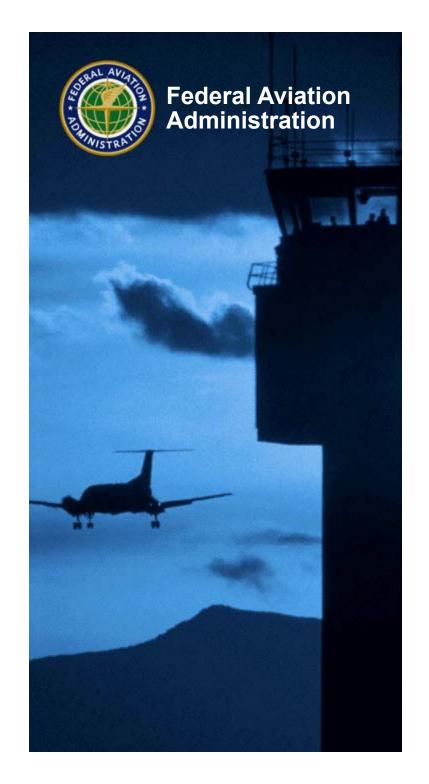
Office of Airport Safety and Standards Update

IESALC Spring Meeting May 8, 2018

Nayeem Hoq Robert Bassey Airport Engineering Division

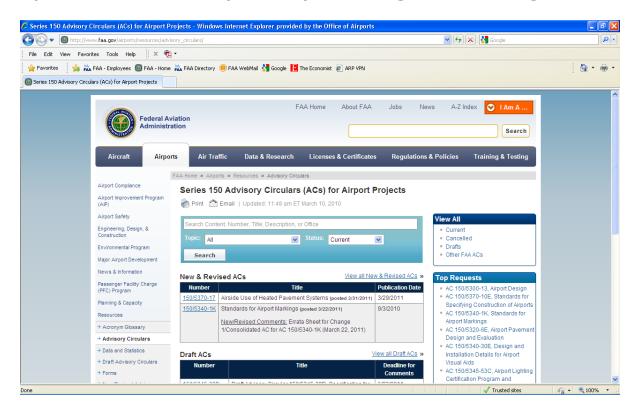


Agenda

- Overview
- Advisory Circular Updates

Standards and Guidance

Advisory Circulars (ACs) / Engineering Briefs (EBs)



http://www.faa.gov/airports/resources/advisory_circulars/



Draft Advisory Circulars

- AC 5340-18F Airport Sign Systems (Industry Review Completed)
- AC 5345-28G PAPI Systems (Industry Review Completed)
- AC 5340-1M Airport Markings (Signature pending)
- AC 5345-26E Plug and Receptacles (Industry Review Completed)
- AC 5345-27F Wind Cones (Industry Review)
- AC 5345-43H Obstruction Lighting Equipment (Industry Review)
- AC 5345-54C PCU (Industry Review)



Advisory Circular Updates



AC 150/5345-43J

 Incorporated Infrared Specifications for LED Obstruction Lights per Engineering Brief #98



Advisory Circular

Subject: Specification for Obstruction

Lighting Equipment

Date: Draft

Initiated By: AAS-100

AC No: 150/5345-43J

Change:

Infrared Specifications for red LED Obstruction Lights

IR Wavelength (nominal)	Applicability	IR Vertical Beam Width	IR Radiant Intensity
800-900 nm	L-810 (L)	≥ 10° ¹	Minimum: 4 mW/sr
	L-864 (L) and L-885 (L)	≥ 3°	Minimum: 246 mW/sr

AC 150/5345-26E

 Added reference to UL 2556 and procedure B1 for static strain under ASTM D-1149-16 for requirements for connector housing weathering test.



Changes to AC 150/5345-28H

Section 3.2.1 Photometric Requirements

"...12. If LED lamps are used the must have a minimum rated life of 50,000 hours."

Section 3.2.2 Light Unit Construction

"...The light unit must prevent dew or frost/ice from accumulating on its lens surfaces. This may be accomplished by thermostatically activated heating or intrinsic heat management ..."

Section 3.2.3.2 Adjusting Hardware

PAPI should be capable of modifying the horizontal light beam coverage of the PAPI for obstacle avoidance in the approach area and light signal obstructions. This can be accomplished using baffles, sometimes called blanking devices.

Questions?