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Welcome

Citizen Advisory Committee Meeting #1

March 22, 2018

Agenda

- Introductions
- Citizen Advisory Committee (CAC)
- Study Overview:
  - Part 150 Study Update
  - Flight Procedure Evaluation
- Anticipated Meeting Schedule
- Identification of 2 CAC Members for Technical Advisory Committee (TAC)
- Questions
- Next Meeting

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Introductions

San Diego County Regional Airport Authority (Airport Authority)

- Owns and operates the airport
- Main Contact: Ms. Sjohnna Knack, Program Manager

14 CFR Part 150 Consultant Team – In Procurement Process

- Part 150 focus:
  - Areas exposed to CNEL levels at or higher than 65 dBA
  - FAA will only fund abatement/mitigation at or higher than CNEL 65 dBA
- Several flight procedure recommendations to reduce noise outside CNEL 65 dBA
- SDCRAA to conduct flight procedure evaluation outside the 150 Study process

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Introductions (continued)

Flight Procedure Analysis Consultant Team

- Project Lead: Mr. Stephen Smith
- Ricondo & Associates, Inc.
- Mead & Hunt

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Citizen Advisory Committee
• Formation
• Role
• Responsibilities
• Conduct and Logistics
5

Citizen Advisory Committee (CAC)

- Formation of Citizen Advisory Committee (CAC)
  - Purpose: Advise on the Part 150 Noise Compatibility Study
  - Interested residents applied for participation
- High level of interest: 40+ applications for 15 CAC seats
- Applicants selected to allow for fair representation of communities

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CAC's Advisory Role - Flight Procedure Evaluation

- Provide input to the Technical Advisory Committee (TAC).
  - ANAC recommendations
  - New noise considerations
- Provide two members to serve on TAC to represent CAC input.
- Represent your community.

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CAC Member Responsibilities

- Attend every meeting.
- Come to meeting with an open mind.
- Represent your community in a professional and respectful manner.
- Respect other committee members views and opinions.
- Ask questions as a means to reach a better understanding on a topic.
- Provide meaningful input.

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CAC Meeting Conduct and Logistics

- Operated on a consensus basis.
- Conducted in a professional and respectful manner.
- Facilitated by an experienced meeting facilitator.
  - Stay on agenda
  - Be sensitive to meeting time
  - Let every committee member share their thoughts
- CAC meetings will be open to the public to observe.
- Statements to the press can only represent the individual not the committee.

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Flight Procedure Evaluation

- Purpose
- ANAC Sub-Committee Recommendations
- Process
- Important Factors

Flight Procedure Evaluation

- The Airport Noise Advisory Committee (ANAC), through the Subcommittee, proposed multiple flight procedure recommendations to reduce aircraft noise.
- In Dec 2017, Airport Authority Board accepted the Action Plan to assess ANAC recommendations.
- Flight Procedure Evaluation Purpose:
  - Evaluate flight procedures affecting areas outside 65 CNEL.
  - Gather community input on these procedures.

FAA has ultimate control over implementing flight procedure changes

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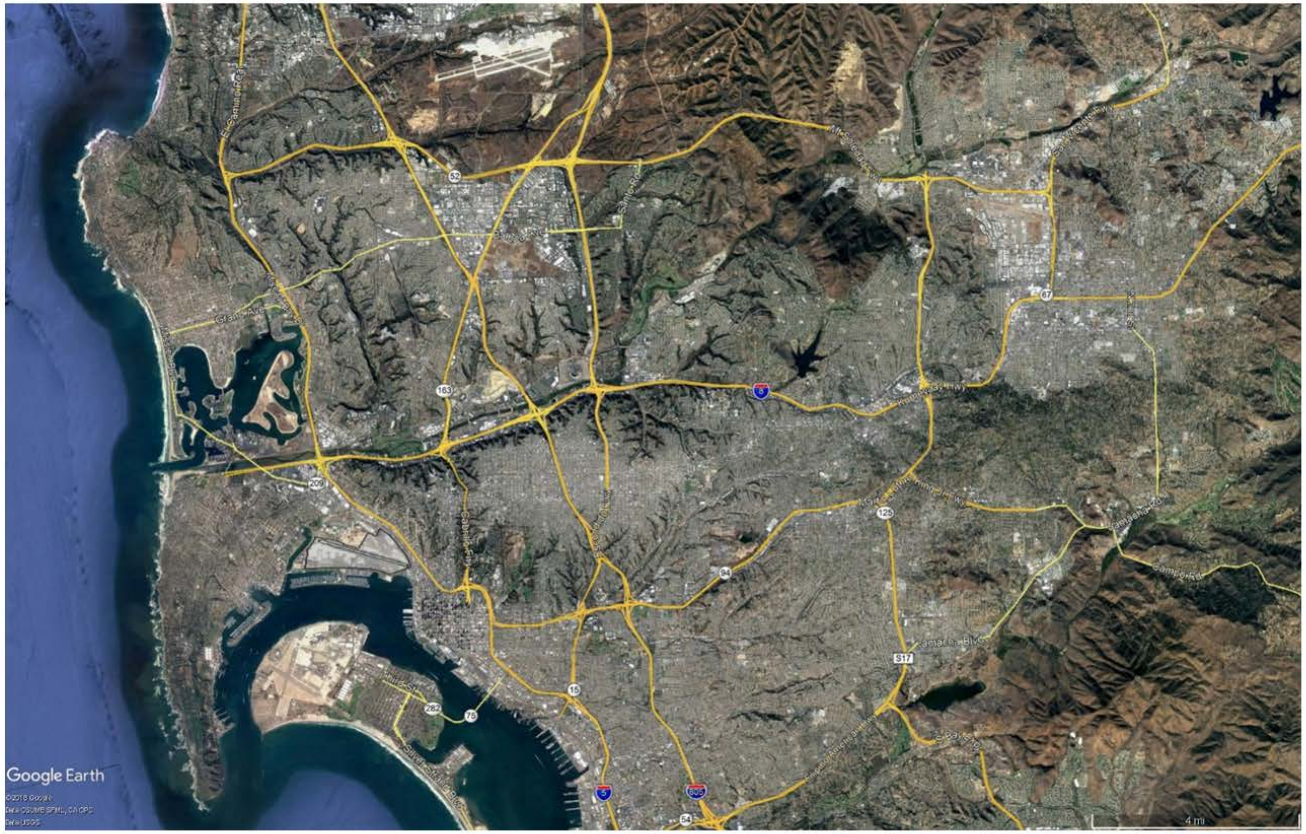
ANAC Recommendations - Flight Procedures



