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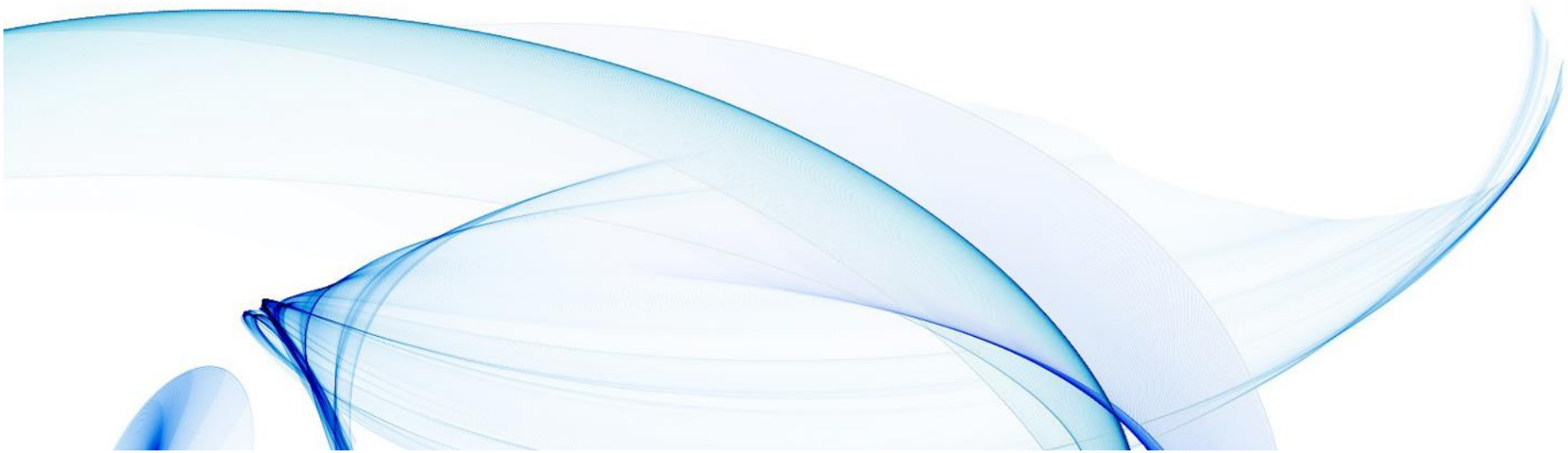
Welcome



Objectives

1. Explore options to reduce adverse noise impact on *all* communities surrounding O'Hare

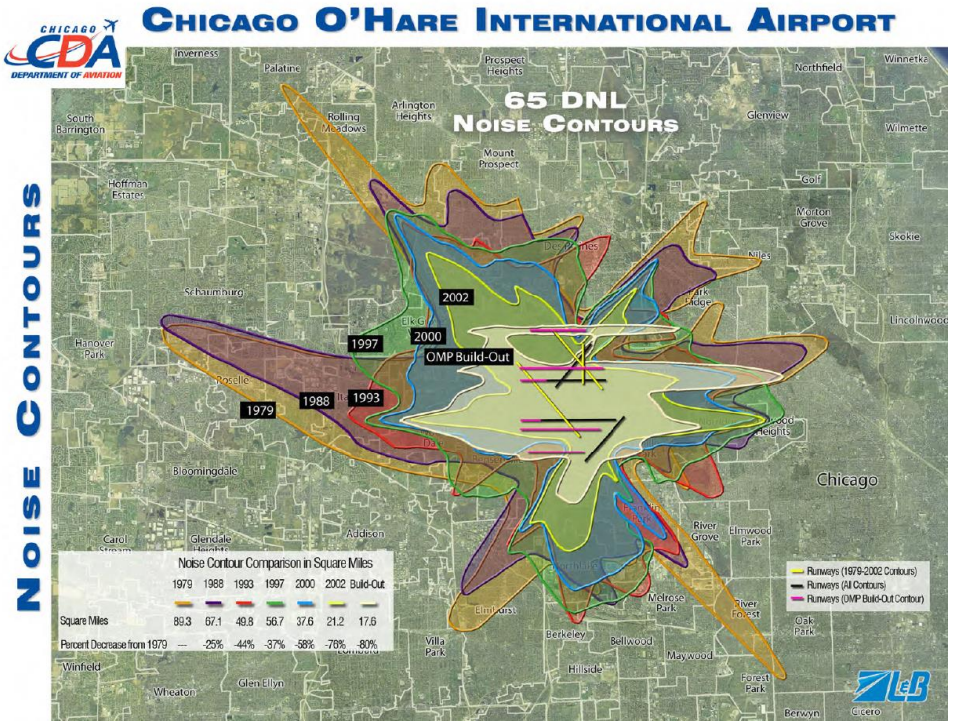
2. Provide community leaders with technical data to support remedial changes that can make a difference

