

Outline

★The GANP, a multi-layer structure

★AIM in the GANP





Global Overview

THE GANP, A MULTILAYER STRUCTURE

The GANP



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



https://www4.icao.int/ganpportal/



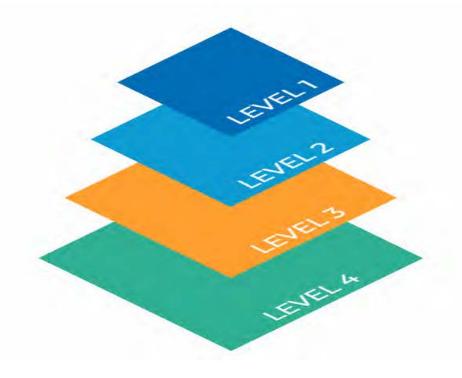
Multi-layer structure of the GANP

GLOBAL STRATEGIC

GLOBAL TECHNICAL

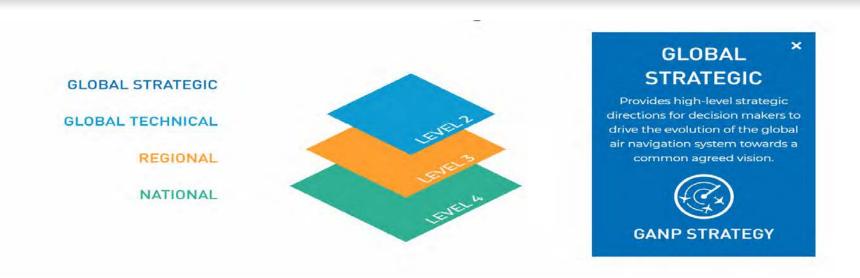
REGIONAL

NATIONAL





The Global Strategic Level



The Global Strategic Level provides a common vision, global performance ambitions and a conceptual roadmap



The Global Technical Level



The **Global Technical Level** supports scalable and cost-effective implementations



ICAO UNITING AVIATION The Global Technical Level

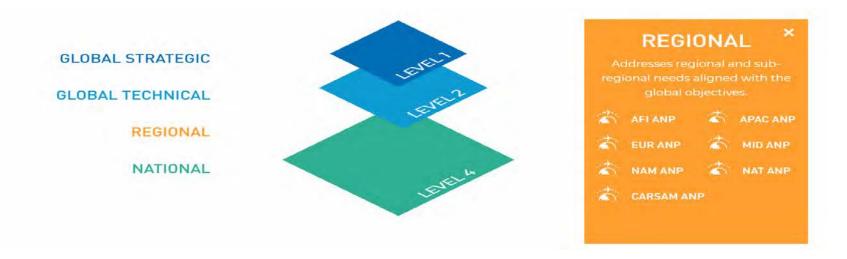
★ The Global Technical level contains:

- the Basic Building Blocks (BBB) framework, the foundation
- ✓ The ASBU framework , for scalable implementation of operational improvements
- ✓ The associated performance framework, a catalogue of performance objectives & KPIs
- ✓ A performance method for implementation planning





The Regional Level



The **Regional Level** contains the ICAO Regional Air Navigation Plans (ANPs) and considers other regional initiatives



The National Level





The National Level, focuses on national planning and is crucial to achieve the common vision developed in the GANP

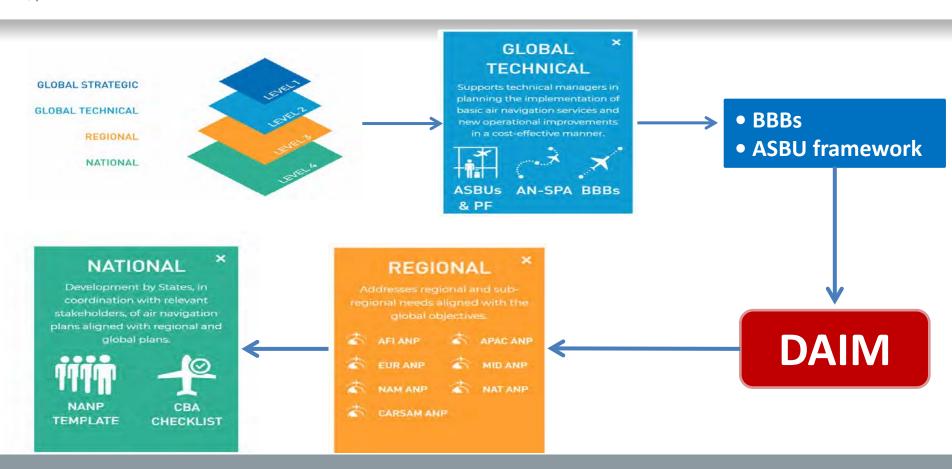


Global Overview

AIM IN THE GANP

UNITING AVIATION

Where is AIM described in the GANP?