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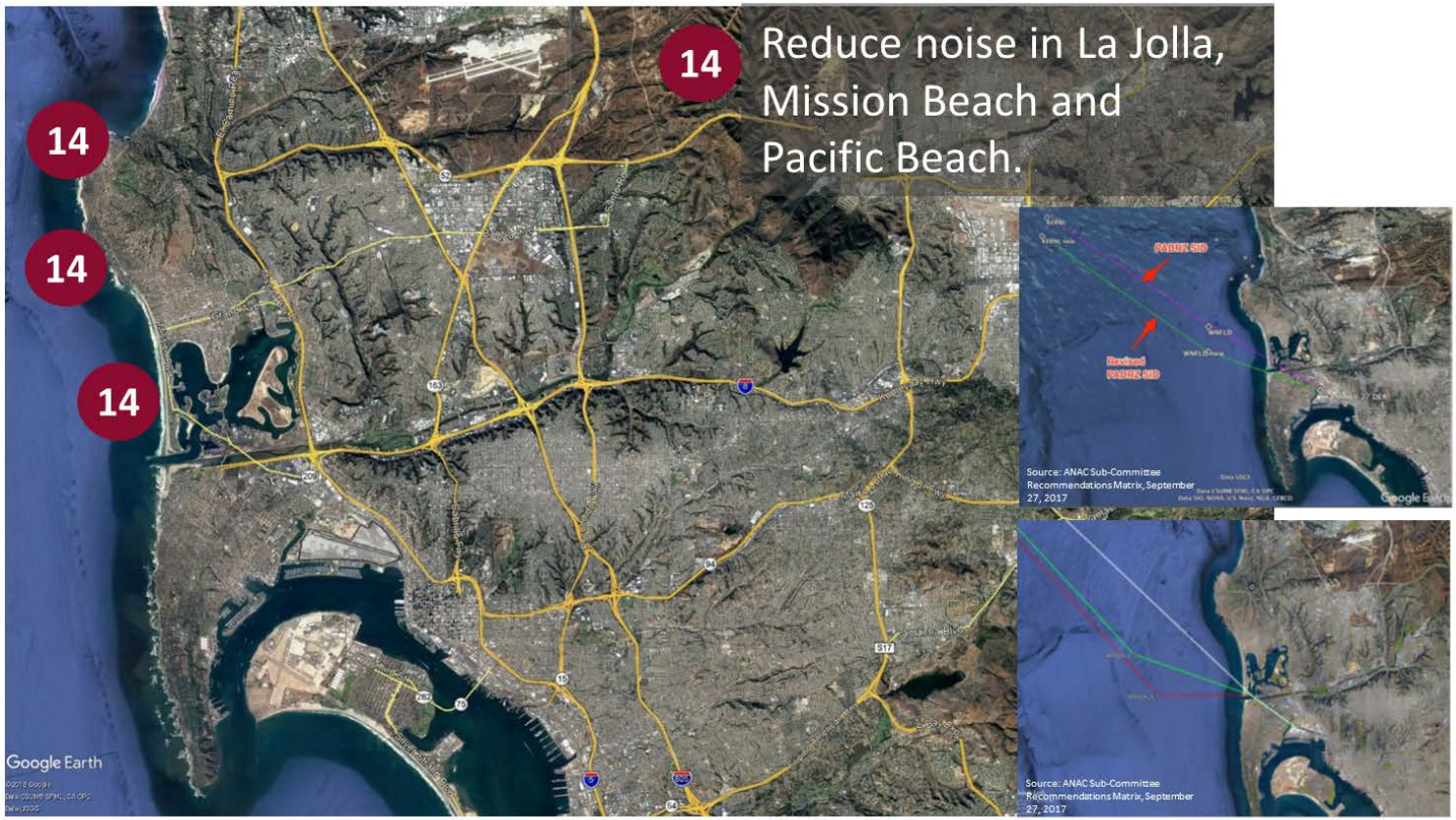
ANAC Recommendations - Flight Procedures