3. Transparent cooperative effort

4. Public involvement – interactive JDA Project website

5. Identify better way to measure adverse noise impact

What We Will Study



1. Examine the technical basis of aircraft regulation - including examination of the 65 DNL Metric and Noise Contour
2. Accuracy and Independent Verification of INM Modeling
3. Operational Analysis and Suggestions

WORLD CLASS SOC TEAM:

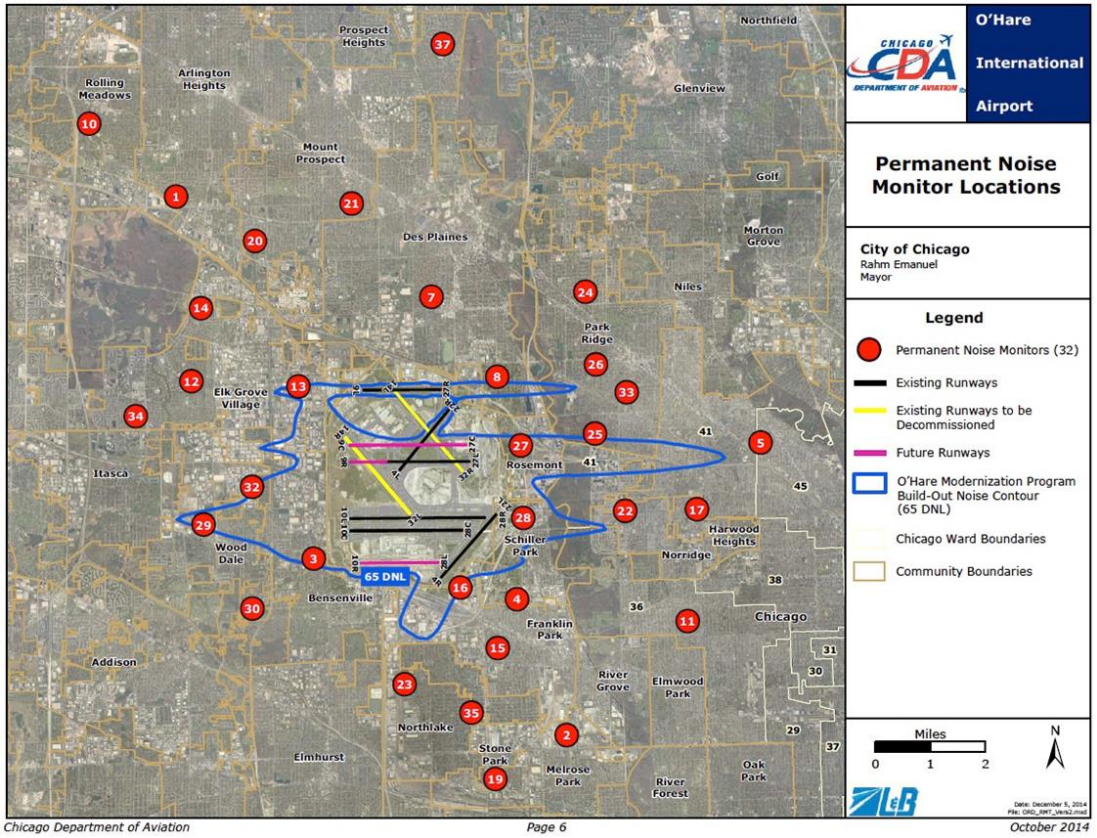
1. Dr. Sanford Fidell
2. Dr. Antonio Trani
3. Dr. David Dubbink
4. Craig Burzych
5. Rob Voss
6. Cynthia Schultz

Goals of the Noise Impact Study

1. Clarify the technical underpinnings of regulation of adverse aircraft noise impact in the U.S.
2. Describe methods and premises of predicting community response to aircraft noise
3. Explain inconsistencies and deficiencies in current regulatory approach
4. Suggest avenues for improving relevance of noise regulatory policy

