



# Federal Aviation Administration


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## Memorandum

Date: April 24, 2007

To: Manager, National Flight Procedures Office, AVN-100

From: <sup>Active</sup> Manager, Flight Procedure Standards Branch, AFS-420 

Prepared by: Jack Corman, Flight Procedure Standards Branch, AFS-420

Subject: Category-I Instrument Landing System (ILS) End Fire Glide Slope (EFGS) Antenna Obstacle Evaluation

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### PURPOSE

This memorandum notifies interested parties of the acceptability of the EFGS antenna from a Flight Standards obstacle clearance perspective.

### DISCUSSION

Notice 8260.61, *Precision Approach Obstacle Assessment and Category II/III Requirements*, paragraph 2.2.1, provides guidance on acceptable location of glide slope antenna masts. For purposes of obstacle clearance evaluation, the term "antenna mast" is inclusive of the simpler term "antenna." Therefore, according to the notice, Category-II/III glide slope antennas may not be located closer to runway centerline than 250 feet and are height restricted according to distance from runway centerline. Category-I glide slope antennas must be located outside the runway obstacle free zone (OFZ). These criteria do not apply to EFGS antennas. EFGS antennas are installed within the runway OFZ.

### POLICY

Where an EFGS antenna is located compliant with the siting specifications in Order 6750.16D, *Siting Criteria for Instrument Landing Systems*, it is exempt from the Clear Areas and Obstacle Free Zone requirements of Order 8260.3B, *United States Standard for Terminal Instrument Procedures (TERPS)*, Order 8260.54, *United States Standard for Area Navigation (RNAV)*, and Notice 8260.61, paragraph 2.2.1 requirements, and may be ignored during obstacle evaluation.

If you have any questions, please contact Jack Corman at (405) 954-4164.