

Mitigation Techniques for Airport Ground Noise Operations

- According to Part 150
 - Changes in airport layout
 - Isolate run-ups
 - Install barriers/shielding
 - Restrict operations¹
 - Land use controls

¹Part 161 has essentially negated an airport's ability to "restrict operations"



Mitigation Techniques for Airport Ground Noise Operations

- Based on major ground noise sources at SEA:
 - Engine run-ups
 - Relocation
 - Barriers
 - Operational (e.g., time of day)
 - Start-of-takeoff roll
 - Barriers
 - Operational (e.g., intersection departures)
 - Reverse thrust upon arrival
 - Operational (e.g., time of day and need)
 - Taxi
 - Operational (e.g., one engine taxi)
 - Queue
 - Operational (e.g., sequencing)
 - Auxiliary Power Unit (APU) use
 - Operational (e.g., switch to ground power)



Next Steps

- Analyze and recommend mitigation options at SEA
 - Present recommendations at the April 11, 2022 meeting
- Provide report documenting results of ground noise study
 - First draft expected in May 2022