

AIM in the 6th Edition of the Global Air Navigation Plan

Aeronautical Information management

Outline

- The GANP, a multi-layer structure
- AIM in the GANP



Global Overview

THE GANP, A MULTILAYER STRUCTURE



The GANP



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



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

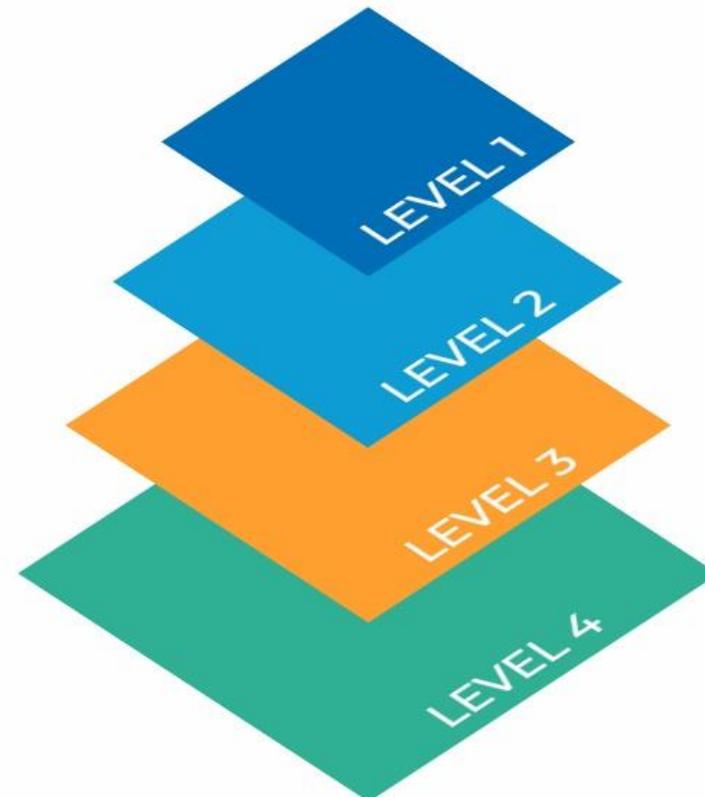
Multi-layer structure of the GANP

GLOBAL STRATEGIC

GLOBAL TECHNICAL

REGIONAL

NATIONAL



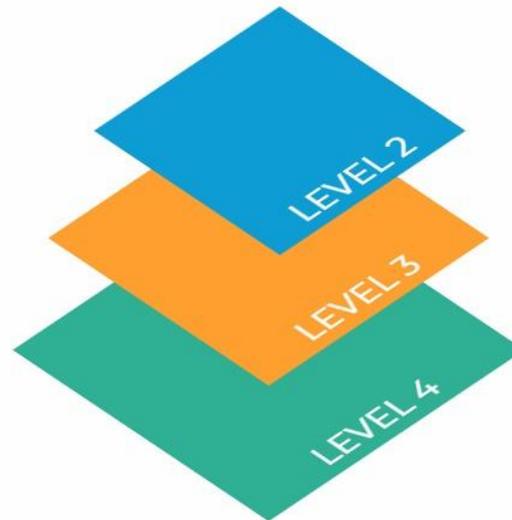
The Global Strategic Level

GLOBAL STRATEGIC

GLOBAL TECHNICAL

REGIONAL

NATIONAL



GLOBAL STRATEGIC

Provides high-level strategic directions for decision makers to drive the evolution of the global air navigation system towards a common agreed vision.



GANP STRATEGY

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

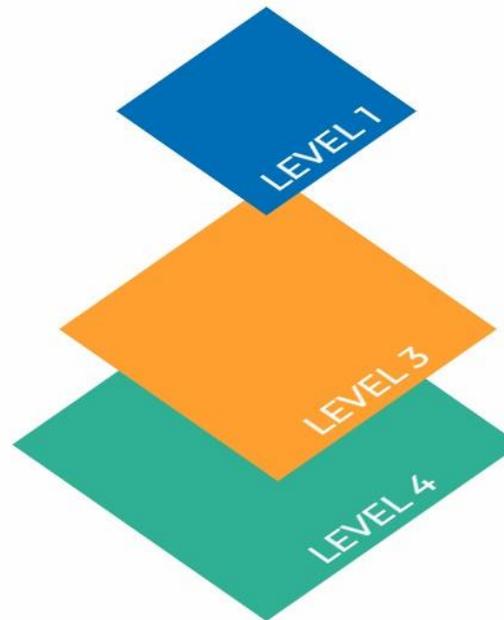
The Global Technical Level

GLOBAL STRATEGIC

GLOBAL TECHNICAL

REGIONAL

NATIONAL



GLOBAL TECHNICAL

Supports technical managers in planning the implementation of basic air navigation services and new operational improvements in a cost-effective manner.



