Workshop on the management of Air Navigation Deficiencies & ASBU Monitoring

Overview of ASBU Monitoring Tool

September 2025

Outline

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- Access to the system
- Switching to AANDD or ASBU Applications
- ASBU Home page
- Threads & Modules
- ASBU Elements
- ASBU Implementation
- ASBU Dashboard
- ASBU Reports

Introduction

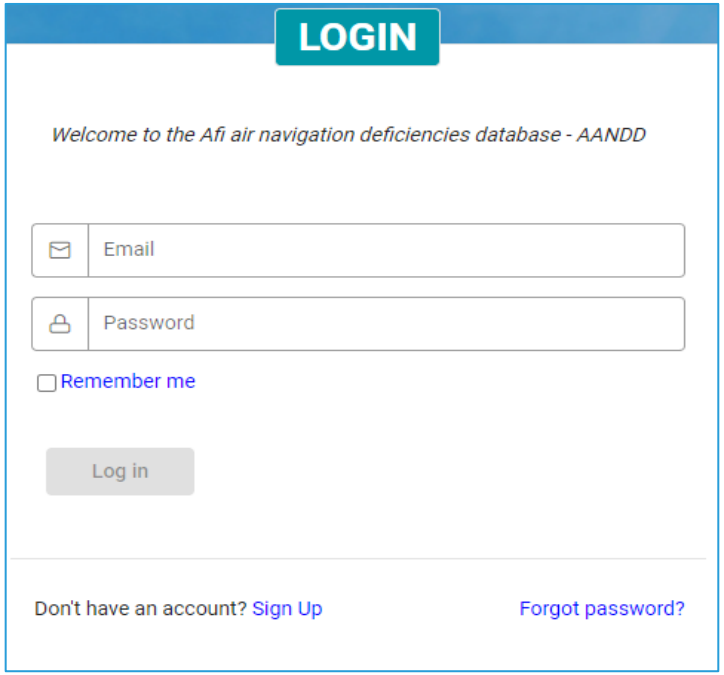
- The ASBU monitoring Tool offers functionalities including:
  - configuration of the ASBU concepts in the system,
  - reporting on planning and implementation of the ASBU elements by States,
  - generating dashboards and reports.
- The ASBU monitoring Tool is an Application of the AANDD platform accessible through the link: https://aandd.icao.int.

Access to the system - Users

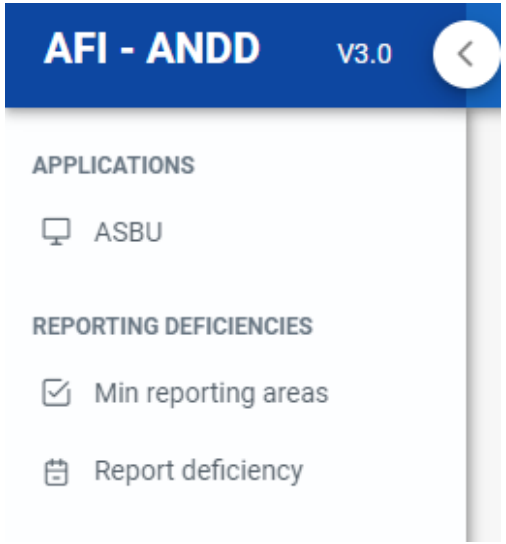
- The following users can have access to the system, provided they were nominated by their Administration/Organization:
  - ICAO Regional Offices users,
  - States users (Focal points and DGCA, ANSP users),
  - RSOOs Focal points
  - Users Organizations Focal points,
  - Professional Organizations Focal points.
- User must authenticate through a valid user account.

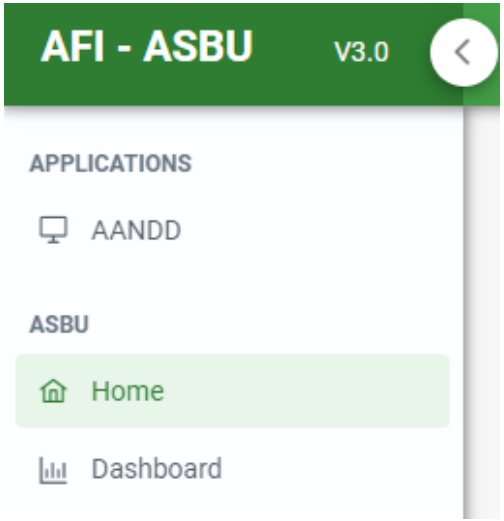
Access to the system - Login

- **Login** with your email and password
- Were you nominated by an Administration/Organization and you still don't have a user account in the system, then **Sign up**, and wait for the activation of your account by the system administrator.
- Did you forget your password, click on "**Forgot password?**" to reset it.