ICAO UNITING AVIATION

Concept of operations of D-AIM





 Quality-assured product-centric
Aeronautical
Information Services **DAIM**



Block 1

Service
Improvement
through enhanced
data quality and
digital exchange and
processing of info

AIM 1.0



Block 2

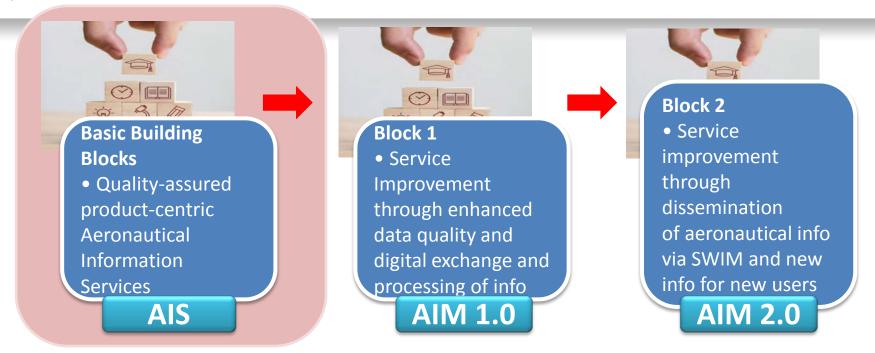
• Service improvement through dissemination of aeronautical info via SWIM and new info for new users

AIM 2.0

AIS

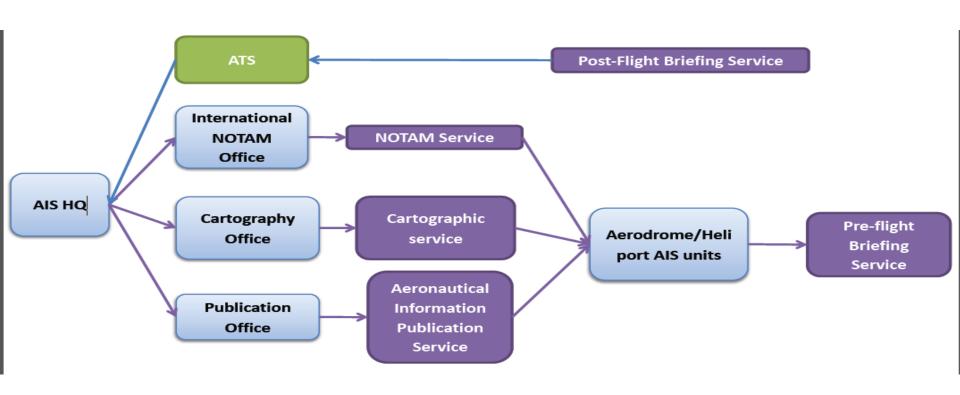


AIM in the BBBs



- ★ The BBBs refer to the basic AIS services and the provision of aeronautical information in a standardized presentation, based on point to point exchanges.
- ★ Reference provisions: Annex 15 (16th Ed.) and PANS-AIM (1st Ed.)

AIS in the BBBs





AIM in Block 1



- ★ Improved aeronautical information based on enhanced data quality to support PBN, airborne computer-based navigation systems and ground automation
- ★ Digital information exchange and processing allows a more efficient information management
- ★ Reference provisions: Annex 15 (16th edition) and PANS-AIM (1st edition)

AIM in Block 1

DAIM –B1/1 Provision of quality-assured aeronautical data and information			
DAIM -B1/2 Provision of Digital AIP Data set			
DAIM –B1/3 Provision of Digital Terrain Data set			
DAIM -B1/4 Provision of Digital Obstacle Data set			
DAIM –B1/5 Provision of Digital Aerodrome Mapping Data set			
DAIM –B1/6 Provision of Digital Instrument Flight Procedure Data set			
DAIM –B1/7 NOTAM Improvements			

AIM in Block 1



Main Purpose

The summary of the essence of the element.



New Capabilities

The description of what the stakeholders can do with this element that could not be done before. This section is not meant to describe performance improvements.



Description

Additional information to improve understanding of the element



Maturity Level

The stage of the element (Concept, Validation, Standardization, Ready for implementation)



<u>Human Factors:</u> Does it imply a change in task by a user or affected others? Does it imply processing of new information by the user? Does it imply the use of new equipment? Does it imply a change to levels of automation?



Enablers

M	Regulatory provisions	Regulatory organizations
	Operational procedures	ANSP
	Ground system infrastructure	ANSP, Airspace users
	Information exchange model	ANSP, Airspace users
	• Training	Regulatory organizations, ANSP, Airspace users

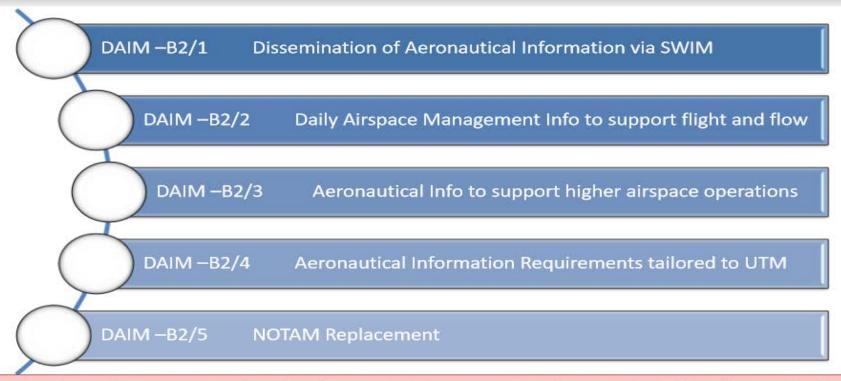


DAIM - B2 Module



- ★ Block 2 guide towards a full AIM environment, which include the dissemination of aeronautical information in a SWIM-enabled environment, user-defined products and the decommissioning of current distribution mechanisms
- ★ Traditional aeronautical information will be complemented by new information required to support operations in high airspace or the UAS Traffic Management concept.
- ★ Reference provisions: To be developed

DAIM - B2 Module



Every element is associated with a functional description and a list of enablers (as in Block 1)

