



ICAO ESAF GANP 8th Edition and ASBU Implementation Data Submission Workshop

Windhoek, Namibia

23-25 June 2026

**INTERNATIONAL
CIVIL AVIATION
ORGANIZATION**



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ICAO ESAF Regional Officer: Environment/ Meteorology



ICAO ESAF Region: Member States



ICAO EASTERN AND SOUTHERN AFRICAN REGIONAL OFFICE

Introduction and latest developments on ASBU implementation in the Region

Regional Workshop — ICAO 8th Edition of the GANP and ASBU Elements



Windhoek, Namibia | 23–25 June 2026

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Presented by the ICAO ESAF Regional Officer: MET/ENV

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The GANP Portal

ganpportal.icao.int — the web portal where all aviation stakeholders find the most relevant information on the latest edition of the GANP, including the digital BBB and ASBU frameworks.



Global Strategic

The GANP Strategy document and vision, in all ICAO languages.



Global Technical

Digital BBBs, the ASBU framework and the Performance Framework (KPIs).



Regional & National

Regional ANPs and national planning templates, all in one place.

The ESAF Dashboard tracks our Region's progress against the very ASBU elements catalogued here on the Portal.



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 latest edition of the GANP



The Global Air Navigation Plan (Doc 9750)

The GANP is ICAO's highest-level air navigation strategic document — the plan that drives the evolution of the global air navigation system. Its content is organised in a four-layer structure so that no State or stakeholder is left behind.

Each layer aligns global, regional and national planning into one coherent framework.



1

Global Strategic

High-level direction for decision makers — a common vision and global performance ambitions.

2

Global Technical

Two frameworks — BBBs and ASBU — plus an associated performance framework.

3

Regional

ICAO Regional Air Navigation Plans (ANPs) aligning regional needs with global objectives.

4

National

State air navigation plans, coordinated with stakeholders and aligned with the regional and global levels.

Two frameworks: the foundation and the upgrades



Basic Building Blocks (BBBs)

The baseline

The essential air navigation services that **shall** be provided for international civil aviation, per ICAO Standards.

Defined in five service areas: AOP, ATM, SAR, MET and AIM — underpinned by CNS infrastructure.

An independent framework — a baseline, not an evolutionary step. Once delivered, the BBBs are the foundation on which every operational improvement is built.



ASBU Framework

The evolution

Aviation System Block Upgrades (ASBUs) — a scalable, performance-based set of operational improvements that build on the BBB baseline.

Delivers measurable performance benefits — capacity, efficiency, predictability, interoperability and reduced environmental impact.

States and PIRGs select and prioritise the elements relevant to their needs — exactly what the ESAF Dashboard helps us monitor.

What are ASBU elements?

The **Aviation System Block Upgrade (ASBU) framework** is the backbone of the ICAO Global Air Navigation Plan (Doc 9750).

- It organises air navigation improvements into structured, performance-based modules that States implement progressively.

*Tracking implementation across these **six domains** lets the Region measure progress, target support and report to the PIRG (AASPG) and its AAO and IIM Sub-Groups.*



AIM

Aeronautical Information Management



ATM

Air Traffic Management



CNS

Communications, Nav. & Surveillance



MET

Meteorology



AOP

Aerodrome Operations



SAR

Search and Rescue

Threads, Blocks and Elements

The digital ASBU framework organises operational improvements along **three dimensions**. Filtering by thread and block returns the specific elements a State implements and reports on.



Threads

Performance-grouped families of improvements (e.g. APTA, NOPS, SNET, FICE). The core organising concept of the digital framework.



Blocks

Maturity timeline **B0** → **B1** → B2 → B3 — successive, increasingly advanced steps of capability over time.



