

Strategic deployment

Monitoring report 2024

Strategic deployment monitoring report 2024

ATM MP 2025 Monitoring

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1 Introduction

1.1 Purpose

The strategic deployment monitoring report provides an annual update on the progress of the deployment activities supporting the implementation of the European ATM Master Plan 2025 [Ref 3], ensuring alignment with performance ambitions and strategic vision.

1.2 Scope

The Strategic Deployment Monitoring Report aggregates information of executive relevance on the status of SESAR deployment covering the **industrialisation**¹ and **implementation**² phases (see **Error! Reference source not found.**).



Figure 1: Scope of the strategic deployment monitoring report

The strategic deployment monitoring report 2024 is the first report aligned with the new European ATM Master Plan 2025 and presents the aggregated information on the status of SESAR deployment progress up to the end of 2023.

The Strategic Deployment Monitoring Report is complemented by the strategic development monitoring report, which assesses the progress in development activities (up to TRL6).

¹ 'Industrialisation' refers to activities and processes, following their validation that include standardisation, certification and production by the manufacturing industry (ground and airborne equipment manufacturers).

² 'Implementation' refers to the procurement, installation, testing, training and putting into service of equipment and systems, including associated operational procedures, carried out by operational stakeholders.

2 European ATM Master Plan deployment progress

The roll-out of the European ATM Master Plan is divided into four overlapping phases (from phases A to D) for ensuring a smooth transition from today's ATM system to tomorrow's Digital European Sky.

Figure 2 illustrates the deployment status in relation to the Phases A to C of the European ATM Master Plan³.

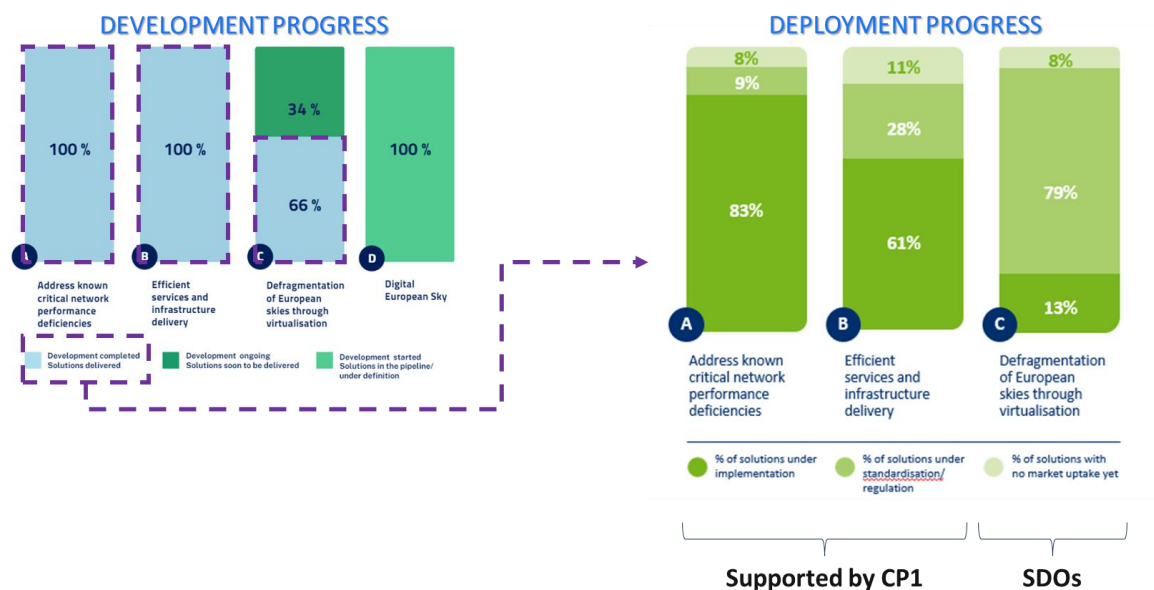


Figure 2: Deployment status in relation to the four phases of the European ATM MP

Phases A and B are both fully in deployment (i.e. completed from the development point of view). For phase A, 83 % of the SESAR Solutions are being implemented while industrialisation activities are under way for an additional 9 %. For phase B, these figures are respectively 61 % and 28 %. This underlines the critical importance of having the necessary standards and regulations in place to support the successful implementation of the Master Plan. The deployment of Phase A and B is supported by CP1 regulation⁴ (see section 2.1).

Phase C is defined by the Strategic Deployment Objectives (SDOs) -prioritised actions that need to be implemented by 2035 (see section 2.2). For phase C, 66% of SESAR Solutions are ready for deployment, while more SESAR solutions will become available in 2026.

³ Phase D development activities have just started in the Digital European Sky Programme and no deployment progress can be reported yet.

⁴ Commission Implementing Regulation (EU) 2021/116 of 1 February 2021 on the establishment of the Common Project One supporting the implementation of the European Air Traffic Management Master Plan

2.1 Common Project 1 (CP1) – Deployment progress

The SESAR Deployment Programme (SDP) Monitoring View [Ref 3] serves as the single point of reference for reporting the most detailed information on the **status of the CP1 Regulation**.

The report shows that the implementation of the CP1 regulation is progressing well, with **85% of implementation activities either completed or ongoing**. By the end of 2023, 42% of the CP1 regulation has been fully implemented. Figure 3 presents CP1 implementation status at the end of 2023.