Switching to AANDD or ASBU Applications

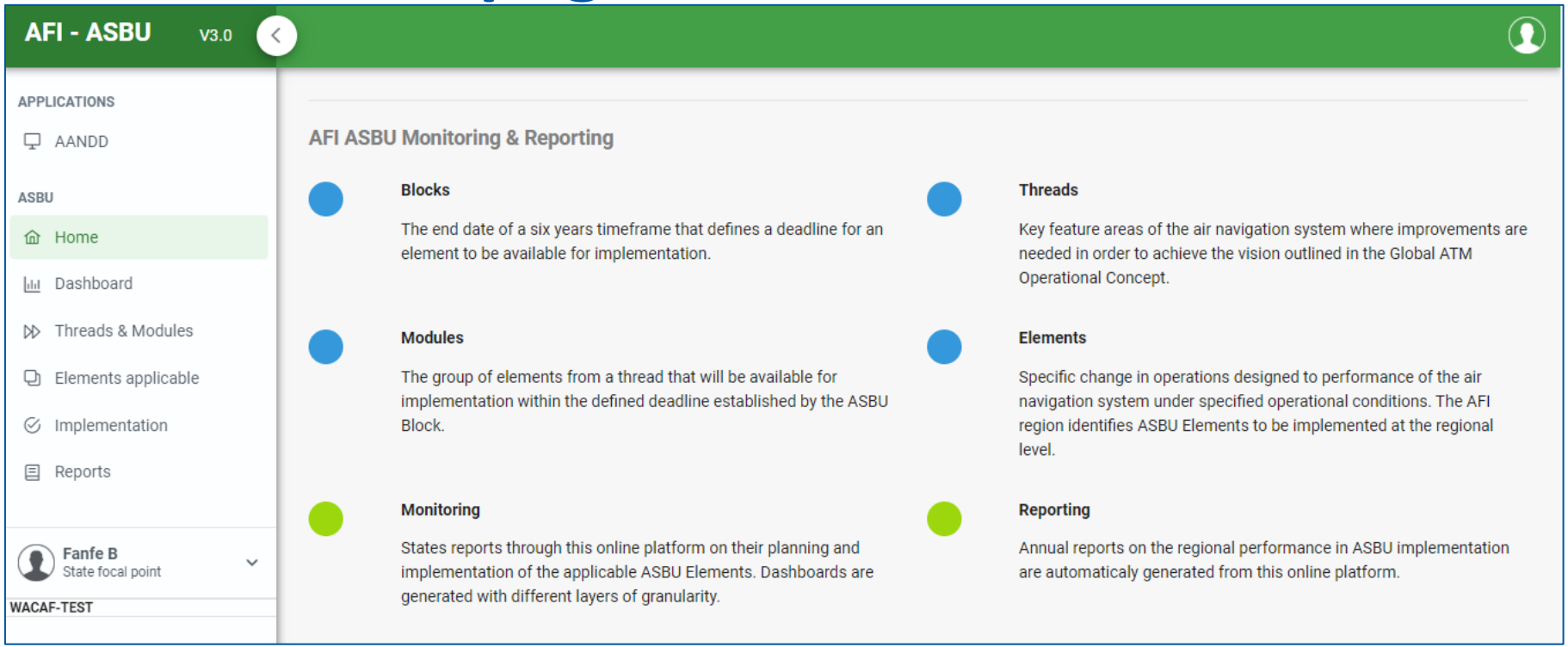




- Once the user is logged in, the default application is displayed as follows:
  - AANDD
  - ASBU