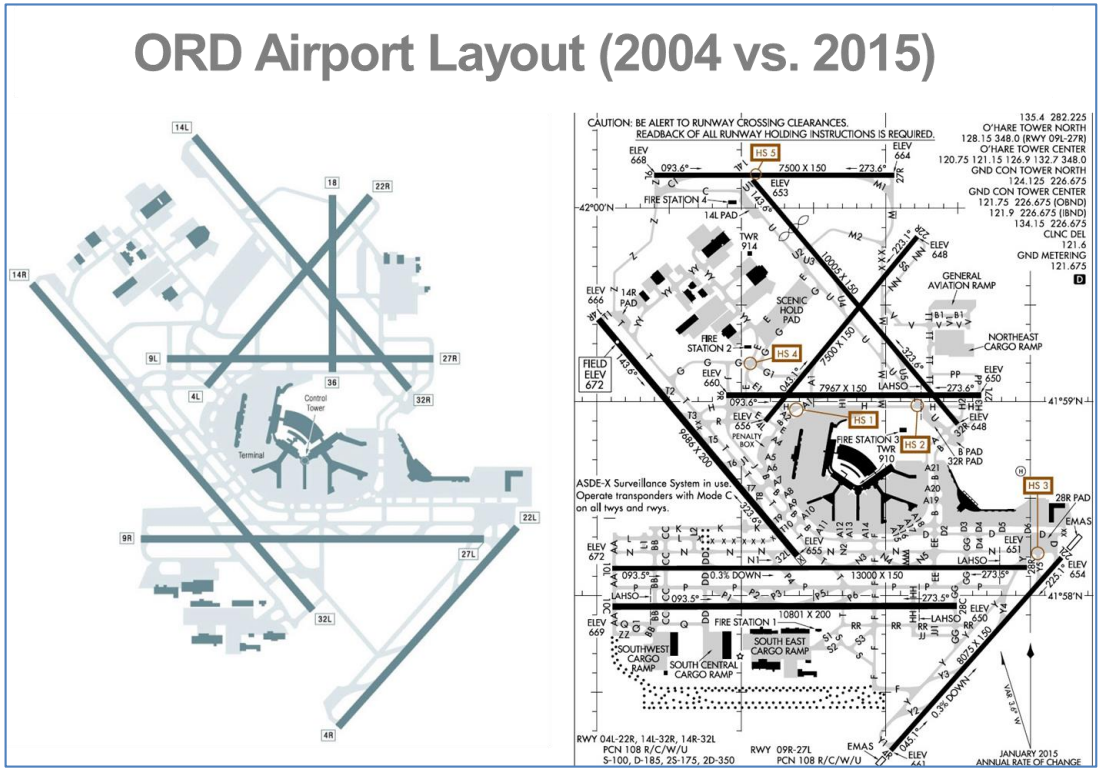
Goals of the INM Modeling Accuracy and Verification Study

1. Document differences between modeled contours and actual noise experiences



Goals of the INM Modeling Accuracy and Verification Study

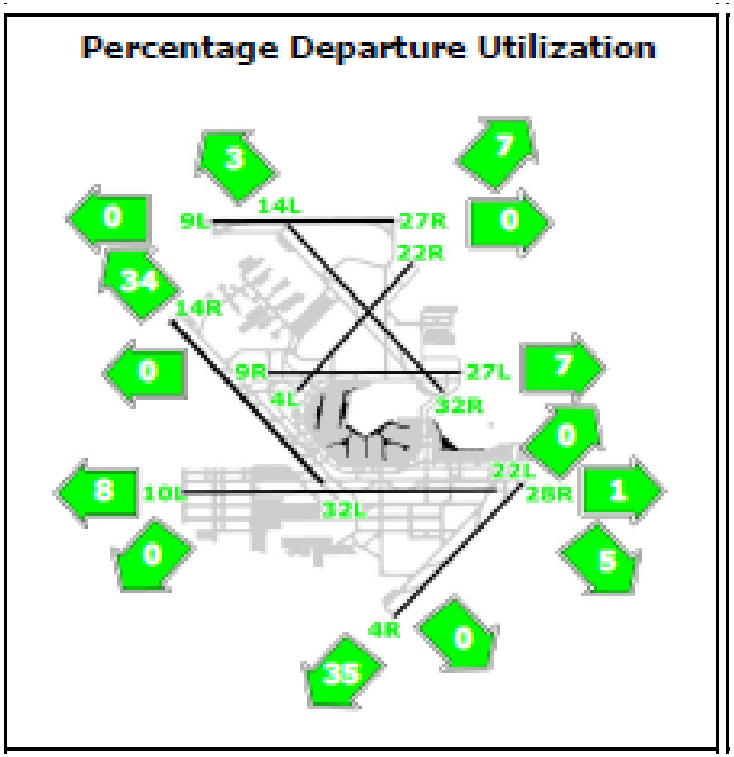
2. Identify specific model inputs that should be verified to ensure accuracy with current operations



