

# ORDER

DEPARTMENT OF TRANSPORTATION  
FEDERAL AVIATION ADMINISTRATION  
GREAT LAKES REGION

GL 6950.10

20 Feb 73

SUBJ: REMOVAL OF LIGHTNING ARRESTERS WHILE PERFORMING TESTS

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1. PURPOSE. This Order directs personnel to disconnect lightning arresters from cabling when the test voltage will exceed the permissible line-to-ground voltage of the lightning arrester.
2. DISTRIBUTION. This Order is distributed to the Airway Facilities Division, Branch level and above, and to all Airway Facilities field offices.
3. CANCELLATION. Order CE 6950.5 is cancelled.
4. BACKGROUND. When the permissible line-to-ground voltage of a lightning arrester is exceeded, it will conduct to ground and therefore indicate an erroneous insulation resistance reading for the cable. This has resulted in the unwarranted replacement to cables and arresters.
5. LIGHTNING ARRESTER DATA. Tabulated below are permissible line-to-ground voltages for lightning arresters commonly used by FAA. If the test voltage exceeds the permissible line-to-ground voltage shown, the arrester shall be disconnected.

<u>Manufacturer's Model No.</u>	<u>Circuit Voltage</u>	<u>Permissible Line-to Ground Volts</u>
G.E. 9L15CCB001	120/240	175
G.E. 9LA10C22	2400/4160	4500

*Alan H. Glass*

ALAN H. GLASS  
Chief, Airway Facilities Division

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Distribution: RAF-3; FAF-O (Normal)

Initiated By: AGL-445