



SDP Monitoring View 2023



20th June 2024



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Control sheet

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Executive Summary

The SDP Monitoring View represents the single point of reference for reporting the most detailed information on the status of the CP1 Regulation. In this 2023 edition, the document presents the status as of December 2023, bringing together ground and airborne-related information received from the CP1 Operational Stakeholders: ANSPs, AISPs, Airport Operators, MET Providers, Airspace Users and Network Manager. It provides several views to show the overall progress of deployment, the progress of specific technological or operational elements, the status of individual stakeholders and detailed overviews on a country-basis.

The report shows that 42% of CP1 Regulation is already implemented and an additional 43% on-going, totalling an amount of 85% of the entire CP1. The deployment status has increased from the 2022 figures, when 76% of the activities were either completed or on-going. The implementations with no specific deployment plans have also decreased in the last year from 9% to 6%.

On top of the 6 SDP Families with a regulatory deadline set in December 2022, 3 additional SDP Families have reached their regulatory deadline in December 2023. As a matter of fact, 89% of gaps which had to be addressed by 2022 and 2023 were completed. Out of the 28 gaps exceeding the target dates, 23 of them are expected to be completed by December 2024, reaching 98% for those 9 SDP Families.

Moreover, the following facts can be highlighted:

- 5 SDP Families are fully deployed by 31st December 2023:
 - Family 3.1.1 - *Airspace Management and Advanced Flexible Use of Airspace*
 - Family 3.1.2 - *Management of Predefined Airspace Configurations*
 - Family 3.2.1 - *Initial Free Route Airspace*
 - Family 4.1.1 - *Enhanced Short Term ATFCM Measures*
 - Family 4.2.1 - *Interactive Rolling NOP*
- Regarding the two Families with an upcoming implementation target date set in December 2024:
 - Family 1.1.1 - *Arrival Management Extended to En-route Airspace* – It is expected that the implementation will be fully completed in 7 Airports by the end of 2024, with a potential completion rate of 35%.
 - Family 5.1.1 - *Common SWIM PKI and cyber security* – It is expected to be timely completed by December 2024. In fact, the call for tender was launched in 2023 to select a contractor to perform day-to-day EACP operations.
- With regard to AF5 Families, even if most of the implementations have been reported ongoing and the provision of vast majority of NM services has already been completed, the implementation of AF5 – SWIM presents the highest number of gaps foreseen to be completed beyond the CP1 regulatory deadline (31st December 2025).
- The implementation of AF6 started to be monitored from this Monitoring Exercise following the positive assessment of the industrial readiness. Half of the countries have no dedicated plans yet, however one third of the gaps is expected to be completed within the CP1 target date by 2027, thanks also to the ADS-C Common Service Initiative.

The information contained in the report confirms that the SESAR Deployment Phase can be considered well underway. Based on these results and in order to continue this steady pace, the implementation of the following SDP Families must be considered a priority:

- Family 1.2.1 - *AMAN/DMAN integration*
- Family 2.2.2 - *Extended AOP*
- Family 4.4.1 - *AOP/NOP Integration*
- Family 6.1.1 / 6.1.2 - *Initially A/G Trajectory Information Sharing (Airborne / Ground)*
- Family 6.3.1 - *Initially Trajectory Information Sharing Ground Distribution*

To get an overview of the CP1 implementation for each applicable area, refer to the Appendix "Current status of CP1 deployment – Aggregated View per Applicability Area".

Introduction

What is the Monitoring View?

Since its first edition, the yearly releases of the SESAR Deployment Programme Monitoring View have represented the single point of truth for reporting the most detailed information on the status of the Common Projects, the cornerstone of SESAR Deployment in Europe since 2014, supporting the implementation of the European Air Traffic Management Master Plan.

The Pilot Common Project (PCP) Regulation (EU) 716/2014 was the reference for the elaboration of the SDP Monitoring View reports until its 2020 Edition. The adoption by European Commission in February 2021 of the Implementing Regulation no. 2021/116, Common Project One (CP1), amending Commission Implementing Regulation (EU) 409/2013 and repealing PCP Commission Implementing Regulation (EU) 716/2014, as well as the subsequent elaboration of the SESAR Deployment Programme (SDP) 2022, marked all together a key step towards a new Deployment Phase of SESAR.

The SDP 2022 acts as the common reference workplan to ensure local investments are fully coordinated and harmonised at European level, encompassing all information, roadmaps, references and guidance for Stakeholders involved in the CP1 implementation. It was approved on 12/08/2022 by the College – Decision C(2022)5748 – in accordance with Articles 11 and 12 of Regulation (EU) 409/2013.

The CP1 Regulation and the SDP 2022 are the references for this edition of the SDP Monitoring View 2023, which is presenting the status of implementation of CP1 as of December 2023.

This report:

- **helps Stakeholders to coordinate their future investments, whilst also identifying potential delays and avoiding significant gaps towards the full CP1 implementation;**
- **brings together ground and airborne-related information, providing an updated snapshot of the current status of CP1 implementation;**
- **provides several views to show the overall progress of deployment, the progress of specific technological or operational elements, the status of individual Stakeholders and detailed overviews on a country-basis.**

Close to ten years after the beginning of this Deployment Phase, the modernisation of the European ATM systems and infrastructure is an operational reality. More importantly, it is already delivering its expected performance benefits to the Aviation community, to its Stakeholders and in turn to European passengers. The continuous commitment of the operational Stakeholders on this modernisation journey, attested by the deployment progress achieved within the CP1 regulatory framework, is decisive.

In order to better streamline and synchronise the implementation activities across Europe, the SESAR

Deployment Programme includes a constantly evolving reporting mechanism, which monitors all implementation activities associated to the ATM functionalities of the SDP, allowing for a comprehensive understanding of how deployment is moving, and tracking the overall progress of the CP1 implementation.

More specifically, any effective effort towards synchronisation of the CP1 deployment has to rely on the monitoring of all implementation initiatives launched by operational Stakeholders impacted by the CP1: such monitoring is not only limited to Implementation Projects deployed under SDM coordination and benefitting of EU funding support, but also involves any other deployment activities undertaken by local Stakeholders and aiming at implementing technological and/or operational elements within the SESAR Deployment Programme scope, helping to comply with the requirements set forth by the Regulation (EU) n. 2021/116.



Figure 1 - The SESAR Deployment Programme and the associated Guidance

Monitoring the full picture of the SDP deployment also allows the identification of those activities that still need to be undertaken to achieve the full CP1 implementation across Europe, also ensuring the adequate level of involvement of the requested Stakeholder categories.

Collecting information from the relevant operational Stakeholders allows to build dedicated views per Stakeholder (i.e., what is left for each Stakeholder to do to comply with the CP1 Regulation), and the overall status of the implementation gap (what's left in the specific airport or country to fully implement the Family).

The 2023 Monitoring View is therefore organised into the following sections:

- Section 1, which provides a high-level overview of the status of CP1 ground deployment in Europe. Specifically, it identifies all activities that have already been completed, those currently in progress and/or planned, as well as the implementation areas that have not been planned yet. On the basis of the inputs gathered during the Monitoring Exercise from the operational Stakeholders, this section also provides the overall roadmap towards full deployment, at Family, AF, and CP1 level, thus building a high-level plan to meet the Regulation deadline;
- Section 2, which provides the full detailed picture of the implementation status of CP1 – clustered by SDP Family – in each airport or country, whilst also presenting a dedicated view per Stakeholder category for ground Stakeholders;
- Section 3, which provides the implementation status of CP1 with regard to Airspace Users;
- the document is finally complemented by a dedicated Appendix, which – building on the same input underpinning the view per Family and Services included in Section 2 – provides a view per Applicability Area, illustrating the status of the SDP Families and SWIM-based services within each country included in the geographical scope of Regulation (EU) n. 2021/116 and with regard to Network Manager and to Maastricht Upper Area Control Centre (MUAC). The Appendix also lists the relevant SDM-coordinated Implementation Projects contributing to move the deployment forward within each country.

Finally, Stakeholders have been asked for additional information on technological elements when the specifics of their technical implementation required so. Such integrations focus on the following Families:

- Family 1.1.1 – *Arrival Management Extended to en-route Airspace* – Thanks to the additional information provided by ANSPs through the dedicated Extended AMAN Questionnaire, detailed maps were built to display the implementation status of the connections established with the ACCs within the 180 nm at FL245 and FL315 from the arrival airports;
- Family 3.2.2 – *Enhanced Free Route Airspace Operations* – ANSPs provided specific data on FRA implementation, shown on the dedicated tables per Country;
- Family 5.6.1 – *Flight Information Exchange services*: in the framework of the NM / SDM FF-ICE initiative, ANSPs were requested to provide additional information (through a dedicated FF-ICE-R1 Questionnaire) on the implementation plans for the provision of ATS services in ACCs, Approach control units and Aerodrome Control Towers, in order to build an overall European Roadmap for the FF-ICE-R1 implementation. These additional inputs were used to align the reporting of FF-ICE services accordingly.

As a result, specific charts complement the Family Views included in Section 2.

Key principles underpinning the SDM Monitoring Exercise

The elaboration, maintenance and periodic update of a consistent view on the status of implementation of all technological and operational elements included within the CP1 scope relies on the close cooperation between the SESAR Deployment Manager and the operational Stakeholders directly impacted by the Regulation, as well as on the support of the European Defence Agency.

In fact, a dedicated exercise is required to support the gathering of such an extensive amount of data and ensuring the adequate level of detail to support and steer the synchronisation of the deployment efforts and investments across Europe. This exercise was carefully designed to be performed on a yearly basis, to engage all operational Stakeholders, making sure that all relevant information is correctly harnessed and considered.

With the aim to monitor all CP1 implementation activities in Europe, either with or without CEF funding support, information has been collected and assessed from all operational Stakeholders (ANSPs, AISPs,

Airport Operators, Airspace Users, Network Manager, MET providers and Military), on the status and expected completion dates of the relevant Deployment Milestones as defined by the SDP 2022.

The technical/operational elements to be deployed, as well as the geographical location (e.g., airport or country¹) where the Family shall be deployed are defined as *implementation gaps* - representing what is deemed necessary to ensure the complete and timely implementation of the related Family, Sub-AF, AF and then of the overall CP1. An implementation gap is defined by the combination of the technical / operational elements to be deployed (i.e., the SDP Families) and the geographical location where it shall be deployed (i.e., an airport or a country). According to the provisions of CP1 Regulation and of the SESAR Deployment Programme, there are also specific Families whose implementation is also mandatory for Airspace Users and the Network Manager.

According to the scope and provisions of the SESAR Deployment Programme, the CP1 implementation gaps are clustered into 2 key categories, on the basis of their geographical scopes: the ground gaps (airport gaps, country gaps, NM gaps and EU-wide gap) and airborne gaps for Airspace Users.

Due to the specific features of the SDP Family 5.1.1 - Common SWIM PKI and cybersecurity and their purpose of deploying SWIM Common components, the monitoring of the related deployment activities is reported with a single and coordinated EU-wide approach.

		Airport Gaps	Country Gaps	AU Gaps	NM Gaps	EU Gaps
AF1	1.1.1 Arrival Management extended to en-route airspace	✓				
	1.2.1 AMAN / DMAN integration	✓				
AF2	2.1.1 Departure Management Synchronized with PDS	✓				
	2.2.1 Initial AOP	✓				
	2.2.2 Extended AOP	✓				
	2.3.1 Airport Safety Nets	✓				
AF3	3.1.1 ASM and A-FUA		✓	✓	✓	
	3.1.2 Management of Predefined Airspace Configurations		✓		✓	
	3.2.1 Initial FRA		✓	✓	✓	
	3.2.2 Enhanced Free Route Airspace Options		✓	✓	✓	
AF4	4.1.1 Enhanced Short Term ATFCM Measures		✓	✓	✓	
	4.2.1 Interactive Rolling NOP		✓	✓	✓	
	4.2.2 Initial AOP/NOP Information Sharing	✓			✓	
	4.3.1 Automated Support for Traffic Complexity Assessment and FPI		✓		✓	
AF5	4.4.1 AOP/NOP Integration	✓			✓	
	5.1.1 Common SWIM PKI and cybersecurity					✓
	5.2.1 Stakeholders SWIM PKI and cybersecurity		✓	✓	✓	
	5.3.1 Aeronautical Information Exchange		✓	✓	✓	
	5.4.1 Meteorological Information Exchange		✓		✓	
	5.5.1 Cooperative Network Information Exchange		✓	✓	✓	
AF6	5.6.1 Flight Information Exchange		✓	✓	✓	
	6.1.1 Initial air-ground Trajectory Information Sharing (Airborne Domain)			✓		
	6.1.2 Initial Air-Ground Trajectory Information Sharing (Ground domain)		✓			
	6.2.1 Network Manager Trajectory Information Enhancement				✓	
	6.3.1 Initial Trajectory Information Sharing Ground Distribution		✓		✓	

Figure 2 - Impacted stakeholder Category for each ATM functionality

To measure the progress of each CP1 gap, the status of specific Deployment Milestones (DMs) that would lead to the full deployment of a specific Family is monitored and assessed. These Deployment Milestones fully match with the Stakeholders’ Lines of Action (SLOAs), as included in the latest edition of the ATM MP Level 3. Depending on its nature, scope and relevance, each milestone has been assigned with a specific weight to ensure progress is adequately tracked.

The Monitoring Exercise process of data collection is performed through the usage of the EUROCONTROL Local Single Sky Implementation (LSSIP+) tool on ground side and with ad-hoc templates for Airspace Users. As the implementation of the SESAR Deployment Programme goes beyond the local ground deployment but it also requires the contribution of Civil and Military Airspace Users and the Network Manager, the CP1 monitoring activities performed on the LSSIP+ tool have been complemented with

¹ Depending on their specific features, this list is also complemented by the Network Manager – whose scope of activities expands beyond national borders to include the full European ATM Network – and by the Maastricht Upper Area Control (MUAC), considering its responsibility to provide air navigation service on behalf of Belgium, Germany, Luxembourg and the Netherlands. Airspace Users are also considered for specific Families.

additional data gathering tools and instruments with the objective to involve all required operational Stakeholders and organisations:

- **Network Manager;** according to the SESAR Deployment Programme, the Network Manager is required to upgrade its systems and procedures to enable the full implementation of CP1 requirements across Europe (especially for AF3 to AF6). Thanks to the long-standing cooperation with the SDM, also being part of the SESAR Deployment Infrastructure Partnership (SDIP), NM has continued to directly provide the relevant information about its CP1-related modernisation activities via a dedicated template;
- **Civil and Military Airspace Users;** AUs are actively contributing to the implementation of AF3, AF4, AF5 and AF6; the synchronisation between ground and airborne investments is a key enabler for accelerating deployment and improving performances; data and information about current and planned activities from AUs have been collected through dedicated templates. With regards to Military AUs, the European Defence Agency has facilitated the collection of data.

Considering the role of SDM as coordinator of 9² Implementation Actions directly contributing to the deployment of the former Pilot Common Project and current Common Project One under the SESAR Deployment Framework Partnership Agreement, the data gathered from Stakeholders is complemented with information and updates stemming from 348 Implementation Projects currently under SDM direct oversight and coordination. 8 Implementation Projects entered in execution phase in 2023 following the awarding of the "CLEAN ATM" project in the frame of CEF2 2022 Call. This results in a thorough consistency assessment and cross-check of information received, to be performed cooperatively with the involved operational Stakeholders.

The following Figure shows the timeline of the gathering and validation process of the data provided by the operational Stakeholders in the current Monitoring Exercise.

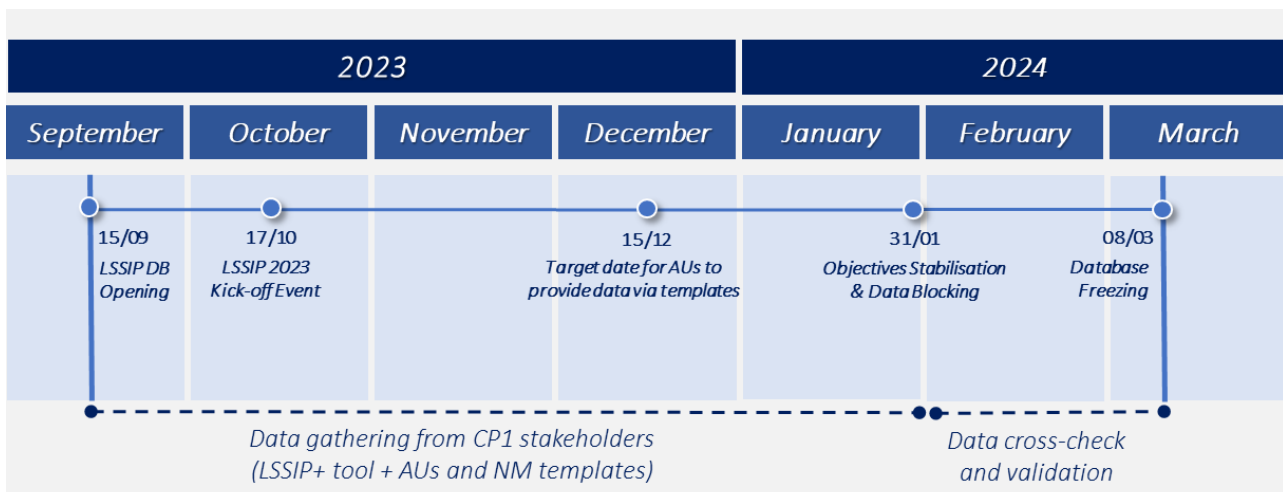


Figure 3 - Timeline of the data gathering and validation

With the aim to support the operational Stakeholders in their reporting efforts through this approach, the main elements of the 2023 Monitoring Exercise were explained during the joint SDM/EUROCONTROL LSSIP Kick-off Event, which took place on the 17th of October 2023. The provided information covered the overall process, the data gathering for the ground gaps via the LSSIP+ tool with practical examples, the template details for Airspace Users and the final elaboration process of this document. It was concluded with a session of Questions and Answers to solve the outstanding concerns and followed by the distribution of Guidance Material to all Stakeholders involved in the reporting for additional support.

² Including the following six Actions which reached their contractual ends: 2015 CEF Call – Cluster 1 on 31/12/2019, 2014 CEF Call on 31/12/2020, 2015 CEF Call – Cluster 3, 2016 CEF Call – Cluster 2 on 31/12/2021, 2016 CEF Call – Cluster 1 and 2017 CEF Call Blending

Performance benefits delivered by SDM-coordinated Implementation Projects

SDM currently coordinates the execution of 348 Implementation Projects (293 already closed by December 2023), spread over the 6 ATM functionalities of the Common Project One plus other technical functionalities removed from the scope of the Regulation, which were present in the Pilot Common Project, such as Performance Based Navigation (PBN) or Time-Based Separation (TBS). The deployment activities engage 100 beneficiaries, across 26 EU Member States and 8 Third Countries.

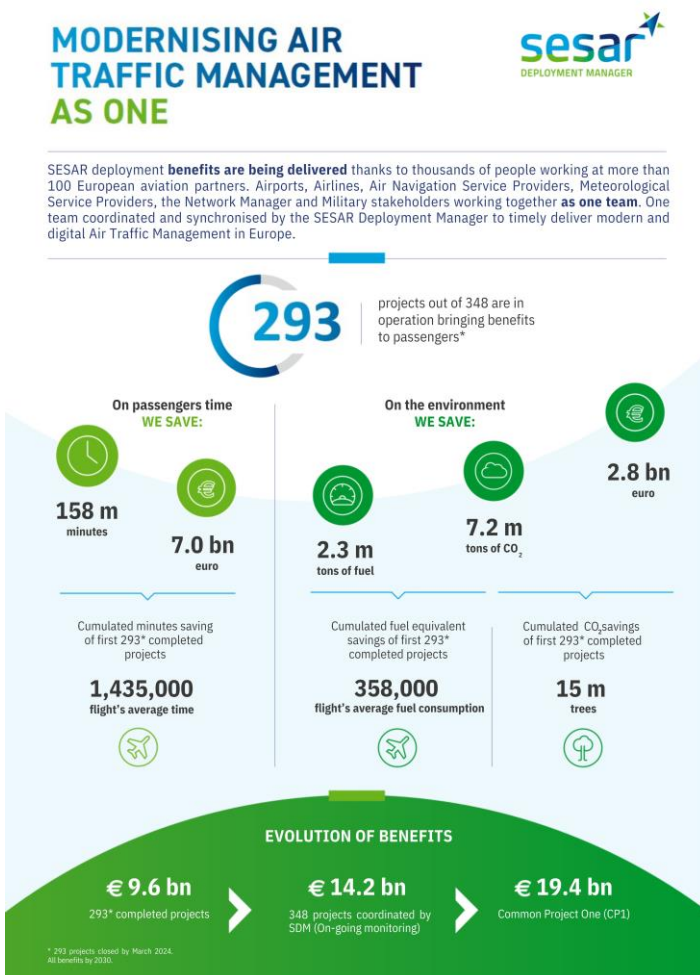


Figure 4 - Fact sheet performance benefits of CP1 Implementation Status

Thanks to this coordination role, the SDM is in the position of assessing and evaluating how these Implementation Projects support the progress of CP1 implementation as a whole by closing specific implementation gaps. The availability of such information – directly coming from the coordination and synchronisation of the actual implementation initiatives – supports the definition of a more reliable picture of the current deployment status, as well as its constant update to reflect the latest deployment achievements.

Moreover, this detailed information and the granularity of the collected data allows to measure the direct performance contribution to ATM brought by the deployment of the CP1, especially for SDM coordinated activities. Performance improvements stemming from the 293 Implementation Projects closed have been measured, in particular with regards to key performance areas: capacity, operational efficiency, service costs, environment, safety and security.

Figure 4 provides a quick overview of the most relevant performance benefits for the 293 closed Implementation Projects, in terms of passenger's time and on the environment: they sum up to a total of €9.6 billion until 2030. Cumulated benefits until 2030 for the 348 Implementation Projects (€14.2 billion estimated), and for the CP1 (€19.4 billion as referenced in the CP1 CBA from Ed. 2024) are also represented on the chart.

1. CP1 Implementation Status

Current status of CP1 deployment

As anticipated in the introduction, the concept of the coverage of the implementation gaps has been defined as a suitable indicator to define the status of CP1 deployment, as well as to measure the progress of the associated implementation activities. Tracking the evolution of gap coverage during the years allows for the identification of the pace at which deployment activities are delivering their tangible results. Furthermore, it enables the measuring of the gradually reducing scope of remaining activities to be performed to achieve the full deployment of the CP1.

A “*completed gap*” implies that the deployment of a Family within a specific geographical location (airport or country, plus Network Manager and MUAC, when applicable) has been finalised, and no further activities are necessary to ensure the operational use of the elements included in the SDP Family scope. On the contrary, an “*open gap*”, which could be on-going, planned or not yet planned, indicates the existence of activities that still need to be performed to ensure the complete implementation of the related Family.

The overall number of ground gaps has been defined by taking into account all implementation activities needed to deploy the SDP Families within the applicable ground geographical applicability areas. This means that whenever a Family has been declared as not applicable at a certain country/airport by the relevant operational Stakeholders on the basis of local and/or operational considerations, no gap has been considered.

The following SDP Family is considered not applicable for 7 specific geographical scopes and therefore no gap is considered:

- Family 5.5.1 - Cooperative Network Information Exchange is not applicable to Croatia, Cyprus, Estonia, Latvia, Lithuania, Portugal and Slovak Republic since
 - the implementation of ATFCM Tactical Updates Service, Measures Service, Short Term ATFCM Measures services, Counts service is not required since the relevant information is already exchanged via existing official tools provided by the NM.
 - the implementation of Flight Management Service is not required since only Countries with at least one CP1 airport in their territory, as per CP1 paragraph 1.2, are mandated to consume AOP/NOP via NM B2B service.

Besides, implementation activities linked to Airspace Users related to the following Families are not included in the count of gaps, as airline activities cannot be isolated to a specific ground gap. The following Families are, however, considered applicable to the Airspace Users and their progress is assessed in Section 3:

- 3.1.1 - *ASM and A-FUA*;
- 3.2.1 - *Initial FRA*;
- 3.2.2 - *Enhanced Free Route Airspace Operations*;
- 4.1.1 - *Enhanced Short Term ATFCM Measures*;
- 4.2.1 - *Interactive rolling NOP*;
- 5.2.1 - *Stakeholders’ SWIM PKI and cyber security*;
- 5.3.1 - *Aeronautical Information Exchange system / service*;
- 5.5.1 - *Cooperative Network Information Exchange system / service*;
- 5.6.1 - *Flight Information Exchange*;
- 6.1.1 - *Initial Air-Ground Trajectory Information Sharing (Airborne Domain)*.

Finally, Family 5.1.1 - *Common SWIM PKI and cyber security* – given the specific features of the activities linked to the establishment of a common SWIM PKI and their dimension expanding beyond national borders – has been treated following a different approach, detailed as well within Section 2 (see paragraph related to Family 5.1.1 - Common SWIM PKI and cybersecurity).

