

INM News

The Integrated Noise Model

A publication of HARRIS MILLER MILLER & HANSON INC. for users of the Integrated Noise Model.
September 2001

FAA Releases INM Version 6.0c

The FAA plans to release INM 6.0c on September 20, 2001. The upgrade is available on the FAA web site at: www.aee.faa.gov. It is a free upgrade for users of INM 6.0, 6.0a, and 6.0b. The Version 6 User Guide and Version 5 Technical Manual will still be the current versions; a Version 6 Technical Manual will be distributed to all users upon completion.

Version 6.0c contains eight new aircraft, including:

- I Two new aircraft from Airbus: A319-121 and A320-232. Aeropsatiale is developing an additional four to five new aircraft, which will appear in the next release (INM 6.0d).
- I Three new Boeing aircraft: the 717-200, 777-300, and 767-400.
- I The Cessna Citation X.
- I The Gulfstream GII and GV.

Version 6.0c also contains modifications to the following existing aircraft types:

- I Boeing 737-700
- I Gulfstream GIIB and GIV (new Gulfstream "Quiet Flying" procedures).

Users should be advised that predicted noise levels for all Gulfstream aircraft will be *significantly quieter* with these data. Changes to the previous Gulfstream data include: new noise curves, reductions in the takeoff weights on the order of 8,000 to 10,000 lb, reduction in the cutback altitudes from 1,500 ft AGL to 400 ft AGL, and reductions in the climb thrust to the minimum thrust allowed in Federal Aviation Regulations. While the exact noise impact will vary, our analysis shows a peak reduction in modeled noise of as much as 9 dB (SEL).

New features include instructions for combining output from the Helicopter Noise Model (HNM) with INM

output, and a program for extracting new 2000 U.S. Census data. A number of bugs also have been fixed. A complete description of all database changes, modifications, and bug fixes are contained in the Version 6.0c release notes, also on the FAA's web site.

HMMH INM User Bulletin Board

HMMH is establishing an INM User Bulletin Board in response to requests from a number of our course attendees and users. The bulletin board is located on the HMMH web site at: www.hmmh.com/inm.html. Users will be able to post questions and view responses from other users. Bob Mentzer and David Senzig, INM instructors, will moderate the forum.

INM Training Course Schedule

Our current training schedule is as follows:

25-27 September 2001, Canberra, Australia (filled)

26-28 November 2001, Paris, France

20-22 February 2002, San Diego, California

17-19 April 2002, Burlington, Massachusetts

For more information, please see our web site:

www.hmmh.com/inm.html.

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