

GOVERNMENT/INDUSTRY AERONAUTICAL CHARTING FORUM
Instrument Procedures Group
(Transcribed/Re-Formatted)
HISTORY RECORD

FAA Control # 97-02-190

SUBJECT: Precision ILS Missed Approach Obstacle Surface (and future Precision GPS MA Surface)

BACKGROUND/DISCUSSION: During data collection flight tests for proposed Microwave Landing System criteria development, newer jet transport aircraft did not perform as well as anticipated in parts of the missed approach phase of the tests. Vertical aircraft tracks indicated flight paths close to simulated precision ILS 40:1 (TERPS) missed approach obstacle surfaces, with one aircraft type actually penetrating the surface.

Although GPS has replaced MSLS in planning future flight operations, the performance of newer jet transports is as suggested in the MLS studies. Increased numbers of flights mean more exposure to non-standard operations such as missed approaches so the lack of incident or accident experience may be reversed in the future. Ironically, fewer accidents can make predicting them much more difficult.

RECOMMENDATION: Recommend criteria in FAA Order 8260.38 (GPS), 8260.19 (Flight Procedures and Airspace) and appropriate other publications be reviewed for appropriate missed approach criteria in light of the research and data collected during the MLS criteria development.

COMMENT: This recommendation could affect FAA Order 8260.38 and 8260.19.

Submitted by: Charles K. Guy
Aviation and Procedures
Oct 3, 1997

INITIAL DISCUSSION (MEETING 97-02): **Status:** Withdrawn