As a result of these assumptions and evaluations, the overall number of ground gaps illustrated within this Monitoring View is **596**. The variation in the number of ground gaps from previous report (from 590 to 596 gaps) is due to a combination of different factors, such as the non-applicability of Family 5.5.1 - *Cooperative Information Network Exchange* reported for two additional countries and the reporting of an active implementation status for Sub-AF 6.1- *Initial air-ground Trajectory Information Sharing* and 6.3 - *Initial Trajectory Information Sharing Ground Distribution* in Netherlands, Luxembourg, Belgium and Norway.

According to the results of the Monitoring Exercise, these 596 gaps have been clustered into the following categories:

- **"Completed with CEF"**, when all achievement conditions are respected and have been met, with some support of CEF Funding and under the direct coordination of the SESAR Deployment Manager;
- **"Completed without CEF"**, when all achievement conditions are respected and have been met, through deployment activities performed by local Stakeholders without the coordination of SDM;
- **"On-going with CEF"**, when activities have already started with some support of CEF Funding and under the direct coordination of the SESAR Deployment Manager;
- **"On-going without CEF"**, when activities have already started, through deployment activities performed by local Stakeholders without the coordination of SDM;
- **"Planned"**, when activities have not started yet, but there are plans to execute them;
- **"Not Yet Planned"**, when there are no specific plans to perform the activities required. When either the gap status or part of the implementation is Not Yet Planned, no completion date is provided.

Monitoring of AF6 – Initial Trajectory Information Sharing

The launch of the activities to monitor the status of AF6 was pending the confirmation of its readiness by the "Industrialisation Target Date", set by CP1 regulation on 31/12/2023. The European Union Aviation Safety Agency (EASA), with the aid of a CP1 Industrialisation Forum, conducted an assessment in respect of the progress in achieving readiness for implementation. The conclusion of such assessment recognises the extensive efforts performed by the stakeholders and indicates that AF6 is ready for implementation. Based on the decision of the Single Sky Committee (23/04/2024), AF6 is considered ready for implementation following the successful verification of the Industrialization Target Date.

Consequently, the implementation of AF6 started to be monitored from this Monitoring campaign. In this regard, the status of the following SDP Families, addressing ground-based implementations, were tracked:

- 6.1.2 - *Initial Air-Ground Trajectory Information Sharing (Ground Domain)*
- 6.2.1 - *Network Manager Trajectory Information Enhancement*
- 6.3.1 - *Initial Trajectory Information Sharing ground distribution*

CP1 implementation: a general view

The SESAR Deployment Phase is progressing well. It was launched in 2014 by the Pilot Common Project and continues to progress through the implementation of the updated ATM Functionalities of CP1 and their revised content.

In comparison with the results stemming from previous SDM Monitoring Exercise 2022, a positive trend is observed, showing a steady improvement of the CP1 deployment status: the overall percentage of gaps composing the SESAR Deployment Programme scope and considered completed has increased from 31% in 2022 up to 42% in 2023. The total number of gaps already closed by December 2023 increased from 186 in 2022 to 250.

This means that some of the associated technological and operational elements are already in use by the relevant Stakeholders, with positive outcomes on the overall performance of ATM operations.

In the framework of the CP1 regulatory environment, thanks to the work performed by the Stakeholders, 254 gaps are considered on-going, bringing the total number of gaps either on-going or completed to 504, representing 85% of total ground gaps and confirming the positive trend when compared with 2022 (+9%).

The activities currently completed, on-going or planned are spread across 6 ATM Functionalities and well-distributed amongst 25 SESAR Deployment Programme Families: this demonstrates the wide-ranging and far-reaching effort from all involved Stakeholders. In particular, for 16 Families at least one local implementation has been completed.

Overview of the current CPI implementation status

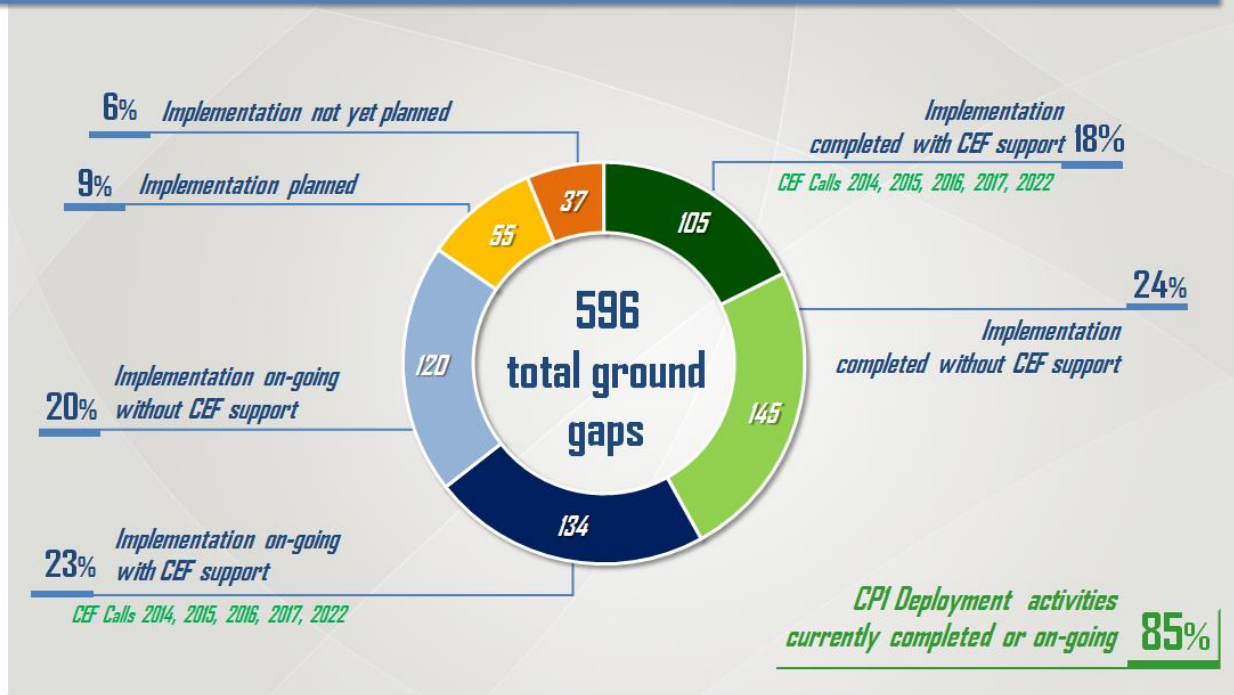


Figure 5 - Current CP1 Implementation Status - Overview

Figure 5 further illustrates that the implementation activities are progressing well, as they are addressing additional 254 gaps (On-going), which amounts to around 43% of the total. More specifically, operational Stakeholders are in the process of closing 134 gaps benefitting from the outcomes of SDM-coordinated Implementation Projects, supported by EU public funding via CEF Calls 2014, 2015, 2016, 2017 and 2022. In addition, for 120 gaps, the implementation is in progress with Stakeholders' own resources and/or through other means of funding / financing, without direct coordination from the SESAR Deployment Manager.

Furthermore, operational Stakeholders have plans to deploy 9% of the total gaps, according to the information provided by Stakeholders during the Monitoring Exercise: this brings the total number of gaps already completed, on-going or planned to 559, which means around 94% of the total ground gaps. Conversely, there is a lack of specific plans only for the remaining 6%, which, even if does not necessarily entail a late completion with regard to CP1 regulatory deadlines, is considered as a matter of concern taking into account the proximity of the CP1 target dates. However, the number of gaps reported not yet planned has slightly decreased from 51 in 2022 to 37 in 2023, mostly linked to AF1 and AF6 Families.

These good results are due to the strong commitment of operational Stakeholders to implement the SESAR Deployment Programme, as demonstrated both by individual initiatives from local Stakeholders and by their massive participation to the Calls launched under the CEF Framework.

The SESAR deployment is still moving forward and delivering the expected performance improvements, translating the Common Project One into an operational reality. The focus is to reach the maximum performance benefit of CP1, which takes place when the implementation occurs in a synchronised air-ground and timely manner. In addition to the summary provided, the following main facts can be highlighted:

- 5 SDP Families are fully deployed by 31st December 2023:
 - Family 3.1.1 - *Airspace Management and Advanced Flexible Use of Airspace*
 - Family 3.1.2 - *Management of Predefined Airspace Configurations*
 - Family 3.2.1 - *Initial Free Route Airspace*
 - Family 4.1.1 - *Enhanced Short Term ATFCM Measures*
 - Family 4.2.1 - *Interactive Rolling NOP*

- As a matter of fact, 89% of gaps which had to be addressed by the end of 2022 and 2023 were completed. The remaining 28 gaps, still to be completed, are distributed across the following Families:
 - 4 in Family 2.1.1 - *Departure Management Synchronised with Pre-departure sequencing* (Copenhagen Kastrup; Dublin Airport; Oslo Gardermoen; Stockholm Arlanda);
 - 2 in Family 2.2.1 *Initial AOP* (Dublin Airport; Stockholm Arlanda);
 - 18 in Family 4.2.2 *Initial AOP / NOP Information sharing* (Amsterdam Schiphol; Barcelona El Prat; Berlin Brandenburg; Brussels National; Copenhagen Kastrup; Dublin Airport; Düsseldorf Airport; Frankfurt am Main; Madrid Barajas; Milan Malpensa; Munich Franz Josef Strauss; Nice Côte D'Azur; Palma de Mallorca Son Sant Joan; Paris Charles de Gaulle; Paris Orly; Rome Fiumicino; Stockholm Arlanda; Zürich Kloten). SDM, NM and the impacted airports are in close and regular exchange to update the iAOP / NOP implementation roadmap with the objective to have the vast majority (85%) of the Family scope implemented by 2024.
 - 4 in Family 4.3.1 - *Automated Support for Traffic Complexity Assessment and Flight Planning Interfaces* (Germany; Hungary; Norway; Slovak Republic).

23 out of these 28 gaps are expected to be completed by December 2024, reaching 98% for those 9 SDP Families

- Assessment on the implementation of SDP Families with an implementation target date set in December 2024:
 - Family 1.1.1 - *Arrival Management Extended to En-route Airspace* – It is expected that the implementation will be fully completed in 7 Airports by the end of 2024, with a potential completion rate of 35%. Additionally, the implementation will be completed for 5 gaps by 2025 and no foreseen implementation date is provided for 8 gaps, since the implementation of this functionality in some of the ACCs within the 180 nm AMAN horizon extension is not yet planned.
 - Family 5.1.1 - *Common SWIM PKI and cyber security* – It is expected to be timely completed by December 2024. In fact, the call for tender was launched in 2023 to select a contractor to perform day-to-day EACP operations, which will start in 2024, in line with the deployment deadline of CP1 Sub AF 5.1 - Common infrastructure components. Currently 43 organisations (ANSPs, airports, airspace users, manufacturers and aviation MET service providers) have responded positively to using the EACP.

The current³ status of implementation of the Common Project One includes 250 completed gaps, being the most significant results registered in AF2, AF3 and AF4. The progress in CP1 deployment has evolved at a steady pace (18 percentage points increase from 2021 and 11 from 2022) and will continue to do so with 33 gaps expected to achieve their full coverage by the end of 2024 and additional 84 gaps in 2025.

- With regard to Family 1.1.1 - Arrival Manager extended to en-route airspace, the implementation was already completed in two airports (Vienna Schwechat and Copenhagen Kastrup⁴), whereas for the remaining 18 airports the implementation is ongoing. However, for 65% of the cases, this Family is expected to be completed beyond the CP1 target date or no implementation date can be reported since part of the scope is not yet planned. For 15 Airports, an horizon distance shorter than the mandated 180 nm was reported, since the extension of the AMAN horizon does not provide additional performance benefits. These cases will be assessed according to the criteria agreed within the SDM AF1 Coordination Platform. Furthermore, interoperability issues might affect the full deployment considering the different implementation methods (OLDI and SWIM) permitted in the CP1 Regulation. Therefore, during the one-year transition period, from end 2024 to end 2025, interoperability issues might arise in case neighbouring Countries use different methods, albeit both locally adherent with the CP1 Regulation and the SDP.

³ Such status corresponds to the status of CP1 implementation as by December 2023

⁴ As depicted in the Focus on Extended AMAN implementation, the non-applicability of specific ACCs connections within the 180NM horizon is under review by SDM in the framework of AF1 Coordination Platform activities.

- With regard to Family 2.3.1 - Airport Safety Nets, all gaps are either completed or ongoing. However, 7 gaps are expected to exceed the CP1 target date (Berlin, Dusseldorf, Frankfurt, Munich, Oslo, Vienna and Zurich airports) whereas for additional two gaps no implementation date can be shown as part of the implementations are currently not yet planned (Nice and Paris CDG airports). While the RMCA functionality is already in place in most of the mandated airports, the reported delays are mainly caused by the implementation of CATC and CMAC alerts which are linked to the deployment of new Tower systems.
- The implementation of Family 3.1.1 - Airspace Management and Advanced Flexible Use of Airspace and Family 3.1.2 - Management of Predefined Airspace Configurations has been completed by all mandated countries, MUAC and NM within the CP1 regulatory date (31st December 2022); for most countries, the completion was achieved through the adoption of available NM systems (CIAM, CHMI), whereas local ASM tools continue to be deployed. The transition to a local ASM tool represents a pivotal turning point to meet the AF5 deadline coming in 2025. In this respect, in 2022 the deployment of a local ASM tool was completed by 70% of the countries whereas in 2023 this value has increased to 87%. It is expected that the remaining countries will complete the implementation of the local ASM tool within 2025.
- With regard to Family 3.2.2 - Enhanced Free Route Airspace, the implementation has been reported completed or ongoing by all mandated countries. However, for one country (Cyprus) the final implementation date cannot be shown as part of the scope is not yet planned, whereas in France the enhanced FRA implementation is planned for 2026, one year beyond the CP1 target date (2025). Despite the fact that the cross-border dimension will be established with Switzerland by 2025, the full coverage is expected to be delayed because of the late deployment of 4-FLIGHT ATM system.
- The implementation of Family 4.1.1 - *Enhanced STAM* has also been completed by all the mandated countries, MUAC and NM. The majority of stakeholders has completed the local implementations through the adoption of available NM systems (NMP Flow). In some cases, the implementation of a local STAM tool is being performed.
- For Family 4.2.2 - *Initial AOP / NOP Information Sharing*, the integration of airports data exchange to enable the Initial AOP-NOP information sharing was reported completed for Vienna Airport and Network Manager, whereas it was delayed for the other 18 airports in scope, due to the bottleneck on the testing and validation activities between NM and each single airport. 15 out of 18 (83%) airports implemented the Network Manager B2B services and were ready for iAOP-NOP testing validation activities with NM by December 2023. Three airports (Stockholm Airport; Dublin Airport and Zurich Airport) are not ready to start validation activities yet since they are still working on the requirements. For mitigating this risk, actions are taking place between SDM, NM and the impacted airports to tackle the implementation delay. Specifically, SDM, NM and CP1 mandated Airports are jointly collaborating to define and speed up the workplan, taking into account that the work between NM and each CP1 airport takes approximately 5-6 months and cannot be performed in parallel for all cases. The objective is to have this Family scope fully implemented for all CP1 applicable airports as soon as possible, currently estimating mid-2025. The workplan will be structured to avoid a knock-on effect on Family 4.4.1 - *AOP/NOP Integration*. In this respect, three Airports for which no implementation plans have been defined yet for Family 4.4.1 (Lyon Airport; Stockholm Arlanda; Geneva Airport) are actively involved in the recovery plan to mitigate the risk.
- The completion of Family 4.3.1 - *Automated Support for Traffic Complexity Assessment and Flight Plan interfaces* has not been achieved for 4 out of 30 gaps (Germany, Hungary, Norway and Slovak Republic). However, Germany and Hungary are planning to complete the implementation of the local traffic complexity tool within 2024, while Slovak Republic and Norway are expected to finalise the implementation once the automatic provision of AFP for airborne flights is completed by 2024 and 2025, respectively.
- With regard to AF5 Families, even if most of the implementations have been reported ongoing and the provision of NM services has already been completed, considerable delays are affecting the implementation of SWIM. Therefore, coordination and support to the Stakeholders has already been initiated from the SESAR Deployment Manager. The progress made to date in SWIM implementation

is quite advanced, compared to what was reported last year (81% of the gaps are either completed or ongoing in comparison with 72% in December 2022), however several gaps will be completed beyond the CP1 target date or no implementation date can be shown as part of their scope is not yet planned. In particular:

- Family 5.2.1 - *Stakeholders' SWIM PKI and cyber security*, for 10 gaps no implementation date can be shown as part of the implementation is not yet planned;
 - Family 5.3.1 - *Aeronautical Information Exchange*, 8 gaps are planned to be implemented beyond the CP1 regulatory date and for 12 gaps no implementation date can be shown as part of the implementation is not yet planned;
 - Family 5.4.1 - *Meteorological Information Exchange*, 6 gaps are planned to be implemented beyond the CP1 regulatory date and for 15 gaps no implementation date can be shown as part of the implementation is not yet planned;
 - Family 5.5.1 - *Cooperative Network Information Exchange*, 1 gap is planned to be implemented beyond the CP1 regulatory date and for 4 gaps no implementation date can be shown as part of the implementation is not yet planned;
 - Family 5.6.1 - *Flight Information Exchange*, 15 gaps are planned to be implemented beyond the CP1 regulatory date and for 11 gaps no implementation date can be shown as part of the implementation is not yet planned.
- With regard to AF6 implementation, half of the countries have no dedicated plans yet, as the commitment of several Stakeholders was linked to the positive assessment of AF6 readiness by the "Industrialisation Target Date", set by CP1 regulation on 31/12/2023. However, one third of the gaps are expected to be completed within the CP1 target date by 2027, thanks also to the ADS-C Common Service Initiative aiming at harmonising the provision of ATM datalink services in Europe through the set-up of a unique certified ATM Datalink Service Provider (ADS-C/EPP).
 - Special attention must be paid to those Families where only preliminary planning and preparatory activities have been performed. In Family 1.2.1 - *AMAN/DMAN Integration*, the impacted Stakeholders have not yet planned the implementation for 5 out of 6 gaps (Berlin, Dusseldorf, Nice, Oslo, Paris CDG). Furthermore, in Family 2.2.2 - *Extended Airport Operations Plan*, with a target date on 31st December 2027, no implementation date can be shown for 5 out of 31 gaps since part of the local scopes are not yet planned (Amsterdam, Copenhagen, Geneva, Lyon and Stuttgart airports). Similarly, in Family 4.4.1 - *AOP NOP Integration*, for 5 out of 32 gaps no implementation date is defined as part of the scope has not been planned yet (Amsterdam, Dublin, Geneva, Lyon, and Stockholm airports). However, for most of these airports a multi-stakeholder initiative (EXOPAN) has been submitted in the frame of CEF 2 Call 2023 to address the implementation of Family 2.2.2 and Family 4.4.1. Moreover, a multi-stakeholders Implementation Project (BEACON) has been awarded in the frame of CLEAN ATM Project (CEF 2 Call 2022) and is already supporting the implementation of Family 2.2.2 and Family 4.4.1 in 7 different airports.
 - It is important to highlight the relevance of the support provided by the Connecting Europe Facility (CEF) funds in the implementation of the CP1 Regulation. For instance, several Families show a substantial majority of the implementation taking place thanks to those. This is the case of several CEF initiatives supporting the implementation of Sub-AF 2.2, 3.2, 4.2 and 4.3.
 - SDM, together with the relevant SES bodies and in cooperation with all involved Stakeholders, is carefully monitoring these potential issues and is supporting operational Stakeholders in the identification, definition and implementation of the necessary mitigation actions. This objective is achieved through the Risk Assessment process managed by SDM, complemented with the organisation of workshops, sharing of best practices and visits to the Stakeholders in order to raise awareness and provide technical clarifications on SDP implementation.
 - Based on the results of the Monitoring Exercise, the implementation of the following SDP Families is to be considered prioritised in accordance with the SDP Short Term Deployment Approach:
 - Family 1.2.1 - *AMAN/DMAN integration*
 - Family 2.2.2 - *Extended AOP*
 - Family 4.4.1 - *AOP/NOP Integration*
 - Family 6.1.1 / 6.1.2 - *Initially A/G Trajectory Information Sharing (Airborne / Ground)*
 - Family 6.3.1 - *Initially Trajectory Information Sharing Ground Distribution*

Detailed view per ATM Functionality

The following picture and the associated paragraphs provide a more detailed view per each CP1 AF.

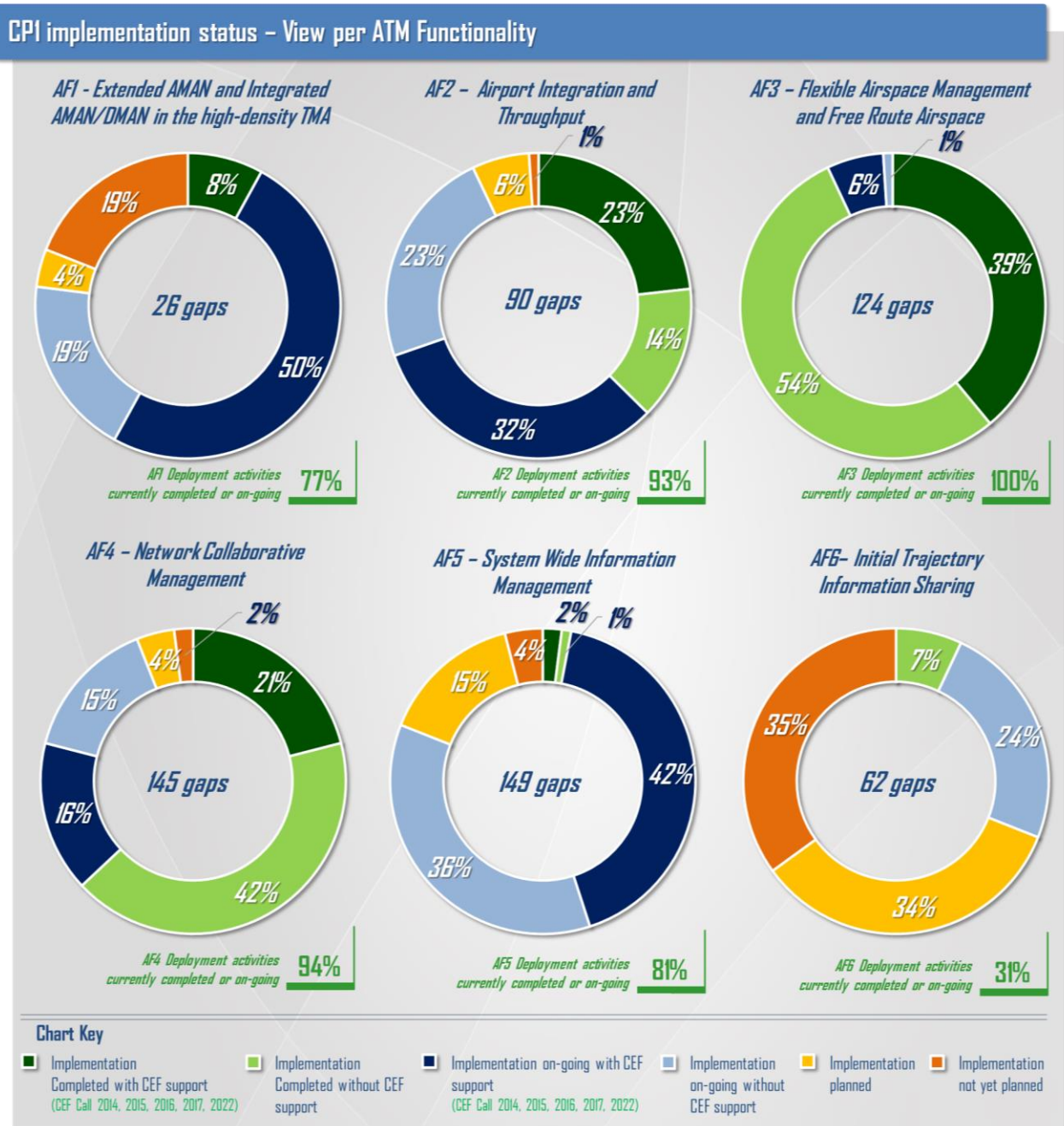


Figure 6 - CP1 Implementation Status: view per AF

The following detailed views per each ATM Functionality (AF1, AF2, AF3, AF4, AF5 and AF6) are complemented with charts aiming at representing the gaps whose CP1 timely completion is threatened since their implementation dates are set beyond CP1 target dates.