ASBUs
& PF



AN-SPA



BBBs

The Global Technical Level supports scalable and cost-effective implementations

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

GLOBAL STRATEGIC

GLOBAL TECHNICAL

REGIONAL

NATIONAL



COMING SOON

REGIONAL

Addresses regional and sub-regional needs aligned with the global objectives.



AFI ANP



APAC ANP



EUR ANP



MID ANP



NAM ANP



NAT ANP



CARSAM ANP

2020

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

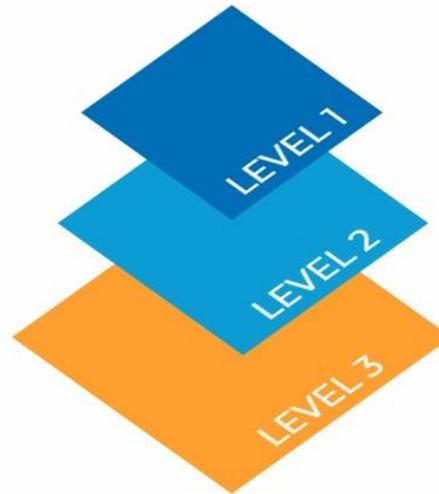
The National Level

GLOBAL STRATEGIC

GLOBAL TECHNICAL

REGIONAL

NATIONAL



COMING SOON

NATIONAL

Development by States, in coordination with relevant stakeholders, of air navigation plans aligned with regional and global plans.



NANP
TEMPLATE



CBA
CHECKLIST

2020

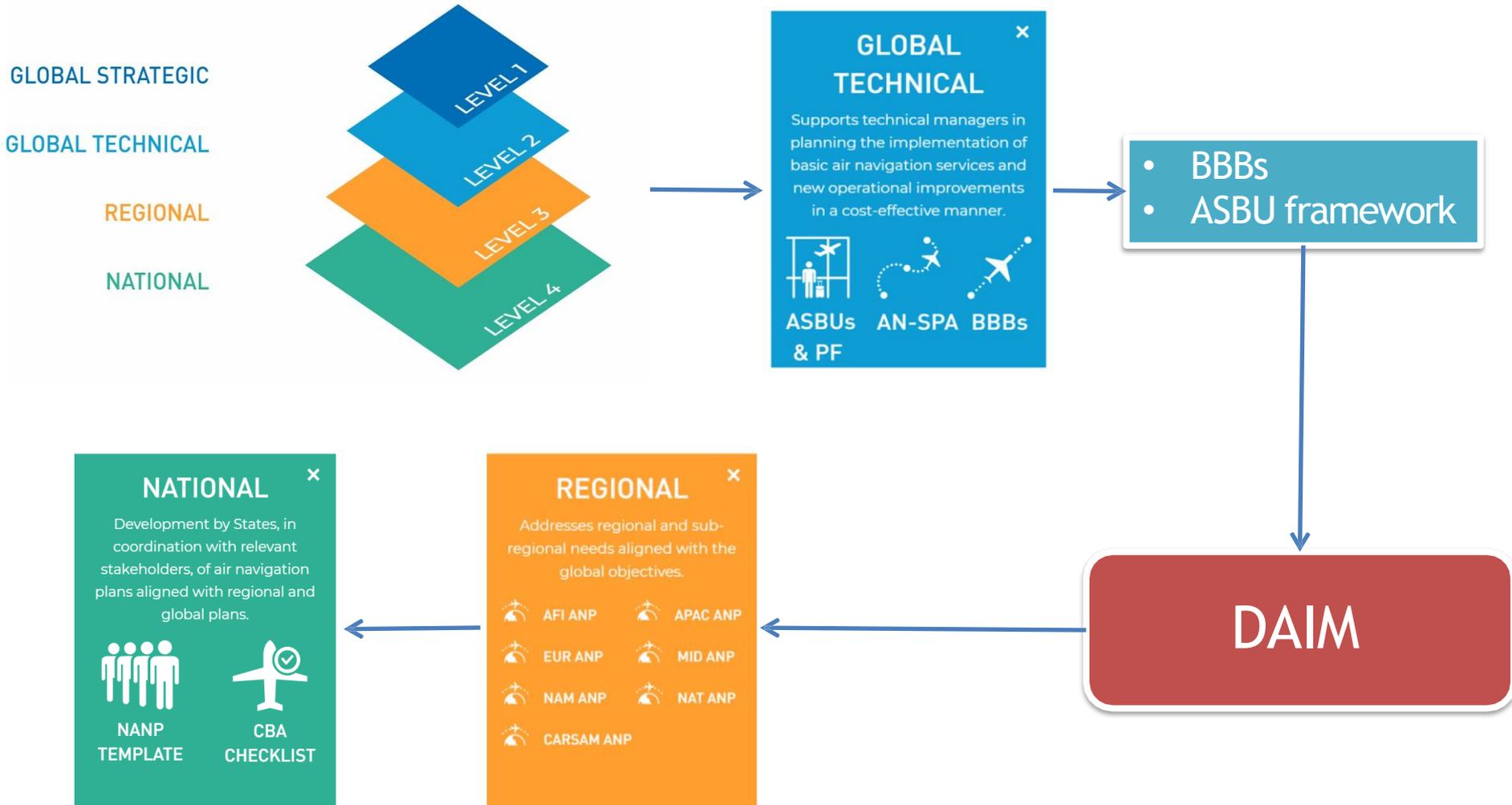
The National Level, focuses on national planning and is crucial to achieve the common vision developed in the GANP