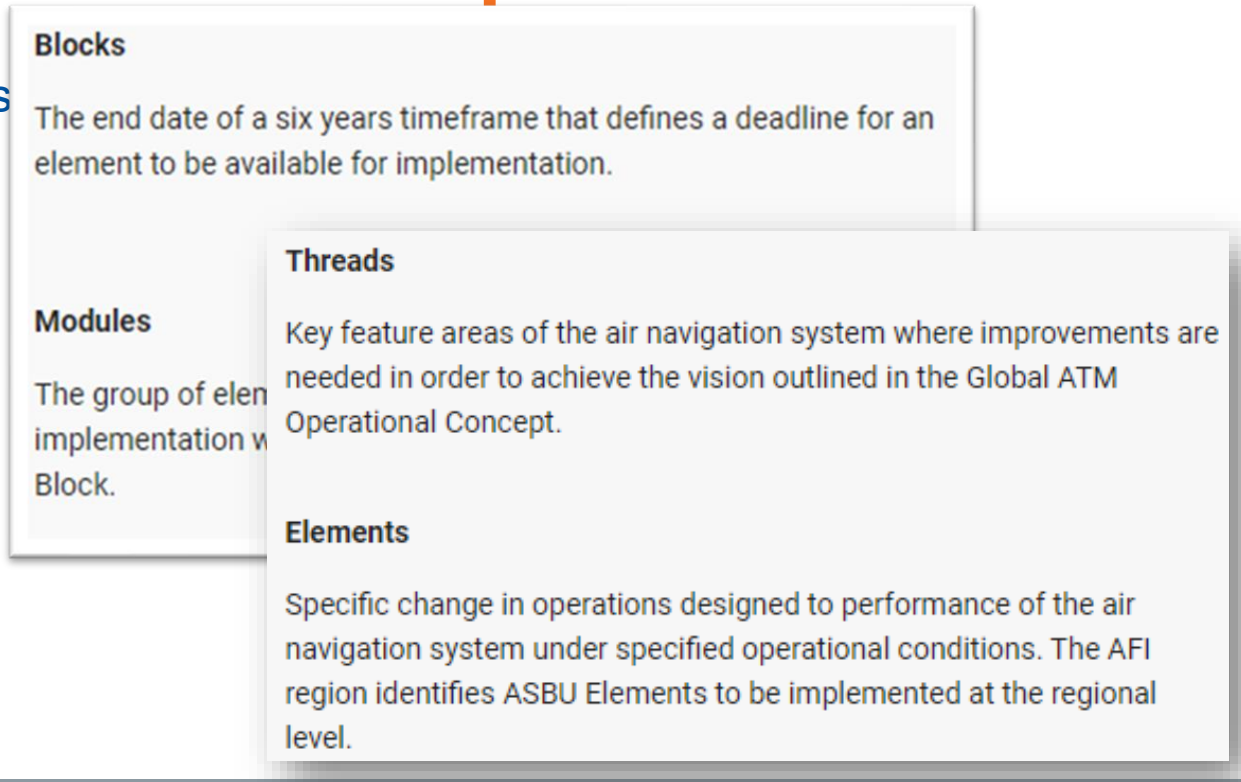
- Possible to switch to other application by clicking on the corresponding menu item under "**APPLICATIONS**" heading