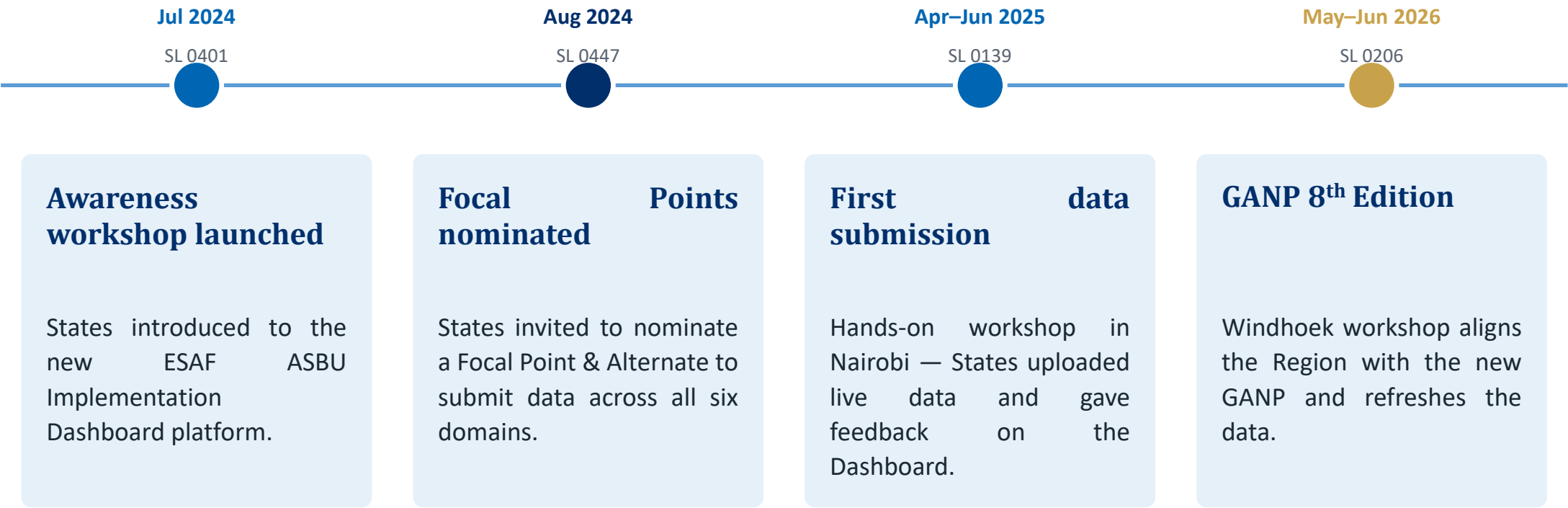
Elements

The implementable unit, e.g. APTA-B0/1. Each carries performance objectives and KPIs — and is what States report in the Dashboard.

Six air-navigation domains tracked by the ESAF Dashboard: AIM · AOP · ATM · CNS · MET · SAR

ESAF regional journey,

One State Letter at a time... — from 2024 to date.



From platform to practice — Nairobi, June 2025



16–19 Jun

Four-day hands-on data submission workshop



38

Participants engaged across the Region



10

ESAF States uploaded live data

States moved from observing the Dashboard to actively populating it — generating the first real picture of regional ASBU implementation and a rich set of improvement requests.

The ESAF ASBU Implementation Dashboard

An interactive, data-driven platform on the iSTARS4 portal where States upload and track their progress in implementing ASBU elements.



Replaces the Excel template

Responds directly to APIRG/25 Conclusion 25/11 — moving from quarterly spreadsheets to continuous, live reporting.



Six air-navigation domains

Visualises status across AIM, AOP/AGA, ATM, CNS, MET and SAR with heat maps and bar graphs.



A regional view

Aggregated data feeds the PIRG (AASPG), AAO and IIM Sub-Groups to guide capacity-building.



Driven by Focal Points

Two nominated FPs per State coordinate national stakeholders and submit the data.



