

SAN DIEGO

International Airport



AIRPORT MASTER PLAN
SAN DIEGO INTERNATIONAL AIRPORT

CHAPTER 2

Goals and Objectives

2. GOALS AND OBJECTIVES

According to FAA AC 150/5070-6A, the goal of an airport master plan is "to provide guidelines for future airport development which will satisfy aviation demand in a financially feasible manner, while at the same time resolving the aviation, environmental, and socioeconomic issues existing in the community."

The goals and objectives were initially developed at the outset of the master plan but continued to be refined throughout the planning process. Central to the planning process was a foundation of communication and consensus between the authority staff, and the consultant team. A Technical Committee was established with scheduled bi-weekly meetings focused on discussions and analysis of progress and findings. Technical Committee members include Authority staff from each division within the Authority as well as the consultant team.

SDIA Master Plan Goals

The goals of the SDIA Master Plan were developed to provide guidelines for delivering a plan for the airport's future. Well organized goals also provide the planning team a proverbial measuring stick to gauge how well the plan meets the airport's needs.

To address the unique concerns of the San Diego region, the planning team developed eight goals. These eight goals address the constraints and opportunities present at SDIA:

- Improve Levels of Service (LOS) for Airport customers and users
- Improve airport safety and security for Airport customers and users
- Utilize property and facilities efficiently
 - Maintain balance of passenger volumes and operations among the Airport's facilities.
 - Improve tenant facilities
- Enhance Airport access as part of the region's transportation system
- Enhance regional economy by serving demand for air service
- Prepare measured, incremental improvements that are cost effective and respond to the region's forecast for air service for passengers and cargo
- Involve stakeholder and community input
- Compatibility with surrounding land uses and Authority policies.

Because the Master Plan for future development at the existing airport site occurred simultaneously with the ASSP, a study that could have resulted in the relocation of the region's primary airport to a different site, a unique challenge was presented to the Master Plan team. The Master Plan team was challenged with presenting an effective strategy for two varying scenarios. Should the ASSP have resulted in a voter decision to relocate the airport, the Master Plan would have needed to provide a responsible development guide for the existing site to meet aviation demand during an interim period prior to the actual relocation. This is due to the fact that, even with a new airport in development at a different location, the existing site would remain in use for a period of 15-20 years while the new airport is under development and construction. Demand for air service will still be growing during the interim period, and improvements will be required at the existing airport to meet the demand.

The alternative (and eventual) outcome of ASSP is that it is determined that the existing airport site will continue to serve as the region's airport indefinitely.

Delaying the Master Plan until the conclusion of the ASSP would have presented costly delay for overdue improvements to the existing facilities. Among other necessary improvements to existing facilities, the facility requirements (Chapter 7 of this document) illustrate the need for additional aircraft gates as soon

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as 2008. Now three years into the preparation of the Master Plan, the airport is struggling to accommodate new airline entrants as well as increased demand from existing airlines for facilities. The time required for completion of the Master Plan and associated environmental analysis necessitates foresight and advanced planning to allow for the required facilities to be available when they are needed.

The primary challenge to the Master Plan team is to develop a plan for SDIA that will serve the airport regardless of whether or not it remains the region's primary commercial air service facility. The Master Plan goals reflect this challenge and illustrate its importance to the overall scope of the Master Plan.

SDIA Master Plan Objectives

Two overall objectives were developed to provide guidance in developing a master plan that meets the Authority's stated goals:

1. Provide adequate facilities to accommodate air service demand (forecast growth through 2015) while improving levels of services, airport safety and security, and enhancing airport access.
2. Develop facilities that utilize the current airport property and facilities efficiently and are compatible with surrounding land uses.

The overall objectives of the Master Plan provide a guideline for carrying out the planning process and meeting the goals. A series of detailed objectives were also developed to address specific issues related to the airport master-planning process and each airport component. Each individual objective is a clear statement about developing the SDIA Master Plan. Accomplished in concert, the detailed objectives will allow the Authority to meet the SDIA Master Plan goals.