Global Overview

AIM IN THE GANP



Where is AIM described in the GANP?



Concept of operations of D-AIM

DAIM

Basic Building Blocks

- Quality-assured product-centric Aeronautical Information Services



Block 1

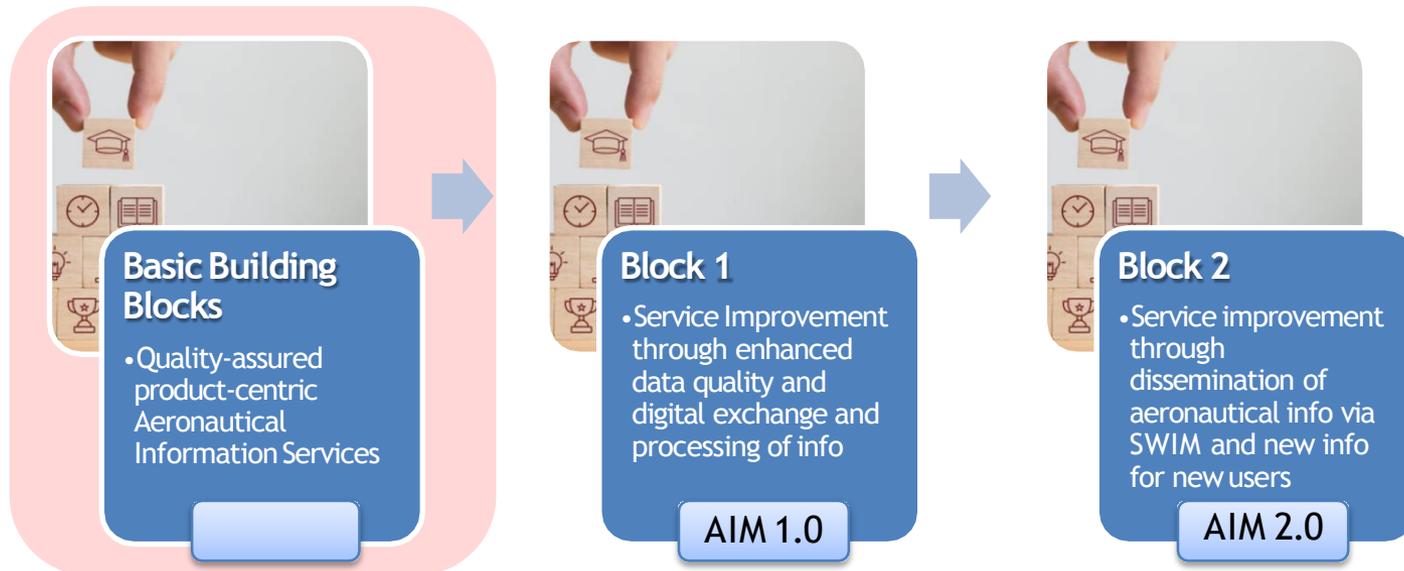
- Service Improvement through enhanced data quality and digital exchange and processing of info