HOME

CATALOGUE

INNOVATION HUB

ABOUT iSTARS

REGIONAL PORTALS

FAQ



SAFETY-USOAP



ENVIRONMENT



ASBU



ASBU MANAGEMENT



DATA COLLECTION TOOL



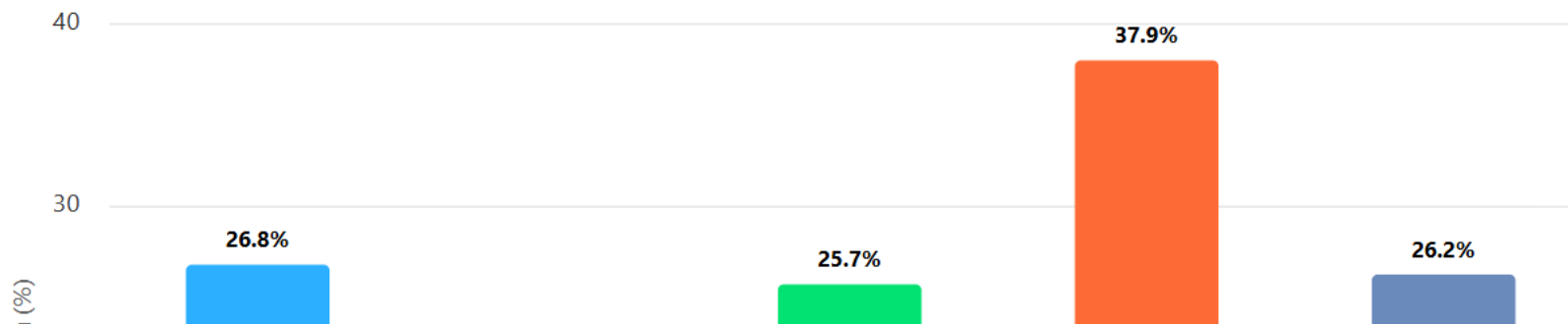
DCT ACCESS MANAGEMENT



Select an Area **MET** ▾

Select a Module **AMET-B1** ▾

ESAF ASBU Elements Implementation Status [AMET-B1]



Feedback from the 2025 Workshop



Clearer data visualization

Per-State dashboards on each profile; heat map recoloured red→green; distinct coding so N/A no longer reads as 0%; visualization for APTA, SURF and RSEQ.



Accuracy & completeness

Typo fixes (APTA CDO/CCO, NAV GBAS/SBAS), updated location indicators (e.g. FLND→FLSK), and missing modules added under COMS, COMI and APTA.



Export & harmonisation

Ability to download and export entered data in MS Excel, and harmonising DAIM items with the previously circulated spreadsheet.



Visualize the whole Region

States asked to view other States' graphs and maps (without access to attachments) to benchmark progress.

Transition to the GANP 8th Edition

The 42nd ICAO Assembly endorsed the 8th Edition of the Global Air Navigation Plan (Doc 9750).

- The Windhoek workshop aims to raise awareness to the Region on this new edition while continuing to strengthen monitoring and reporting of ASBU implementation.

Workshop objectives

- Overview of the GANP 8th Edition — its strategic direction and key features.
- Deepen participants' understanding of the ASBU framework.
- Submit or update each State's ASBU implementation data in the Dashboard during the workshop.

Ref: Workshop Programme



2026 Workshop At a Glance

HOST	Government of the Republic of Namibia
VENUE	Windhoek, Namibia
DATES	23–25 June 2026
DOMAINS	AGA, AIM, ATM, CNS, MET, SAR
BRING	Laptops — live data submission on site

Why we report on ASBU implementation

Submitting data to the Dashboard is not an administrative exercise — it is how the Region makes its progress visible, attracts support and meets its obligations to ICAO's governing bodies.



*The ESAF Regional Office uses Dashboard data to report directly to the **ICAO Council** and to the **PIRG (AASPG) and its AAO and IIM Sub-Groups**.*



Safety & oversight

Identifies gaps and deficiencies so support can be targeted where it is most needed.



Capacity building

Evidence of status unlocks technical assistance, investment and prioritisation.



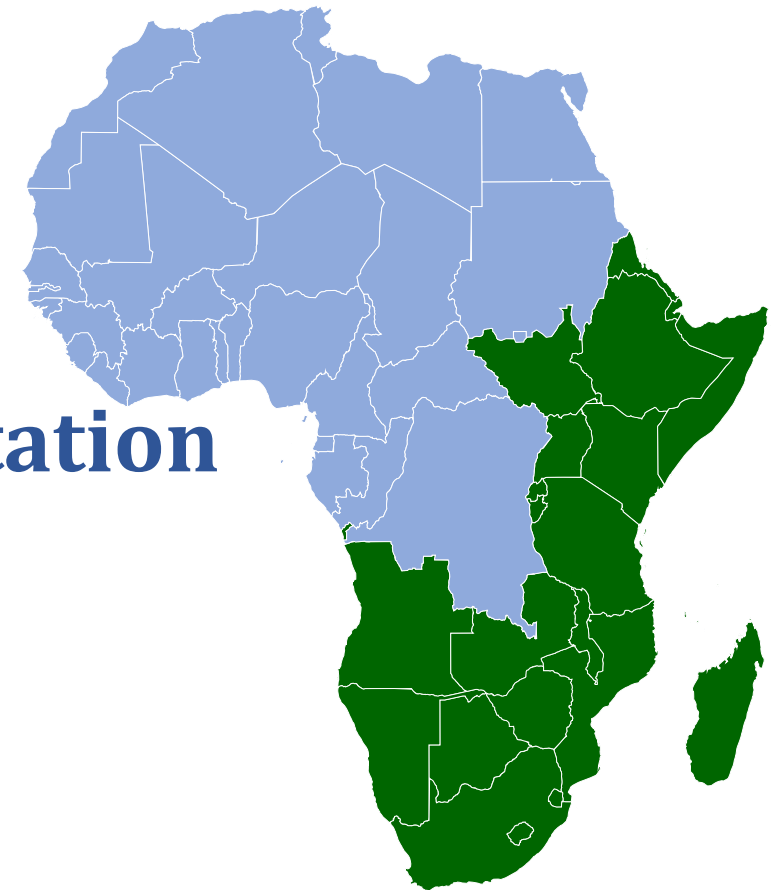
A sustainable system

Supports environmentally sustainable, efficient operations across the Region.

