

**CHAPTER 9.0**  
**LIST OF ABBREVIATIONS, ACRONYMS, AND GLOSSARY**

**9.1 LIST OF ABBREVIATIONS AND ACRONYMS**

**A**

AAGR	Average Annual Growth Rate
AC	Advisory Circular
ACM	Asbestos Containing Material
ADA	Americans with Disabilities Act
ADEQ	Arizona Department of Environmental Quality
ADG	Airplane Design Group
ADOT	Arizona Department of Transportation
ADWR	Arizona Department of Water Resources
AESF	Arizona Ecological Service Field Office
AFFC	Arizona Fueling Facilities Corporation
AGFD	Arizona Game and Fish Department
AGL	Above Ground Level
AIP	Airport Improvement Program
ALP	Airport Layout Plan
ANG	Air National Guard
AOD	Area of Disturbance
APM	Automated People Mover
APU	Auxiliary Power Unit
AQD	Air Quality Department
ARC	Aircraft Reference Codes
ARFF	Airport Rescue and Fire Fighting
ARTCC	Air Route Traffic Control Center
AST	Aboveground Storage Tank
ATADS	Air Traffic Activity Data System
ATC	Air Traffic Control
ATCT	Air Traffic Control Tower
AZPDES	Arizona Pollution Discharge Elimination System

**B**

bgs	Below Ground Surface
bls	Below Land Surface
BMP	Best Management Practices

**C**

CAA	Clean Air Act
CAAA	Clean Air Act Amendments
CAP	Central Arizona Project
CBD	Central Business District
CBRA	Coastal Barrier Resources Act
CEQ	Council on Environmental Quality
CERCLA	Comprehensive Environmental Response, Compensation and Liability Act
CERFA	Community Environmental Response Facilitation Act
CFR	Code of Federal Regulations
CHD	Chandler Municipal Airport
CHPO	City Historic Preservation Officer
CO	Carbon Monoxide
CWA	Clean Water Act
CZMA	Coastal Zone Management Act

**D**

dB	Decibels
dba	Decibels A-weighted
DCR	Design Concept Report
DNL	Day-Night Equivalent Sound Level (See also Ldn)
DOA	Department of Aviation
DOI	Department of the Interior
DOT	Department of Transportation
DP	Departure Procedure
DSA	Detailed Study Area
DVT	Phoenix Deer Valley Airport

**E**

EA	Environmental Assessment
EDMS	Emissions and Dispersion Modeling System
EEPG	East Economy Parking Garages
EIS	Environmental Impact Statement
EO	Executive Order
EPA	U.S. Environmental Protection Agency
ESA	Endangered Species Act

## F

°F	Degrees Fahrenheit
FAA	Federal Aviation Administration
FAR	Federal Aviation Regulations
FBO	Fixed Base Operator
FEMA	Federal Emergency Management Agency
FFZ	Falcon Field Airport
FHWA	Federal Highway Administration
FIP	Federal Implementation Plan
FIRM	Flood Insurance Rate Map
FIS	Federal Inspection Services
FONSI	Finding of No Significant Impact
FPPA	Farmland Protection Policy Act
FTA	Federal Transit Authority
FY	Fiscal Year

## G

GEU	Glendale Municipal Airport
GIS	Geographic Information System
gpm	Gallons per Minute
GPS	Global Positioning System
GRIC	Gila River Indian Community
GSA	Generalized Study Area
GSE	Ground Service Equipment
GYR	Phoenix-Goodyear Airport

## H

HC	Hydrocarbon
HDMS	Heritage Data Management System
HIRL	High Intensity Runway Lights
HUD	U.S. Department of Housing and Urban Development

## I

ICAO	International Civil Aviation Organization
IFR	Instrument Flight Rules
ILS	Instrument Landing System
INM	Integrated Noise Model
IWA	Williams Gateway Airport

## L

LAWA	Los Angeles World Airports
Ldn	Day-Night Equivalent Sound Level
LOS	Level of Service
LRT	Light Rail Transit
LTO	Landing and Takeoff Cycle
LUF	Luke Air Force Base
LUST	Leaky Underground Storage Tank
LWCF	Land and Water Conservation Fund

## M

MAG	Maricopa Association of Governments
MALSR	Medium Intensity Approach Lighting System with Runway Alignment Indicator Lighting System
MCESD	Maricopa County Environmental Services Department
MCFCDD	Maricopa County Flood Control District
mgd	Million Gallons per Day
MRF	Materials Recycling Facility
MSA	Metropolitan Statistical Area
MSGP	Multi-Sector General Permit
MSL	Mean Sea Level
MSW	Municipal Solid Waste
MUTCD	Manual on Uniform Traffic Control Devices

## N

N/A	Not Applicable
NAAQS	National Ambient Air Quality Standards
NEPA	National Environmental Policy Act
NESHAP	National Emissions Standards for Hazardous Air Pollutants
NM	Nautical Mile (6,076 feet)
NO	Nitric Oxide
NO <sub>2</sub>	Nitrogen Dioxide
NO <sub>3</sub>	Nitrate Radical
NO <sub>x</sub>	Nitrogen Oxides
NOI	Notice of Intent
NPDES	National Pollutant Discharge Elimination System
NPIAS	National Plan of Integrated Airport Systems
NPL	National Priorities List
NPS	National Parks Service
NRCS	National Resource Conservation Service