AF1 - Extended AMAN and Integrated AMAN/DMAN in the high-density TMA

AF1 - Extended AMAN and Integrated AMAN/DMAN in the high-density TMA

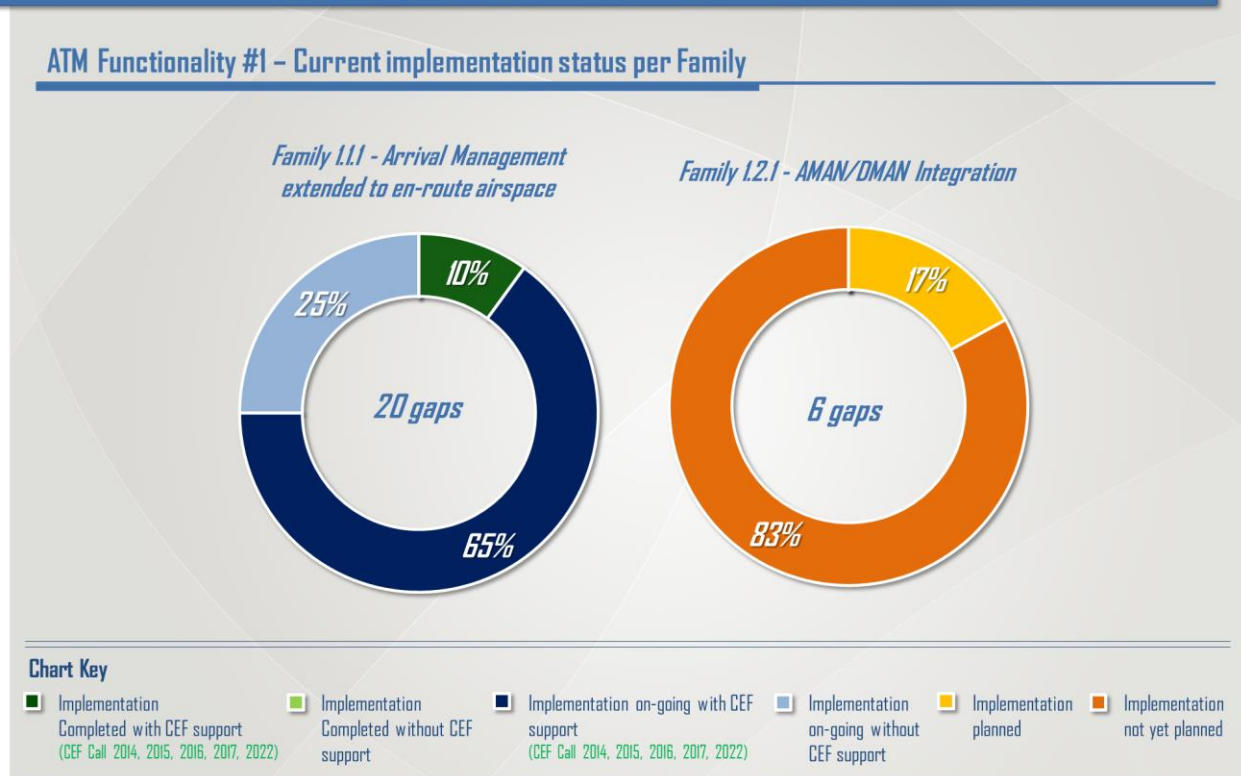


Figure 7 - AF1: current implementation status per Family

8% of the existing implementation gaps associated to AF1 have already been closed by local Stakeholders, all of them in Family 1.1.1. 69% of the ATM Functionality is in the process of being implemented (in most cases benefitting of EU funding support and of the SDM coordination activities). This implies that the deployment of AF1 is not currently on-going in 23% of the cases, which corresponds entirely to Family 1.2.1, with 5 out of these 6 gaps for which no specific plans have been defined by the relevant Stakeholders.

Regarding the implementation of extended arrival management by the en-route ATS units feeding the traffic to the busiest airports in Europe (Family 1.1.1), this Family is already implemented for 2 of the airports (Vienna Schwechat and Copenhagen Kastrup)⁵ listed in the Regulation. Besides, the implementation of the required technical elements is on-going for the remaining CP1 airports. As presented in Figure 8, the implementation of this Family in Brussels National, Barcelona El Prat, Madrid Barajas, Oslo Gardermoen, Palma de Mallorca and Zurich Kloten is foreseen to be completed beyond the CP1 target date, whereas part of the extended AMAN connections of Amsterdam Schiphol, Berlin Brandenburg, Dusseldorf, Frankfurt, Munich, Nice and Paris CDG are still not yet planned.

In accordance with the Regulation and the SESAR Deployment Programme, a horizon distance shorter than the mandated 180 nm can be considered when, due to the geographical location of the arrival airport, the extension of the AMAN horizon does not provide additional performance benefits. To date, this has been identified as the case for 15 Airports, on the basis of stakeholders asserting a local lack of benefit. To ensure a consistent assessment of these assertions, SDM with the support of the AF1 Coordination Platform

⁵ As depicted in the Focus on Extended AMAN implementation, the non-applicability of specific ACCs connections within the 180NM horizon is under review by SDM in the frame of AF1 Coordination Platform activities.

recently published a guidance on the process through which the non-applicability of specified fragments of the mandated scope can be assessed.

Furthermore, the different implementation methods (OLDI and SWIM), permitted in the CP1 Regulation, could lead to interoperability issues. In fact, “An ATSU operating an Extended AMAN shall be able to communicate with the relevant sectors (...) by SWIM service when it is available. Until SWIM is available, ATSUs may send and receive the OLDI AMA message to and from adjacent sectors and forward OLDI AMA messages further upstream to communicate with the relevant sectors (...)”. Noting that a means of compliance fully consistent with SWIM YP has been available since June 2018, it follows that a stakeholder is not prevented from deploying the SWIM method in advance of the general 2025 SWIM availability deadline. As a consequence, a scenario is expected to materialize throughout the deployment landscape during the one-year transition period, from end 2024 to end 2025, interoperability issues might arise in case neighbouring Countries use different methods, albeit both locally adherent with the methods prescribed by the CP1 Regulation and the SDP. With the support of the AF1 Coordination Platform, SDM is working to facilitate a harmonised and interoperable implementation with the objective to achieve the full interoperability.

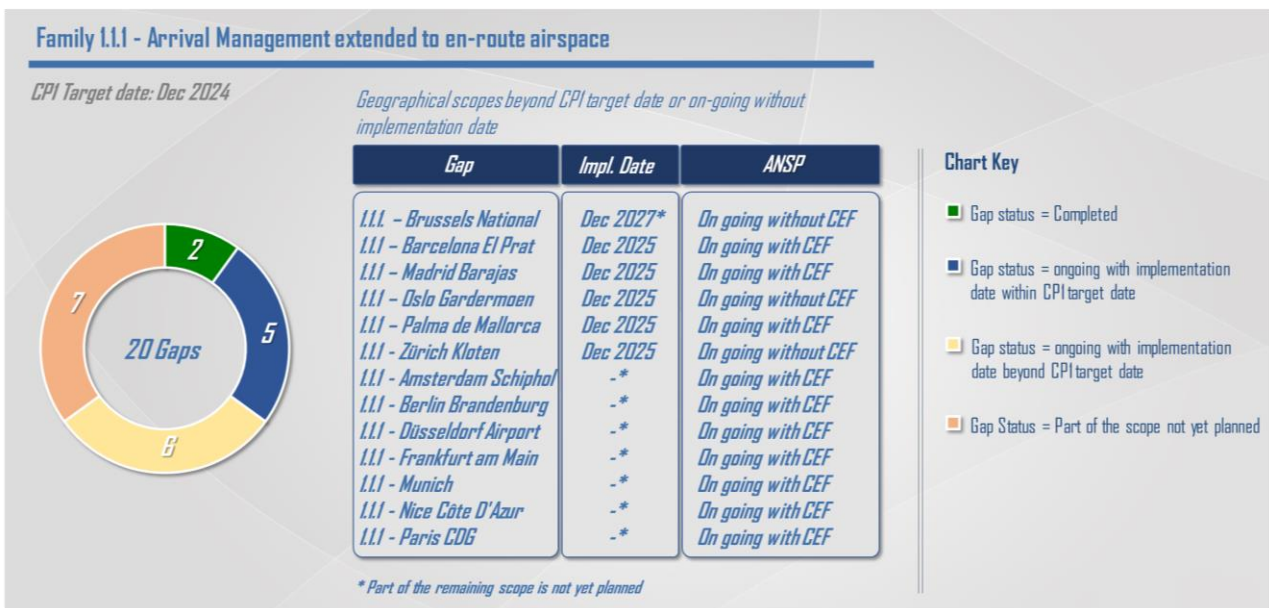


Figure 8 – Potential issues on CP1 deadlines in Family 1.1.1.

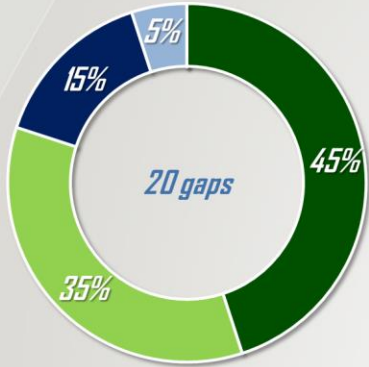
For Family 1.2.1 - AMAN/DMAN Integration, only one Stakeholder has planned the implementation. This functionality applies only to airports that have single runway or dependent runways which may operate in mixed-mode or have departure runway linked with dependency to an arrival runway. Its implementation is achieved through the integration of both the AMAN extended horizon for the arrival traffic and to the optimised pre-departure sequence provided by DMAN.

AF2 - Airport Integration Throughput

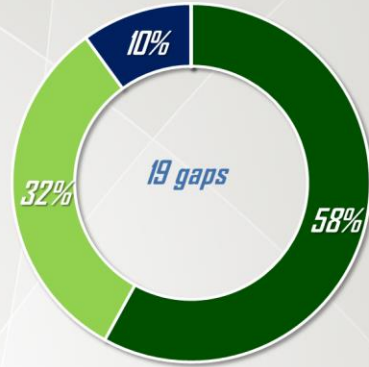
AF2 - Airport Integration and Throughput

ATM Functionality #2 - implementation status per Family

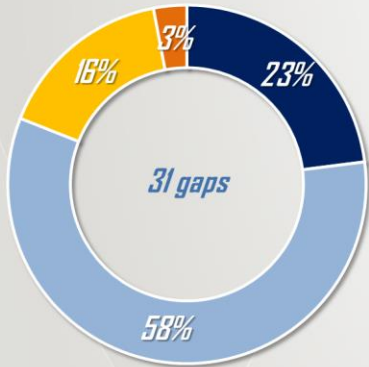
*Family 2.1.1 - Departure Management
Synchronised with Pre-departure sequencing*



Family 2.2.1 - Initial ADP



Family 2.2.2 - Extended ADP



Family 2.3.1 - Airport Safety Nets

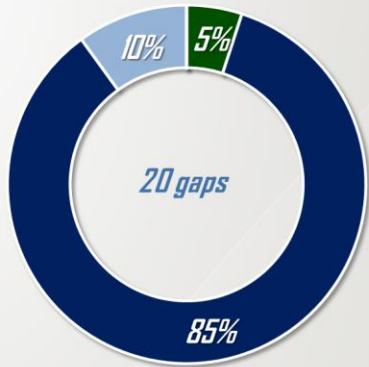


Chart Key

- Implementation Completed with CEF support (CEF Call 2014, 2015, 2016, 2017, 2022)
- Implementation Completed without CEF support
- Implementation on-going with CEF support (CEF Call 2014, 2015, 2016, 2017, 2022)
- Implementation on-going without CEF support
- Implementation planned
- Implementation not yet planned

Figure 9 - AF2: current implementation status per Family

93% of the gaps associated to ATM Functionality 2 are either completed or the associated deployment activities are already in progress. 55% of all AF2 gaps are contributed by projects coordinated and synchronised by SDM.

Family 2.1.1 - *Departure Management Synchronised with Pre-departure sequencing*, reached the CP1 regulatory target date on 31st December 2022. 16 out of 20 gaps were closed, whereas the full implementation of 4 gaps is planned to be achieved beyond the CP1 target date, as shown in Figure 10.

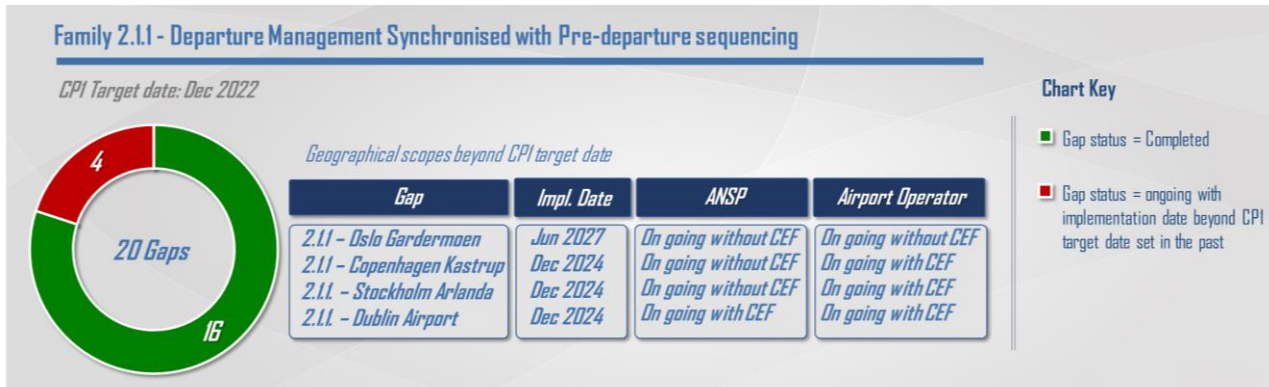


Figure 10 - Issues on CP1 deadlines in Family 2.1.1

The following cases in the domain of Family 2.1.1 have been reported completed by the concerned stakeholders, however the following elements should be considered:

- For Rome Fiumicino and Milan Malpensa, ENAV declared that the automated update of TSAT and TTOT, through the connection between A-SMGCS and DMAN, implied that the Routing Functionality should be activated. This functionality is on a voluntary basis, consequently the calculation of TSAT and TTOT is based on static tables. ENAV has also planned to install a system that recognises when an aircraft has reached a certain point on the airfield, to guarantee the accuracy in TTOT calculation. ATCOs manually modify Departure Sequence also taking into account different types of aircraft, different time intervals between departing aircraft and different applicable airport scenarios, to have accurate TTOT - which is not dynamically updated by surveillance data yet -. At the same time, ATCOs can adjust the TTOT for unplanned delay or for unplanned earlier departing aircrafts. ENAV is implementing a project to make the computation of VTT and TTOT automatic by 2025, resulting in a reduction of ATCOs workload. The SDM indicated that the System Requirements of the CP1 Annex in paragraph 2.1.1 point (b) say: "DMAN systems must elaborate and calculate a collaborative sequencing and provide both TSAT and TTOT. TSAT and TTOT must take into account variable taxi times and must be updated according to the actual aircraft take-off.";
- For Amsterdam Schiphol, LVNL declared that the calculation of TSAT and TTOT is based on static taxi timetable values considering the characteristics of the airfield configuration. The automatic update of TTOT can only be implemented when the A-SMGCS routing & planning functions will be in place. This will be done as one of the functional modules of the new TWR system, whose deployment is supported by an ongoing CEF project. As a follow up, it was clarified that wake vortex categories are taken into account in the TTOT computation and LVNL expressed the willingness to use A-SMGCS surveillance data to feed the DMAN dynamically in the future. The SDM indicated that the System Requirements of the CP1 Annex in paragraph 2.1.1 point (b) say: "DMAN systems must elaborate and calculate a collaborative sequencing and provide both TSAT and TTOT. TSAT and TTOT must take into account variable taxi times and must be updated according to the actual aircraft take-off."

Regarding Family 2.2.1 - *Initial AOP*, with a regulatory deadline set at the end of 2023, the common and collaboratively agreed rolling plan used by all involved airport Stakeholders to provide common situational awareness and process optimisation, the implementation was completed for all airports in scope except

Dublin and Stockholm Arlanda, currently in the process of implementing the local A-CDM (a pre-requisite for iAOP).



Figure 11 - Issues on CP1 deadlines in Family 2.2.1

With regards to Family 2.2.2 - *Extended AOP*, only 3% of the gaps have no plans declared by Stakeholders. Extended AOP increases the iAOP scope beyond the airside operating environment and addresses processes within the landside and terminal infrastructure that have a performance impact on airport operations, flight predictability and efficiency. For this Family, plans have already been declared by Stakeholders for 30 out of the 31 gaps for which the deployment is required.

With reference to Family 2.3.1 - *Airport Safety Nets*, which addresses the A-SMGCS Airport Safety Support Service, the implementation is completed in Brussels National and ongoing for all the remaining gaps. However, the implementation date of 8 gaps has been reported beyond the CP1 target date and 1 gap has part of the scope not yet planned, as depicted in Figure 12.

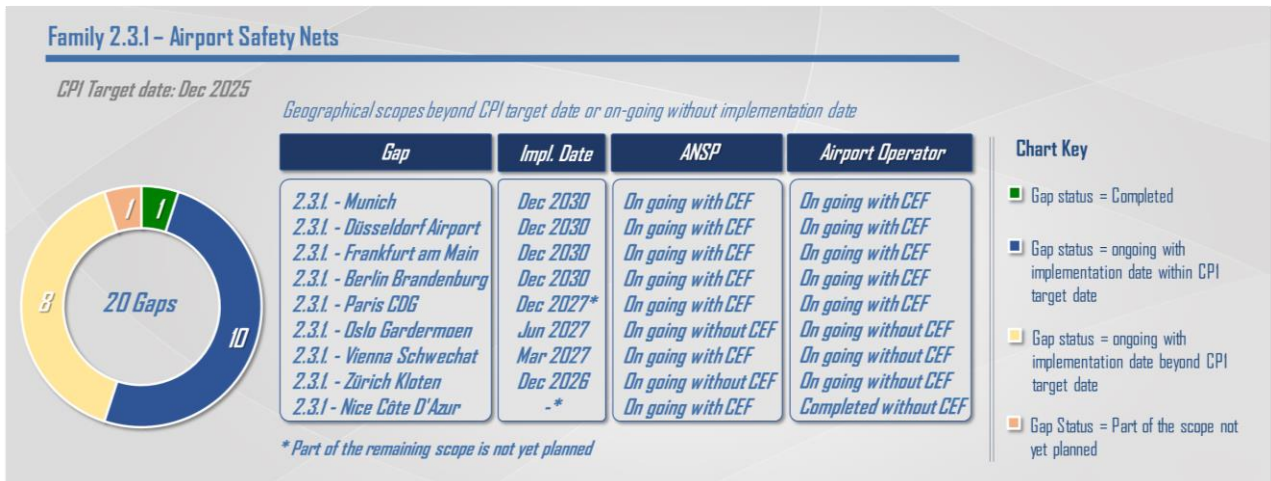


Figure 12 - Potential issues on CP1 deadlines in Family 2.3.1

AF3 – Flexible Airspace Management and Free Route Airspace

AF3 - Flexible Airspace Management and Free Route Airspace

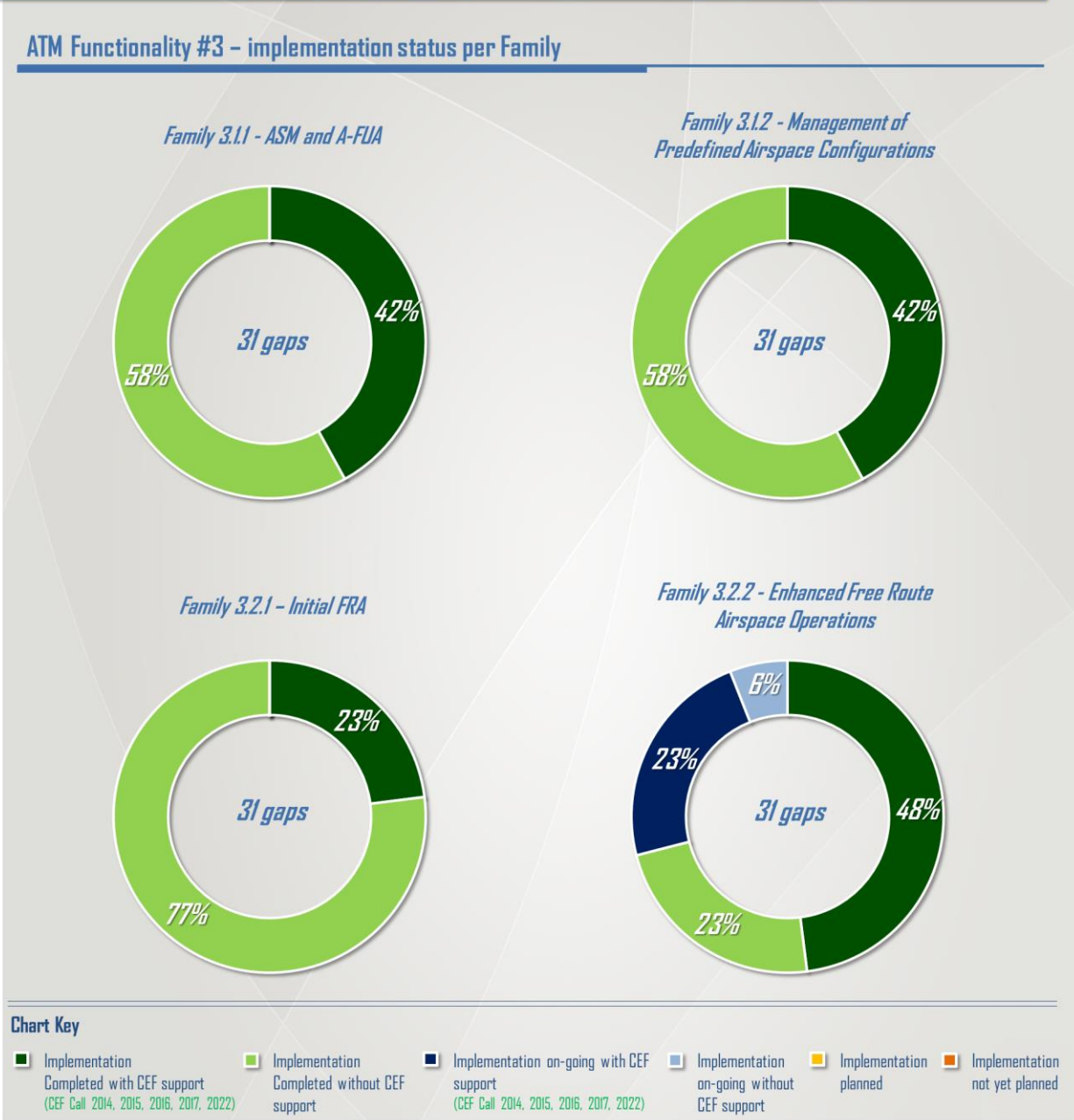


Figure 13 - AF3: current implementation status per Family

93% of the implementation gaps associated to AF3 have been completed by operational Stakeholders, making it the most progressed ATM functionality within the scope of the CP1 from a deployment-extent perspective.

Moreover, Family 3.1.1 – *ASM and A-FUA*, Family 3.1.2 – *Management of Predefined Airspace configurations* and Family 3.2.1 – *Initial Free Route Airspace* have also reached their CP1 regulatory target date on 31st December 2022. These implementations have been completed for all the 31 applicability areas.

The technical requirements for the implementation of “Enhanced Free Route Airspace Operations”, addressed by Family 3.2.2 are already implemented in 20 out of 30 countries and by MUAC and Network Manager, thus ensuring Cross-border FRA with at least one neighbouring State and FRA connectivity with TMAs enabling significant performance benefits, both in terms of reduction of jet fuel consumption and of CO₂ emissions. 1 gap is foreseen to be completed beyond the CP1 target date (2025), whereas for 1 gap

the foreseen implementation date cannot be shown since part of its scope is not yet planned, as shown in Figure 14.