ASBU Home page

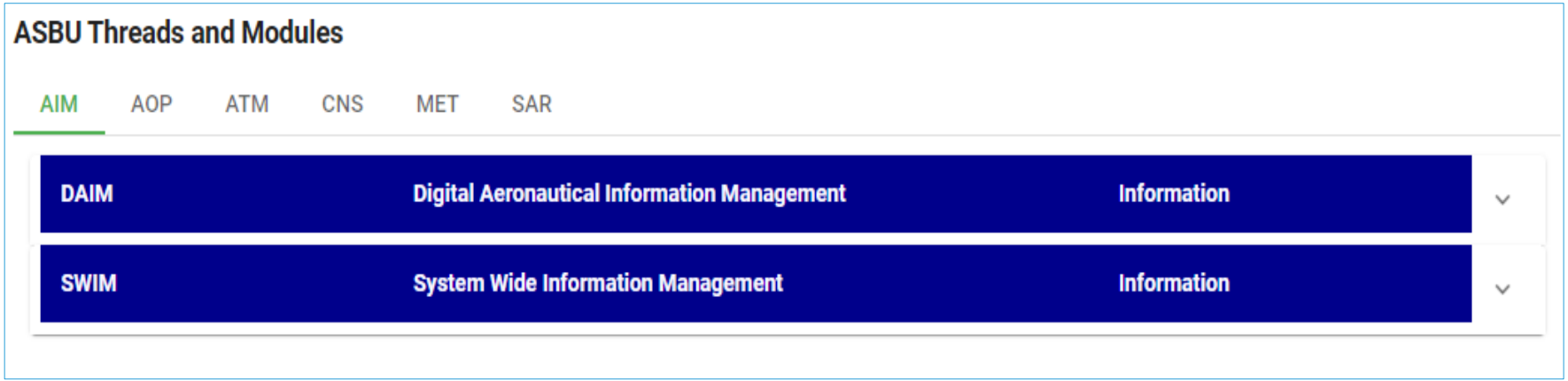


Home page – ASBU concepts

- The home page provides short description of following key ASBU concepts, with link to related menu items:
  - Blocks
  - Threads
  - Modules
  - Elements



Threads & Modules – ASBU Threads



- **ASBU Threads** are displayed through the menu item Threads & Modules. The list is organized by technical areas as follows: AIM, AOP, ATM, CNS, MET & SAR

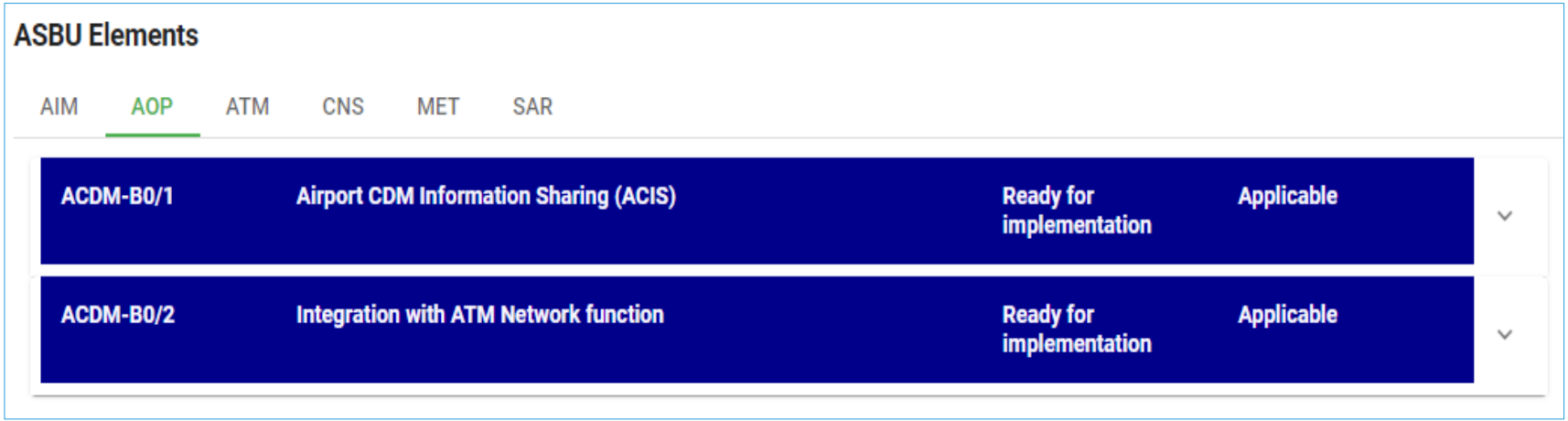
Threads & Modules – ASBU Modules

DAIM	Digital Aeronautical Information Management	Information

Module	Description
DAIM Baseline	Provision of aeronautical information services (AIS) is a State responsibility. States provide an Aeronautical Information Service that focuses on making available the following products: Aeronautical Information publication (AIP), Aeronautical Information Circular (AIC), Aeronautical charts, AIP supplements and NOTAMs.
DAIM-B1	Improved aeronautical information based on enhanced data quality (accuracy, resolution, integrity, timeliness, traceability, completeness, format) to support Performance-Based Navigation (PBN), airborne computer-based navigation systems and ground automation. In addition, digital exchange and processing of aeronautical information allows a more efficient management of information by avoiding reliance on manual processing and manipulation.
DAIM-B2	"The exchange of aeronautical information is now based on service orientation in accordance with the SWIM concept. Fully digital aeronautical information should be the standard and paper aeronautical information should have been abandoned. All airspace users and ANSPs are required to continuously provide and subscribe airspace constraint alerts so that any changes to any constraint are immediately available. Improvement in the position and time accuracy of the data. All airspace constraints have an applicability time, including static constraints. Additional aeronautical information is provided in support to network operations.