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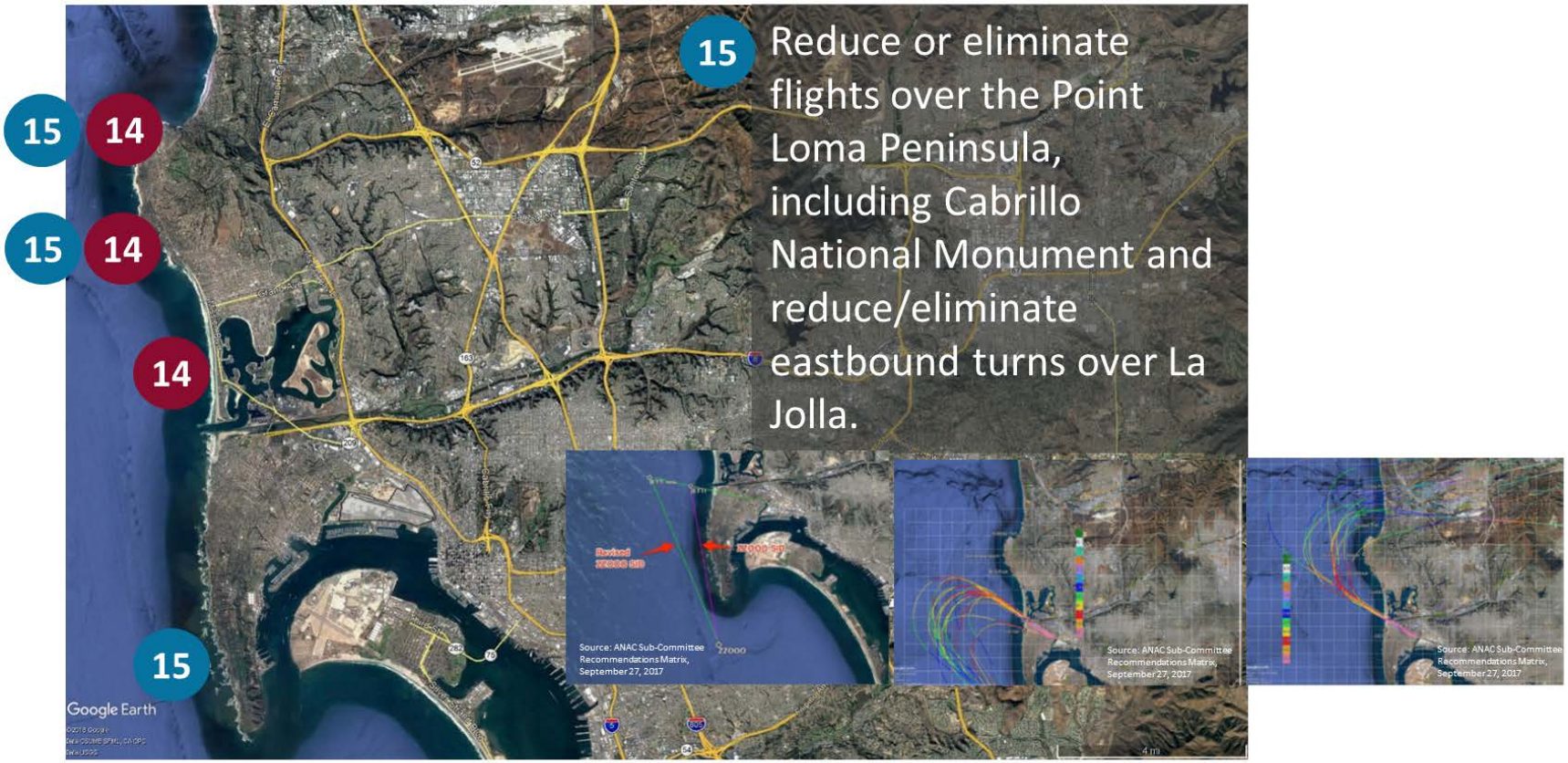
ANAC Recommendations - Flight Procedures



