

# Los Angeles Basin Terminal Airspace Redesign



Federal Aviation  
Administration



Presentation to: GT CDA Workshop  
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# SCT Airspace Redesign Overview

- Raise initial LAX Departure Altitude
  - ▶ Complete 9/2004
- Improve LAX Arrival Profile
  - ▶ Internal airspace transfer and new TEC routes – Complete 9/2005
  - ▶ LAX Class B - Complete 12/22/2005
  - ▶ CIVET5 and SEAVU1 – Publish 2/16/2006
  - ▶ Project Implementation Targeted - 2/23/2006
- Implement RNAV Departures
  - ▶ HOLTZ6 – Publish 2/16/2006 – Implementation Targeted - 3/2/2006
  - ▶ OSHNN1 – Scheduled 8/2006
  - ▶ KARVR1 – Scheduled 8/2006
- Redesign Terminal Airspace
  - ▶ Initial Contract – Complete
  - ▶ Scoping Meetings – Targeted Summer 2006



# Los Angeles Basin Redesign Project Overview – Draft Purpose and Need

## ➤ Purpose:

The purpose of this project is to develop an improved integrated airspace design for airports within the Los Angeles Metropolitan Area, focusing primarily on LAX, with the objectives of improving safety and efficiency, reducing delays, and accommodating changes in aircraft fleet usage patterns and capabilities.

## ➤ Need:

The current airspace design will not meet future demand, does not fully recognize the capabilities and limitations of modern aircraft, and so imposes additional costs on all airspace users. LAX is one of the 35 OEP airports within the U.S. and thus efficiency in the Los Angeles Metropolitan Area is a crucial part of the National Airspace System. A central part of the FAA mission is to maintain and improve safety and efficiency. A redesign of airspace in the Los Angeles Metropolitan Area is required to do this.



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# Los Angeles Basin Redesign Project Overview



## Project Overview – Objectives and Considerations (

- Conduct a structured overall assessment of traffic flows in Southern California.
- Use a “clean sheet” approach to develop traffic flows that maximize the use of fuel efficient approaches (i.e. Continuous Descent Approaches or CDA), and unrestricted or profile climbs.
- Work with industry and research community
  - PARTNER project & JPDO



## Project Overview – Scope

- Primary airport is LAX.
- Airspace within the Los Angeles Metropolitan Area.
- Airspace beyond the Los Angeles Metropolitan Area to the extent required to efficiently match up with new airspace and procedures within the Los Angeles Metropolitan Area.
- Additional affected Air Carrier airports as required to meet P&N:
  - ▶ Burbank
  - ▶ Long Beach
  - ▶ Ontario
  - ▶ Santa Ana
  - ▶ March ARB
- Numerous General Aviation Airports



# Project Overview – Example Initial Concepts





## Project Overview – Key Strategies for Success

- Keep Project Purpose and Scope Clearly Focused.
- Use of Clear Measurable Metrics. - Examples:
  - ▶ Increase LAX IFR arrival rate by 2 aircraft per hour.
  - ▶ Reduce estimated fuel consumption by 1,000,000 gallons per year.
  - ▶ Reduce arrival radio transmissions by 5%.
- Clearly Defined Roles and Responsibilities
  - ▶ Establish Strategy Team Across Lines of Business.
  - ▶ Defined Accountability for Each Step.
  - ▶ Maintain Adequate & Timely Funding.
- Integration of Airspace Redesign with NEPA Process



# Project Overview – Timelines

Fiscal Year	Stage	Start	End
Year 1	Problem ID	Nov-05	Feb-06
	Initial Design	Feb-06	Sep-06
		Jul-06	Sep-06
Year 2	Scoping	Oct-06	Jun-07
		Oct-06	Sep-07
Year 3	Full Design (incl interative model/design)	Oct-07	Sep-08
		Oct-08	Feb-09
Year 4	DEIS (incl Ops Modeling, Validation, Noise/Envir Assess)	Oct-07	Sep-09
Year 5	FEIS (incl public mtgs & implement planning)	Oct-09	Sep-10
		Oct-10	Apr-11
Year 6	ROD	May-11	Jun-11
		Jul-11	Sep-11
Year 7	Implementation	Oct-11	Aug-12
		Sep-12	Sep-12
Year 8	Post-Implement	Oct-12	Feb-13



## Project Overview – Status

- Initial Environmental Contract Awarded.
- Environmental Kickoff Meeting Held (November 7-8, 2005)
- Initial Briefings Begun.
- Work on Scoping Contract Begun.
- Development of Initial Concepts Underway.
- Extensive Public Participation Planned.
  - Establish Public Web Site and Mailing List.
- Initial Public Scoping Meetings Targeted for Summer 2006.



**THANK YOU**



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Administration**

