How Noise Contours are Generated

User Inputs

Inputs

- Airport Information
- Aircraft Flight Tracks
- Aircraft Fleet
- Number of Operations
- Runway Utilization
- Time of Day
- Aircraft Climb Profiles
- Departure Trip Length
- Meteorological Data
- Topographic Data

Source

- Airport Layout Plan
- FAA Radar Data
- Tower, Airport Records, Official Airlines Guide (OAG)
- Tower, Airport Records, OAG
- Radar/Wind Data, Airport Records
- Radar Data, OAG, Airport Records
- ► INM, Radar Data, Airline Records
- **OAG**
- Climatic Data, Airport Records
- Airport Layout Plan, U.S. Geological Survey

Integrated Noise Model (INM)

INM-Provided Information

- Aircraft Noise Levels
- Aircraft Performance Data



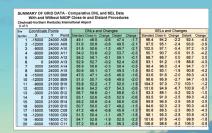
Types of Aircraft Noise Considered within INM

- Arrival
- Departure
- Flvover
- Reverse Thrust (Braking)
- Run-up Noise

Output



Noise Contours



Tabular Reports



Grid Point Analysis



Note:

OAG: Official Airlines Guide