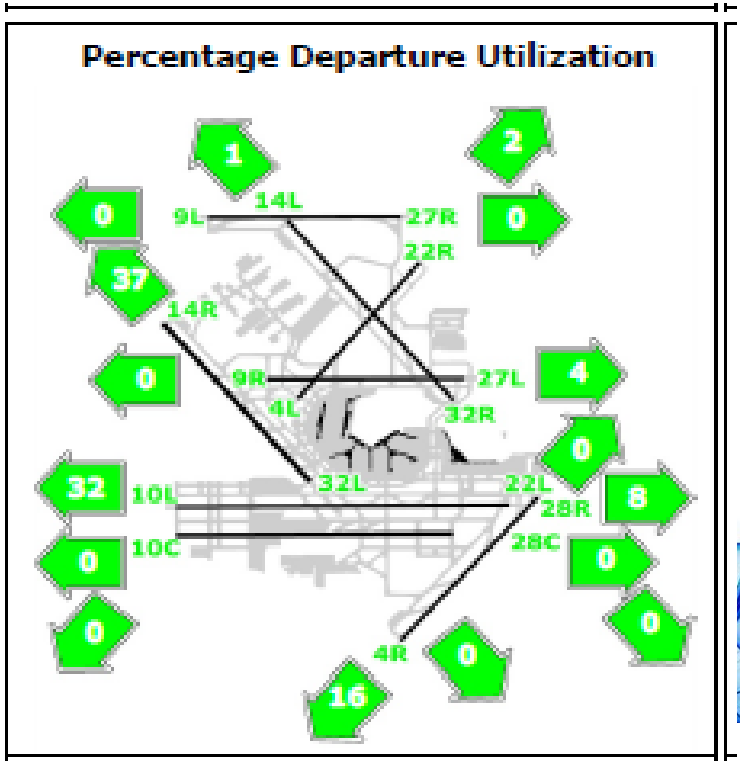
Goals of the INM Modeling Accuracy and Verification Study