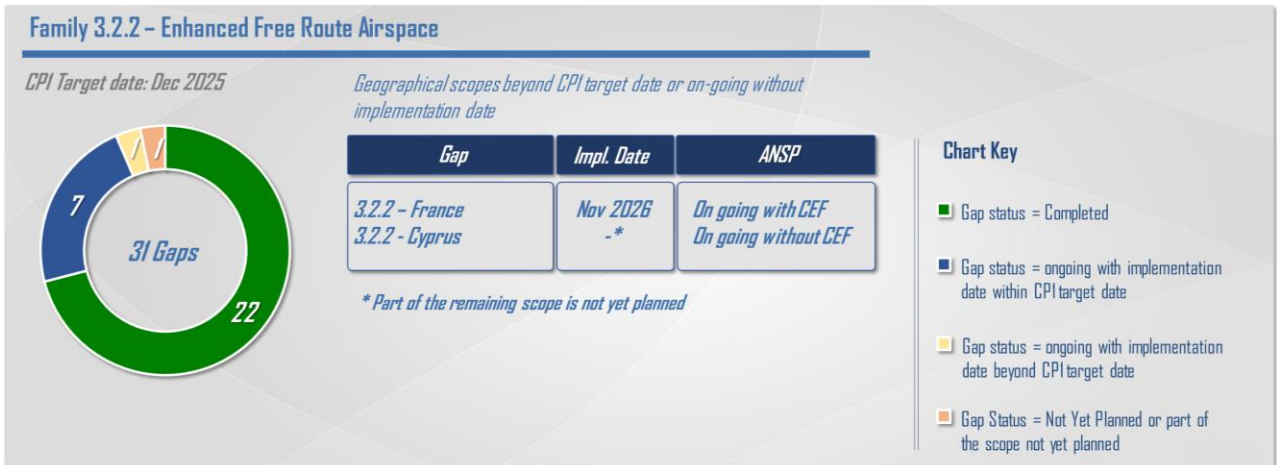


Figure 14 - Potential issues on CP1 deadlines in Family 3.2.2

AF4 – Network Collaborative Management

AF4 – Network Collaborative Management

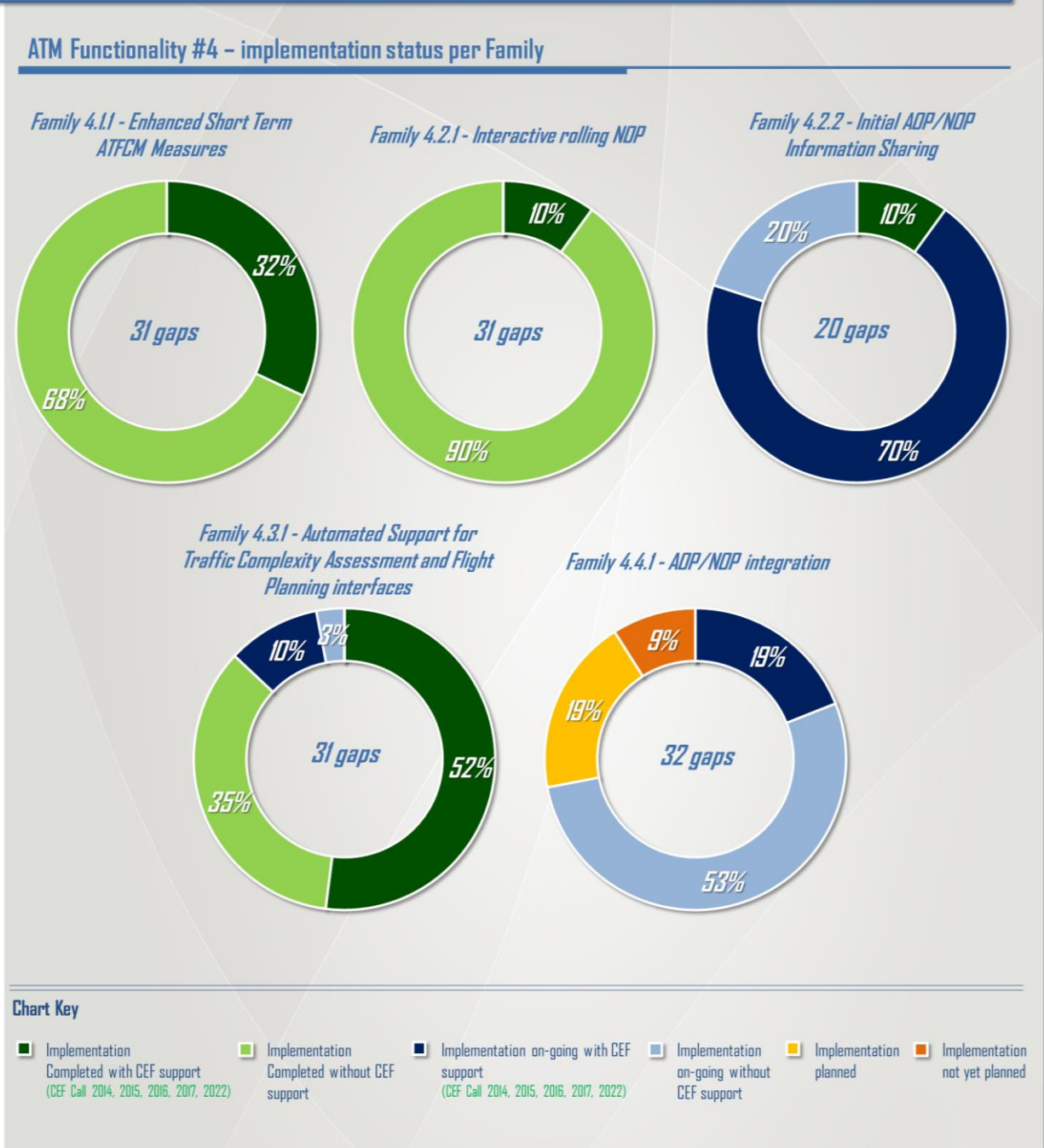


Figure 15 - AF4: current implementation status per Family

63% of AF4 gaps have been already closed by the operational Stakeholders. The currently on-going implementation activities address about 31% of the existing gaps, while plans have been declared for around 4% of the total number of existing gaps, leaving only around 2% of the AF-related gaps without any associated specific implementation plans.

Family 4.1.1 - *Enhanced Short Term ATFCM Measures* reached its CP1 regulatory target date on 31st December 2022. For 23 out of 30 countries and for MUAC, the implementation was completed by December 2022, whereas for the remaining 6 countries plus Network Manager, the implementation has been completed in the course of 2023, resulting in the completion of the entire Family.

The implementation of Family 4.2.1 - *Interactive Rolling NOP*, linked to the deployment of the NOP Portal by Network Manager, has been fully completed in all applicability areas by the CP1 target date (December 2023).

On the other hand, the implementation of Family 4.2.2 - *Initial AOP/NOP Information Sharing*, focused on the integration of airports data exchange to enable the Initial AOP-NOP information sharing was reported completed for Vienna Airport and Network Manager, whereas it was delayed for the other 18 airports in scope. 15 out of 18 (83%) airports implemented the Network Manager B2B services and were ready for iAOP-NOP testing validation activities with NM by CP1 deadline set in December 2023. As shown in Figure 16, three airports (Stockholm Airport; Dublin Airport; Zurich Airport) are not ready to start validation activities yet since they are still working on the requirements.

The Network Manager reported that Family 4.2.2 - *Initial AOP/NOP Information sharing* had been completed.

The NM notes that:

In the SDP, the Deployment Milestones of Family 4.2.2 achievement conditions have been reached by NM at the implementation target date. At 31/12/2023, there were 2 Airports (Lisbon and Vienna Airport) exchanging data which fulfil the iAOP-NOP information sharing requirements with NM OPS systems.

CP1 Requirements states that NM needs to provide the capabilities in their system for allowing the iAOP-NOP integration data exchange and to support the airports in the integration. This has been taking place by implementing data exchange capabilities in NM systems, engaging in activities with Stakeholders for projects coordination, communication and risks reporting on validation planning, definition of implementation guidance, system requirements and execution of validation activities with Airports.

The NM meeting the requirements of CP1 cannot be dependent on the completion of all Airports deployment which involves decisions on projects execution taken by local Airport/ANSP stakeholders, outside of NM's control and responsibilities, decisions which might cause delay in deployment activities.

The relevant CP1 Annex text is within section 4.3

The following elements should also be considered:

Noting the same text in the CP1 annex in section 4.3, the SDM also indicated that the SESAR Deployment Programme 2022 defines the Geographical Scope of Family 4.2.2 and from that scope, by December 2023, only Vienna was connected whereas the remainder of the airports as shown in Figure 16 were not connected yet. At the date of publication of this report, also Paris Charles de Gaulle and Paris Orly are connected with the NOP.

For mitigating this issue, collaborative actions are taking place between SDM, NM and the impacted airports. Specifically, SDM, NM and CP1 mandated Airports together with ACI are jointly working to define and speed up an implementation roadmap, taking into account that the work between NM and each CP1 airport takes approximately 5-6 months and cannot be performed in parallel for all cases. The objective is to have this Family scope fully implemented for all CP1 applicable airports as soon as possible, currently estimating mid-2025.

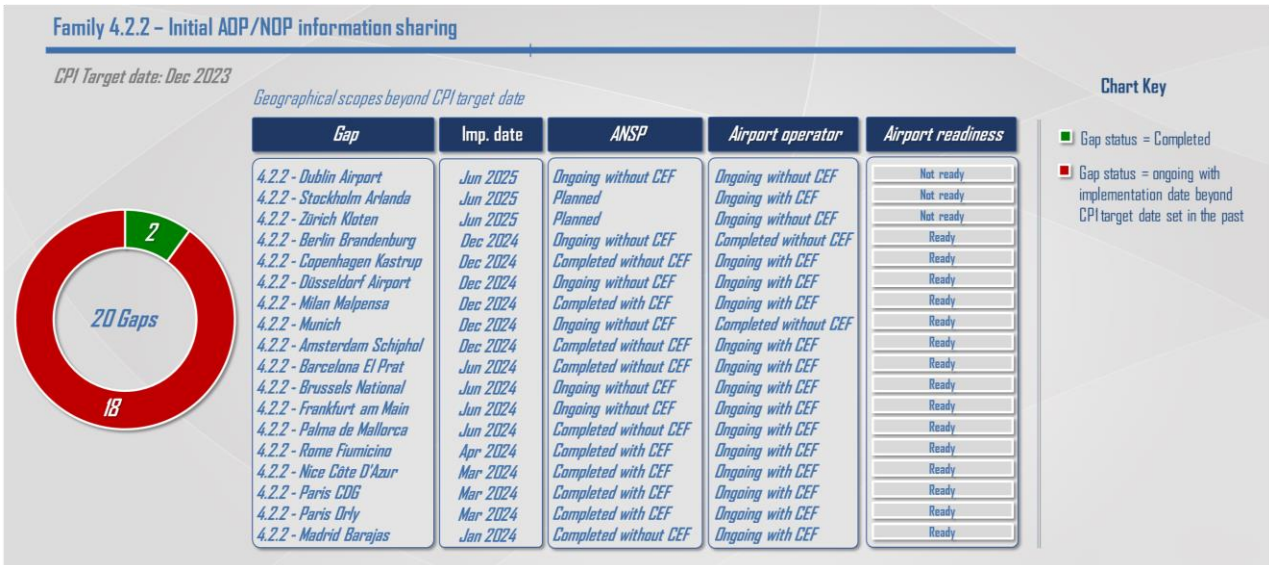


Figure 16 - Issues on CP1 deadlines in Family 4.2.2

Family 4.3.1 - Automated Support for Traffic Complexity Assessment and Flight Planning interfaces reached its CP1 regulatory target date on 31st December 2022. The implementation has been completed for 25 out of 29 countries and for MUAC and the Network Manager, whereas the implementation is still ongoing and will be completed beyond the CP1 target date for 4 countries.

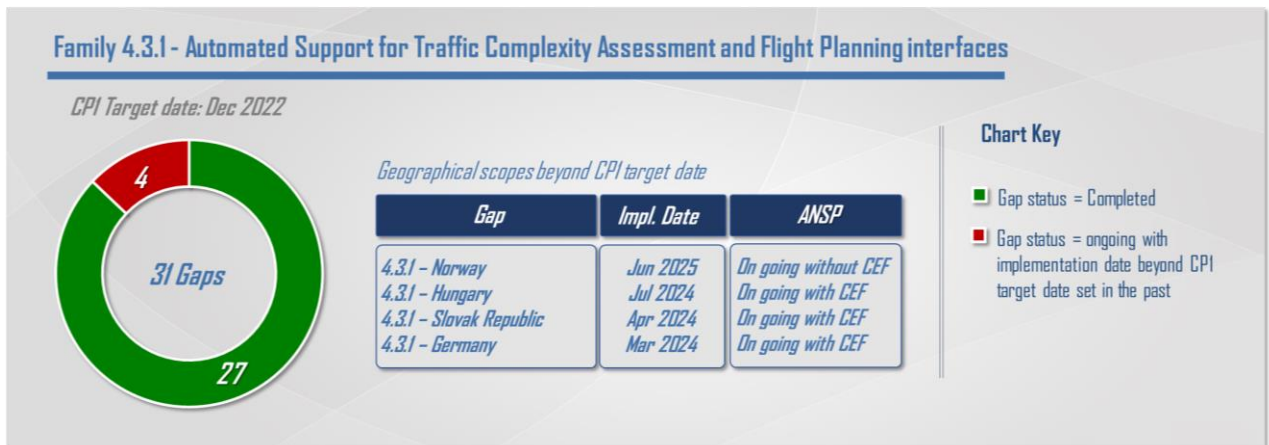


Figure 17 - issues on CP1 deadlines in Family 4.3.1

For Family 4.4.1 - AOP/NOP integration, three gaps are without any associated specific implementation plans. The implementation of this Family is also dependent on the deployment of Family 4.2.2 - Initial AOP/NOP Information Sharing. However, 90% of the Stakeholders have already started the implementation activities and all the foreseen implementation activities are expected to be completed by the CP1 target date (31st December 2027).

AF5 – SWIM

AF5 – SWIM

ATM Functionality #5 – implementation status per Families

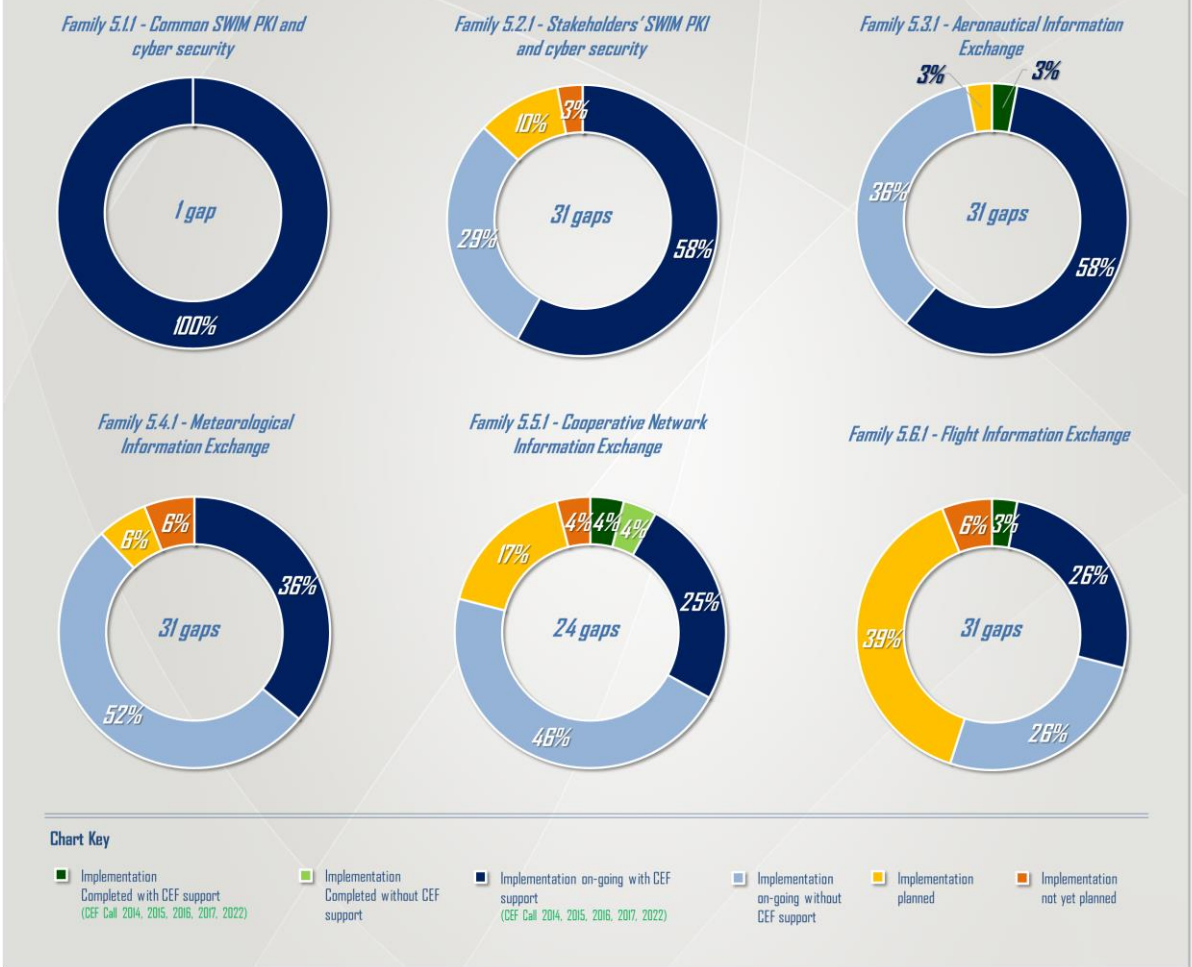


Figure 18 - AF5: current implementation status per Family

Family 5.3.1 Aeronautical Information Exchange

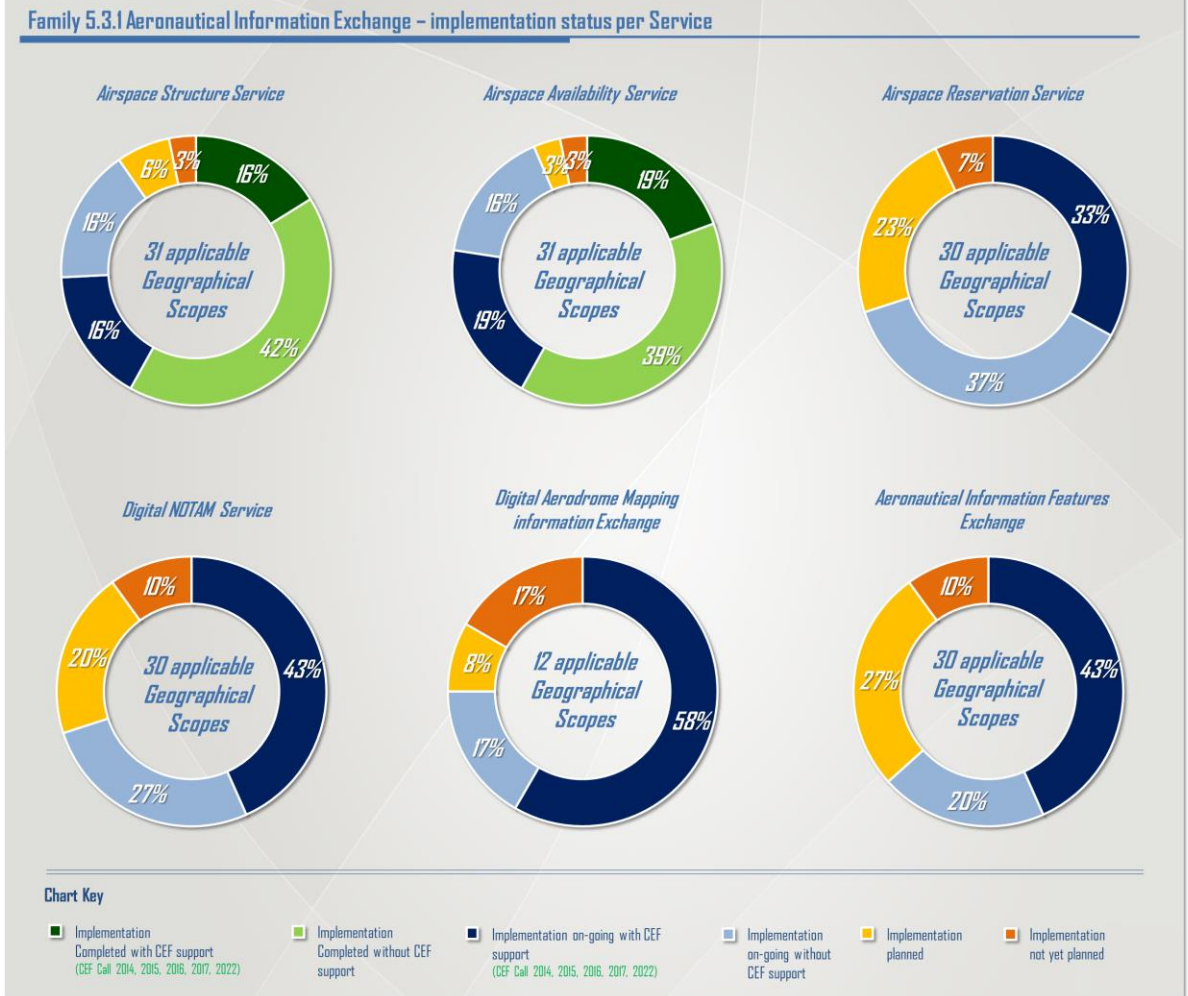


Figure 19 - Family 5.3.1: current implementation status per SWIM service

Family 5.4.1 Meteorological Information Exchange

Family 5.4.1 Meteorological Information Exchange - implementation status per Service

