. 20590.



Chester G. Bowers, Director
Airports Service



Do not touch wires or
equipment unless authorized

S A F E T Y

Is Part of YOUR Job