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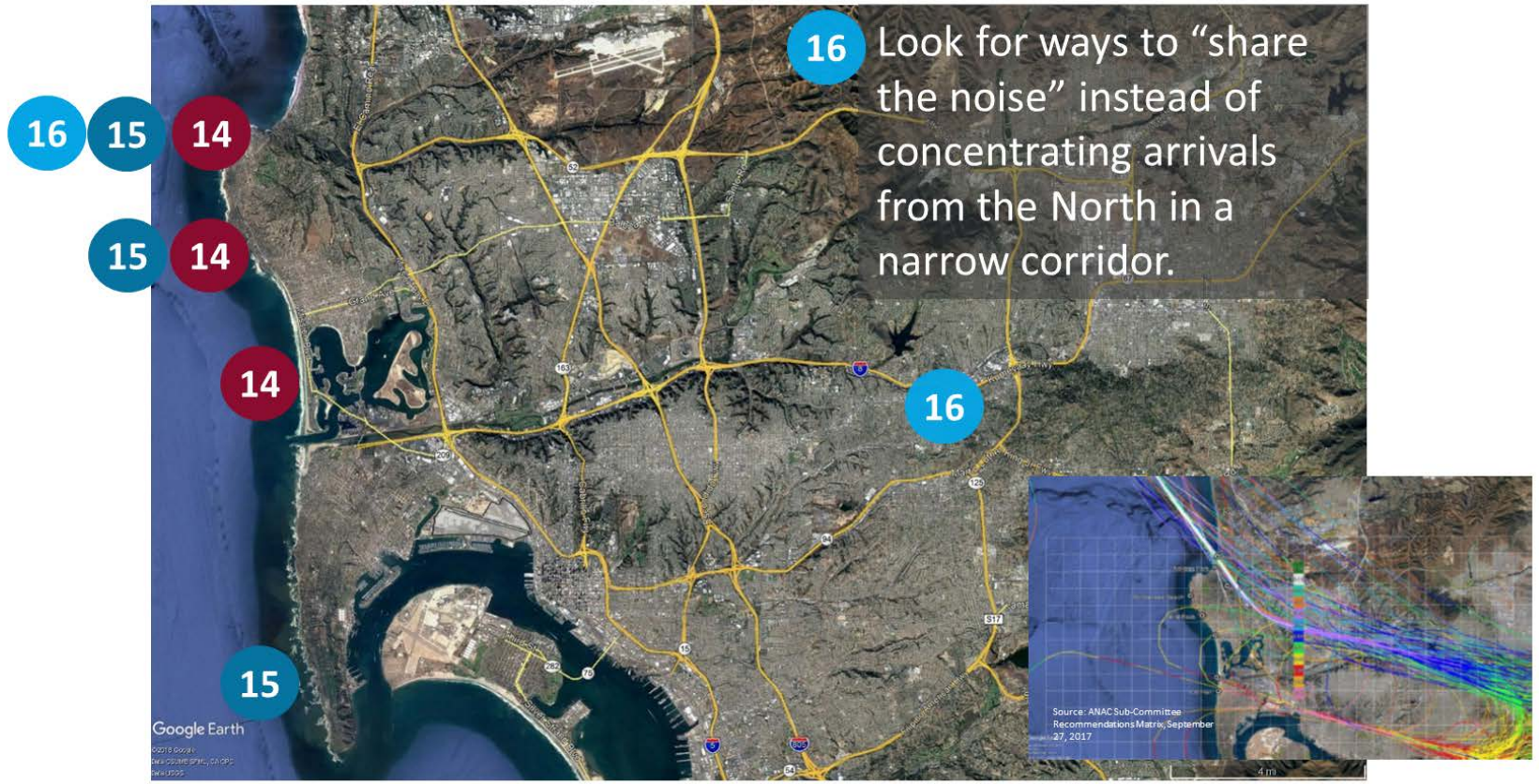
ANAC Recommendations - Flight Procedures



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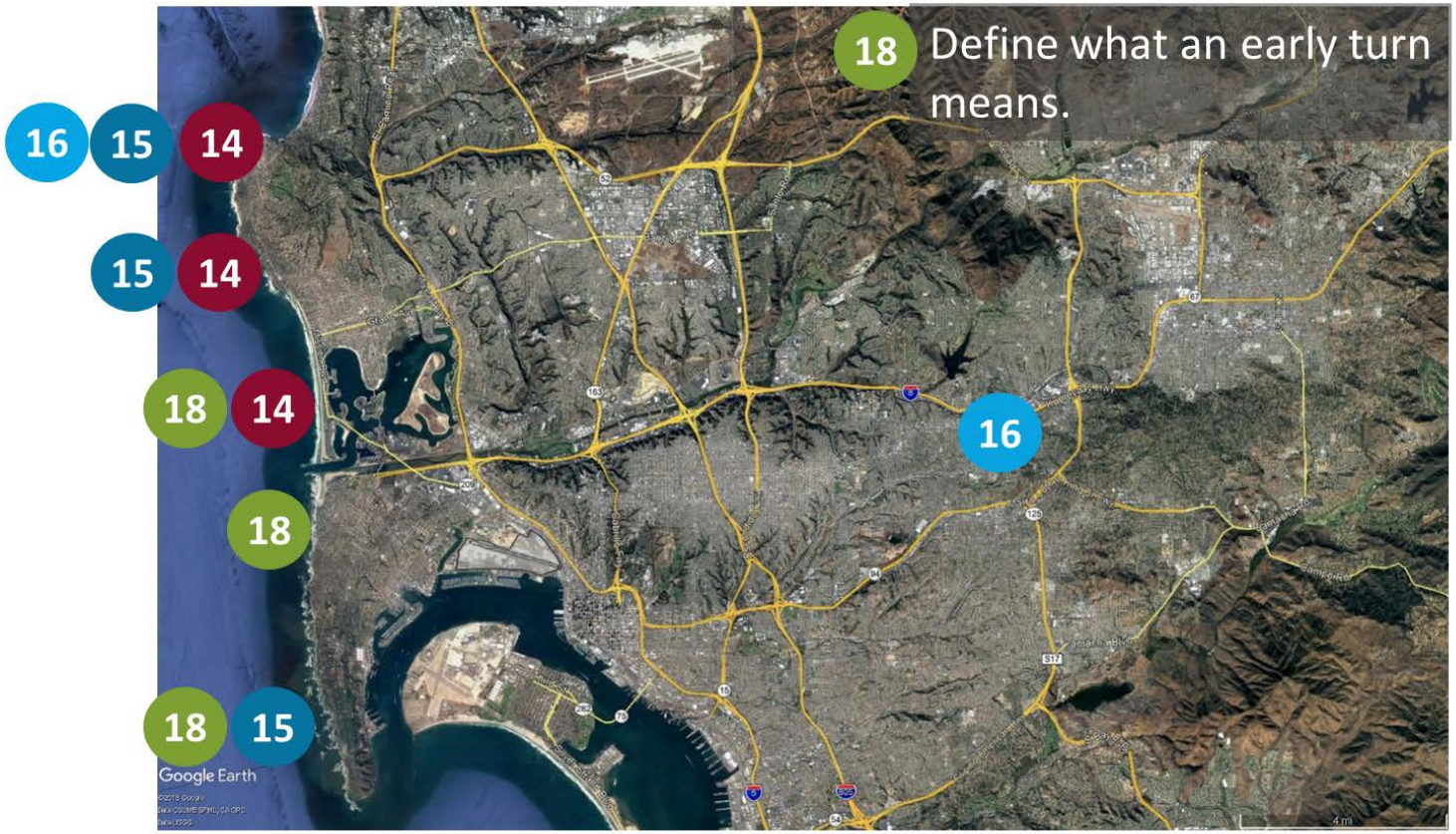
ANAC Recommendations - Flight Procedures