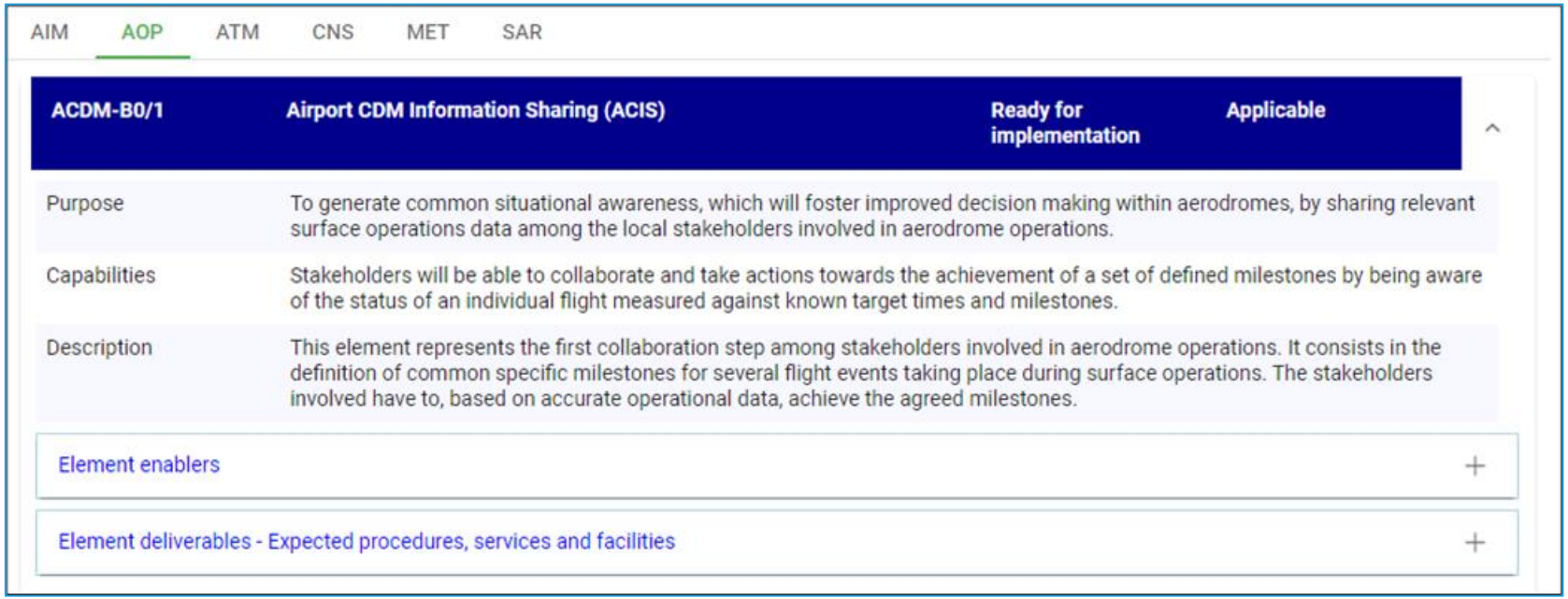
- **ASBU Modules** of a Thread are displayed by expanding the said Thread

ASBU Elements – Elements



- **ASBU Elements** are displayed through the menu item Elements applicable. The list is organized by technical areas as follows: AIM, AOP, ATM, CNS, MET & SAR

ASBU Elements – Enablers & Deliverables



- ASBU Elements are associated with **Enablers and Deliverables**. These features are accessible by expanding a given Element.

ASBU Elements – Enablers

Element enablers

Enabler code	Enabler name	Enabler reference	Stakeholders
ACDM-B0/1-ENB1	Surface operation milestones procedure	Reference: Manual on Collaborative Air Traffic Flow Management (ATFM) ICAO Doc 9971	Airport operator, ANSP, Aircraft operator, Ground handling agent
ACDM-B0/1-ENB2	ACIS system	A simple A-CDM dialog system to a more advanced A-CDM Information sharing platform (ACISP) to achieve A-CDM information sharing.	Airport operator, ANSP, Aircraft operator, Ground handling agent

- While ASBU Elements identify operational improvements, **ASBU enablers** are the different components necessary for their implementation.

