

ENGINEERING GUIDANCE 98-07

SUBJECT: Threshold Lights for Clearways

PURPOSE: Provide guidance for threshold lights located in a runway clearway.

CANCELLATION: This Engineering Guidance replaces Safety & Standards Guidance No. 24, dated July 9, 1990.

DISCUSSION: Advisory Circular (AC) 150/5300-13 contains the clearing requirements for clearway standards. The paragraph states: "Except for threshold lights no higher than 26" (66 cm) and located off the runway sides, no object or terrain may protrude through the clearway plane. The area over which the clearway lies need not be suitable for stopping aircraft in the event of an aborted takeoff." AC 150/5340-24, Appendix 2, Figure 3, shows two methods for locating threshold lights. Method 1 locates the lights outboard in which the area beyond the runway end is paved but abandoned and left in place. Method 2 locates the lights inboard in which the area beyond the runway end is abandoned and the pavement removed.

GUIDANCE: The requirements of the two AC's are not consistent for method 2 since AC 150/5300-13 implies that the threshold lights are required to be located outboard. A flush-mounted (in-pavement) light, located inboard, is acceptable for this case since the light will not penetrate the clearway plane. The fixture which would be used for this is type L-850-D specified in AC 150/5345-46.

REFERENCES: AC 150/5300-13, paragraph 308.c; AC 150/5340-24; and AC 150/5345-46.

APPROVAL: _____ signed
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