Block 2

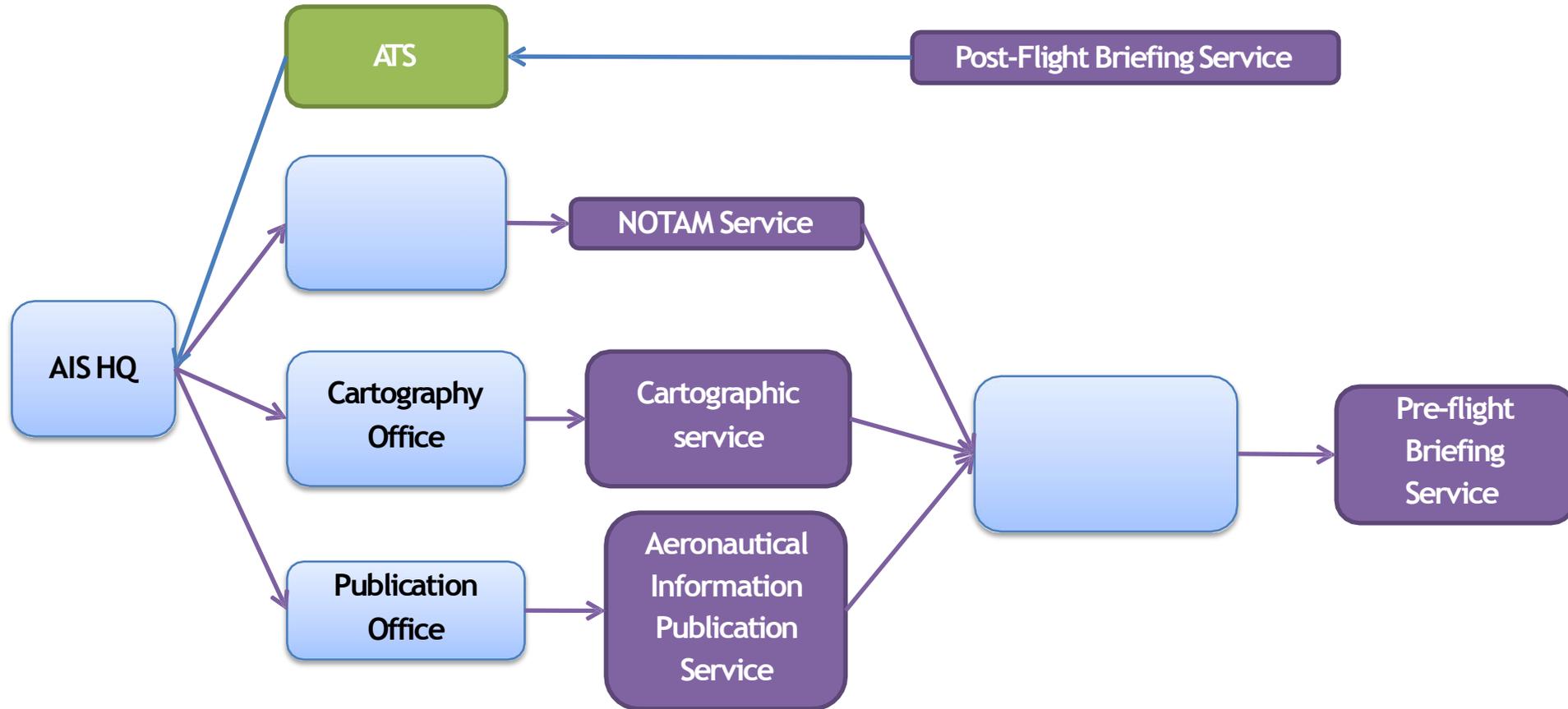
- Service improvement through dissemination of aeronautical info via SWIM and new info for new users