THE REGIONAL PICTURE

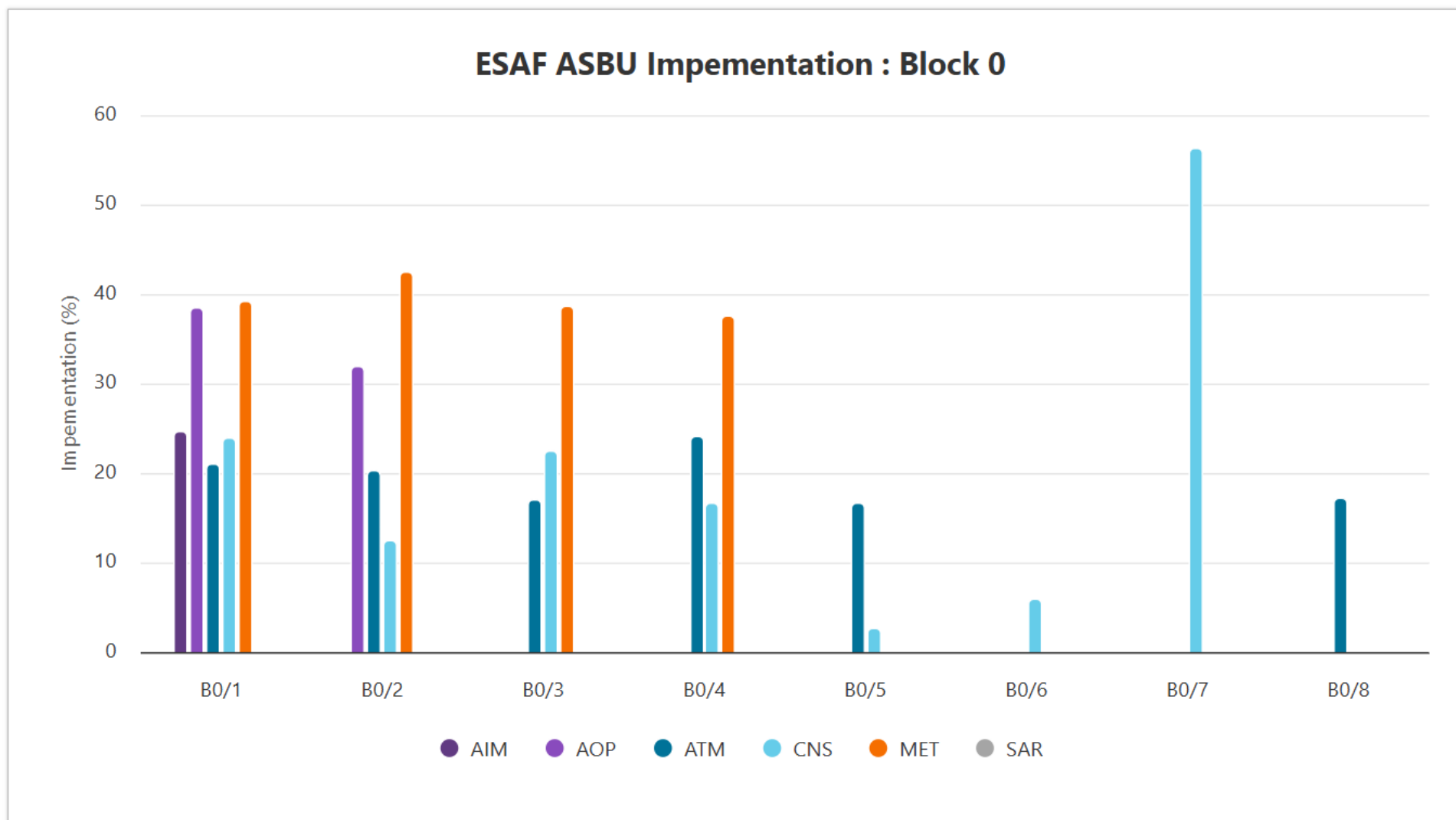
Current status of ASBU implementation in the ESAF Region