ASBU Elements – Deliverables

Element deliverables - Expected procedures, services and facilities

Deliverable code	Deliverable name
ACDM-B0/1-DEL1	ACIS Platform
ACDM-B0/1-DEL2	A-CDM Procedures
ACDM-B0/1-DEL3	Apron Management

- The eANP volume III provides tables for collecting ASBU implementation data. The *Required Services/Facilities on these tables* are represented as **Element Deliverables**.

ASBU Implementation – Reporting

- States Focal Points report on their planning and implementation of ASBU Elements through the menu item Implementation.
- The list of ASBU Elements displayed is organized by technical areas as follows: AIM, AOP, ATM, CNS, MET and SAR.
- The implementation status is depicted in the following colors: Red for "Not started", Orange for "In Progress", and Green for "Completed".

ASBU Implementation – Reporting

ASBU Implementation

Wacaf-test

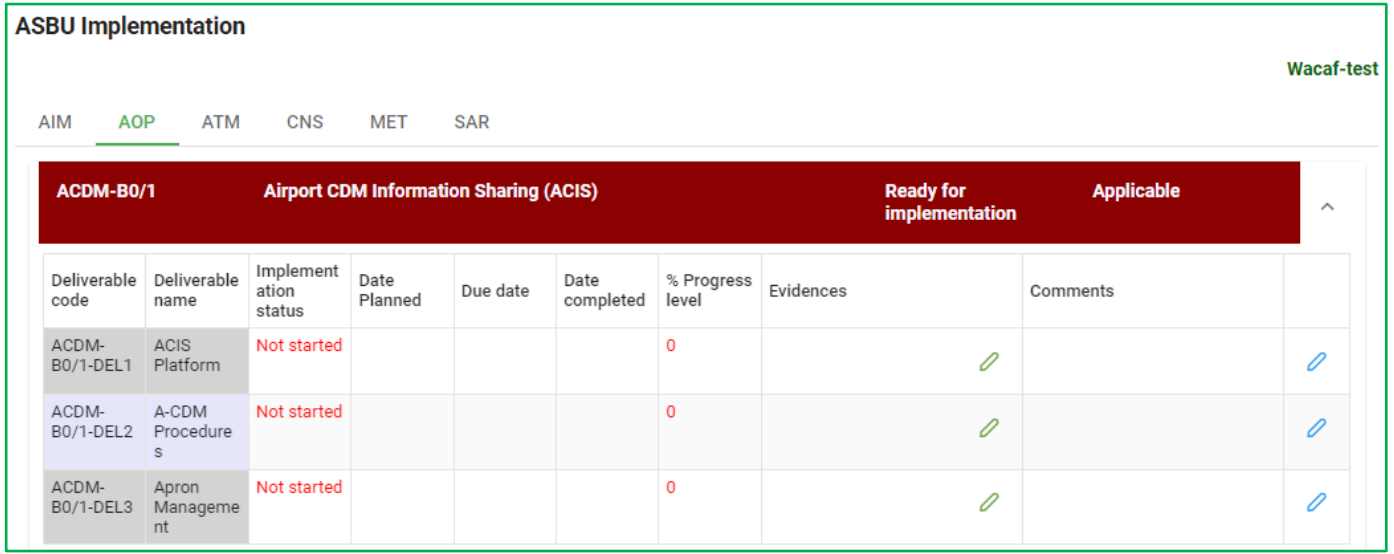
AIM | AOP | ATM | CNS | MET | SAR

DAIM-B1/1	Provision of quality-assured aeronautical data and information	Standardization	Applicable
DAIM-B1/2	Provision of digital Aeronautical Information Publication (AIP) data sets	Ready for implementation	Applicable
DAIM-B1/3	Provision of digital terrain data sets	Ready for implementation	Applicable
DAIM-B1/4	Provision of digital obstacle data sets	Ready for implementation	Applicable
DAIM-B1/5	Provision of digital aerodrome mapping data sets	Ready for implementation	Applicable

ASBU Implementation – Reporting

- Planning and implementation details of Deliverables of a given ASBU Element are displayed by expanding the said Element.