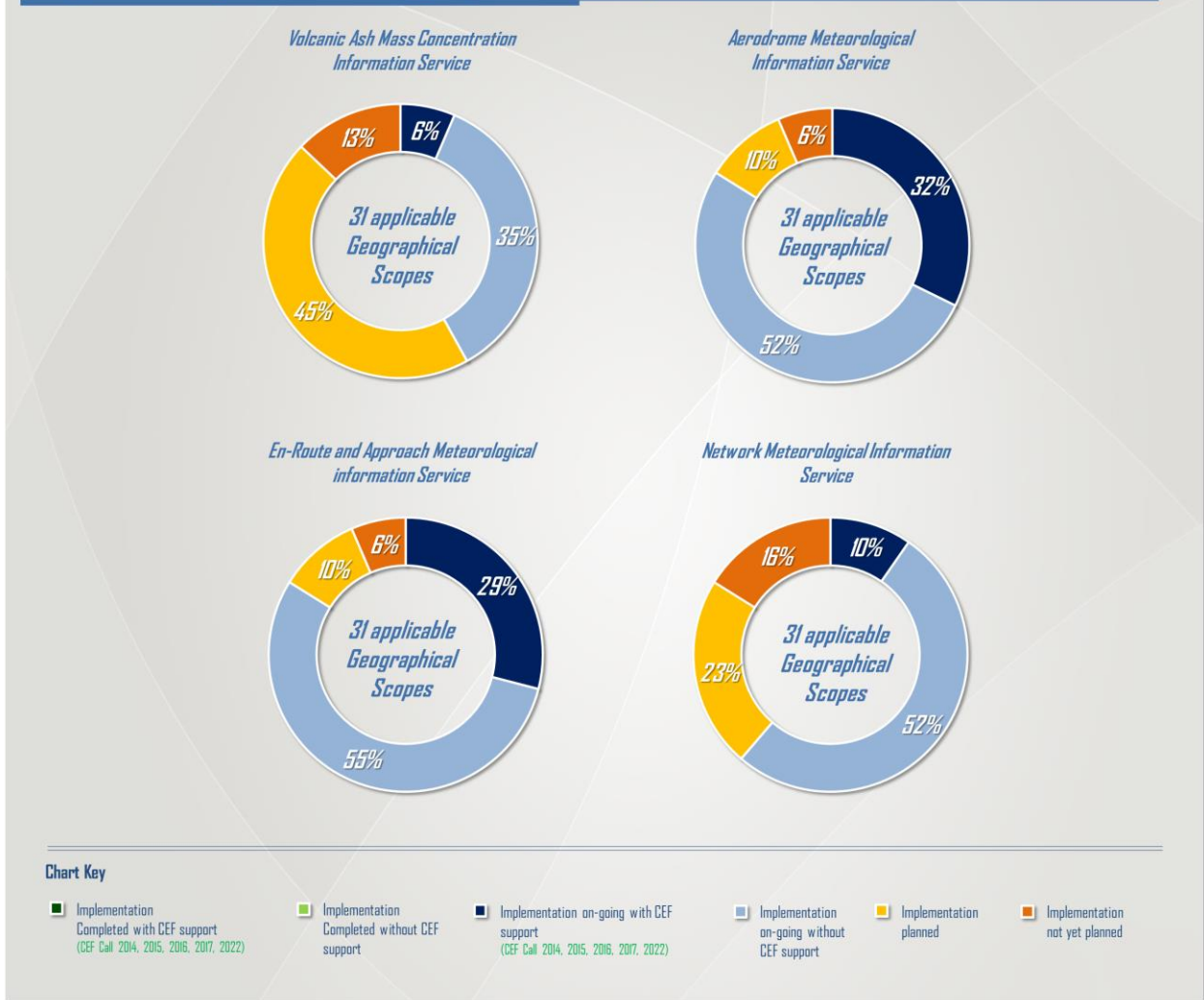


Figure 20 - Family 5.4.1: current implementation status per SWIM service

Family 5.5.1 Cooperative Network Information Exchange

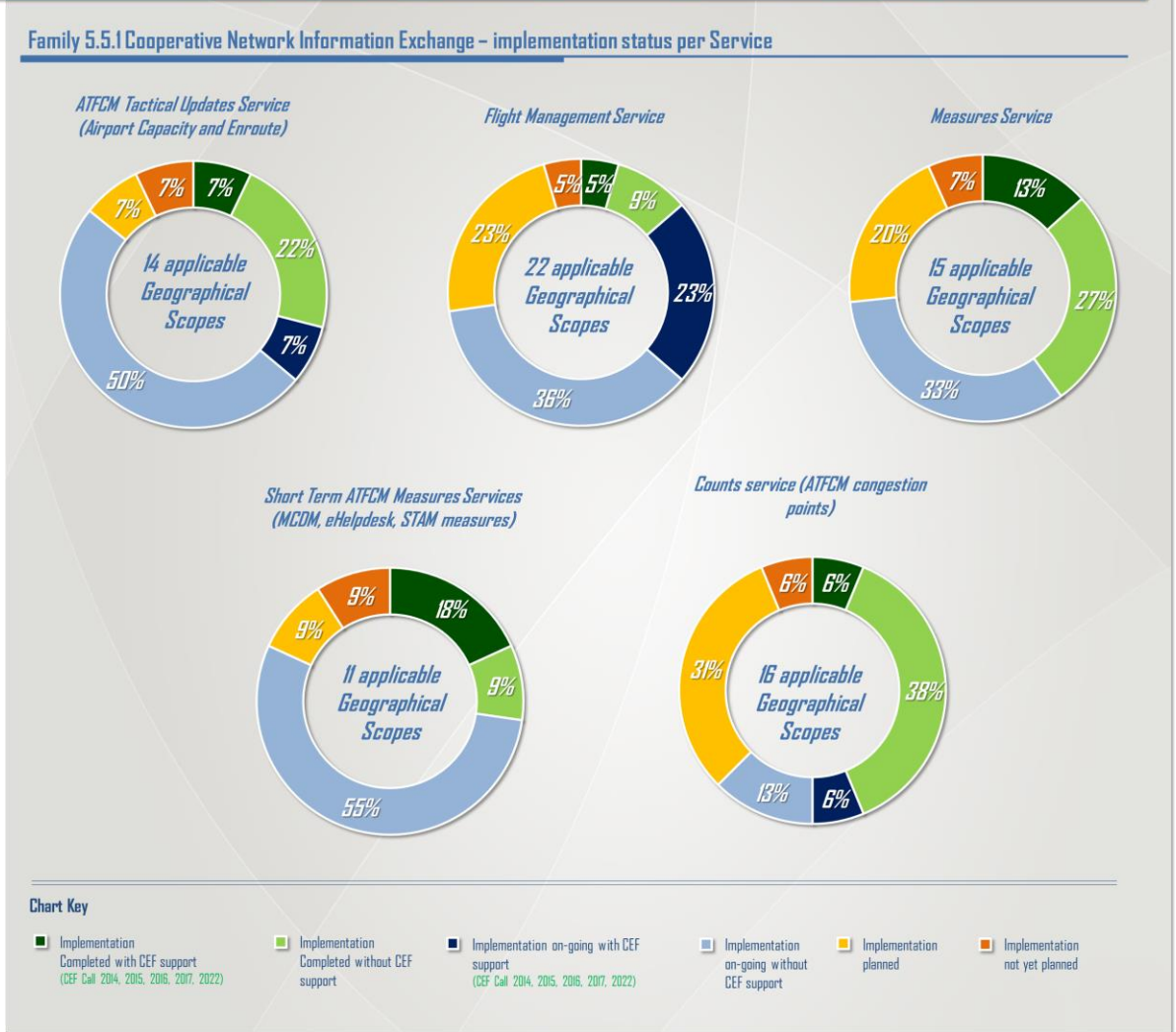


Figure 21 - Family 5.5.1: current implementation status per SWIM service

Family 5.6.1 Flight Information Exchange

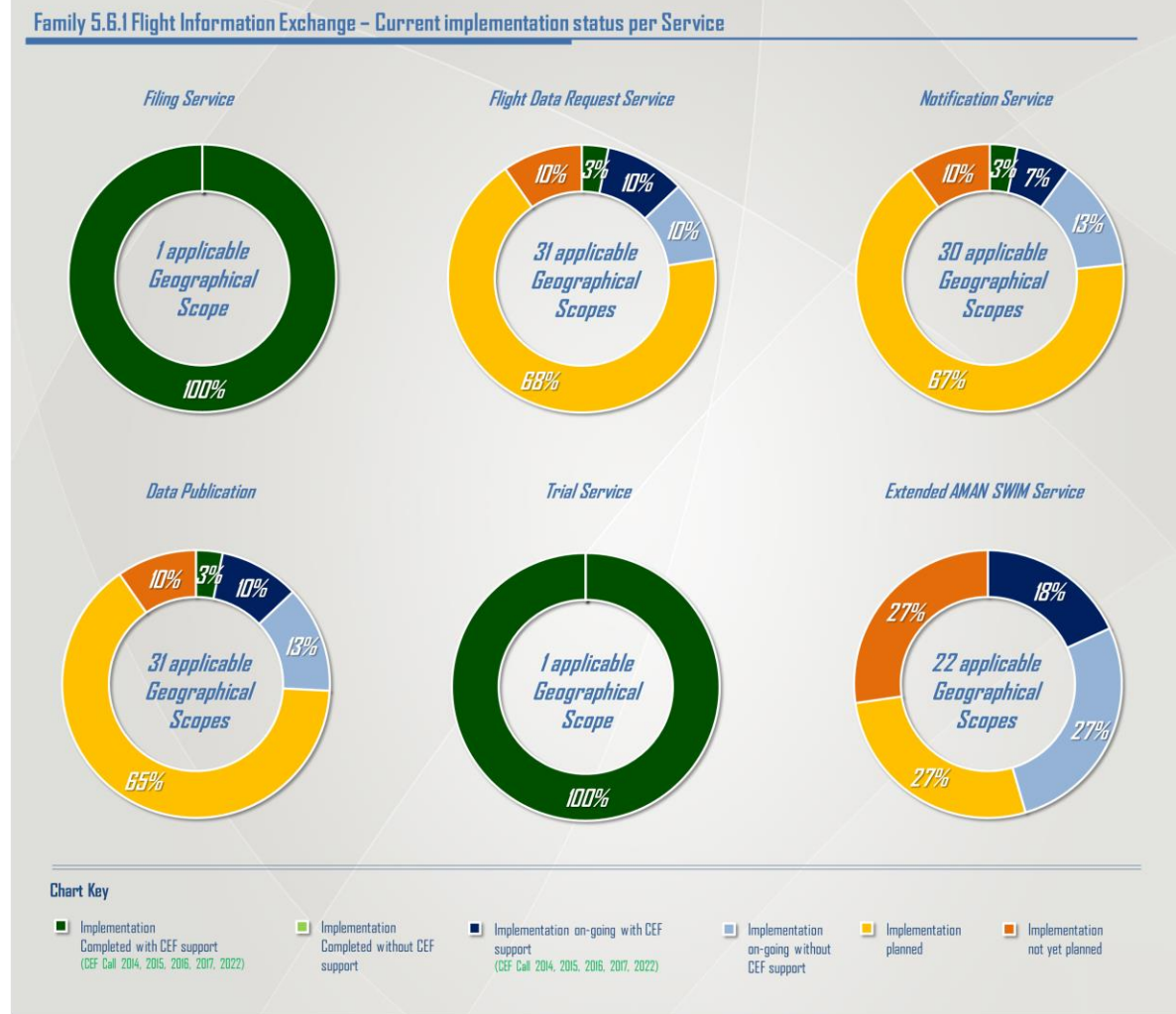


Figure 22 – Family 5.6.1: current implementation status per SWIM service

The overall implementation of the ATM Functionality 5 is progressing even if 19% of its scope is still either planned or not yet planned.

Currently 81% of the AF5 gaps have been addressed by the operational Stakeholders either through their full closure or through deployment activities currently on-going.

However, considering a total of 482 SWIM services to be implemented in each applicable area, the following facts can be highlighted:

- 64 (13%) services have been completed
- 239 (50%) services are ongoing
- 134 (28%) services are planned
- 45 (9%) services are not yet planned

Moreover, for 13% of ongoing and planned SWIM services, no foreseen implementation date can be reported since part of their remaining scope is not yet planned. In addition, 24% of the ongoing and planned services are currently expected to exceed the CP1 deadlines. Therefore, for one third of the AF5 services under implementation (i.e., either ongoing or planned), the regulatory deadline set on 31st December 2025 could not be met.

The implementation of Family 5.2.1 - *Stakeholders' SWIM PKI and cyber security*, which may differ depending on whether the Stakeholders will become a CA (Certificate Authority) themselves or use the European Common Aviation PKI (EACP) as developed by Family 5.1.1, is currently on-going for 87% of the gaps, while for 3 countries (10%) the implementation activities have been planned, whereas plans have

not been identified for 1 country (3%). The implementation in Norway is currently foreseen to be completed in 2029, beyond the CP1 regulatory deadline (31st December 2025). Moreover, for 9 out of 27 ongoing gaps, the foreseen implementation date cannot be displayed since their local scopes are either partly or entirely not yet planned, as shown in Figure 23.

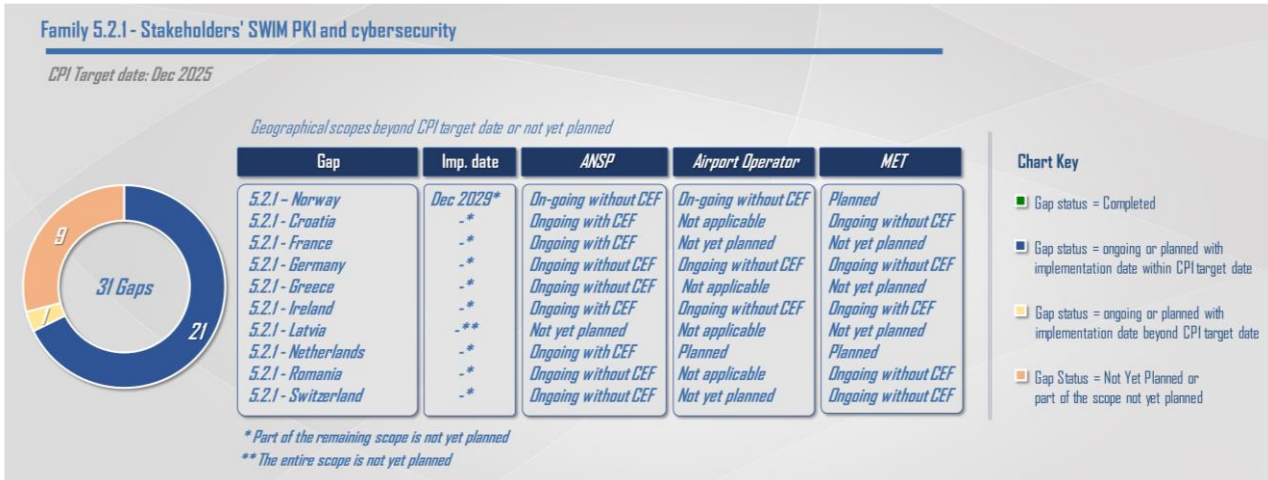


Figure 23 - Potential issues on CP1 deadlines in Family 5.2.1

Regarding the AF5 Families related to SWIM services for information exchange, the implementation of Family 5.3.1 - Aeronautical Information Exchange has been completed for 1 gap and is currently on-going for 94% of the gaps. The number of gaps foreseen to be closed beyond the CP1 regulatory target date (31st December 2025) has increased to 9 (30% of the Family scope) and, for additional 11 gaps (35% of the Family scope), a foreseen implementation date cannot be reported since part of their local scopes are not yet planned, as shown in Figure 24.

The registered delays are mainly due to the late implementation of the Airspace Reservation service (ARES) whose deployment is linked to the upgrade of the local ATC systems to ensure the automatic exchanges with local ASM systems.

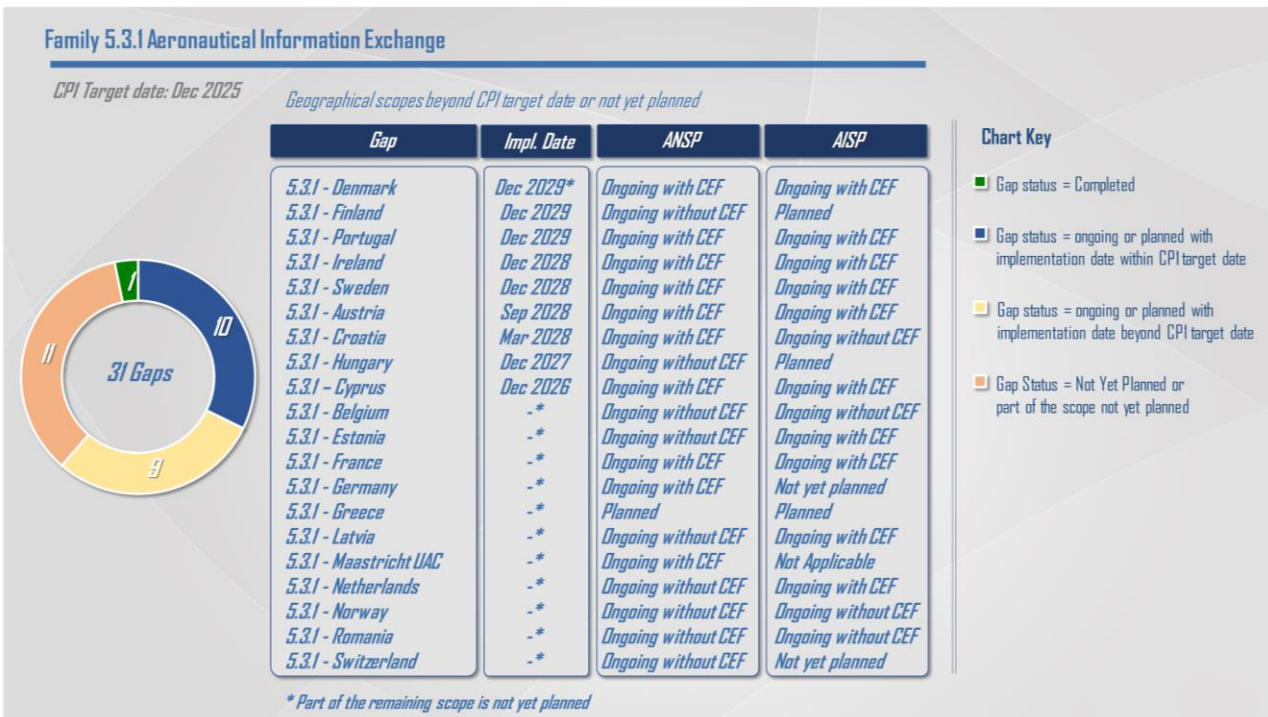


Figure 24 - Potential issues on CP1 deadlines in Family 5.3.1

The implementation of Family 5.4.1 - *Meteorological Information Exchange*, is showing criticalities since the implementation date for 11 countries has been reported beyond the CP1 regulatory target date (31st December 2025). Moreover, for 10 countries a foreseen implementation date cannot be reported since part of their local scopes are not yet planned and the local implementations are entirely not yet planned for 2 countries and Network Manager, as shown in Figure 25.

Delays affecting Family 5.4.1 are mainly driven by the En-Route and Approach Meteorological information service and the Network Meteorological Information service. The necessary upgrade to the FDP, a core component of each ATM system, which must have the capacity to use MET information like gridded upper wind information (trajectory or flight profile calculations) and/or local pressure measurements (QNH) represents the main delay factor.

In order to support the implementation of the Network Meteorological Information Service, a multistakeholder initiative, the CBCF (Cross Border Convection Forecast) project, was started. The project is led by EUMETNET and contributed by 24 METPs using the EuFoCS (European Forecast Collaboration System). According to the project plan, the provision of the information will be in operational use in 2024 and it is expected that Network Manager will have the technical capability to consume the information within the CP1 target date in 2025.

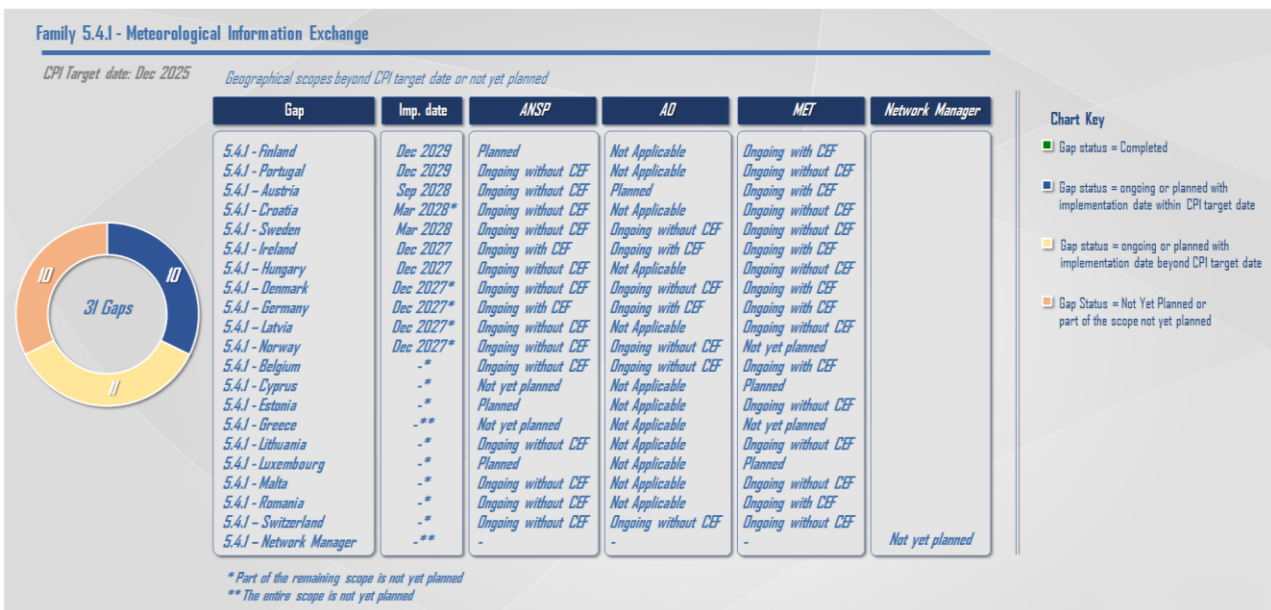


Figure 25 - Potential issues on CP1 deadlines in Family 5.4.1

On the other hand, the implementation of Family 5.5.1 - *Cooperative Network Information Exchange* has been completed for 2 gaps and is currently on-going for 17 gaps. 1 gap (Norway) has been reported beyond

the CP1 target date (31st December 2025), whereas for 4 countries, the final foreseen implementation date cannot be reported since part of the local scopes are not yet planned, as shown in Figure 26.

Family 5.5.1 has been reported not applicable for 7 countries (Croatia, Cyprus, Estonia, Latvia, Lithuania, Portugal and Slovak Republic) since:

- the set of information included in ATFCM Tactical Updates Service, Measures Service, Short Term ATFCM Measures services, Counts service is already exchanged via existing official tools provided by the NM.
- the implementation of Flight Management Service is not required since only Countries with at least one CP1 airport in their territory, as per CP1 paragraph 1.2, are mandated to consume AOP/NOP via NM B2B service.

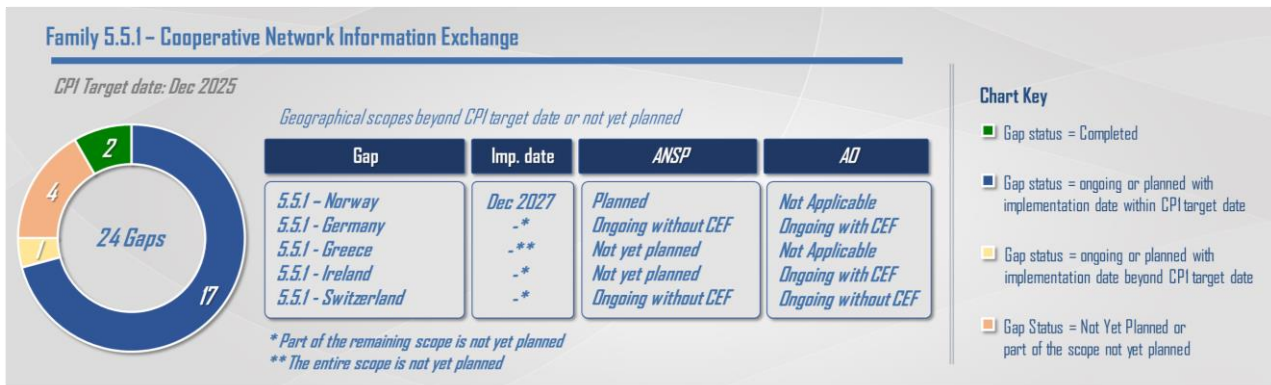


Figure 26 – Potential issues on CP1 deadlines in Family 5.5.1

Finally, the implementation of Family 5.6.1 - *Flight Information Exchange* is also proceeding at a slower pace, mainly due to the complexities linked to the transition from ICAO FPL2012 to FF-ICE flight plan (eFPL) and impacts on the ATC systems. Thus, the consumption of those services is currently very limited. To mitigate the low progress, SDM together with NM, launched an FF-ICE deployment supporting initiative to push forward this deployment. Currently, the implementation date for 21 countries and MUAC has been reported beyond the CP1 regulatory target date (31st December 2025) and is currently not yet planned for 2 countries and a foreseen implementation date cannot be shown for additional 2 countries since, despite the implementation is on-going, part of their scope is not yet planned.

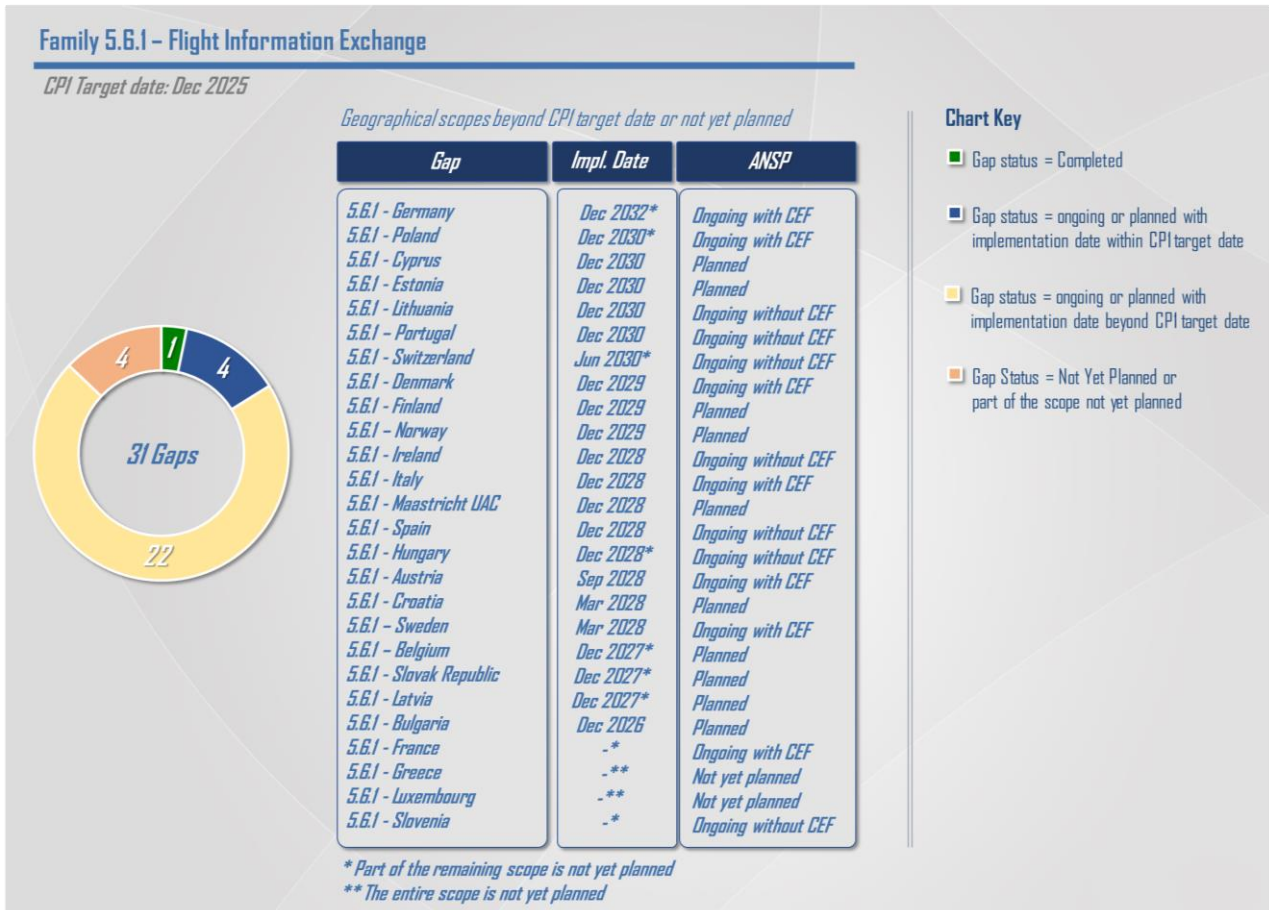


Figure 27 - Potential issues on CP1 deadlines in Family 5.6.1

In the framework of the FF-ICE/R1 deployment initiative, during the last monitoring exercise all implementing Stakeholders were approached to report on their implementation plans. A dedicated questionnaire was built to capture specific information with regard to the individual stakeholders' plans and the impacts on the local systems, at ACC, APP and Aerodrome Control Tower level. Thanks to the ANSPs' contributions gathered through the dedicated questionnaire, the overall FF-ICE/R1 Implementation Roadmap was elaborated and consulted with the impacted stakeholders.

