



TOPIC

Analyse the rationale behind and purpose of airport masterplans and comment on their validity

ESSENTIAL CONTENT

- The definition and purpose of the airport master plan
- The core areas covered in airport master plans
- The process for developing airport masterplans

AIRPORT MASTERPLAN; DEFINITION

AN AIRPORT MASTER PLAN PROVIDES A ROAD MAP FOR EFFICIENTLY MEETING AVIATION DEMAND THROUGH THE FORESEEABLE FUTURE WHILE PRESERVING THE FLEXIBILITY NECESSARY TO RESPOND TO CHANGING INDUSTRY CONDITIONS.

(LANDRUM & BROWN, 2017)

AIRPORT MASTERPLAN; IMPORTANCE

AN AIRPORT MASTER PLAN IS AN INTEGRAL COMPONENT OF THE STRATEGIC DECISION-MAKING PROCESS TO TAKE INTO ACCOUNT BOTH SHORT TERM AND LONG TERM POLICY OBJECTIVES.

IT IS OF PRIMARY IMPORTANCE THAT ANYONE WHO IS TASKED WITH DEVELOPING AN AIRPORT PLAN ENGAGES WITH ALL STAKEHOLDERS TO ENSURE APPROPRIATE CONSULTATION AND COORDINATION TAKES PLACE THROUGHOUT THE DEVELOPMENT AND IMPLEMENTATION PROCESS.

(SASADMIN, 2016)

AIRPORT MASTERPLAN; PURPOSE

THE PRIMARY OBJECTIVES OF THE AIRPORT MASTER PLAN ARE TO DEVELOP AN ATTAINABLE PHASED DEVELOPMENT PLAN CONCEPT THAT WILL SATISFY THE NEEDS OF THE AIRPORT IN A SAFE, EFFICIENT, ECONOMICAL AND ENVIRONMENTALLY SOUND MANNER.

THE PLAN SERVES AS A GUIDE TO DECISION MAKERS, AIRPORT USERS AND THE GENERAL PUBLIC FOR IMPLEMENTING AIRPORT DEVELOPMENT ACTIONS IN LINE WITH BOTH AIRPORT AND COMMUNITY CONCERNS AND OBJECTIVES.

(KAYENTA AIRPORT, 2010)

AIRPORT MASTERPLAN; GENERAL GOALS AND OBJECTIVES

- TO PROVIDE A FRAMEWORK FOR LONG-RANGE PLANNING (20 TO 30 YRS)
- TO GRAPHICALLY PRESENT PREFERRED AIRPORT DEVELOPMENT CONCEPTS
- TO DEFINE THE PURPOSE AND NEED FOR DEVELOPMENT PROJECTS
- TO COMPLY WITH ALL APPLICABLE FAA REQUIREMENTS
- TO ENABLE THE AIRPORT TO ACHIEVE ITS MISSION
- IDENTIFY OPTIMUM LANDSIDE USES, WHICH WILL ENHANCE THE ECONOMIC BENEFITS OF THE AIRPORT AND THAT ARE COMPATIBLE WITH AIRSIDE DEVELOPMENT.
- PREPARE A SCHEDULE OF DEVELOPMENT PROJECTS AND REASONABLE COST ESTIMATES BY WHICH TO IMPLEMENT THE IMPROVEMENTS PROPOSED HEREIN

(KAYENTA AIRPORT, 2010)

AIRPORT MASTERPLAN; CHARACTERISTICS

- FINANCIALLY FEASIBLE
- ENVIRONMENTALLY COMPATIBLE
- BALANCED
- TECHNICALLY SOUND
- RESPONSIVE
- FLEXIBLE

(LANDRUM & BROWN, 2017)

AIRPORT MASTERPLAN; ELEMENTS

- ❑ REGULATION
- ❑ LAND USE
- ❑ SURFACE ACCESS
- ❑ ROUTE DEVELOPMENT
- ❑ GOVERNMENT
- ❑ LOCAL COMMUNITIES
- ❑ FORECASTS
- ❑ AIRLINES
- ❑ ENVIRONMENT

(RUIZ, 2014)

FURTHER READING

[HTTPS://WWW.INFRASTRUCTURE.GOV.AU/AVIATION/AIRPORT/PLANNING/INDEX.ASPX](https://www.infrastructure.gov.au/aviation/airport/planning/index.aspx)

REFERENCE

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