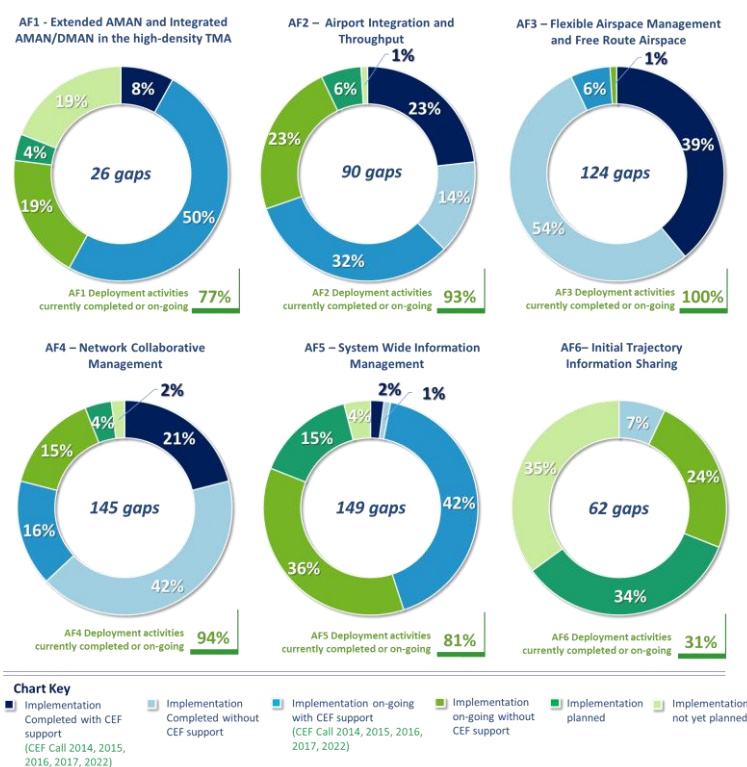


Figure 3: CP1 implementation status (end of 2023)

Monitoring of AF6 “initial trajectory information sharing” began in 2023 following a positive industrial readiness assessment. One-third of the identified gaps (i.e., the combination of the technical/operational elements to be deployed - SDP Families - and the geographical location (i.e., an airport or a country)) are expected to be addressed by the 2027 CP1 target date, facilitated by the ADS-C Common Service initiative.

2.2 Strategic deployment objectives – Deployment progress

The SDOs are prioritised actions selected following a process that evaluated the relevance and readiness of the supporting SESAR Solutions.

Promising signs of deployment progress were observed at the end of 2023 through the EUROCONTROL LSSIP+ process, with several early movers advancing the implementation of four SDOs. This included 13% of SESAR Solutions within the SDOs which are already under implementation.

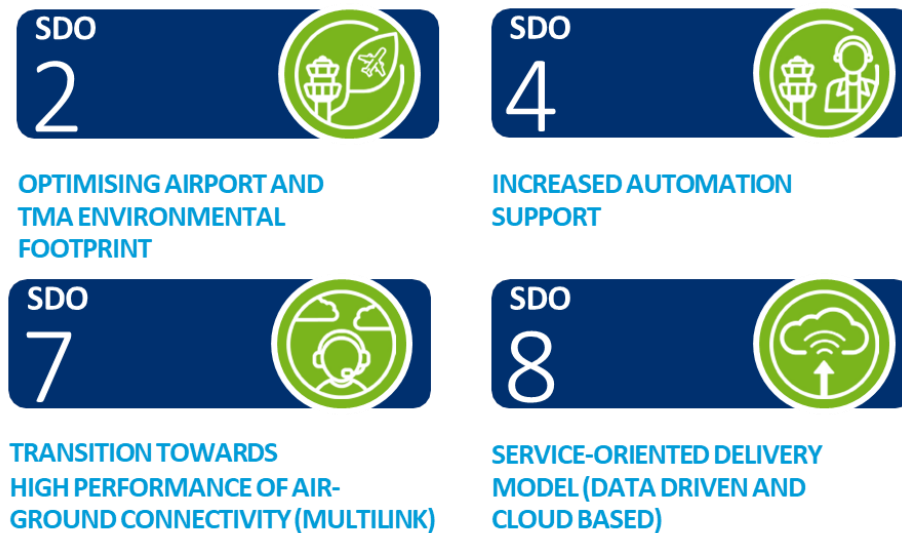


Figure 4: SDOs related to market uptake by early movers

At the same time 79% of the SDO related SESAR Solutions delivered by R&I still remain in the industrialisation phase (see figure 2). It is worth noting that, as of December 2023, 8% of the SDO-related solutions lacked market uptake (see figure 2). That said, stakeholder interest in including these solutions in the scope of SDOs during the Master Plan update campaign suggests uptake is likely to grow in the coming years.

3 Way forward

The year 2025 will be a transition year, with a focus on a collective strengthening the ability to monitor the implementation of the European ATM Master Plan 2025 at the strategic level.

The 2025 monitoring cycle will prioritise improvements in the following areas:

- Tracking SDO implementation by early movers;
- Monitoring the alignment of investments with the European ATM Master Plan;
- Integrating data from EASA (e.g. U-space, other regulations) and EUROCAE (standardisation) to provide a more comprehensive strategic view of deployment.

4 References

- [Ref 1] European ATM Master Plan – 2025
- [Ref 2] Commission Implementing Regulation (EU) No 409/2013, amended by Commission Implementing Regulation (EU) 2021/116, on the definition of common projects, the establishment of governance and the identification of incentives supporting the implementation of the European Air Traffic Management Master Plan.
- [Ref 3] The Deployment Programme (DP) Monitoring View 2023, sourced by the SESAR Deployment Manager (SDM)

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