



WELCOME TO THE GLOBAL AIR NAVIGATION PLAN PORTAL

The GANP Portal is a web portal where all aviation stakeholders will be able to find the most relevant information related to the GANP





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UNITING AVIATION

National Planning

NATIONAL AIR NAVIGATION PLAN





Flight Plan

- NANP Development
 - Process
- NANP Content
- Conclusion



DEVELOPING A NANP

- Global Regional Context
 - GANP
 - Ensuring global harmonization
 - ANPs
 - Ensure the provision of minimum services for international civil aviation, agree on performance levels and global interoperability.



DEVELOPING A NANP

- National Context

- Link to National Development Plans

- Facilitate access to financing for sustainable aviation development issues

- Link to other deliverables

- Maintenance plans (e.g. systems), investment plans, training plans, NASP, SSP, SMS, budget control, etc.



DEVELOPING A NANP

- Collaboration
 - Stakeholder Identification
 - CBA
 - Synchronization of deliverables
 - Committee with functions and responsibilities
 - Process for maintenance and approval of the plan
- Available resources
 - Electronic vs. Printed



DEVELOPING A NANP

- Multilayer structure
 - Strategy vs. technical content
- Approach
 - Table of contents
- Know the system: analyze, don't jump to solutions
- Driving the plan based on performance
 - GANP Performance Framework
 - Air Navigation System Performance Analysis (AN-SPA)
(<https://www4.icao.int/ganpportal/ANSPA/Reports>)



DEVELOPING A NANP

- Choosing the optimal solution
 - Consider feasibility
 - Operational safety assessment, Environmental assessment, HF assessment, CBA (cost of operation)
 - Consider dependencies
 - Maximize benefits
- Implementation plans



CONTENT

- STRUCTURE
 - Reflect the regional air navigation plans
 - Vol I, Vol II y Vol III
- Adapted to the national context



CONTENT

- Introduction
 - Context and approach
 - Overview of plan content/structure
 - State commitment to plan and its resourcing
 - Link to strategic level (if applicable and not part of the document)
 - Relationship to other state plans
 - Goal and purpose
 - Roles and responsibilities
 - Management and modification of plan
 - Abbreviations/glossary (if necessary)
 - Other (if required)



CONTENT

- Vol I, Part I - General
 - Geographic approach
 - Traffic forecast
 - Regional-specific priorities
- Vol I, Part II – Aerodromes
 - Introduction
 - Aerodromes
 - Local/international?
 - Military?
 - Helicopters?
 - Current traffic/Traffic forecast?



CONTENT

- Vol I, Part III - CNS
 - Introduction
 - Communications
 - AFS
 - ATN
 - AMS
 - Air-Ground communications for ATS
 - Air-to-ground data link communications
 - Navigation
 - PBN
 - GBAS/SBAS
 - Surveillance
 - Frequency management
- Vol I, Part IV - ATM
 - Introduction
 - FIRS
 - Lists
 - Tables
 - ATS routes and organized track structures
 - ICARD global database
 - Aircraft identification – SSR code assignment
 - Flexible use of airspace
 - RVSM



CONTENT

- Vol I, Part V - METEOROLOGY
 - Introduction
 - World area forecast systems and meteorological offices
 - Volcanic ash
 - Tropical cyclones
- Vol I, Part VI - SAR
 - Introduction
 - Search and rescue regions
 - Lists
 - Tables
- Vol I, Part VII - AIM
 - Introduction
 - Areas of responsibility for the provision of aeronautical information



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CONTENT

- Vol II, Part I - General
 - ATM homogeneous areas
 - Main traffic flows/route areas
- Vol II, Part II - Aerodromes
 - Introduction
 - Aerodromes
 - Name of city and aerodrome, preceded by location indicator
 - Aerodrome designation
 - Rescue and fire fighting (RFF) service required
 - Aerodrome reference code (RC)
 - Runway designation number
 - Visual aids for aerodrome operations in low visibility
 - Aids for non-precision approaches - Type of each runway
 - Reduction of declared runway distances for takeoff
 - Aerodrome capacity management
 - Aerodrome capacity assessment and requirements
 - Scheduled aerodrome closures
 - Aerodrome maintenance scheduling
 - Other





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CONTENT

- Vol II, Part III - CNS

- Introduction

- Communications

- AFS
 - Systems and applications
 - AFTN stations and centres
 - ATN
 - Support services
 - AMS
 - HF/VHF
 - Support services
 - Air-Ground data link
 - VDL2 and/or FANS-1/A
 - Support services
 - Net services
 - IP
 - Net management
 - Technical performance
 - Configuration
 - Security
 - Contract
 - Required Communication Performance (RCP)
 - ATM Specific Requirements
 - MET Specific Requirements
 - AIM Specific Requirements

- Navigation

- Navigation infrastructure
 - PBN
 - Use of specific navigation aids

- Surveillance

- Surveillance infrastructure
 - Use of specific surveillance systems

- Frequency management

- AMS
 - Radio navigation aids for Aeronautical Radio Navigation Services



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CONTENT

- Vol II, Part IV - ATM
 - Introduction
 - Optimization of traffic flows
 - ATS Routes
 - Designator type
 - Significant points
 - Aircraft Identification - SSR Code Management
- Vol II, Part V - METEOROLOGY
 - Introduction
 - MWO
 - Name
 - ICAO location indicator
 - Weather Observations and Reports
 - Forecast
 - Communications Requirements and Use
- Vol II, Part VI - SAR
 - Introduction
 - Rescue Coordination Centers (RCCs) and Rescue Sub-Centers (RSCs)
 - Lists
 - Tables
- Vol II, Part VII - AIM
 - Introduction
 - NOTAM Office (NOF)
 - Designated State for AIP production
 - Designated State for the production of aeronautical tables and charts (MAP)
 - Designated State for the provision of the authorized Integrated Aeronautical Information Database (IAID)
 - Designated State for the provision of pre-flight information services
 - Responsibility for the sheets of the World Aeronautical Chart (WAC) — ICAO 1:1 000 000 or the Aeronautical Chart — ICAO 1:500 000 (as an alternative to the World Aeronautical Chart — ICAO 1:1 000 000)



CONTENT

- Vol III, Part I - General
 - Planning Method
- Vol III, Part II – Performance Management Planning and SLA Implementation (PMP)
 - STEP 1: DEFINE FOCUS, CONTEST AND SET AMBITIONS
 - STEP 2: UNDERSTAND YOUR SYSTEM – SWOT ANALYSIS AND REGIONAL OBJECTIVES
 - STEP 3: QUANTIFY OBJECTIVES, SET GOALS AND CALCULATE NEEDS
 - STEP 4: CHOOSE SOLUTIONS
 - STEP 5: IMPLEMENT SOLUTIONS
 - STEP 6: EVALUATE ACHIEVEMENTS



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(MID) Office
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(ESAF) Office
Nairobi

Asia and Pacific
(APAC) Sub-office
Beijing

Asia and Pacific
(APAC) Office
Bangkok



THANK YOU