According to the Roadmap, the implementation of FF-ICE/R1 in Europe will be substantially delayed beyond the CP1 regulatory deadline (31st December 2025). The full implementation is expected by 2032. As a matter of fact, FF-ICE/R1 implementation entails an essential transformational step forward for the ground systems. ANSPs are evaluating alternatives to either adapt their existing ATM systems or to invest in new ones with native SWIM features and new generation Flight Data Processing (FDP) capabilities, specifically designed for future Trajectory Based Operation (TBO).

Nonetheless, 25% of the mandated ANSPs will be able to provide specific initial FF-ICE operational capability by the end of 2025, even if full completion will not be achieved until all ATM systems in scope are upgraded. SDM and NM will continue supporting the operational stakeholders, on one side elaborating use case scenarios to assess the implementation benefits and providing the needed technical support, and on the other side, facilitating the engagement of the ATM systems' manufacturers to frame the technical solutions.

Figure 28 shows the dates reported by the mandated stakeholders for the FF-ICE/R1 Initial and Full Operational Capability (FOC). It has to be noted that, few misalignments were identified between the reporting of FF-ICE services in the LSSIP+ tool (namely, Flight Data Request Service, Notification Service and Data Publication Service) and the FOC dates reported in the FF-ICE/R1 questionnaire. Those

misalignments will be further assessed in the occasion of the upcoming SDP Risk Management Plan and the next Monitoring Exercise 2024.

Focus on FF-ICE/RI implementation roadmap

CPI Target date: Dec 2025

<i>Applicability area</i>	<i>Initial Operational capability</i>	<i>Full Operational capability</i>	<i>Applicability area</i>	<i>Initial Operational capability</i>	<i>Full Operational capability</i>
<i>Austria</i>	<i>*</i>	<i>2028</i>	<i>Latvia</i>	<i>*</i>	<i>2027</i>
<i>Belgium</i>	<i>2025</i>	<i>2027</i>	<i>Lithuania</i>	<i>*</i>	<i>2030</i>
<i>Bulgaria</i>	<i>2026</i>	<i>2026</i>	<i>Luxembourg</i>	<i>*</i>	<i>*</i>
<i>Croatia</i>	<i>*</i>	<i>2028</i>	<i>Maastricht UAC</i>	<i>2025</i>	<i>2028</i>
<i>Cyprus</i>	<i>*</i>	<i>2029</i>	<i>Malta</i>	<i>*</i>	<i>*</i>
<i>Czech Republic</i>	<i>2025</i>	<i>2025</i>	<i>Netherlands</i>	<i>*</i>	<i>2030</i>
<i>Denmark</i>	<i>*</i>	<i>2029</i>	<i>Norway</i>	<i>*</i>	<i>2029</i>
<i>Estonia</i>	<i>*</i>	<i>2029</i>	<i>Poland</i>	<i>2025</i>	<i>2032</i>
<i>Finland</i>	<i>*</i>	<i>2029</i>	<i>Portugal</i>	<i>*</i>	<i>2030</i>
<i>France</i>	<i>2025</i>	<i>2028</i>	<i>Romania</i>	<i>*</i>	<i>2025</i>
<i>Germany</i>	<i>2025</i>	<i>2032</i>	<i>Slovak Republic</i>	<i>*</i>	<i>2027</i>
<i>Greece</i>	<i>*</i>	<i>*</i>	<i>Slovenia</i>	<i>2025</i>	<i>2025</i>
<i>Hungary</i>	<i>*</i>	<i>2028</i>	<i>Spain</i>	<i>2025</i>	<i>2028</i>
<i>Ireland</i>	<i>*</i>	<i>2028</i>	<i>Sweden</i>	<i>*</i>	<i>2028</i>
<i>Italy</i>	<i>2025</i>	<i>2028</i>	<i>Switzerland</i>	<i>*</i>	<i>2030</i>

** Missing data*
** Date beyond CPI target date*

Figure 28 – Focus on FF-ICE SWIM service implementation target dates

The global AF5 situation is expected to improve in the near future, as all preparatory work is demonstrating significant progress and especially thanks to the multi-stakeholder initiatives and to their contribution to overall deployment of SWIM. Furthermore, thanks to a major coordination effort, bilaterally reaching out to all CP1 mandated Stakeholders to create awareness and share best practices, substantial improvements continue to be tangible even if the number of gaps expected to be closed beyond the AF5 CP1 target date (31st December 2025) has increased, especially in Family 5.3.1 – *Aeronautical Information Exchange*, Family 5.4.1 – *Meteorological Information Exchange* and Family 5.6.1 – *Flight Information Exchange*.

AF6 – Initial Trajectory Information Sharing

AF6 - Initial Trajectory Information Sharing

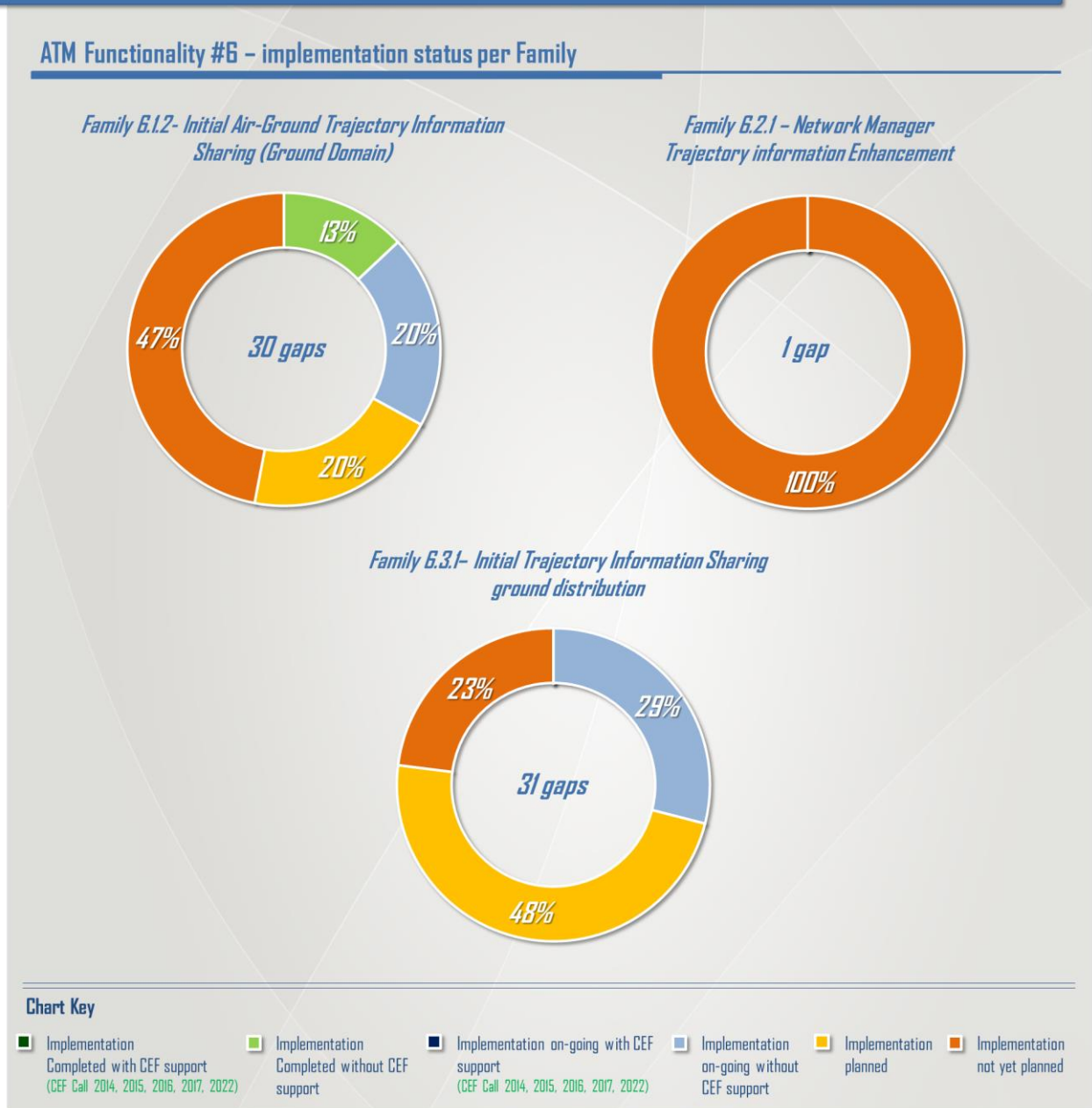


Figure 29 – AF6: current implementation status per Family

The overall implementation of the ATM Functionality 6 is in the process to be addressed by the operational Stakeholders. In fact, 58% of the Family scope is either ongoing (24%) or has been planned (34%). However, AF6 shows the largest portion of gaps (35% of the Family scope) for which no dedicated plans have been identified.

The commitment of several Stakeholders was linked to the confirmation of AF6 readiness by the “Industrialisation Target Date”, set by CP1 regulation on 31/12/2023. The European Union Aviation Safety Agency (EASA), with the aid of a CP1 Industrialisation Forum, conducted an assessment in respect of the progress in achieving readiness for implementation. The conclusion of such assessment indicates that AF6 is ready for implementation. Thus, the progress of AF6 is expected to ramp up starting from the next monitoring cycle.

The implementation of Family 6.1.2 – *Initial Air-Ground Trajectory Information Sharing (Ground Domain)*, is already completed for 13% of the gaps, while 20% of the gaps is ongoing and the remaining 67% of the

gaps is either planned or not yet planned. This implementation in Lithuania, Norway, Denmark, Finland, Austria, Sweden and Croatia is currently foreseen to be completed beyond the CP1 regulatory deadline (31st December 2027). No plans have been identified yet for 14 gaps, and for 1 gap the foreseen implementation date cannot be displayed since part of its local scope is not yet planned, as shown in Figure 30.

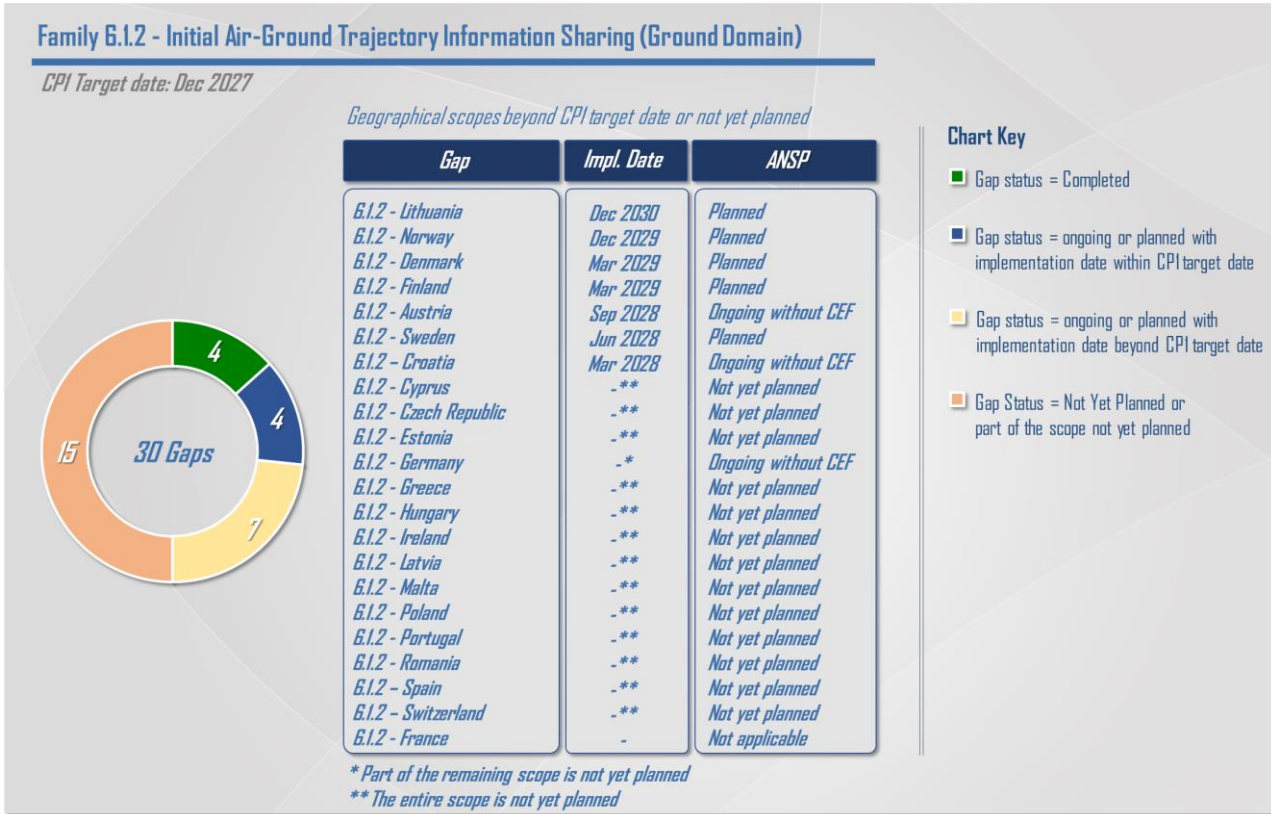


Figure 30 - Potential issues on CP1 deadlines in Family 6.1.2

With reference to the unique gap for Family 6.2.1 – *Network Manager Trajectory Information Enhancement*, identified for Network Manager, is currently not yet planned as this functionality is not yet validated.

The implementation of Family 6.3.1 – *Initial Trajectory Information Sharing Ground Distribution* is ongoing and 58% of the Family scope is foreseen to be timely completed by December 2027 (18 out of 31 gaps). This implementation in Austria, Lithuania and Croatia is currently foreseen to be completed beyond the CP1 regulatory deadline (31st December 2027). Moreover, no plans have been identified yet for 23% of the

gaps, and for 13% of the gaps the foreseen implementation date cannot be displayed since part of their local scopes are not yet planned, as shown in Figure 31.

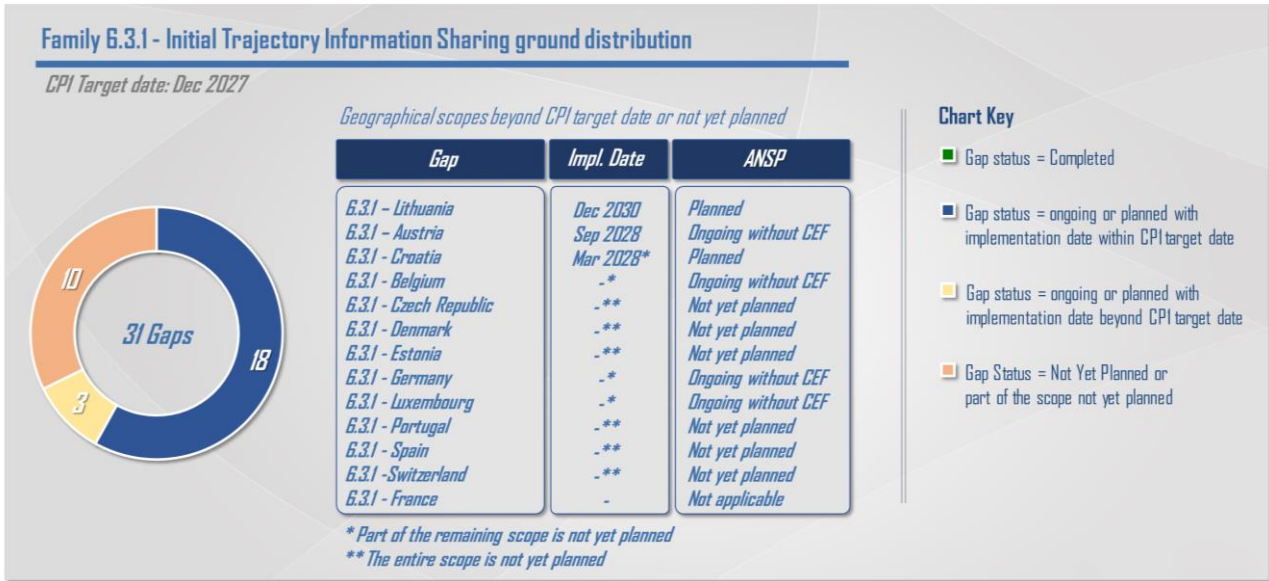


Figure 31 - Potential issues on CP1 deadlines in Family 6.3.1

The implementation of Family 6.3.1 is being supported by the ANSPs' participation to the ATS Common Datalink Services (ACDLS) Governance initiative. Its objective is to limit the number of simultaneous contracts to obtain the same ADS-C data, thanks to a single responsibility to collect ADS-C data from airborne users and distribute it to the relevant ground users.

2. Detailed Views per SDP Family and per SWIM services

Complementing the overall picture of the deployment at global level, the specific structure of the Monitoring Exercise (and especially its engagement of all operational Stakeholders impacted by Regulation (EU) n. 2021/116) also allows to outline detailed views at local level, providing an accurate representation of the implementation progresses within each country or airport included within the CP1 geographical scope. To this end, the Family-based charts included within the present Section aim at reporting on the overall status of implementation of technological and operational elements associated to each Family at local level, whilst also identifying the expected implementation date of such Family within the relevant country or airport.

This detailed outlook supports the identification of the main implementation areas to be tackled by future investments and helps avoiding any gap or critical delay in the Programme's implementation. Furthermore, the information gathered from each organisation engaged in the exercise results into dedicated *views per Stakeholder*, which outline how ANSPs, Airport Operators, MET Service Providers, AISPs and Network Manager are involved in tackling the existing implementation gaps.

Family Views of AF5 Service Families are complemented with specific Service Views, aiming at detailing the implementation status of Providers and Consumers of each Service, and the overall implementation status at service level for each country.

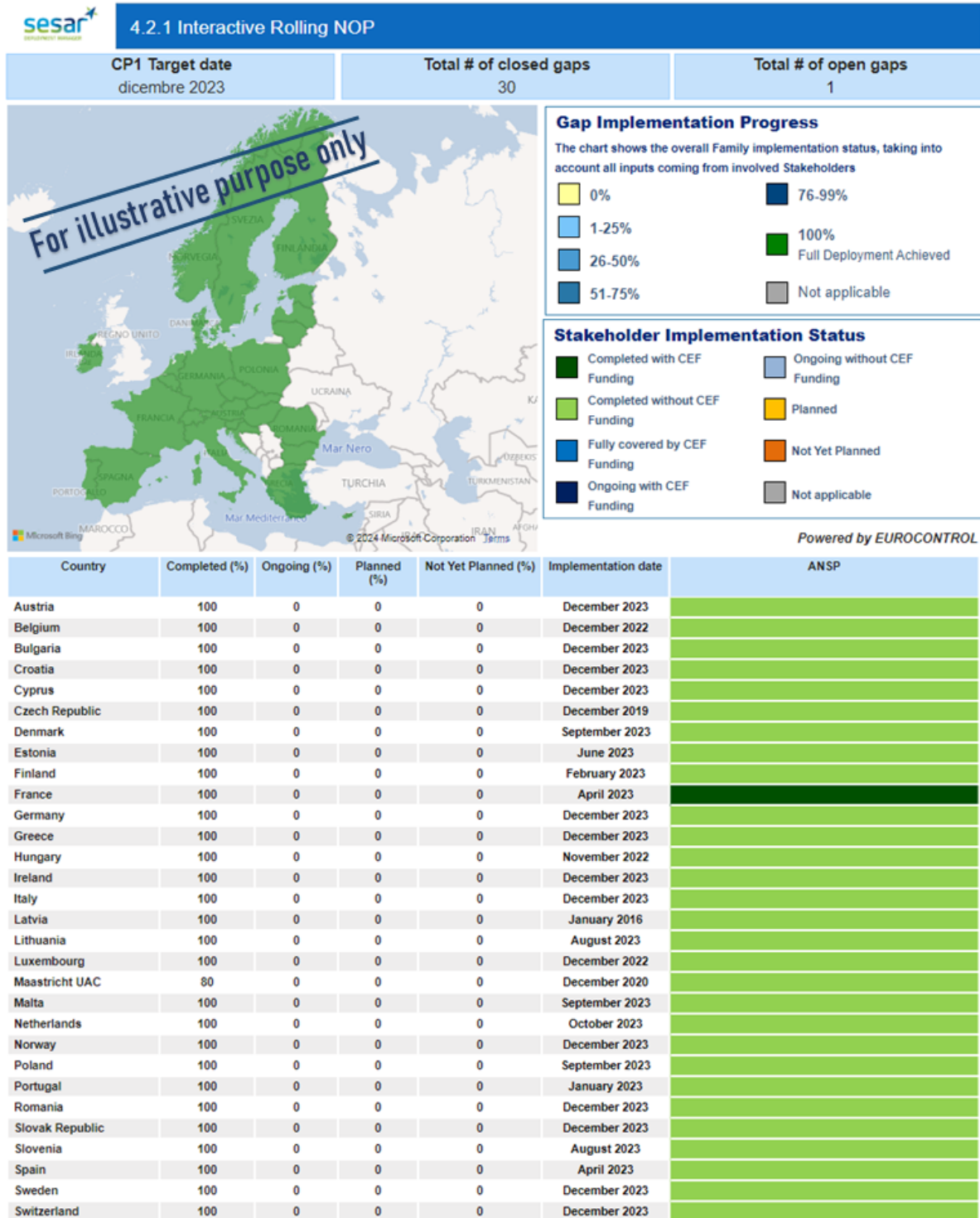
The overall picture of the "geography-based" ground gaps is complemented by the overview on the Airspace Users gaps, defined instead on a fleet-centric approach, due to the fact that AU operations typically expand beyond national and regional borders and affect the whole geographical scope defined by the Common Project One. A specific template based on targeted technical questions structured with the purpose of identifying the status of the technical requirements of each applicable SDP Family has been distributed to Airlines operating within the European Union, in order to build a representative view of the current status of implementation.

Due to the specific requirements of Family 5.1.1 - Common SWIM PKI and cyber security, the deployment activities are following a coordinated and EU-wide approach, rather than been steered by locally-based implementation initiatives. As an example, CEF IP 2017_084_AF5 "SWIM Common PKI and policies & procedures for establishing a Trust framework" is a multi-stakeholder initiative, awarded in 2017 CEF Transport Call, aiming at deploying a common framework for both integrating local Stakeholder PKI deployments in an interoperable manner, as well as providing interoperable digital certificates to the users of SWIM services.

Structure and layout of the detailed Views

Family View

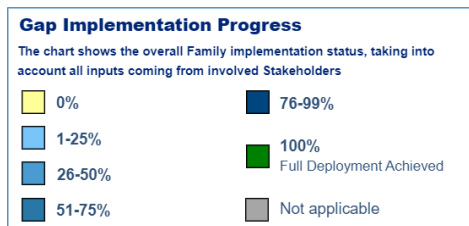
An example of the charts used to provide a representation of the results of the Monitoring Exercise is proposed hereafter for illustrative purposes.



The structure of the chart has been developed with the specific objective of providing the reader with a wide set of data and information within a single snapshot: the following paragraphs include an overall explanation on how the information is presented.

The Europe map shows different colours for each country included within the geographical scope of Regulation (EU) n. 2021/116. For ATM Functionalities 1, 2 and 4 specifically for Families whose geographical scope is structured on an airport basis, the applicable airports are indicated.

These colours provide a quick and effective indication of the overall implementation status of the Family, as each of them represents a different percentage of completion of the Family, corresponding to the current percentage of implementation (i.e. what has been already deployed by the relevant operational Stakeholders).



Country	Completed (%)	Ongoing (%)	Planned (%)	Not Yet Planned (%)	Implementation date
Austria	100	0	0	0	November 2016
Belgium	100	0	0	0	December 2022
Bulgaria	100	0	0	0	December 2021
Croatia	100	0	0	0	December 2021
Cyprus	0	0	0	100	
Czech Republic	100	0	0	0	December 2022
Denmark	100	0	0	0	June 2016
Estonia	100	0	0	0	April 2020

This percentage ("Completed") is also explicitly reported in the table on the left, for each applicable country or airport. The current status of implementation is then complemented by three additional percentages:

- the "Ongoing" percentage, which identifies the percentage of the Family that is covered by ongoing activities (both within and beyond the SDM coordination⁶);
- the "Planned" percentage, which identifies the percentage of Family which has not started yet, but there are plans to cover them by future initiatives;
- the "Not Yet Planned" percentage, which corresponds to the percentage of the Family for which no specific plan has been elaborated by the relevant operational Stakeholders.

In addition, thanks to the information gathered from the organisations consulted through the Monitoring Exercise, an expected implementation date is provided for each gap: this date represents the expected date of achievement of the full deployment, i.e. the date in which all operational Stakeholders operating within a certain country/airport plan to complete the implementation of the Family. The expected implementation date is coloured in red when it is set beyond the regulatory target date. When part of the scope is not yet planned, the implementation date for the full deployment cannot be reported.

All information stemming from local deployment initiatives is summarised within the boxes included in the upper section of the chart, which report – at Family level – the following information:

- the CP1 target date;
- the total number of gaps which have already been closed by operational Stakeholders;
- the total number of gaps which remain open, thus needing additional deployment activities before the full implementation is achieved at local level.

