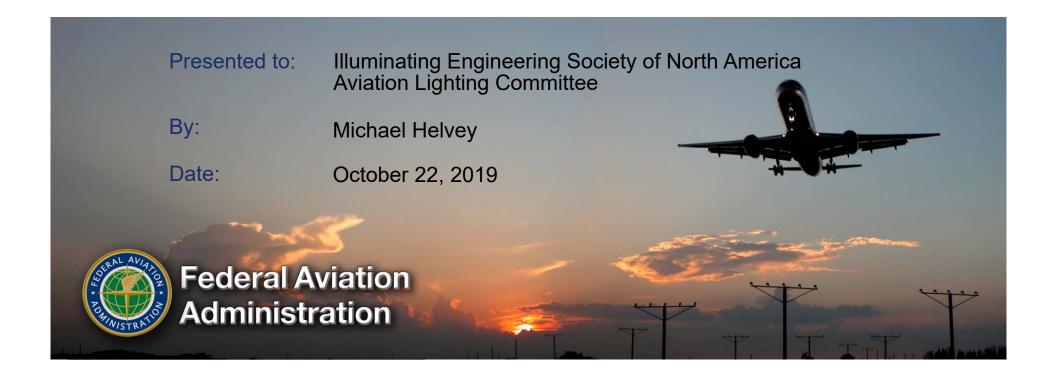
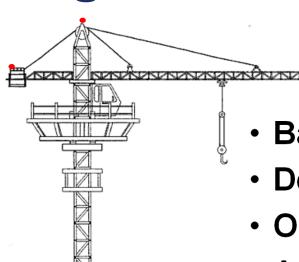
LED-Based Red Obstruction Lights



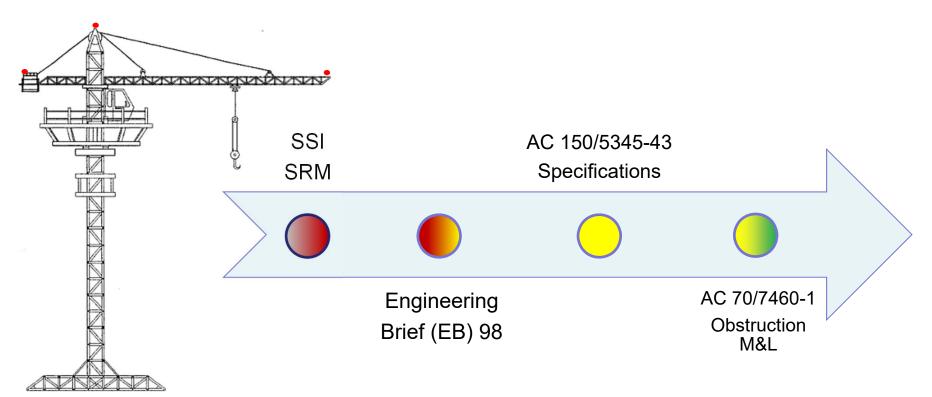
Agenda



- Background on LED Obstruction Lights
- Development of Standards
- Obstruction Marking and Lighting
- Additional Considerations

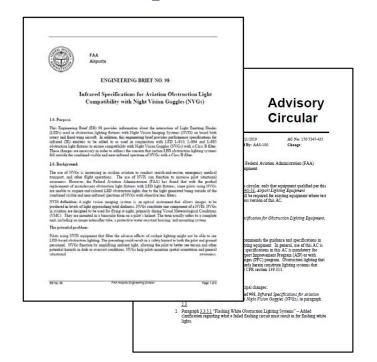


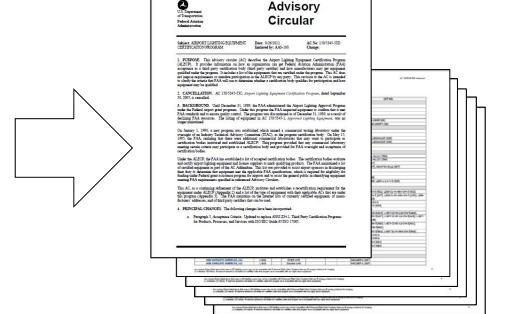
Background





Development of Standards







Obstruction Marking and Lighting



Advisory Circular

Subject: Obstaction Marking and Lighting

FE Dank 0 Initiate

- Purpose. This Advisory Circular (AC) exist forth stand obstructions that have been deemed to be a barried to a and date of the change material are located at the top of 70 (1401-11. in effective September 6, 2018.
- Principal Changes.
 Page 5-2. Addition of Paragraph 2. In response Building Disale (LEE) Lighting in Aircraft Oy results of a suffly risk austreament on the use o
- . Application.

Application.

The FAA recommends the guidelines and standards in proper way to light and mark obstructions affecting an act constitute a regulation and, in general, in or insurpreparing any type of construction or alternation of a National Adequate Option (1944) in required under the Facient Regulations to notify the FAA by completing Construction or Administration (1944) for 1944 in required under the Construction or Administration (1944) FOR 1949-1949 in standards you put of the FAA's determination and observables the Construction or neglined.

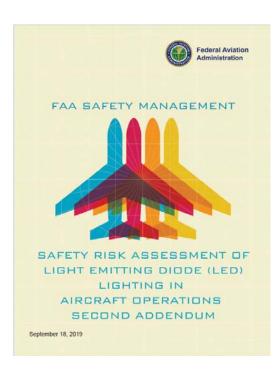
Comments or Suggestions.
Direct comments or suggestions requesting this AC to:
Manager, Obstanction Evaluation Group
Federal Avisation Administration
ATTR: ATV-15
800 Independence America, S.W.

Note: In response to a Safety Risk Assessment of LED Lighting in Aircraft Operations, the FAA has established IR specifications for LED-based red obstruction lights.

Specifications are contained in Airport Engineering Brief 98, *Infrared Specifications for Aviation Obstruction Light Compatibility with Night Vision Goggles (NVGs)*, published December 18, 2017, and AC 150/5345-43H, *Specification for Obstruction Lighting Equipment*, dated September 28, 2016.

AC 70/7460-1L Change 2

Additional Considerations



- 1. New structures
- 2. System replacement
- 3. Fixture replacement
- 4. Subcomponent replacement

For more information on FAA's OE Program

https://www.faa.gov/air_traffic/obstruction_evaluation/