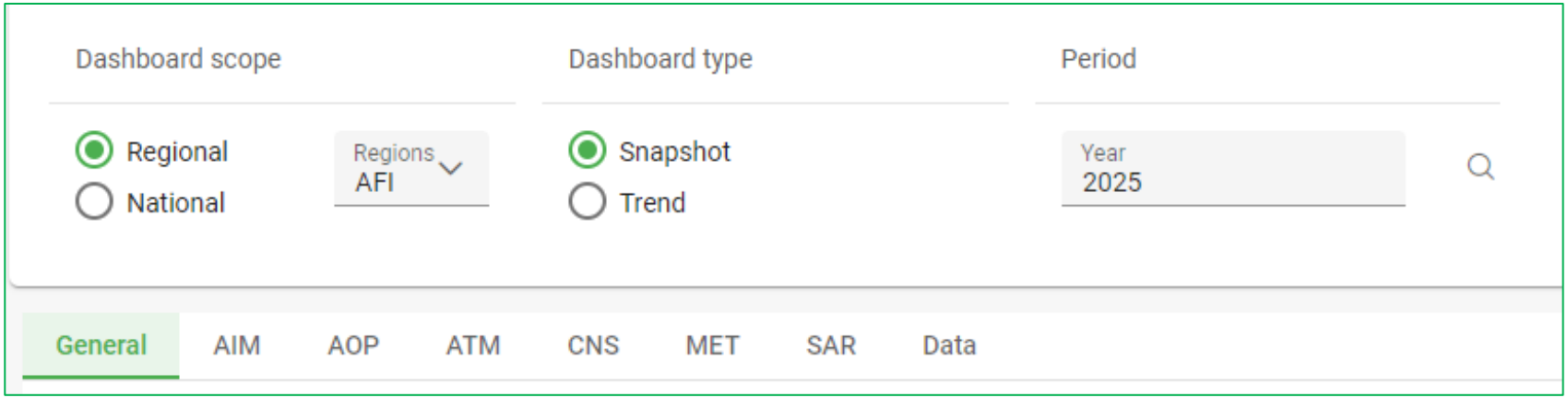
- To record data on implementation of a Deliverable, click on the blue "pencil"
- To attach evidence files, click on the green "pencil" icon.



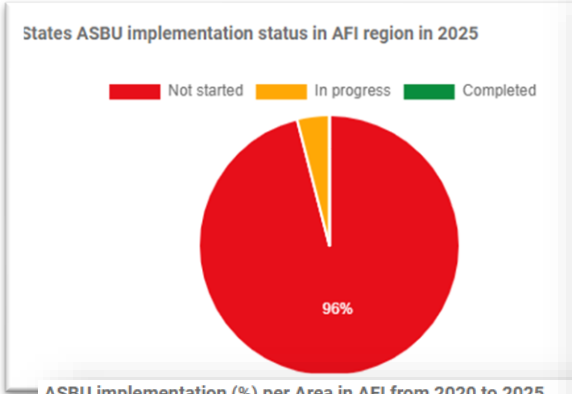
ASBU Dashboard

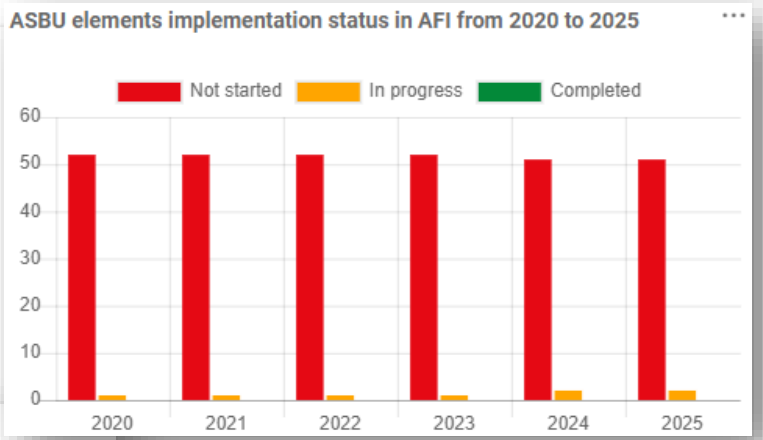
- The application generates **Dashboard** on ASBU implementation status in the region, accessible through the menu item Dashboard.
- Dashboard is composed of interactive graphs on ASBU planning and implementation per States, threads, elements, or technical areas.
- Dashboard can be:
  - of types: Snapshot or Trend,
  - of scopes: Regional of National,
  - for a given period,.