3. Utilize model to evaluate impact of promising procedural/operational alternatives identified through this study

Pre Oct 2013



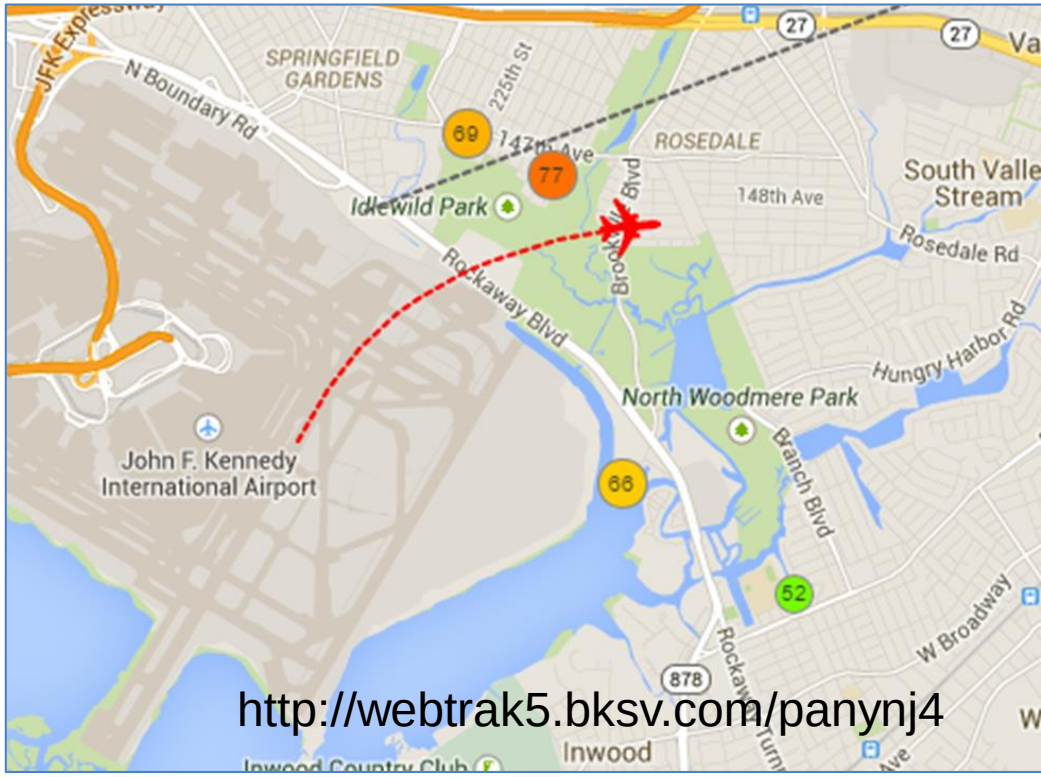
Post Oct 2013



Goals of the INM Modeling Accuracy and Verification Study

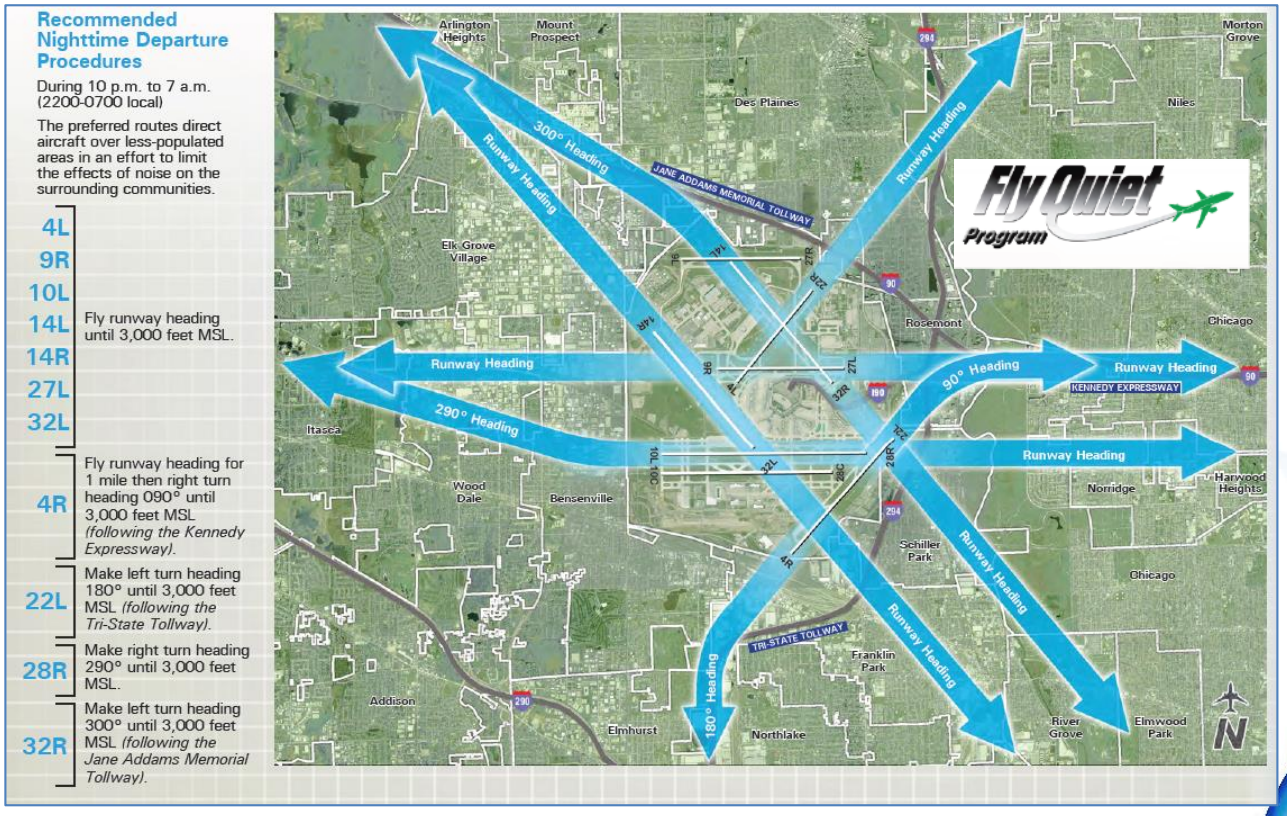
4. Provide current best practices and tools available to provide noise exposure information to the communities surrounding ORD in near real time