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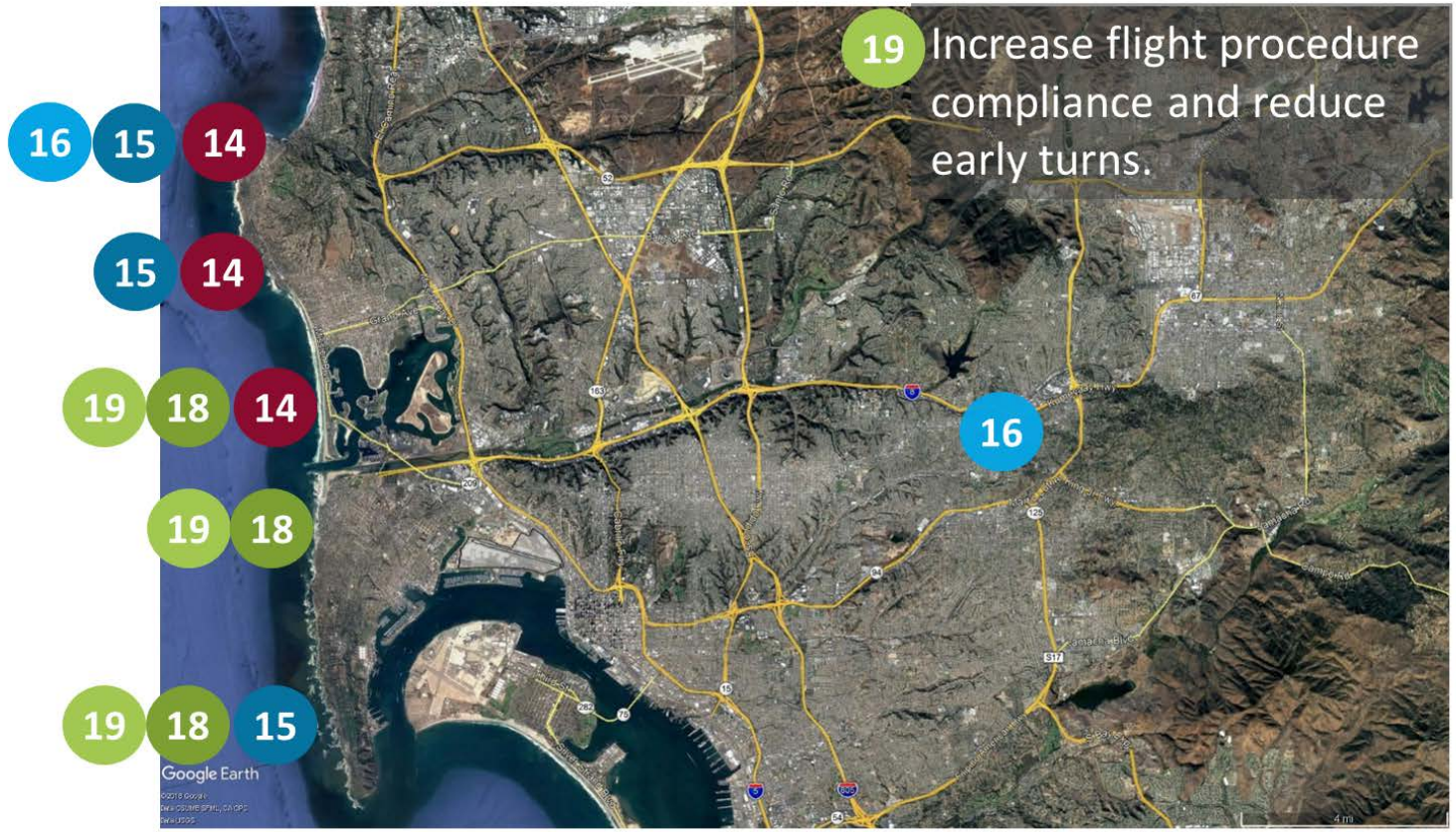
ANAC Recommendations - Flight Procedures



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ANAC Recommendations - Flight Procedures

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Conceptual Flight Procedure Analysis Processes

Requirements

- **Scope of Project**
- **ANAC Subcommittee Recommendations**

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Conceptual Flight Procedure Analysis Processes