CP1 Target date December 2023	Total # of closed gaps 30	Total # of open gaps 1
----------------------------------	------------------------------	---------------------------

For each country or airport, the right section of the table allows readers to check the status of implementation for each category of Stakeholders impacted by the Regulation and involved in the Family full deployment. According to the SESAR Deployment Programme, the following Stakeholders' categories are requested to directly invest to fill-in the implementation gaps and are therefore potentially eligible for co-funding under the upcoming CEF Transport Calls:

⁶ For gaps addressed by initiatives under its specific coordination, SDM is also able to perform an additional cross-check and consistency assessment of the information gathered from Stakeholders vis-à-vis the actual progress of the Implementation Projects. For gaps outside SDM direct coordination, the scope of local initiatives and plans is evaluated only on the basis of information provided by operational Stakeholders.

- ANSPs;
- MET providers;
- AISPs;
- Airport Operators.

At National level (Country gaps), Civil and Military Stakeholders were asked to coordinate a single input on the deployment status for each SDP Family in LSSIP+, notably due to the high interdependency of military and civil projects in this domain. For this reason, the category Military Authority is no longer present in the document.








The Network Manager implementation status, its percentages of

	Completed (%)	Ongoing (%)	Planned (%)	Not Yet Planned (%)	Implementation date	Network Manager
Network Manager	100	0	0	0	December 2022	

completion and related implementation date are presented – when applicable – in a dedicated section at the bottom of the chart.

Building and further refining the clustering used in the previous releases of the Deployment Programme, eight categories of implementation status have been identified for each involved Stakeholder.

This information is featured in the right section of the table at the bottom of the chart and is populated on the basis of inputs provided by operational Stakeholders through the Monitoring Exercise.

Stakeholder Implementation Status	
	Completed with CEF Funding
	Completed without CEF Funding
	Fully covered by CEF Funding
	Ongoing with CEF Funding
	Ongoing without CEF Funding
	Planned
	Not Yet Planned
	Not applicable

The following chart key / categories are represented:

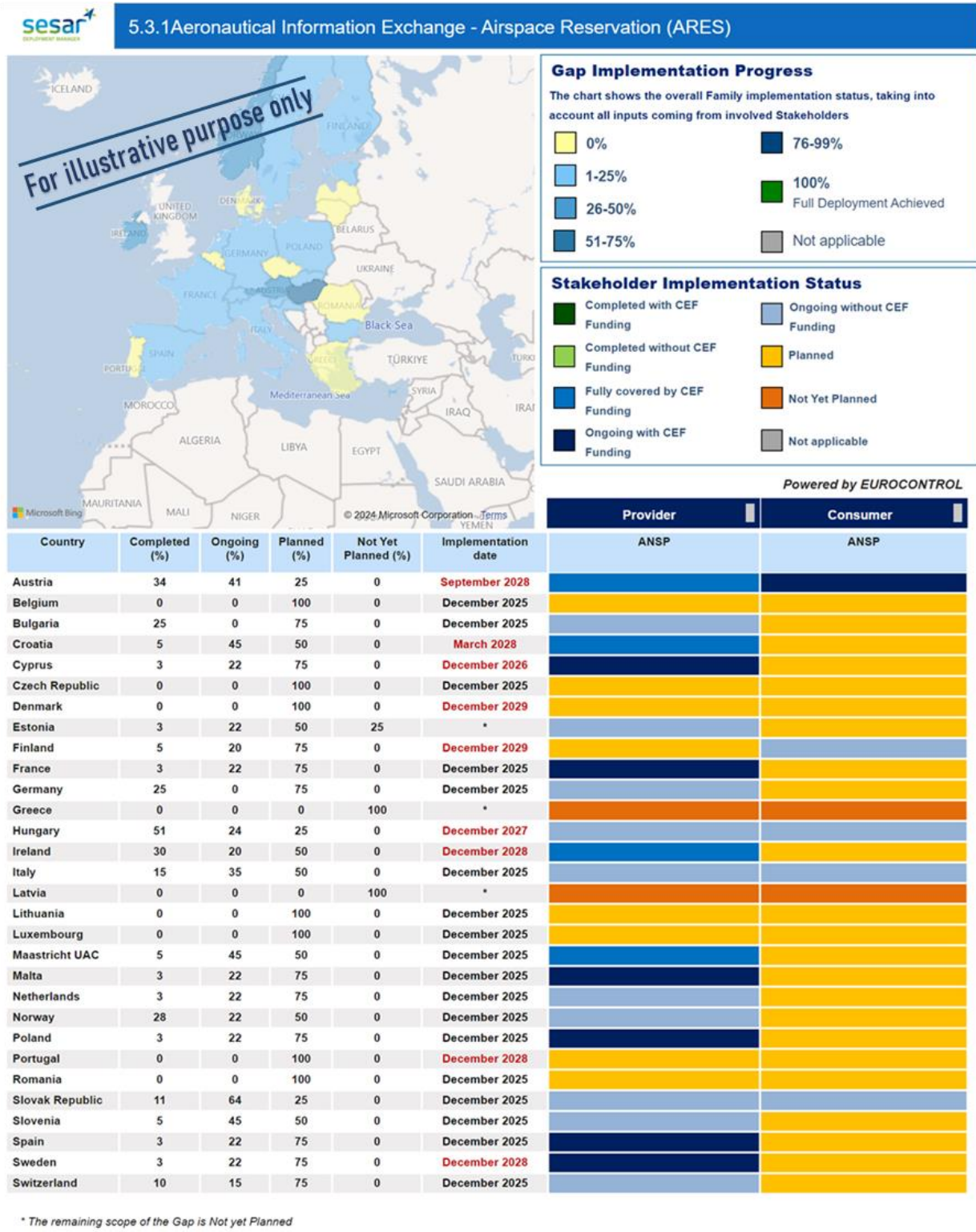
- Family's scope *Completed with CEF funding*, when all achievement conditions are respected and have been met, with the support of CEF Funding and under the direct coordination of the SESAR Deployment Manager;
- Family's scope *Completed without CEF funding*, when all achievement conditions are respected and have been met, through deployment activities performed by local Stakeholders without the coordination of SDM;
- Family's scope *Fully covered by on-going CEF projects*, when the current SDM-coordinated Implementation Projects are expected to lead to the full deployment of the technological and operational elements associated to the Family from the operational Stakeholder's perspective;
- Implementation *Ongoing with CEF funding*: when activities have already started with the support of CEF Funding and under the direct coordination of the SESAR Deployment Manager;
- Implementation *Ongoing (without CEF funding)*: when activities have already started, through deployment activities performed by local Stakeholders without the coordination of SDM;
- Implementation *Planned*: when activities have not started yet, but there are plans to execute them;
- Implementation *Not yet planned*: when there are no specific plans to perform the activities required, this status implies that the expected implementation date is unknown;
- *Not applicable*: in this case, taking into account the specific features and the local arrangements of the geographical scope of the implementation, the activities are considered to be not within the Stakeholders' responsibilities;

It is worth noting that – having regard to *Completed with CEF*, *Fully covered by on-going projects* and *Ongoing with CEF* status – the Monitoring View takes into account all Implementation Projects awarded within the framework of CEF Calls 2014, 2015, 2016, 2017 and 2022.

The scope of the local initiatives or plans (i.e. the percentage of the gap that will be addressed) is evaluated and assessed on the basis of Stakeholders' declarations.

Service View

In order to provide a comprehensive view on AF5 implementation status, a dedicated chart, with similar structure as described above, is provided for each single SWIM service constituting Families 5.3.1, 5.4.1, 5.5.1 and 5.6.1. At this level, a clear distinction of the Stakeholder’s role as Provider or Consumer of services is provided through specific labels above the Stakeholder’s category name as shown in the example below.



Ground Gaps – Family and Service View

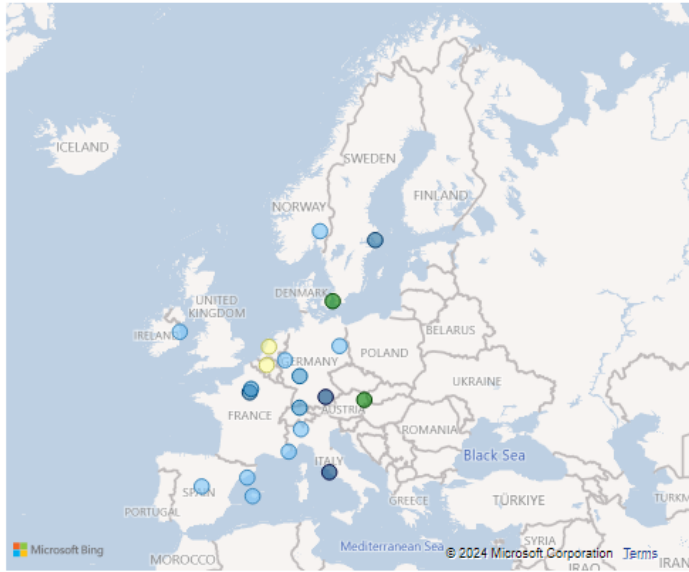
AF1 – Extended AMAN and Integrated AMAN/DMAN in the high-density TMA

Family 1.1.1 – Arrival Manager extended to en-route airspace



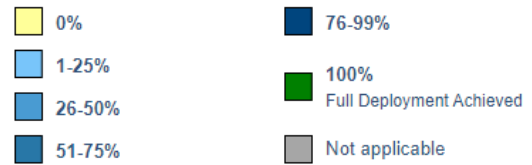
1.1.1 Arrival Management extended to en-route airspace

CP1 Target date December 2024	Total # of closed gaps 2	Total # of open gaps 18
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Gap Implementation Progress

The chart shows the overall Family implementation status, taking into account all inputs coming from involved Stakeholders



Stakeholder Implementation Status



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Airport	Completed (%)	Ongoing (%)	Planned (%)	Not Yet Planned (%)	Implementation date	ANSP
Amsterdam Schiphol	0	4	58	38	*	
Barcelona El Prat	5	55	40	0	December 2025	
Berlin Brandenburg	22	7	9	62	*	
Brussels National	0	1	8	91	*	
Copenhagen Kastrup	100	0	0	0	June 2018	
Dublin Airport	22	68	10	0	December 2024	
Düsseldorf Airport	15	4	0	81	*	
Frankfurt am Main	50	0	0	50	*	
Madrid Barajas	6	8	86	0	December 2025	
Milan Malpensa	22	68	10	0	December 2024	
Munich Franz Josef Strauss	86	0	0	14	*	
Nice Côte D'Azur	16	57	0	27	*	
Oslo Gardermoen	16	15	69	0	December 2025	
Palma de Mallorca Son Sant Joan	7	40	53	0	December 2025	
Paris Charles de Gaulle	43	17	30	10	*	
Paris Orly	69	11	20	0	April 2024	
Rome Fiumicino	77	3	20	0	December 2024	
Stockholm Arlanda	65	2	33	0	December 2024	
Vienna Schwechat	100	0	0	0	November 2021	
Zürich Kloten	42	9	49	0	December 2025	

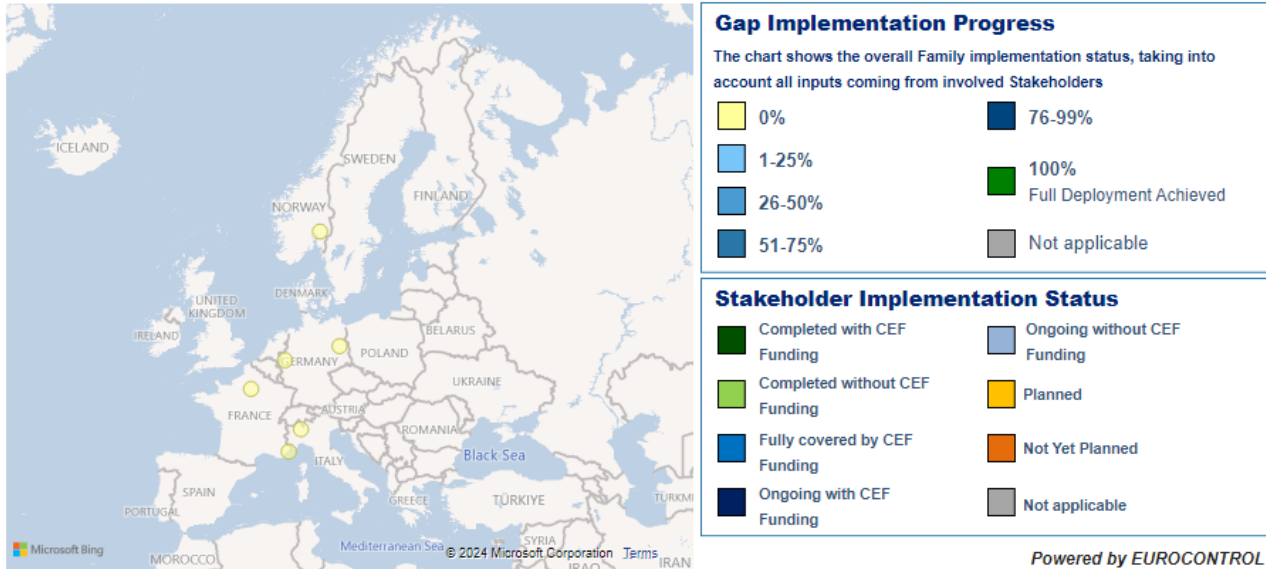
* The remaining scope of the Gap is Not yet Planned

Family 1.2.1 – AMAN/DMAN Integration



1.2.1 AMAN/DMAN Integration

CP1 Target date December 2027	Total # of closed gaps 0	Total # of open gaps 6
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Airport	Completed (%)	Ongoing (%)	Planned (%)	Not Yet Planned (%)	Implementation date	ANSP	Airport Operator
Berlin Brandenburg	0	0	0	100	*	Not Yet Planned	Not Yet Planned
Düsseldorf Airport	0	0	0	100	*	Not Yet Planned	Not Yet Planned
Milan Malpensa	0	0	100	0	December 2027	Planned	Not Yet Planned
Nice Côte D'Azur	0	0	0	100	*	Not Yet Planned	Not Yet Planned
Oslo Gardermoen	0	0	0	100	*	Not Yet Planned	Not Yet Planned
Paris Charles de Gaulle	0	0	0	100	*	Not Yet Planned	Not Yet Planned

* The remaining scope of the Gap is Not yet Planned

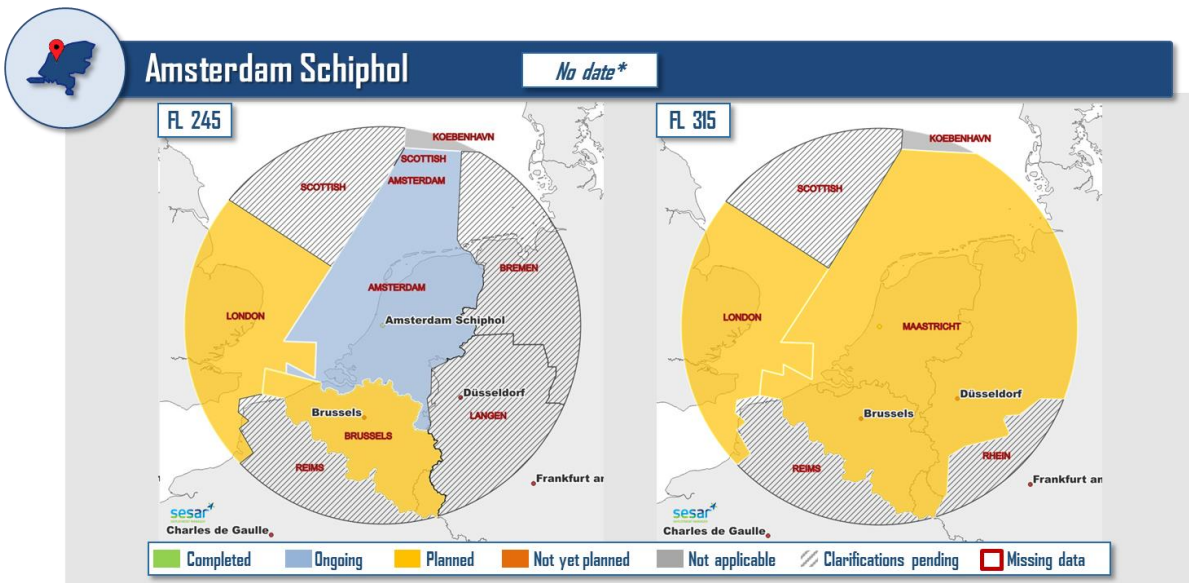
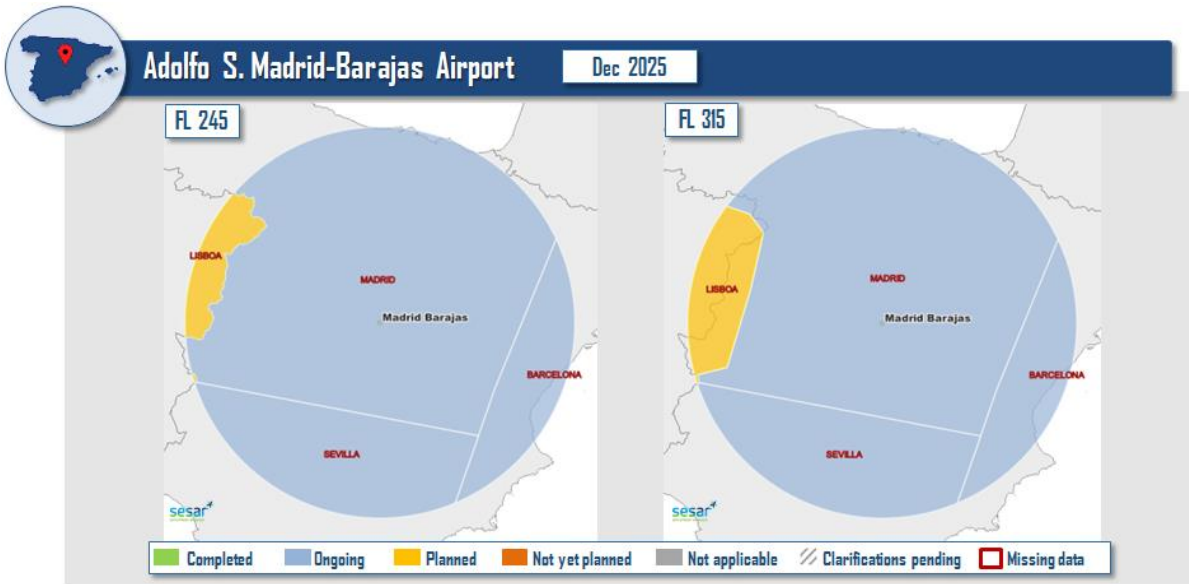
Focus on Extended AMAN implementation

The Arrival Manager extended to en-route airspace requires an extension of AMAN horizon up to a minimum of 180 nautical miles from the arrival airport. Taking into account these specific requirements, operational Stakeholders were requested to report the implementation status of the relevant ACCs for each applicable airport.

In this perspective, the following maps report on the status of implementation of Extended AMAN in the 20 airports, providing specific information on the Area Control Centres impacted by the deployment activities (within 180 nautical miles). These tables are differentiated, where necessary, by Flight Level (FL) when the same airspaces are managed by different U/ACCs depending on the specific FLs.

According to the SESAR Deployment Programme, shorter horizon distance will be considered when, due to the geographical location of the arrival airport, the extension of the AMAN horizon does not provide additional performance benefits. In this case, stakeholders are requested to provide SDM with specific evidences to justify the non-applicability of the specific ACC connections. In this respect, and with the support of the AF1 Coordination Platform, SDM elaborated the document "Family 1.1.1 Arrival Management extended to en-route airspace - Extended Aman non-applicability assessment process", which aims at providing guidance on the assessment criteria and the verification process.

In the maps shown below, the statuses of the ACCs connections reported as Not Applicable, and for which the verification process is not concluded yet, have been depicted as "Clarifications pending".

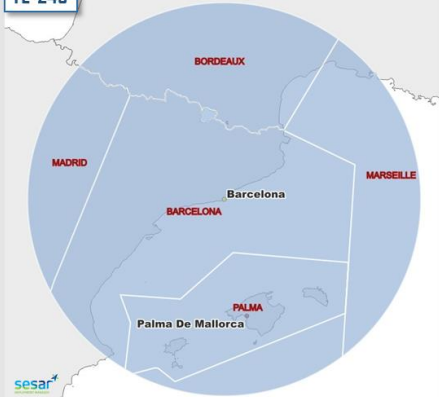




Barcelona-El Prat Airport

Dec 2025

FL 245



FL 315



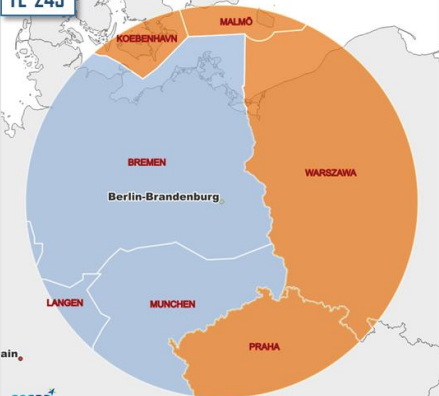
Completed Ongoing Planned Not yet planned Not applicable Clarifications pending Missing data



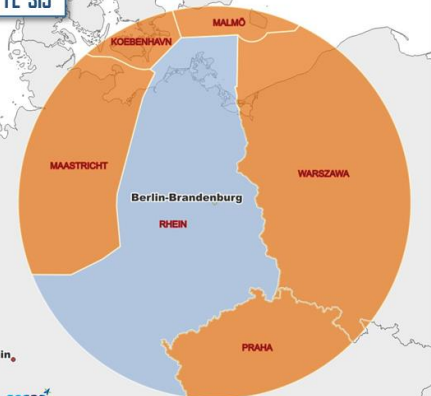
Berlin Brandenburg Airport

No date*

FL 245



FL 315



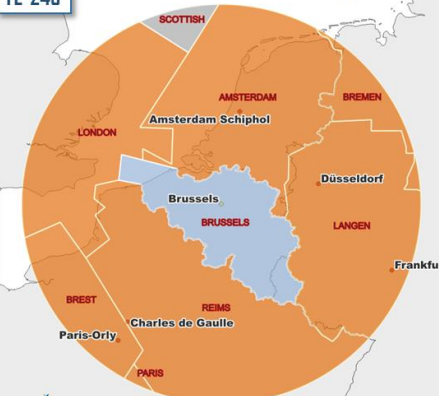
Completed Ongoing Planned Not yet planned Not applicable Clarifications pending Missing data



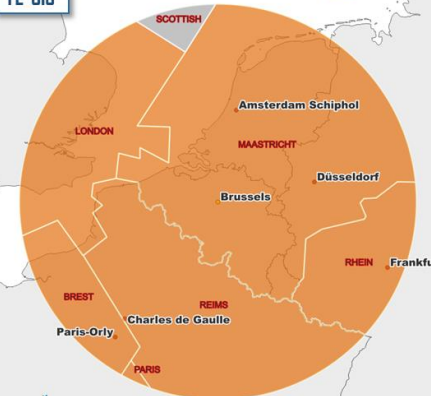
Brussels National Airport

No date*

FL 245



FL 315



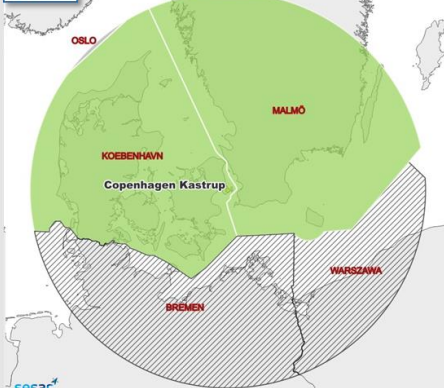
Completed Ongoing Planned Not yet planned Not applicable Clarifications pending Missing data



Copenhagen Kastrup Airport

Jun 2018

FL 245



FL 315



Completed Ongoing Planned Not yet planned Not applicable Clarifications pending Missing data



Dublin Airport

Dec 2024

FL 245



FL 315



Completed Ongoing Planned Not yet planned Not applicable Clarifications pending Missing data



Dusseldorf Airport

No date*

FL 245



FL 315



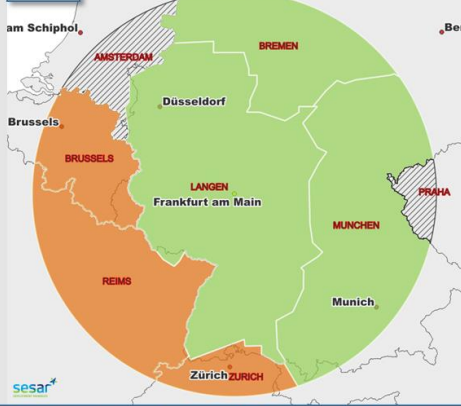
Completed Ongoing Planned Not yet planned Not applicable Clarifications pending Missing data