AIS in the BBBs

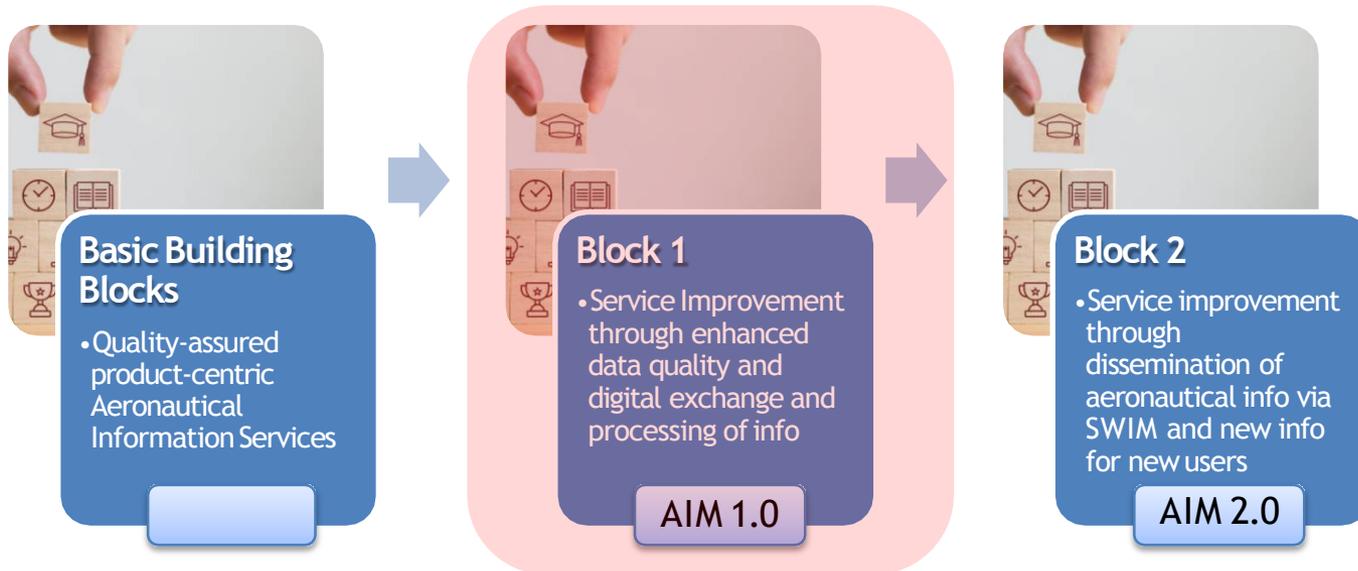


- The BBBs refer to the basic AIS services and the provision of aeronautical information in a standardized presentation, based on point to point exchanges.
- Reference provisions: Annex 15 (16th edition) and PANS-AIM (1st edition)