USA
- Bob Hope Airport
- Boca Raton Airport
- Centennial Airport
- Craig Municipal Airport
- Denver International Airport
- Long Beach International Airport
- Los Angeles International Airport
- McClellan-Palomar Airport
- Oakland International Airport
- Ontario International Airport
- PANYNJ
- Port Columbus International Airport
- Portland International Airport
- Reno-Tahoe International Airport
- Sacramento International Airport
- San Diego International Airport
- San Jose International Airport
- Seattle-Tacoma Airport
- Southwest Florida International Airport
- Torrance Municipal Airport - Zamperini Field
- Van Nuys Airport
- Washington Dulles International Airport



Goals of the Airport Operational Changes Study

1. Investigate potential operational changes to aircraft operations to reduce noise



Partial List of Factors to Examine

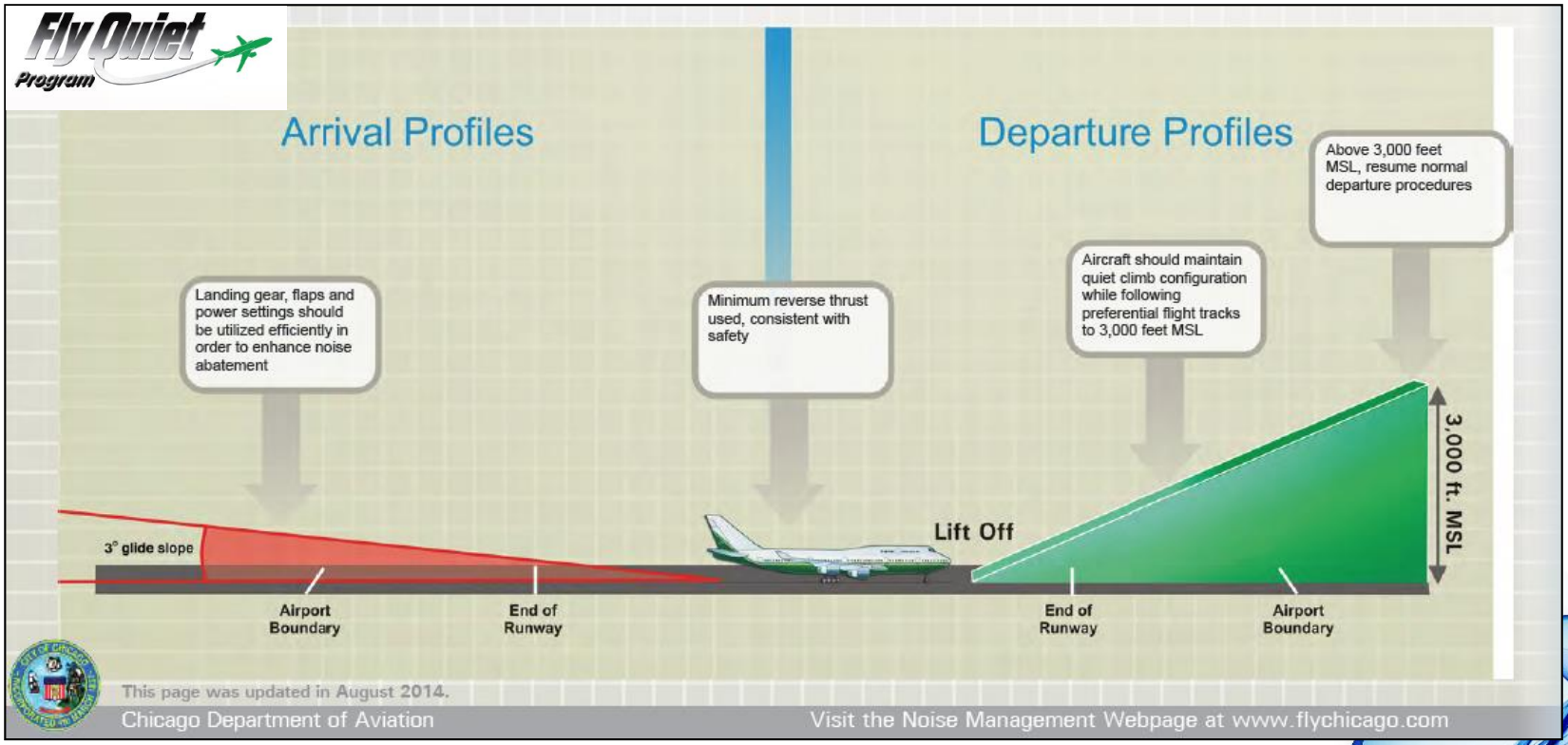
- Aircraft flight operations
- Controller vectoring techniques
- Runway configuration, preferential use
- Initial airborne departure headings
- Departure pattern by aircraft and operation

