

CHAPTER I. PROGRAM OBJECTIVES

1. GENERAL

The mission of the airport is to provide a satisfactory level of services to all elements of the traveling public and other users of the airport. The six program goals address:

- development of physical facilities,
- minimization of costs,
- flexibility to meet changing conditions,
- safety and reliability,
- consistency with other plans and economic development policy,
- environmental concerns.

These guidelines firstly provide general direction to the study with respect to the development of concepts. Secondly, the objectives are a yardstick against which the qualities of different alternative airport development schemes are assessed. It may be that not all of the objectives can be achieved in full within the planning period. It is certainly true that some of them operate in different directions (e.g., minimize airspace congestion, and minimize noise), but a clear statement of the objectives will give a sense of purpose to the planning program.

2. GUIDELINES AND POLICIES

GOAL NO. 1

Develop the Airport's physical facilities to meet future aviation needs, to provide enhanced levels of air service, and to further the economic development of the Phoenix area.

Objectives:

- 1.1 Continue to meet airline requirements for domestic airfield and terminal capacity. Provide runway capacity for 700,000 annual operations and 125 peak hour operations, and terminal gates for 75 peak hour air carrier and regional aircraft arrivals.
- 1.2 Provide runway length to meet the needs of international departures; meet domestic need for 100% of forecast scheduled air carrier departures year round, desirably on both existing runways; and provide two wide-body international terminal gates and federal inspection service (FIS) facilities adequate for 400 arriving international passengers per hour.

- 1.3 Maintain and enhance the attractiveness of Sky Harbor as an airline hub, and promote airline investment in corporate facilities including headquarter functions and aircraft maintenance. Reserve up to 100 acres of land, with access to the airport highway system and to the runway/taxiway system for future corporate air carrier development.
- 1.4 Provide facilities for regional airlines to expand as both feeders and point-to-point carriers. Designate regional aircraft parking spaces located together with code-sharing air carriers, and a separate regional airline terminal facility.
- 1.5 Allocate areas and develop facilities to meet the projected needs of corporate general aviation.

GOAL NO. 2

Minimize costs to users of the Airport.

Objectives:

- 2.1 Minimize airside (runway, taxiway) congestion, providing that the additional operating costs resulting from aircraft delays do not exceed costs that would be incurred to provide for additional capacity to reduce these delays.
- 2.2 Minimize terminal area congestion, such that unconstrained flows between the terminal areas and runways can be achieved.
- 2.3 Minimize airspace congestion and delays for air carrier and general aviation aircraft operations, through procedural changes and/or provision of additional navigational aids, consistent with noise abatement flight procedures.
- 2.4 Provide delay-free access to the airport from the regional highway system, and provide for connection to the proposed regional rapid rail transit system.
- 2.5 Facilitate inter-terminal movement of passengers and baggage, such that the maximum gate-to-gate connection time is 25 minutes.

GOAL NO. 3

Develop the airport in a manner which is flexible and adaptable to changing conditions.

Objectives:

- 3.1 Develop the airside in a manner such that options for development are retained, to respond to changes in aircraft type or size.
- 3.2 Develop the terminal buildings using concepts which permit rapid responses to expansion or reductions in service or operations, consistent with adopted plans for Terminal 4.
- 3.3 Assemble additional land to provide contingencies for future demand.

GOAL NO. 4

Provide an airport that is safe and reliable.

Objectives:

- 4.1 Provide all navigational and landing aids which enhance the safety of operations.
- 4.2 Develop and protect recommended safety areas and clear zones.
- 4.3 Provide CFR access roads and facilities to obtain established response times under all weather conditions.

GOAL NO. 5

Develop an airport that is consistent with State, regional, and local plans and economic development policies.

Objectives:

- 5.1 Integrate airport development and airport-associated development with interactive community plans and development policies, giving special consideration to plans for Phoenix Sky Harbor Center.
- 5.2 Integrate proposed airport improvements with the recommendations of the FAR Part 150 program.

GOAL NO. 6

Develop the airport and the airport vicinity to be consistent with aircraft noise and other environmental effects.

Objectives:

- 6.1 Locate improvements to the airport so as to minimize adverse effects of land-taking, noise, and air pollution on existing residents, employees, and community facilities.
- 6.2 Locate improvements to the airport and to its access system, such that growth of associated uses may best be controlled through land use planning and zoning.