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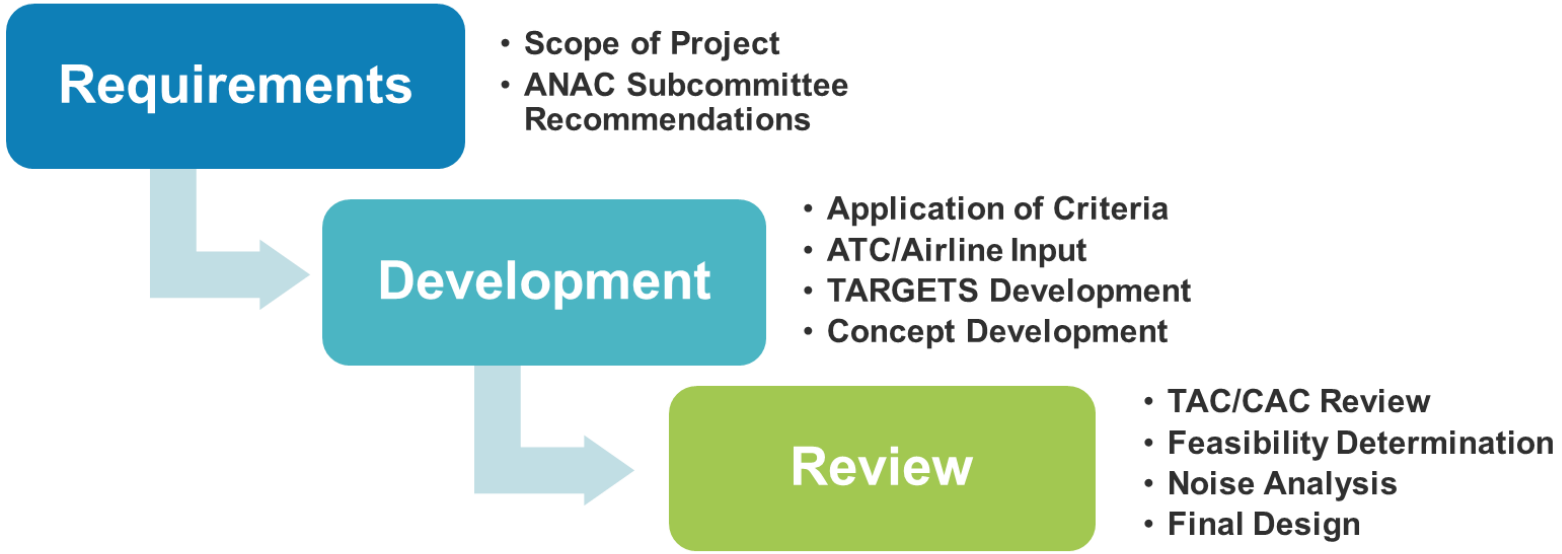
Conceptual Flight Procedure Analysis Processes



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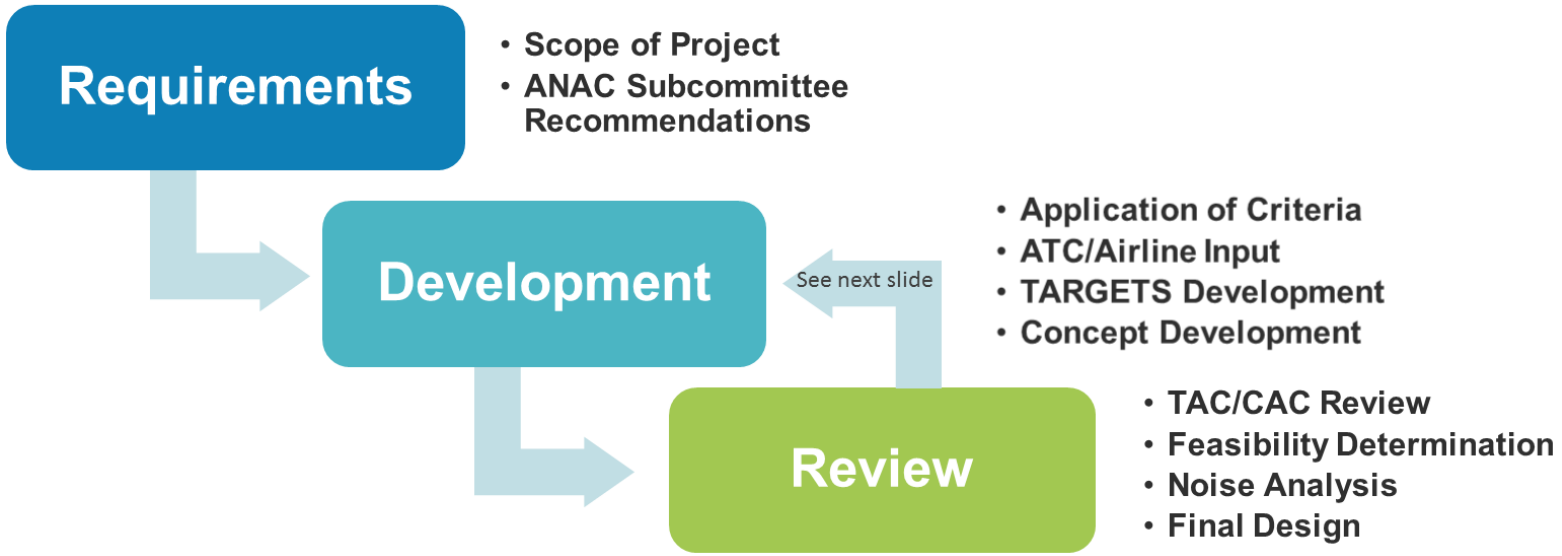
Conceptual Flight Procedure Analysis Processes