AIS in the BBBs

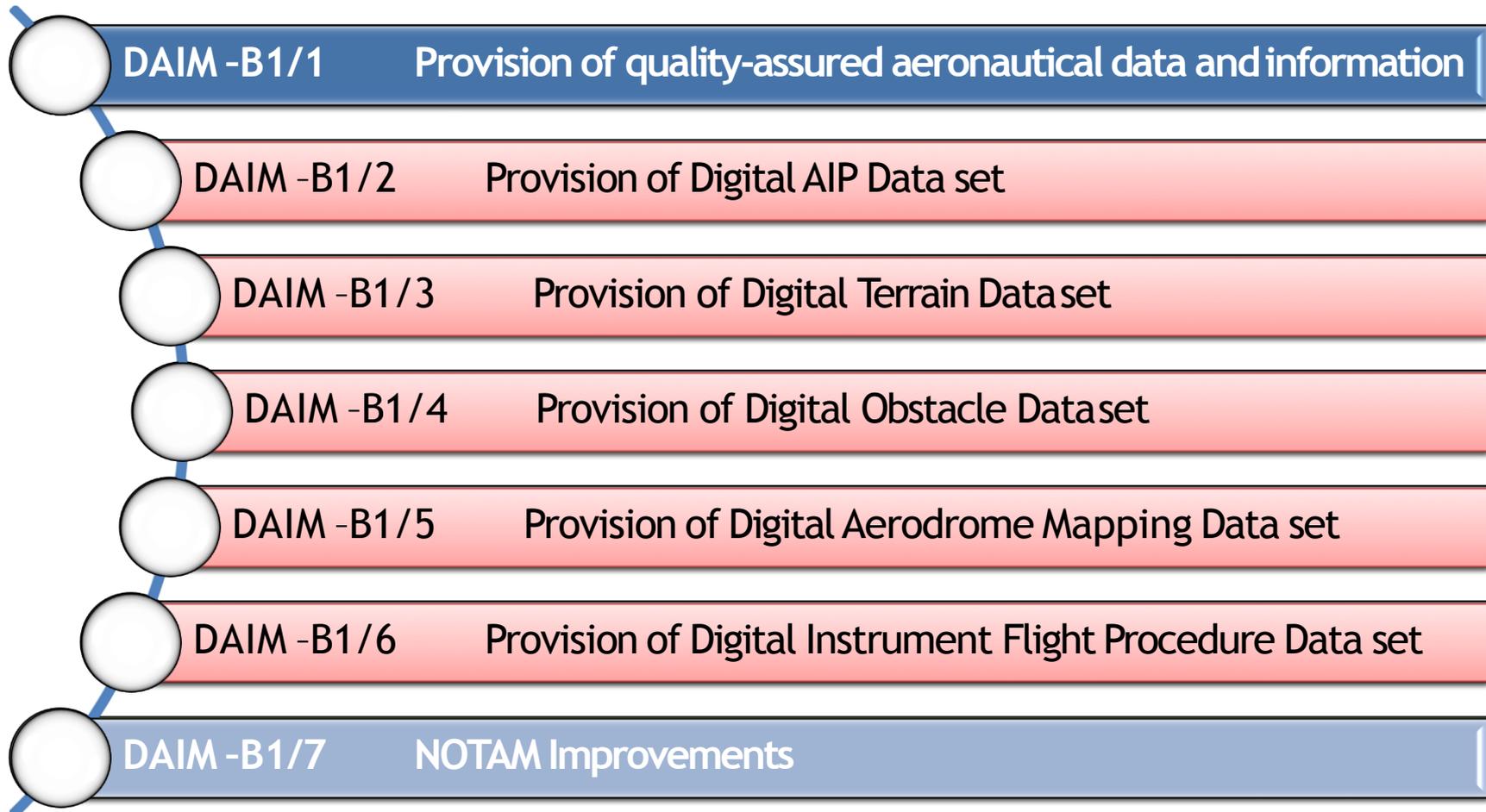


AIM in Block 1



- 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)