## O

O<sub>3</sub> Ozone  
O&D Origin and Destination

## P

PAPI Precision Approach Path Indicator System  
Pb Lead  
PHX Phoenix Sky Harbor International Airport  
PM Particulate Matter  
ppm Parts per Million

## R

RACM Regulated Asbestos Containing Material  
RASP Regional Aviation System Plan  
RCC Rental Car Center  
REIL Runway End Identifier Lights  
ROD Record of Decision  
ROP Rate of Progress

## S

SCS Soil Conservation Service  
SDL Scottsdale Airport  
SEL Sound Exposure Level  
SHPO State Historic Preservation Officer  
SIP State Implementation Plan  
SO<sub>2</sub> Sulfur Dioxide  
SO<sub>x</sub> Sulfur Oxides  
SR State Road  
SRP Salt River Project  
SSA Socioeconomic Study Area  
STAR Standard Terminal Arrival Route  
SWPPP Stormwater Pollution Prevention Plan

## T

TAF Terminal Area Forecast  
TAMIS Total Airport Management Information System  
TIP Transportation Improvement Program  
TOFA Taxiway Object Free Area  
TRACON Terminal Radar Approach Control  
tpy Tons per Year  
TSA Taxiway Safety Area  
TSA Transportation Safety Administration

## U

USACE U.S. Army Corps of Engineers  
USC U.S. Code  
USDA U.S. Department of Agriculture  
USFWS U.S. Fish and Wildlife Service  
USGS U.S. Geological Survey  
UST Underground Storage Tank

## V

VASI Visual Approach Slope Indicator  
VMT Vehicle Miles Traveled  
VOC Volatile Organic Compounds

## W

WWTP Wastewater Treatment Plant

## 9.2 GLOSSARY OF TERMS

A-Weighted Sound Level (dBA) - A measurement representing a sound generally as the human ear hears it by filtering out as much as 20 to 40 decibels of sound below 100 hertz (Hz). Used for aircraft noise evaluations.

Base Floodplain - That area subject to a one percent or greater chance of flooding in any given year (i.e., the 100-year floodplain).

Baseline Condition - The existing conditions or conditions prior to future development, which serve as a foundation for analysis.

Best Management Practices (BMPs) - Methods employed during construction and included in the development for ensuring environmental management to the greatest possible extent.

Day-Night Equivalent Sound Level (DNL or Ldn) - The average sound level over a 24-hour period with noise events occurring between the hours of 2200 and 0700 subject to a penalty of 10 decibels.

Decibel (dB) - A unit of noise level representing a relative quantity. This reference value is a sound pressure of 20 micronewtons per square meter.

dBA - A weighted sound level. The sound pressure level in decibels as measured on a sound level meter using the A-weighting filter network. The A-weighting filter de-emphasizes the very low and very high frequency components of the sound in a manner similar to the frequency response of the human ear.

Enplane - To board an airplane. Number of enplanements refers to the number of passengers boarding aircraft.

Federal Aviation Regulations (FAR) - Series of rules and regulations administered by FAA that govern the operation, maintenance, construction, acquisition, etc. of airports, aircraft, and associated aviation activities.

Flight Track Utilization - The use of established routes for arrival and departure by aircraft to and from the existing runways at the airport.

Integrated Noise Model (INM) - A computer model developed and maintained by FAA to predict the noise impacts generated by aircraft operations.

Land Use Compatibility - The ability of land uses surrounding the airport to co-exist with airport-related activities with minimum conflict.

Landing and Takeoff (LTO) Cycle - The time that an aircraft is in operation at an airport. An LTO cycle begins when an aircraft starts its final approach (arrival) and ends after the aircraft has made its climb-out (departure).

Mitigation Measures - Controls that are used to lessen the environmental impacts of a proposed development action.

National Ambient Air Quality Standards (NAAQS) - Standards established by the EPA used for protecting and improving air quality.

National Pollution Discharge Elimination System (NPDES) - Federal permit required by the EPA for point source and non-point source stormwater discharges.

Noise Contour - An outline graphically displayed on a plan or map identifying the limits of an area exposed to a specific sound level (example: 65 DNL noise contour).

Operational Demand - The need of an airport to adequately accommodate the existing or forecast level of aircraft operations.

Passenger Facility Charge (PFC) - A tax on enplaning passengers that may be used to supplement local airport revenues to fund needed airport development without a direct charge imposed on passengers by the airport proprietor.

Peak Hour - The hour of the day during which the greatest amount of aviation activity occurs.

Terminal Radar Approach Control (TRACON) - A terminal air traffic control facility collocated with an air traffic control tower. It uses radar data acquisition and air/ground communication equipment to provide approach and departure traffic control services under Instrument Flight Rule conditions.