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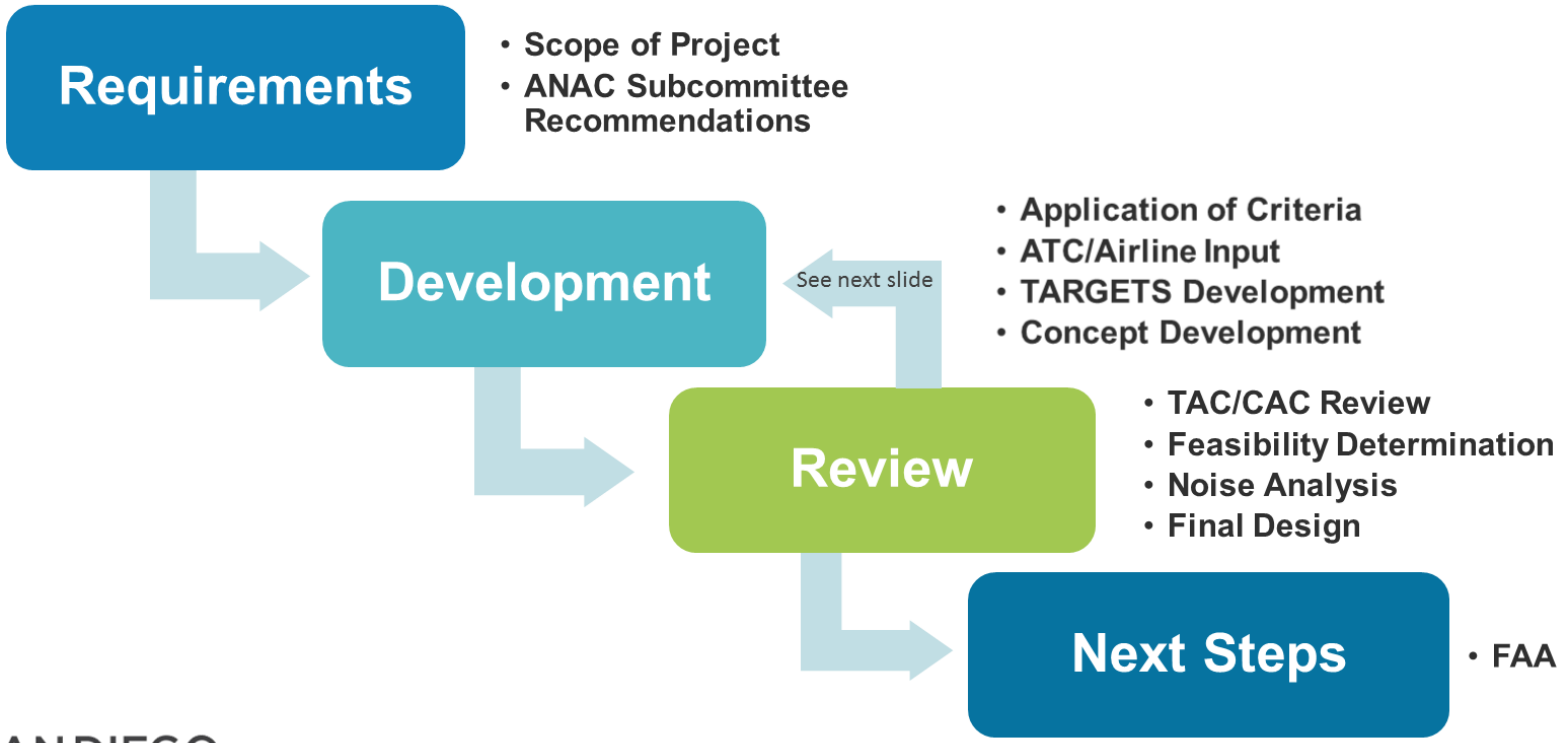
Conceptual Flight Procedure Analysis Processes