Partial List of Factors to Examine

- Procedures based on aircraft equipment
- Options during periods of light traffic
- Wind and weather effects
- Use of visual approach clearances
- Unusual procedures

Goals of the Airport Operational Changes Study

2. Examine ORD's "Fly Quiet" program and adherence to it's requirements

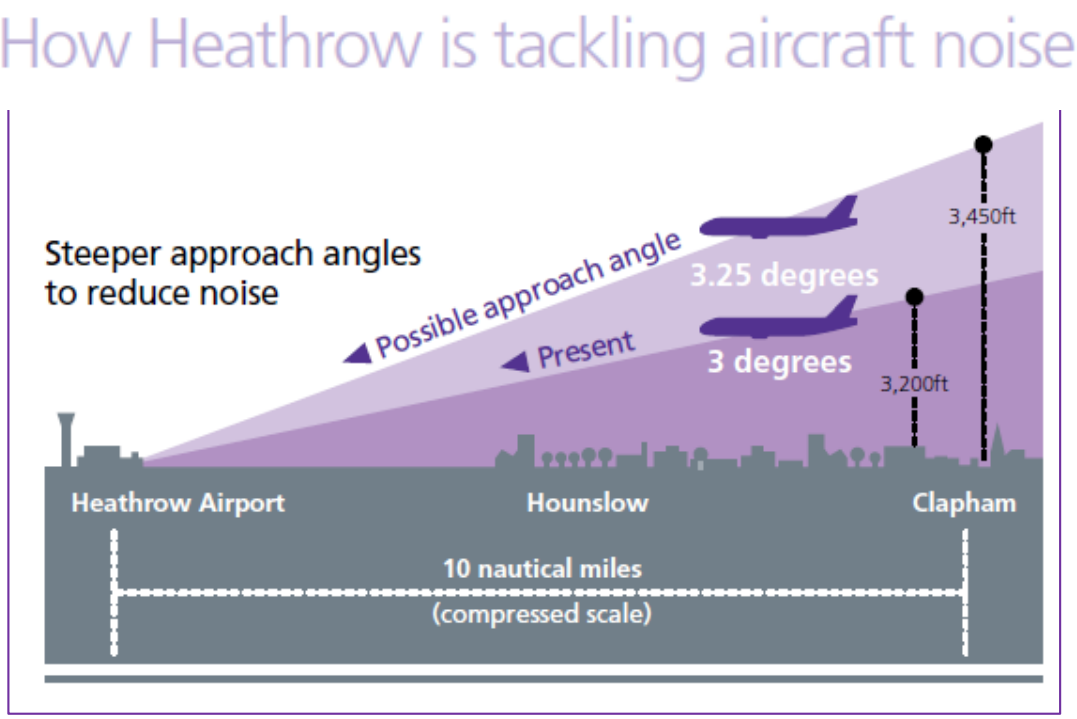


Goals of the Airport Operational Changes Study

3. Explore and identify the optimum procedural/operational alternatives to minimize noise without impacting safety or capacity

Goals of the Airport Operational Changes Study

4. Examine operational procedures at other airports to minimize noise including enforcement mechanisms



The Bottom Line

- RECOMMENDATIONS FROM TOP EXPERTS IN THE FIELD - BACKED UP BY TECHNICAL SCIENTIFIC DATA - THAT CAN MAKE A DIFFERENCE REDUCING THE NOISE IMPACT YOU ARE CURRENTLY EXPERIENCING

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Questions?