

Annoyance Abatement Policy Options

ACAT/Board Workshop Objective

- What are the goals and how do we know when we've met them?
- Issue(s) need to be clearly defined before exploring possible solutions.
- Solutions will involve trade-offs.

Background

- Motivated by complaints from Rwy 28 jet departures
- ACAT and staff discussions regarding possibilities for Rwy 28 RNAV departure
- Board asked ACAT to “be creative”
- Broader discussion than just “RNAV Departure”

Challenges

- Communities surround the airport
- Unfavorable topography
 - High terrain E, S and W
 - Surface water near existing runways
 - Quarry N
- Summer sailplane activity
- No local traffic control (control tower)

Policy Options

	Pro	Con	Example
Disperse operations	Limits impact on any one neighborhood	May create or increase impacts where none existed before	Encourage Rwy1-19 departures when conditions permit
Concentrate operations	Potentially reduces number of affected residents	Increases impact on neighborhoods under flight track	RNAV departure or temporary control tower
Increase aircraft/ground separation	Diminishes measured ground noise	Requires moving runway(s) – potentially expensive	Move Rwy 28 threshold
Voluntary departure window(s)	Concentrates operations into predictable time windows	Unenforceable	One hour departure windows at 8, noon 4 PM, 8 PM
Prohibit jet operations	Eliminates major source of complaints	Unenforceable and contradicts grant assurances	n/a

General Observations

- Dispersion is cheap, simple and doesn't convey the appearance of shifting the burden
- Concentration is likely to have little impact on noise footprint
 - Modeling results
 - Moves annoyance from one neighborhood to another
 - Minimum climb rate dictated by terrain, not noise
- Increasing air/ground separation will be expensive and could create a perception that the airport wants to expand
- Voluntary departure windows and other limitations on jet operations are unlikely to be acceptable to users or the FAA

Questions for the Board

- What issue(s) are we trying to address?
- What is the definition of an affected individual?
 - Full-time resident
 - District taxpayer
 - Renter
- Is shifting noise and annoyance an acceptable solution?
- Is it better to disperse noise or concentrate it?
- How much money is the board willing to spend?
 - \$100k
 - \$1 million
 - \$10 million