DAIM in Block 1



Functional Description



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



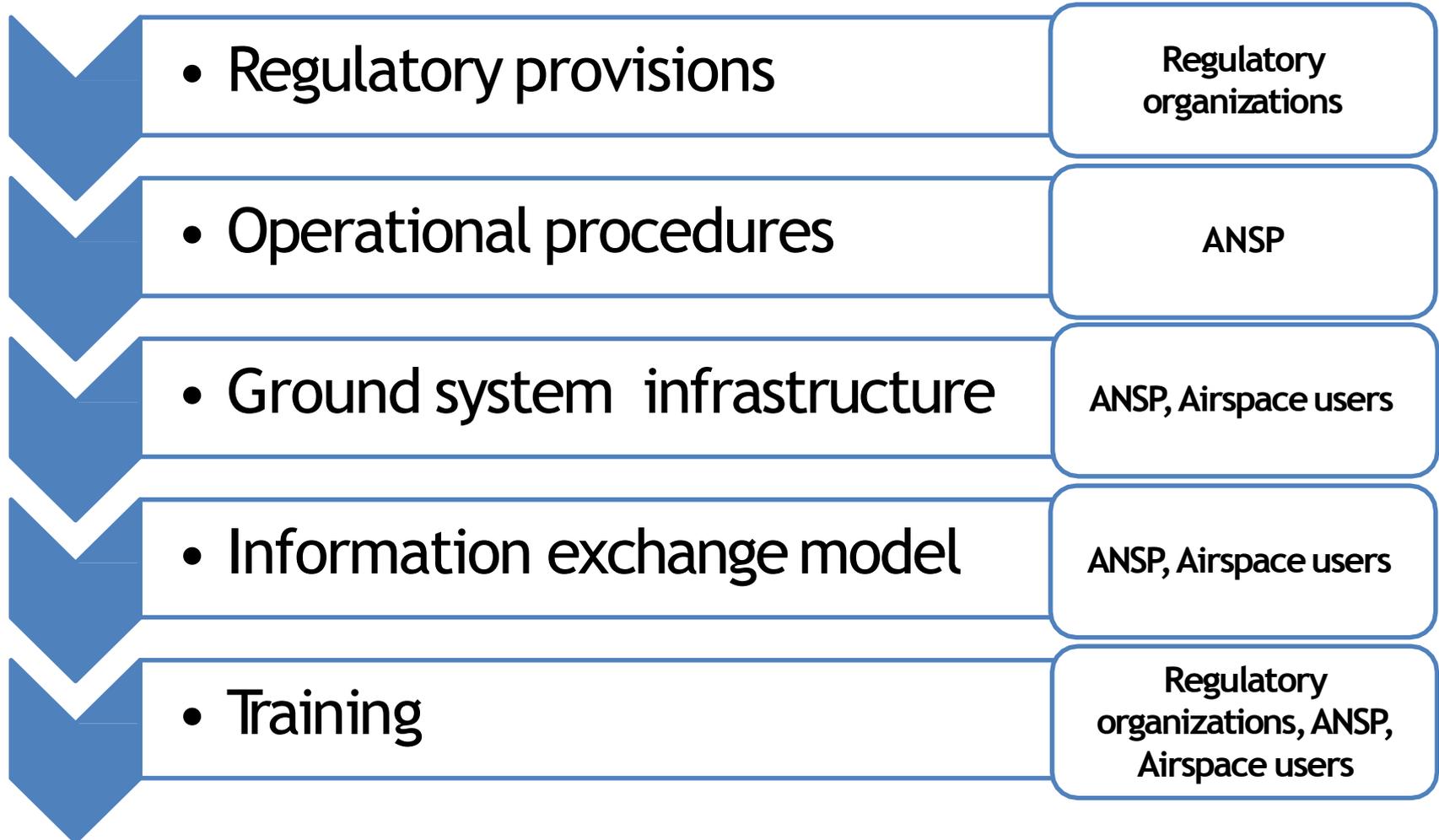
Maturity Level

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

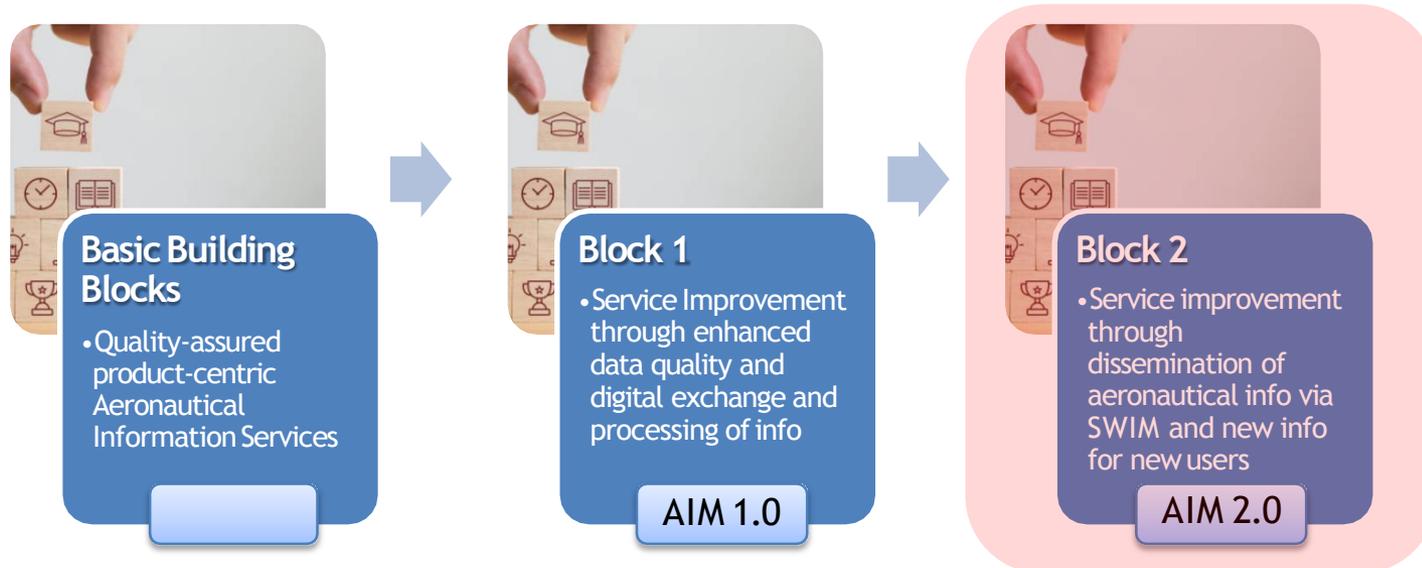


Human Factors: Does it imply a change in task by a user or affected others? Does it imply processing of new information by the user? Does it imply the use of new equipment? Does it imply a change to levels of automation?

