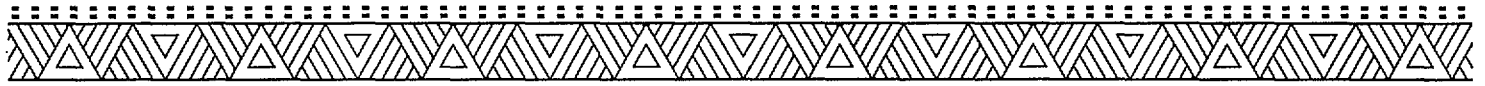




# INTRODUCTION



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Airport Master Plan



The Scottsdale Airport Master Plan is being financed as a cooperative effort between the Federal Aviation Administration (FAA), the Arizona Department of Transportation, Aeronautics Division (ADOT), and the City of Scottsdale. The master plan is a comprehensive analysis of airport needs and alternatives with the purpose of providing direction for the future development of this facility.

The Master Plan for Scottsdale Airport must address the specific needs of the airport, evaluate its role within the regional aviation system and recommend future development projects. The City of Scottsdale recognizes the importance of aviation in long-term planning and the associated challenges inherent in providing for future aviation needs. With a sound and realistic Master Plan, Scottsdale Airport will continue its role as both an economic asset and a source

of pride to the residents of the City of Scottsdale and the Phoenix metropolitan area.

## AVIATION CLASSIFICATIONS

The FAA currently defines three broad categories of aviation activity: general aviation, air carrier, and military. Air Carriers are those airlines which provide scheduled carriage of passengers or freight under restricted permits issued by the FAA. Air Carriers may be divided into two major groupings.

- **Certificated Route Air Carriers** - An air carrier engaged in interstate or overseas transportation under a Certificate of Public Convenience and Necessity issued by the DOT. Certain non-scheduled or charter operations may also be

conducted by these carriers, all passenger carriers, and combination carriers operating under Federal Aviation Regulation (FAR) Part 121 certificates.

- ◆ **Air Taxi or Commercial Operators** - Operators of airplanes with maximum seating (excluding pilot) of 30 passengers or a maximum payload capacity of more than 7,500 pounds. They operate under FAR Part 135 certificates.

General aviation includes every type of civil flying other than certificated air carriers and military. General aviation flying or usage falls into four major categories:

- ◆ **Business** - The use of an aircraft for executive or business transportation. This category consists of aircraft used by an organization and operated by professional pilots to transport its employees and property (not for compensation or hire), and aircraft used by an individual for transportation required for his or her business.
- ◆ **Commercial** - The use of an aircraft for commercial purposes (other than the commuter and air carrier), including: air taxi, aerial application, special industrial usage, aerial surveys, advertising, aerial photography, and emergency medical transportation.
- ◆ **Instructional** - The use of an aircraft for flight training under the supervision of an instructor.
- ◆ **Personal** - The use of an aircraft for a variety of personal reasons.

General aviation is the largest and the most significant element of the national air transportation system. According to the National Plan of Integrated Airport Systems (NPIAS) 1990-1999, general aviation aircraft constitute 98 percent of all aircraft in use today. Certificated airlines serve fewer than 700 airports in the country, while there are over 16,000 general aviation airports in the country. General aviation provides the time saving link for corporate travel that has made the shift to smaller communities feasible and extremely attractive.

## STUDY OBJECTIVES

Because the airport belongs to the public and is intended to serve the entire region, a comprehensive analysis of the airport and the surrounding area will be made. To accomplish the objectives of this study, the Master Plan will supply the following analyses.

- ◆ **Inventory of Existing Conditions** - Assemble and organize relevant information and data on Scottsdale Airport and the surrounding area.
- ◆ **Aviation Forecast** - Develop detailed projections of future air traffic, by quantity and type.
- ◆ **Facility Requirements** - Identify the facility requirements needed to meet projected demands for the airport for existing, short, intermediate, and long term time frames.

- ◆ **Airport Alternatives** - Produce concepts of the various alternatives for airport development.
- ◆ **Airport Layout Plan** - Refine the recommended airport development concept into the airport's plan for development.
- ◆ **Financial Plan** - Prepare a capital improvement program to assist in the implementation of the recommended development plan. Establish development priorities, schedule proposed development items, and estimate development costs.

One of the most important elements of the planning process is the direct involvement of those parties who could potentially be most affected by the results of the study. This is accomplished through the use of a Planning Advisory Committee (PAC), which reviews the work of the study team. In addition, four public information workshops will be held prior to the completion of the Master Plan Study, providing the public with an opportunity to understand the planning process as well as present comments or concerns. With the assistance of local input, the Master Plan for Scottsdale Airport will reflect the necessary future development needed to meet

the growing aviation demands of both the City of Scottsdale and the Phoenix Metropolitan area.

## **THE AIRPORT'S ROLE**

For calendar year 1993, Scottsdale Airport was classified by the FAA as a Commercial Service Airport. Scottsdale Airport was defined as an airport which enplaned at least 2,500 annual passengers and received scheduled passenger service. For calendar year 1994 no scheduled passenger service was available, therefore, it is anticipated that Scottsdale Airport will be reclassified by the FAA as a General Aviation Reliever Airport. General aviation reliever airports are those airports which provide traffic relief to a commercial service airport in the area. In the case of Scottsdale Airport, the relieved airport is Phoenix Sky Harbor International Airport.

This Master Plan study will examine and consider all of the activities currently taking place at Scottsdale Airport and strive to produce a plan that will support all future anticipated airport activities, and meet the needs of the community.