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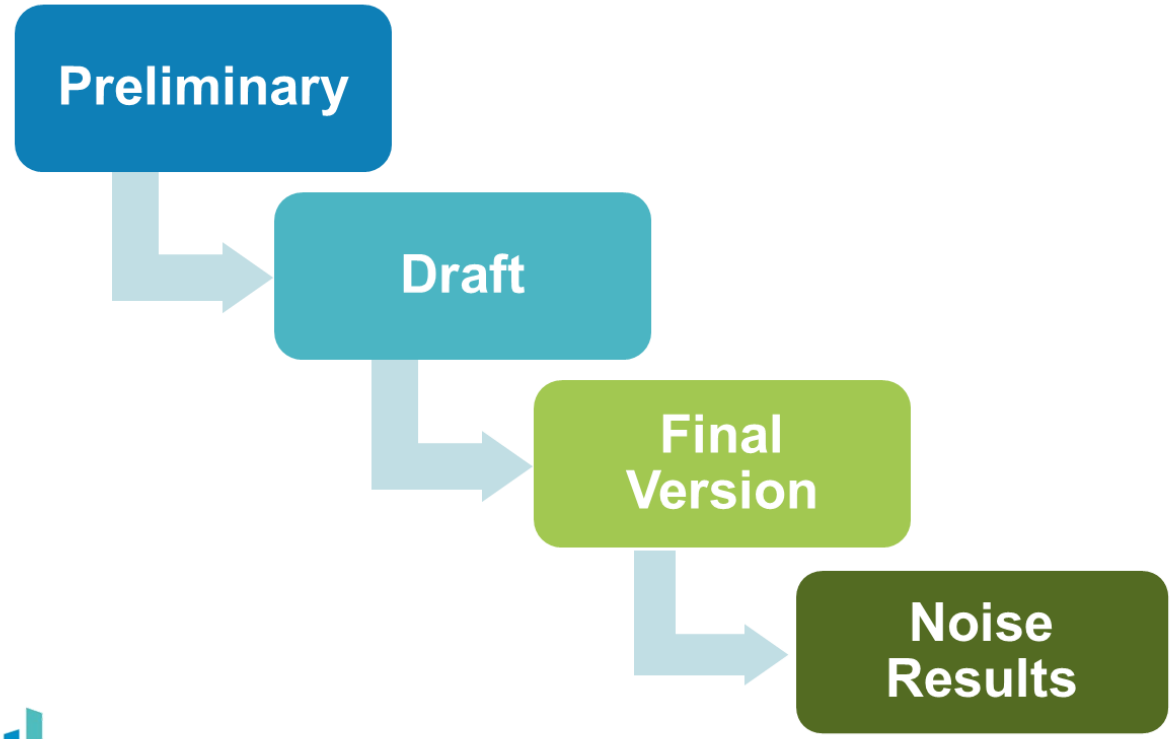
Development/Review Steps



Preliminary

Design concept procedures within parameters that meet intent of ANAC recommendations. If a design is not possible to address a recommendation, reasons will be documented.

Draft

Consider input from TAC on Version 1 designs and adjust where possible. Reasons for input that cannot be accommodated will be documented.

Final

Consider input from CAC/TAC on Version 2 designs and adjust where possible. Reasons for input that cannot be accommodated will be documented.

Noise Results

Calculate noise on Final Version designs and compare with Baseline levels to determine potential change. Review final designs and noise changes with CAC and TAC.

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7100.41 Phase 1 - Preliminary Activities

A Process to Evaluate Safety, Risk, Benefit, Feasibility, Readiness, and Performance

Initial Coordination

- Does the Proposal Meet FAA Goals and Objectives? If Yes, Baseline Analysis. If No, STOP

Baseline Analysis

- Analysis of Baseline Data and Benefits
- Does the Proposal Meet FAA Goals and Objectives? If Yes, Go to Development Phase. If No, Re-evaluate Baseline Analysis or STOP

Approval

- If Accepted go to Development Phase. If Not Accepted Back to Baseline Analysis or STOP

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Process - Concept Design

Design Parameters

- Do not change aircraft flight paths at or below 3,000 feet above SDIA's elevation
- Do not impact safety
- Meet FAA design criteria
- Fit within existing airspace and maintain existing airspace hand-off areas
- Do not impact capacity of SDIA
- Do not move noise to new non-compatible areas

Operations Data and Design Tool

- Evaluate post-Metroplex operations
- Use FAA's Terminal Area Route Generation, Evaluation and Traffic Simulation (TARGETS) design tool to design concept procedures.

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Process - Aircraft Noise Analysis

Methodology: Use Aviation Environmental Design Tool (AEDT)

- Use FAA ATO methodology to assess potential impacts
- Calculate noise levels for closely-spaced grid points
- Analyze difference between alternative and baseline

Flight Track and Operation Patterns

- Develop AEDT flight tracks and altitude profiles for traffic flows based on best radar and flight operations data

Noise Model Outputs

- Calculate Community Noise Equivalent Noise Level (CNEL)
- Calculate change in CNEL between an alternative and the baseline.

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Important Factors

Will:

- Propose designs compatible with existing air traffic environment
- Gather critical input from CAC and TAC during design process
- Coordinate with FAA ATO staff during concept design process
- Develop required information for FAA consideration the “Preliminary Activities” phase of the FAA Order 7100.41a process, if necessary
- Calculate change in noise levels for specific procedures

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Important Factors

Will not:

- Evaluate recommendations to reduce noise at or higher than CNEL 65 dBA – reserved for Part 150 Study
- Propose designs that require FAA waivers
- Propose designs that will negatively impact SDIA capacity
- Conduct all steps in FAA Order 7100.41A
- Evaluate non-SDIA traffic overflights
- Evaluate “restriction” type proposals that require 14 CFR Part 161 study

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Process - Stakeholder Input

Review

- Citizen Advisory Committee (CAC)
  - Input on ANAC recommendations and related goals
  - At least two meetings to review draft/final concepts
  - One meeting to review conclusions
- Technical Advisory Committee (TAC)
  - Broader stakeholder group: Airline(s), commuter carrier(s), corporate operator(s) and FAA ATO.
  - Input to confirm procedures are operationally viable and identify potential issues
  - At least three meetings to review iterative/draft/final concepts
  - One meeting to review conclusions

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Anticipated Meeting Schedule

CAC Flight Procedure Analysis Meeting Timeline

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Select 2 CAC Members for
Technical Advisory Committee

CAC Q&A and Comments
Next Meeting