Status by element across AIM · AOP/AGA · ATM · CNS · MET · SAR

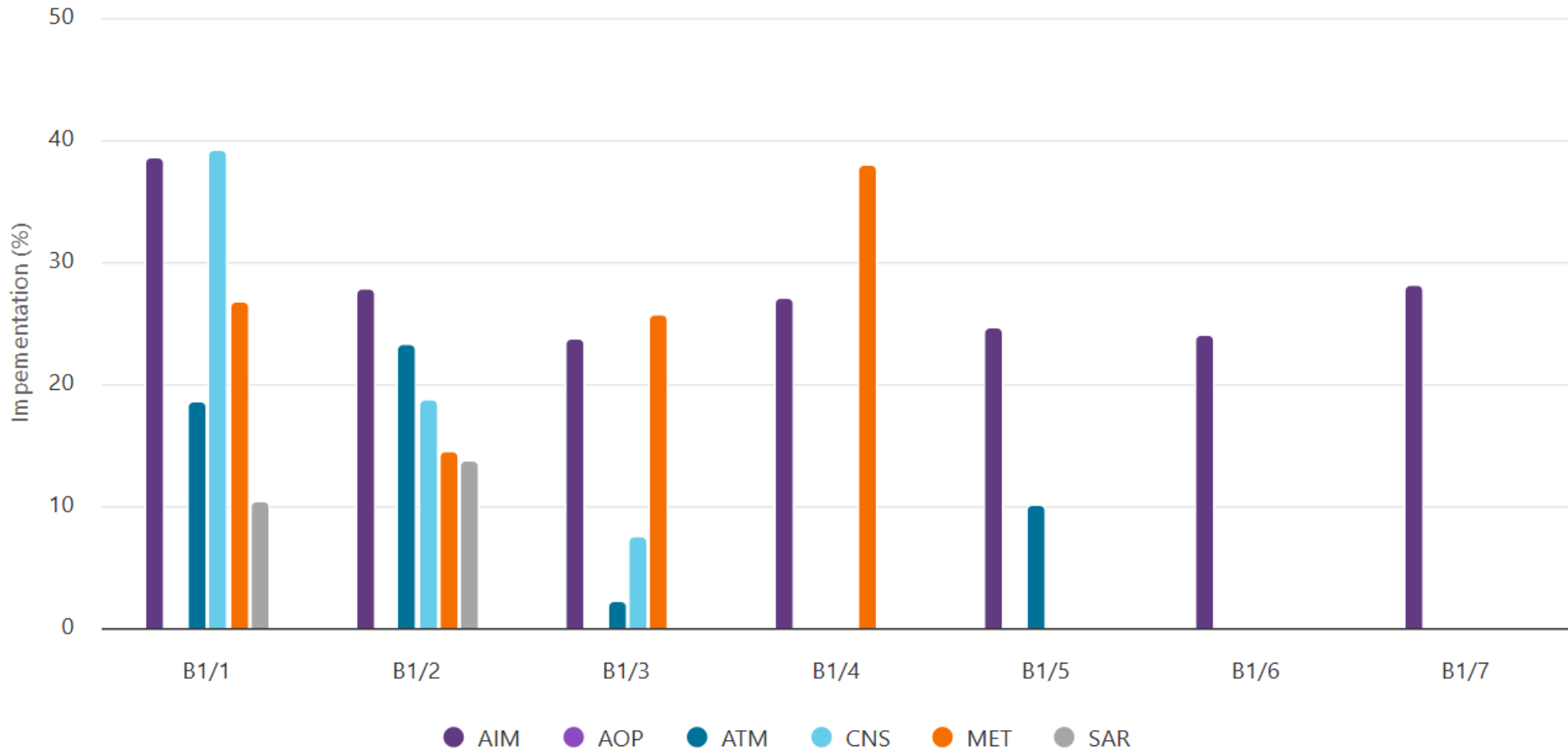


ESAF ASBU Impementation by Block

19



ESAF ASBU Impementation : Block 1



What we ask of every State this week

1

Focal Points

Focal Points (FP & Alternate) across all six domains

2

Coordinate

Gather complete, validated data from national stakeholders

3

Submit

Upload and update your State's ASBU data live in the Dashboard during the workshop.

4

Sustain

Keep reporting continuously — *the Region's picture is only as strong as its newest data.*

Thank You

