



U.S. Department  
of Transportation  
Federal Aviation  
Administration

# Advisory Circular

Subject: AIRPORT LIGHTING EQUIPMENT  
CERTIFICATION PROGRAM

Date: 09/30/05  
Initiated by: AAS-100

AC No: 150/5345-53C  
Change:

1. **PURPOSE.** This advisory circular (AC) describes the Airport Lighting Equipment Certification Program (ALECP). It provides information on how an organization can get Federal Aviation Administration (FAA) acceptance as a third party certification body (third party certifier) and how manufacturers may get equipment qualified under the program. It includes a list of the equipments that are certified under the program. This AC does not impose requirements or mandate participation in the ALECP by any party. This revision to the AC is intended to clarify the criteria that FAA will use to determine whether a certification body qualifies for participation and how equipment may be qualified.

2. **CANCELLATION.** AC 150/5345-53B, *Airport Lighting Equipment Certification Program*, dated October 23, 1998, is cancelled.

3. **BACKGROUND.** Until December 31, 1989, the FAA administered the Airport Lighting Approval Program under the Federal airport grant programs. Under this program the FAA inspected equipment to confirm that it met FAA standards and to ensure quality control. The program was discontinued as of December 31, 1989, as a result of declining FAA resources. The listing of equipment in AC 150/5345-1, *Approved Lighting Equipment*, was no longer maintained.

On January 1, 1990, a new program was established which named a commercial testing laboratory under the oversight of an Industry Technical Advisory Committee (ITAC), as the program certification body. On May 15, 1995, the FAA, realizing that there were additional commercial laboratories that may want to participate as certification bodies instituted and established ALECP.

This program provided that any commercial laboratory meeting certain criteria may participate as a certification body and provided for FAA oversight and acceptance of certification bodies.

Under the ALECP, the FAA has established a list of accepted certification bodies. The certification bodies evaluate and certify airport lighting equipment and license suppliers to mark qualifying products. The FAA maintained a list of certified equipment as part of the AC Addendum. This list was provided to assist airport sponsors in discharging their duty to determine that equipment met the applicable FAA specifications, which is required for eligibility for funding under Federal grant assistance program for airports and to assist the general public in identifying equipment meeting FAA requirements specified in referenced Advisory Circulars.

This AC, as a continuing refinement of the ALECP, institutes and establishes a recertification requirement for the equipment under ALECP (Appendix 2) and a list of the type of equipment with their applicable ACs that are under this program (Appendix 3). The FAA maintains on the Internet lists of currently certified equipment, of manufacturers' addresses, and of third party certifiers that can be used.

**INTERNET ACCESS.** This AC, the latest certified equipment list, the address list of certified airport lighting equipment manufacturers, and list of third party certifiers are available on the Internet at [http://www.faa.gov/airports\\_airtraffic/airports/](http://www.faa.gov/airports_airtraffic/airports/). From the Airports page, select "Advisory Circulars," and continue to "AC 150/5345-53C Addendum."

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**APPENDIX 1. THIRD PARTY CERTIFICATION BODIES.**

**The following Third Party Certification Bodies (Third Party Certifiers) have met the requirements contained in ADVISORY CIRCULAR 150/5345-53C, AIRPORT LIGHTING EQUIPMENT CERTIFICATION PROGRAM, dated 09/30/05 and have been accepted as Third Party Certifiers under the Airport Lighting Equipment Certification Program.**

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