



Federal Aviation Administration

Memorandum

Date: AUG 28 2008

To: Danny E. Hamilton, Manager, National Flight Procedures Office, AJW-32
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AFS-400 *John W. McGraw*

Subject: Localizer Directional Aid (LDA) with Glide Slope Procedure Construction Criteria

PURPOSE

This memorandum provides updated policy guidance for the design of LDA instrument procedures with an associated glide slope. The April 4, 1997, Flight Standards Service (AFS-1) memorandum, same subject, is cancelled.

BACKGROUND

Previous AFS-1 memorandum, same subject, contained guidance and references to orders, paragraphs, and figures that have since been cancelled and/or replaced by more current directives and criteria. The policy guidance in this memorandum updates those references and deletes items that have since been incorporated into current directives.

POLICY

- 1.0 **CONSTRUCTION.** Utilize Federal Aviation Administration (FAA) Order 8260.3B, United States Standard for Terminal Instrument Procedures (TERPS) and Order 8260.19D, Flight Procedures and Airspace, to develop LDA procedures with glide slopes. The following exceptions/additional requirements apply:
 - 1.1 Construct feeder routes, initial and intermediate segments using TERPS, volume 3, paragraph 2.3.
 - 1.2 Construct the final and missed approach segments as a precision approach using TERPS volume 3, chapter 3, with the following exceptions:
 - 1.2.1 The maximum allowable final approach course deviation from runway centerline is 15°.

- 1.2.2 Establish landing minimums using TERPS, volume 1, chapter 3. The minimum height above touchdown/height above threshold value is 250 feet.
- 1.2.3 The final approach course must cross the extended runway centerline at least 3,000 feet from threshold, but no more than 5,200 feet from threshold.
- 2.0 **DOCUMENTATION.** Comply with Order 8260.19D, chapter 8, documentation requirements for LDA with glide slope.

This policy shall remain in effect until the criteria is incorporated into Orders 8260.3B and 8260.19, or as otherwise directed by the Flight Technologies and Procedures Division, AFS-400. If you have any questions, please contact Mr. Thomas J. Nichols, Flight Procedure Standards Branch, AFS-420, at (405) 954-1171.