Enablers

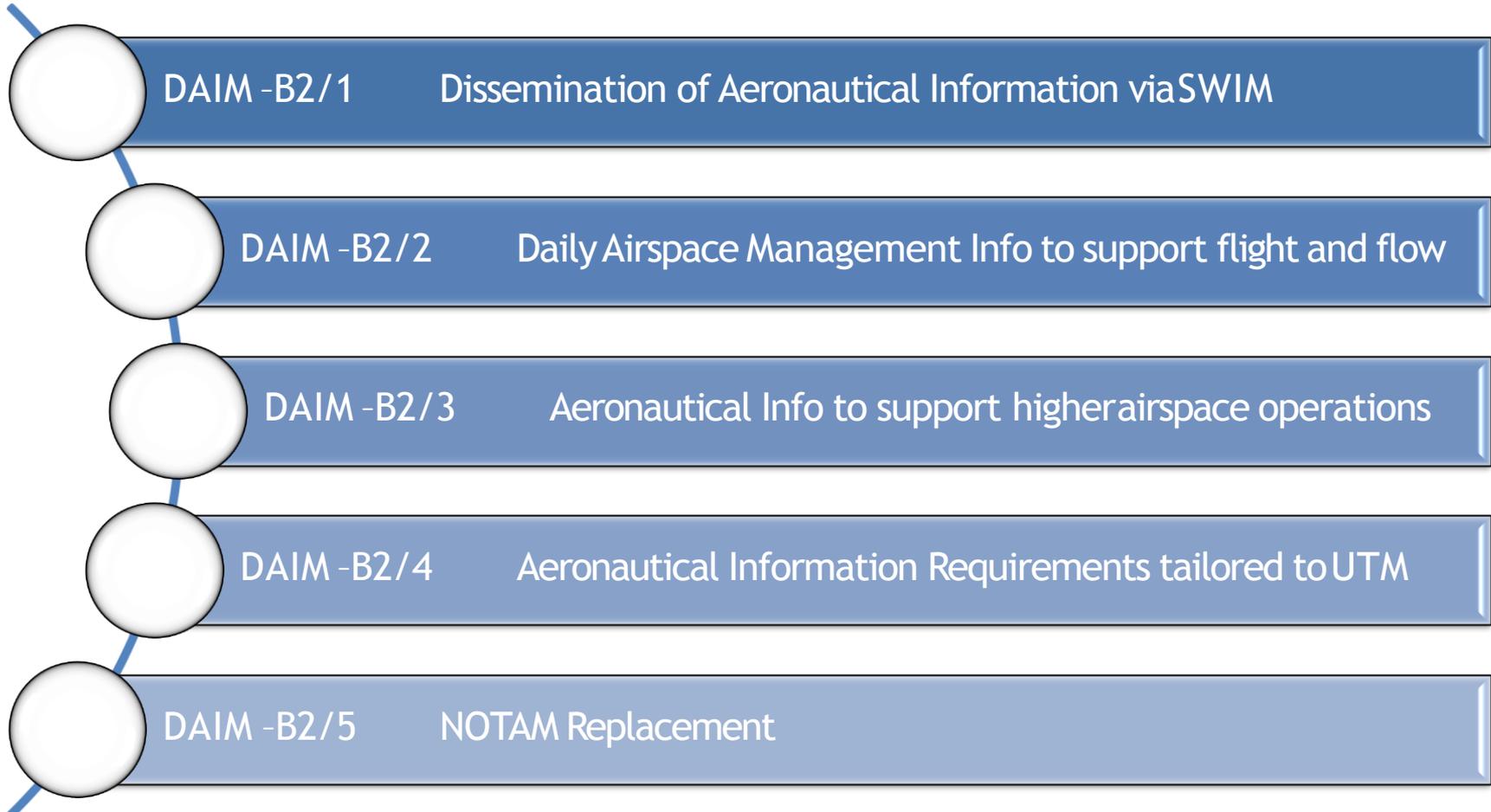


DAIM - B2 Module



- 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 in Block 2



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

ICAO 40th Assembly



ICAO

Endorsement



Global Air Navigation Plan (GANP), 6th Edition

Thank You / Merci