The detailed objectives are organized into six categories. The first two categories, environmental and financial, pertain to all phases of the master-planning process, and these objectives shall be addressed in every segment of the Master Plan. The last four categories, airside, terminal, ground transportation, and airport support, pertain to the four airport components and provide a framework for developing improved airport facilities.

Environmental Objectives

Environmental objectives will help the planning team reduce and minimize the environmental effects associated with development of airport facilities. In particular, they provide a framework for measuring how people are affected by airport development. SDIA is adjacent to residential communities and businesses and the environmental objectives reflect how the Authority will involve the community and address the concerns of the airport's neighbors. The environmental objectives are listed below:

- Involve community stakeholders in the planning process and be responsive to their concerns.
- Mitigate existing and future noise and other environmental impacts to the greatest practical degree.
- Coordinate with the Airport Land Use Compatibility Plan (ALUCP) and the ASSP.

Financial Objectives

Financial objectives present priorities for handling the costs associated with the varying infrastructure improvements presented in the Master Plan. The financial objectives are listed below:

- Recognize the finite availability of funds to improve the Airport.
- Involve financial stakeholders in the planning process and respond to their concerns.
- Balance improvement plans with the ability to amortize the capital costs during an appropriate period of time.
- Maximize the Airport's non-airline revenue-generating capability with consideration of concessions opportunities, parking, on-airport lease agreements, and other means.

Airside Objectives

Airside objectives provide guidelines for improving the runways, taxiways, and aircraft aprons at the Airport. The airside objectives are listed below:

- Improve airfield safety and efficiency through reducing the need for runway crossings by taxiing aircraft.
- Improve the existing runway and taxiways to meet current FAA-recommended design standards where practicable thus reducing the need for taxiing aircraft to cross the runway.
- Maximize efficiency of the single runway airfield.
- Allow the airfield to operate without restrictions to the movement of Aircraft Design Group V aircraft (such as the Boeing 747, and 777).
- Provide additional parking for aircraft that must Remain Overnight (RON), preferably adjacent to the terminal area to reduce runway crossings by taxiing aircraft.

Terminal Objectives

Terminal objectives provide a framework for improving the passenger ticketing and check-in facilities, baggage claim facilities, gate facilities, concessions, and other terminal structure components. The terminal facility objectives are listed below:

- Improve Levels of Service for the traveling public in the terminal complex.
- Provide a functional and efficiently designed terminal with consideration of the following:
 - For departing passengers: clear orientation from transit and parking to ticketing and check-in, to security, to concessions, and to the aircraft gates.
 - For arriving passengers: clear orientation from the arrival gate to baggage claim to transit and parking.
- Incorporate the demands of the latest airport passenger security screening areas into the terminal design.
- Maintain full operational capability (no loss of gates) and minimize disruption during construction.
- Maximize the efficiency of future facilities through consideration of common use facilities.
- Provide facilities for future international service.

Ground Transportation Objectives

Ground transportation objectives provide guidelines for improving airport access, parking, and vehicle circulation. The ground transportation objectives are listed below:

- Improve airport access for both private vehicles and public transit to meet anticipated population growth and vehicular demand.
- Ensure the safe and efficient flow of traffic in and out of the Airport.
- Reconfigure the roadway system to avoid congestion points that lead to traffic delays and confusion.
- Organize the ground transportation facilities to provide sufficient terminal parking, remote parking, rental car facilities, commercial vehicles, and taxis/vans/shuttles.

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Airport Support Objectives

Airport support objectives will provide the framework for improvements to tenant facilities and other airport facilities such as cargo facilities and general aviation facilities. The airport support objectives are listed below:

- Accommodate improved and expanded air cargo facilities that meet air cargo demand and utilize existing ground transportation networks.
- Work with FAA and existing tenants to improve general aviation facilities in a responsible and efficient manner while recognizing SDIA's role as the region's primary commercial service airport.
- Provide adequate facilities for airport maintenance and support.

Summary

These Master Plan objectives support the Authority's goals and provide a framework for development of a feasible plan for the future of SDIA.