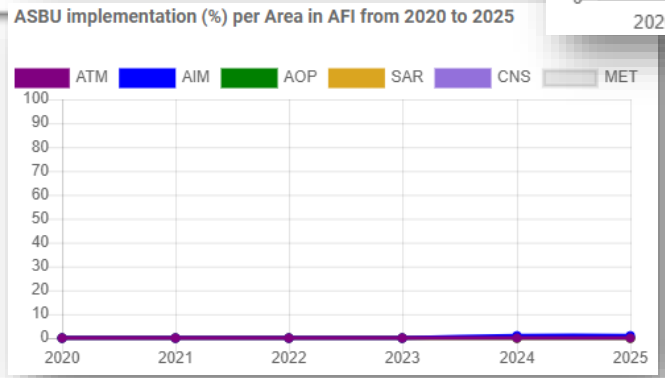
ASBU Dashboard - Filters



ASBU Dashboard - Graphs

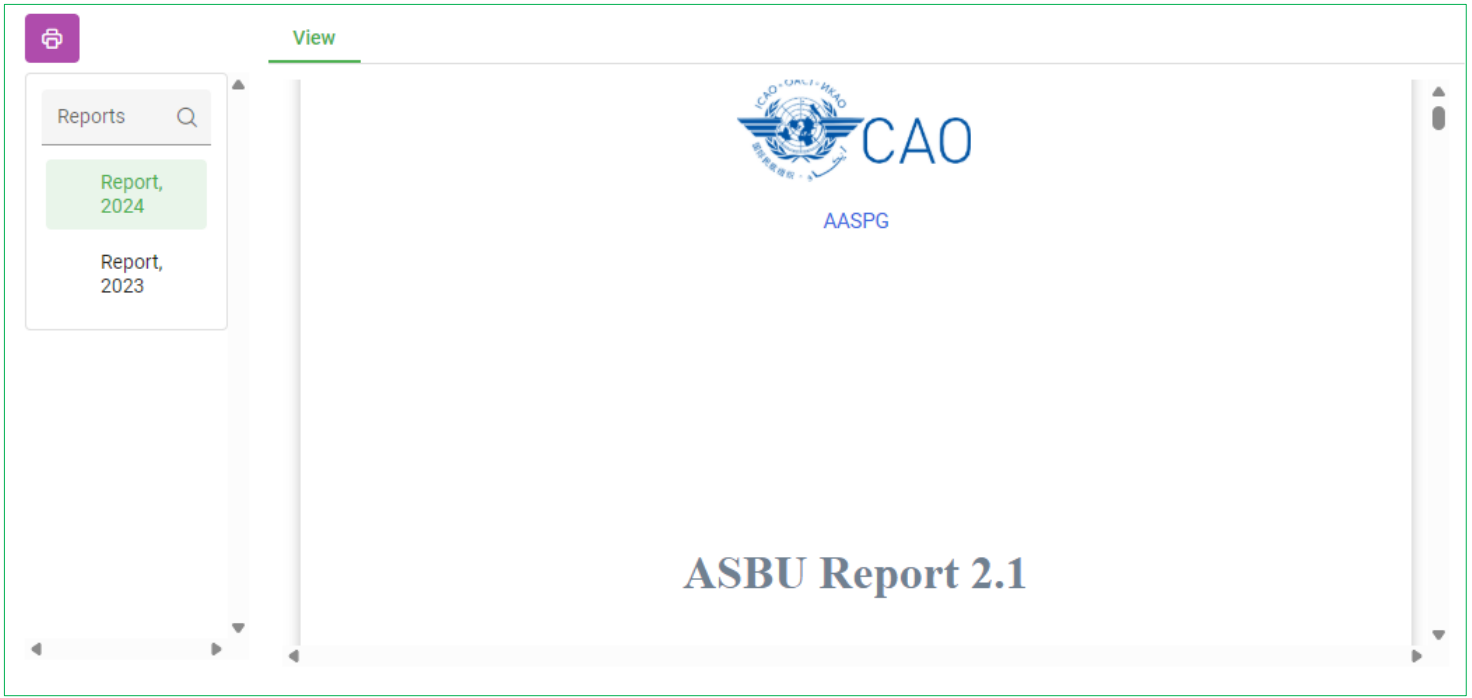






ASBU Reports

- Accessible through menu item Reports.
- Selected in the list “Reports”.
- Printed by click on the “Printer” icon.



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