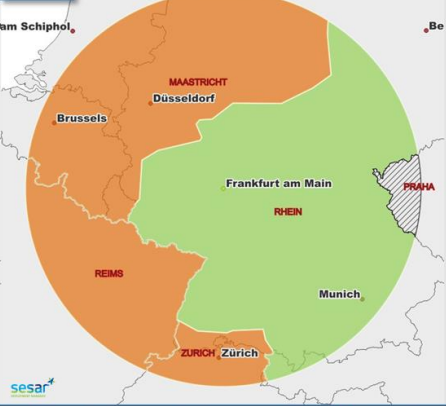
Frankfurt am Main Airport

No date*

FL 245



FL 315



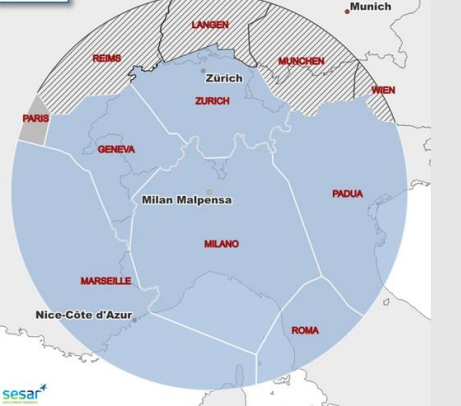
Completed Ongoing Planned Not yet planned Not applicable Clarifications pending Missing data



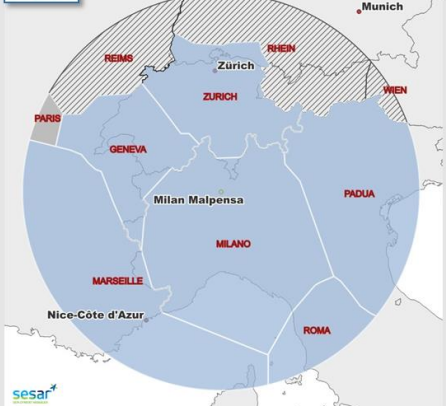
Milano Malpensa Airport

Dec 2024

FL 245



FL 315



Completed Ongoing Planned Not yet planned Not applicable Clarifications pending Missing data



Munich Airport

No date*

FL 245



FL 315



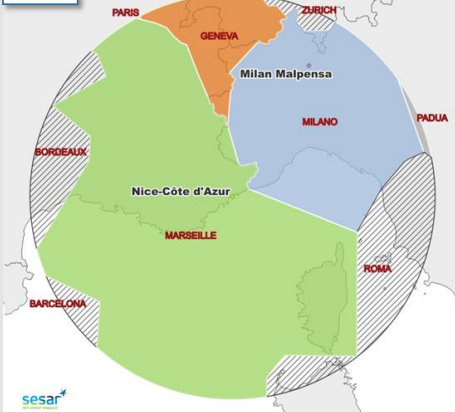
Completed Ongoing Planned Not yet planned Not applicable Clarifications pending Missing data



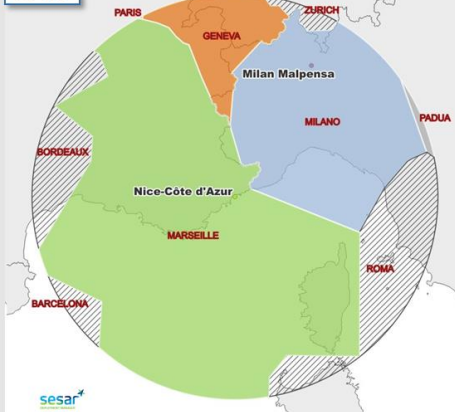
Nice Côte D'Azur Airport

No date*

FL 245



FL 315



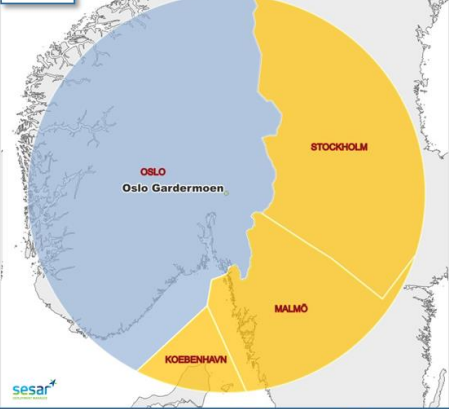
Completed Ongoing Planned Not yet planned Not applicable Clarifications pending Missing data



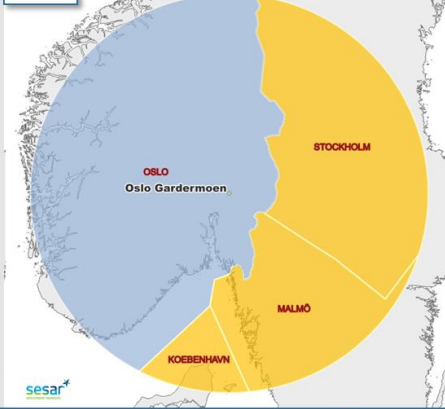
Oslo Airport

Dec 2025

FL 245



FL 315



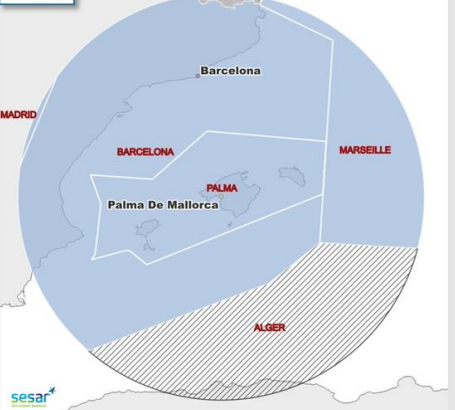
Completed Ongoing Planned Not yet planned Not applicable Clarifications pending Missing data



Palma de Mallorca Son S. Joan

Dec 2025

FL 245



FL 315

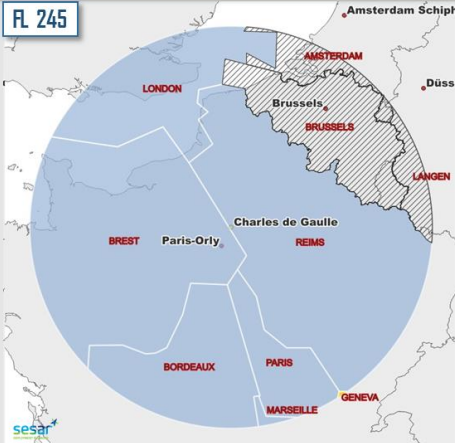


Completed Ongoing Planned Not yet planned Not applicable Clarifications pending Missing data

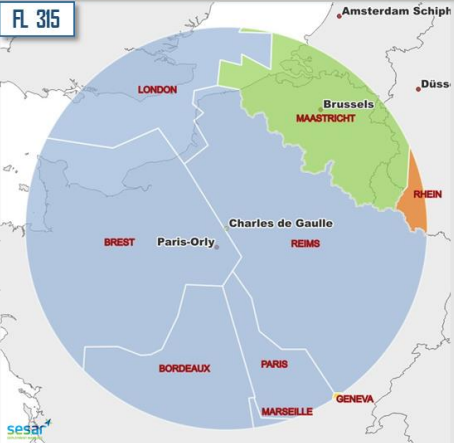


Paris - Charles de Gaulle Airport *No data**

FL 245



FL 315

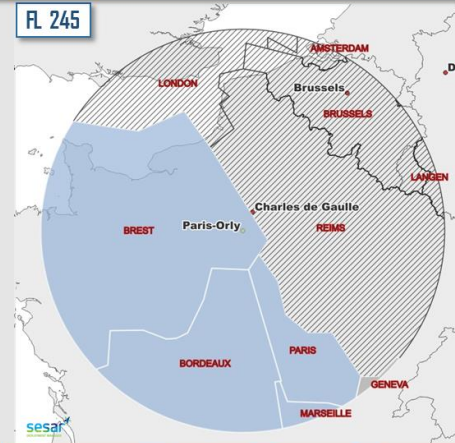


Completed Ongoing Planned Not yet planned Not applicable Clarifications pending Missing data

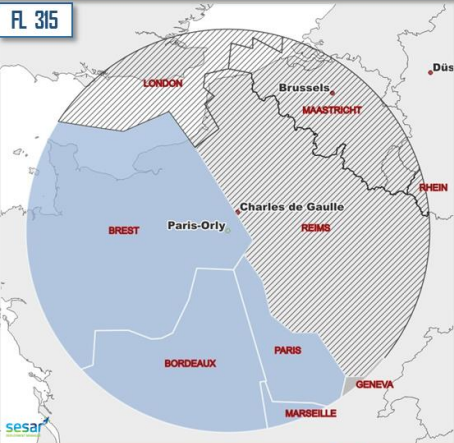


Paris-Orly Airport **Apr 2024**

FL 245



FL 315

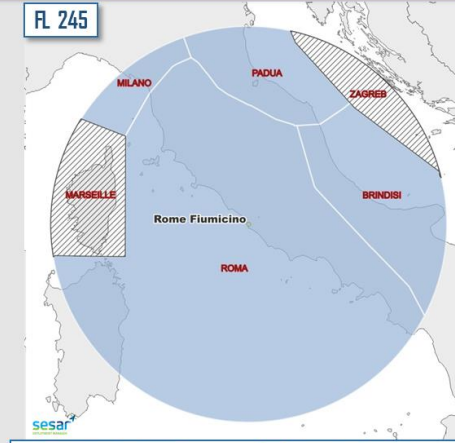


Completed Ongoing Planned Not yet planned Not applicable Clarifications pending Missing data

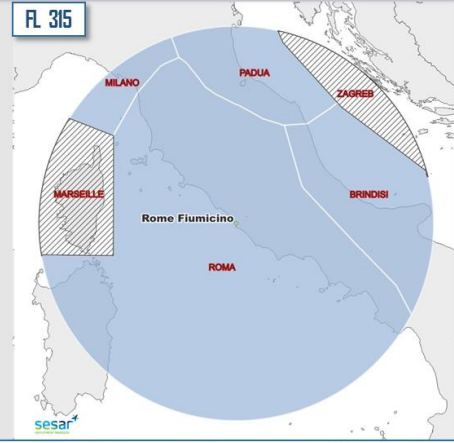


Fiumicino International Airport **Dec 2024**

FL 245



FL 315



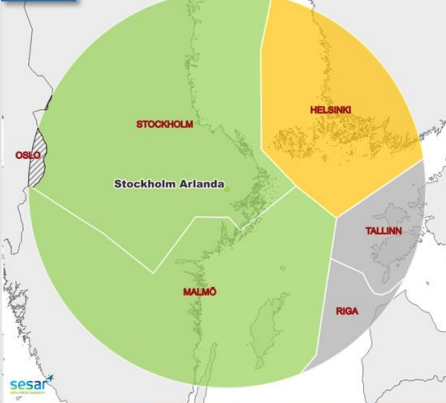
Completed Ongoing Planned Not yet planned Not applicable Clarifications pending Missing data



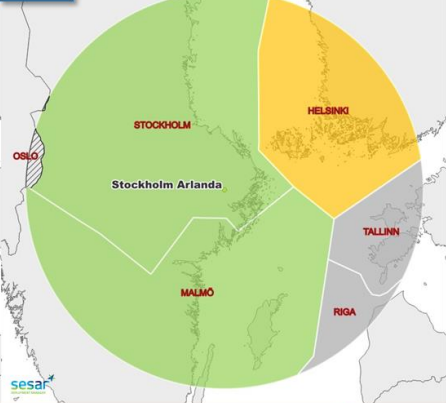
Stockholm Arlanda Airport

Dec 2024

FL 245



FL 315



Completed Ongoing Planned Not yet planned Not applicable Clarifications pending Missing data



Vienna International Airport

Nov 2022

FL 245



FL 315



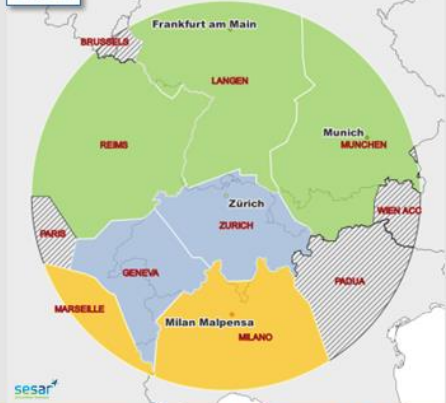
Completed Ongoing Planned Not yet planned Not applicable Clarifications pending Missing data



Zürich Airport

Dec 2025

FL 245



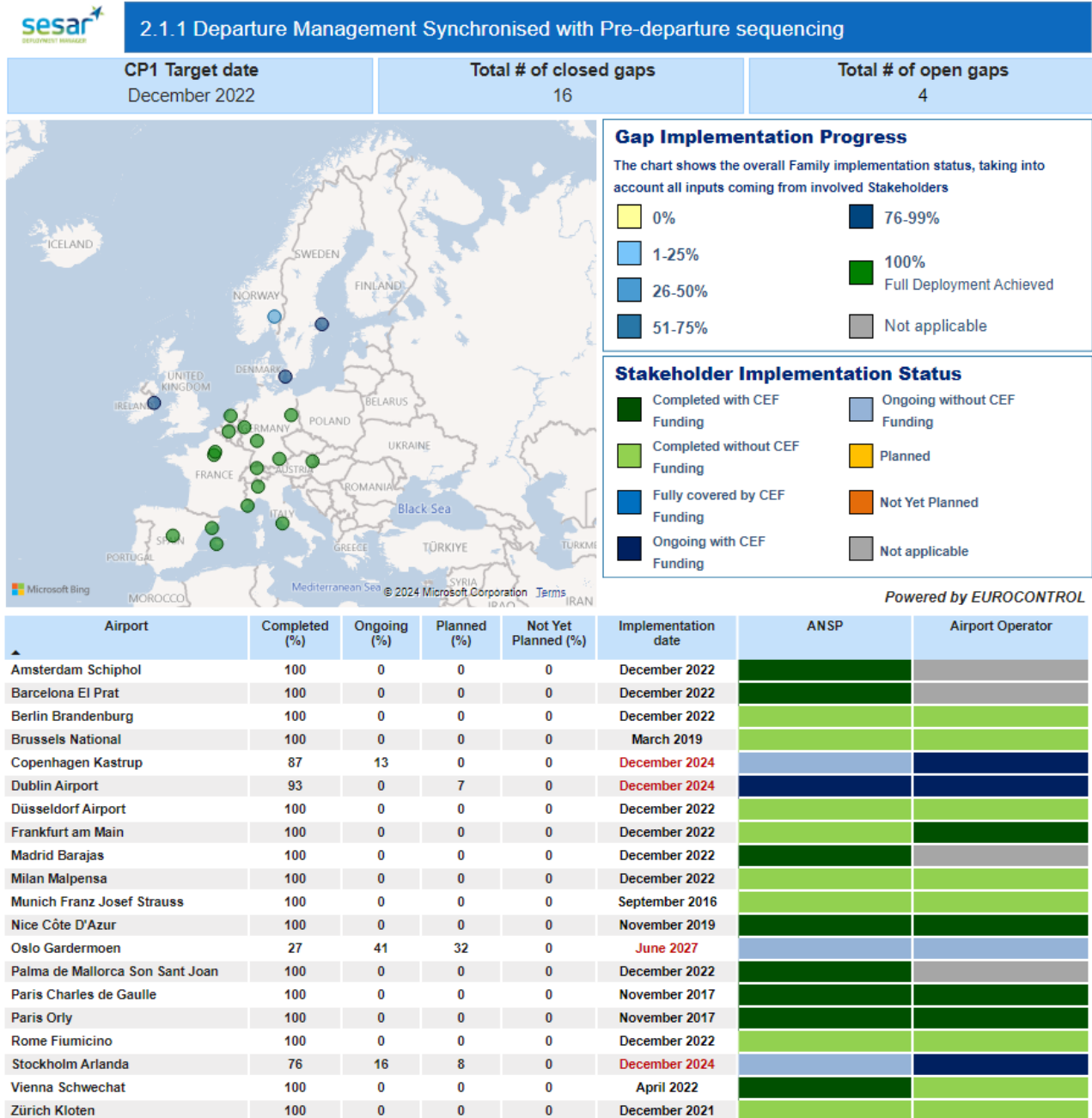
FL 315



Completed Ongoing Planned Not yet planned Not applicable Clarifications pending Missing data

AF2 – Airport Integration and Throughput

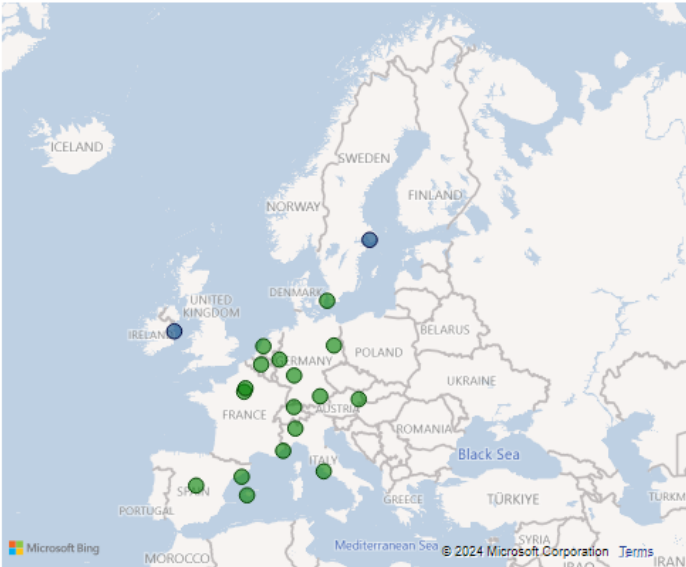
Family 2.1.1 – Departure Management Synchronised with Pre-Departure Sequencing



Family 2.2.1 – Initial AOP

sesar 2.2.1 Initial AOP

CP1 Target date December 2023	Total # of closed gaps 17	Total # of open gaps 2
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Gap Implementation Progress

The chart shows the overall Family implementation status, taking into account all inputs coming from involved Stakeholders

- 0% (Yellow)
- 1-25% (Light Blue)
- 26-50% (Medium Blue)
- 51-75% (Dark Blue)
- 76-99% (Very Dark Blue)
- 100% (Green) - Full Deployment Achieved
- Not applicable (Grey)

Stakeholder Implementation Status

- Completed with CEF Funding (Dark Green)
- Completed without CEF Funding (Light Green)
- Fully covered by CEF Funding (Blue)
- Ongoing with CEF Funding (Dark Blue)
- Ongoing without CEF Funding (Light Blue)
- Planned (Yellow)
- Not Yet Planned (Orange)
- Not applicable (Grey)

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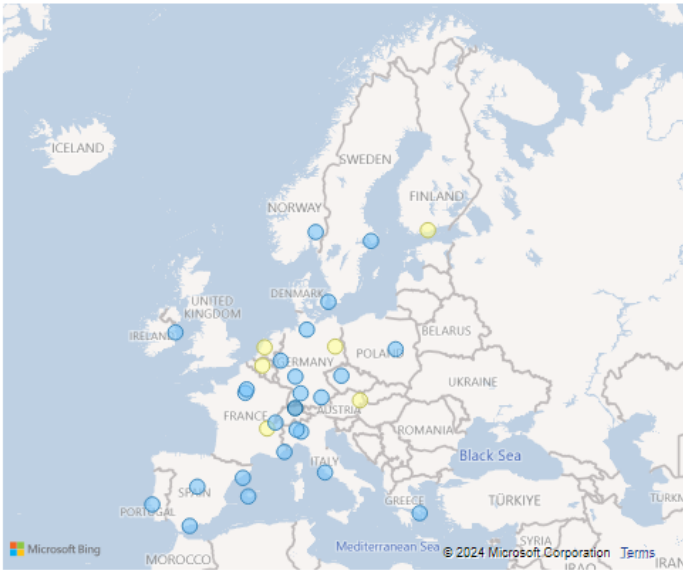
Airport	Completed (%)	Ongoing (%)	Planned (%)	Not Yet Planned (%)	Implementation date	ANSP	Airport Operator
Amsterdam Schiphol	100	0	0	0	December 2019		
Barcelona El Prat	100	0	0	0	December 2023		
Berlin Brandenburg	100	0	0	0	December 2023		
Brussels National	100	0	0	0	December 2023		
Copenhagen Kastrup	100	0	0	0	December 2018		
Dublin Airport	85	0	15	0	December 2024		
Düsseldorf Airport	100	0	0	0	December 2023		
Frankfurt am Main	100	0	0	0	December 2023		
Madrid Barajas	100	0	0	0	October 2023		
Milan Malpensa	100	0	0	0	December 2023		
Munich Franz Josef Strauss	100	0	0	0	December 2023		
Nice Côte D'Azur	100	0	0	0	December 2023		
Palma de Mallorca Son Sant Joan	100	0	0	0	December 2023		
Paris Charles de Gaulle	100	0	0	0	December 2023		
Paris Orly	100	0	0	0	December 2023		
Rome Fiumicino	100	0	0	0	March 2022		
Stockholm Arlanda	83	10	7	0	December 2024		
Vienna Schwechat	100	0	0	0	December 2023		
Zürich Kloten	100	0	0	0	December 2023		

Family 2.2.2 – Extended AOP



2.2.2 Extended AOP

CP1 Target date December 2027	Total # of closed gaps 0	Total # of open gaps 31
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Gap Implementation Progress

The chart shows the overall Family implementation status, taking into account all inputs coming from involved Stakeholders

- 0% (Yellow)
- 1-25% (Light Blue)
- 26-50% (Medium Blue)
- 51-75% (Dark Blue)
- 76-99% (Dark Blue)
- 100% Full Deployment Achieved (Green)
- Not applicable (Grey)

Stakeholder Implementation Status

- Completed with CEF Funding (Dark Green)
- Completed without CEF Funding (Light Green)
- Fully covered by CEF Funding (Blue)
- Ongoing with CEF Funding (Dark Blue)
- Ongoing without CEF Funding (Light Blue)
- Planned (Yellow)
- Not Yet Planned (Orange)
- Not applicable (Grey)

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Airport	Completed (%)	Ongoing (%)	Planned (%)	Not Yet Planned (%)	Implementation date	ANSP	Airport Operator
Amsterdam Schiphol	0	0	50	50	*		
Athens Eleftherios Venizelos	2	20	78	0	December 2027		
Barcelona El Prat	3	27	70	0	December 2027		
Berlin Brandenburg	0	0	100	0	December 2027		
Brussels National	0	0	100	0	December 2027		
Copenhagen Kastrup	2	13	0	85	*		
Dublin Airport	9	76	15	0	December 2027		
Düsseldorf Airport	3	5	92	0	December 2027		
Frankfurt am Main	3	22	75	0	December 2027		
Geneva Airport	5	17	28	50	*		
Hamburg Airport	1	7	92	0	December 2027		
Helsinki Vantaa	0	0	100	0	December 2027		
Lisbon Humberto Delgado	1	7	92	0	December 2027		
Lyon Saint-Exupéry	0	0	0	100	*		
Madrid Barajas	3	27	70	0	December 2027		
Málaga Costa del Sol	3	27	70	0	December 2027		
Milan Linate	2	20	78	0	December 2027		
Milan Malpensa	2	20	78	0	December 2027		
Munich Franz Josef Strauss	5	20	75	0	December 2027		
Nice Côte D'Azur	5	40	55	0	December 2027		
Oslo Gardermoen	2	13	85	0	December 2027		
Palma de Mallorca Son Sant Joan	3	27	70	0	December 2027		
Paris Charles de Gaulle	9	76	15	0	December 2027		
Paris Orly	9	76	15	0	December 2027		
Prague Václav Havel	5	40	55	0	December 2027		
Rome Fiumicino	3	5	92	0	December 2027		
Stockholm Arlanda	2	20	78	0	December 2027		
Stuttgart Airport	1	7	50	42	*		
Vienna Schwechat	0	0	100	0	December 2027		
Warsaw Chopin Airport	3	27	70	0	December 2027		
Zürich Kloten	40	60	0	0	December 2027		

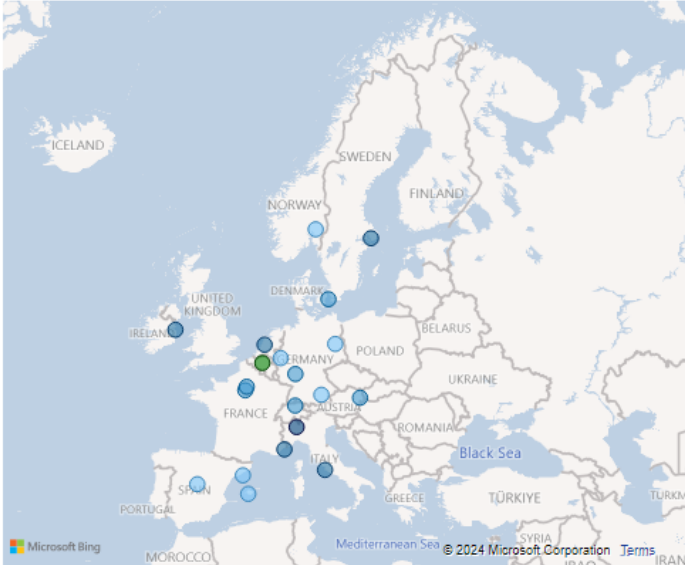
* The remaining scope of the Gap is Not yet Planned

Family 2.3.1 – Airport Safety Nets



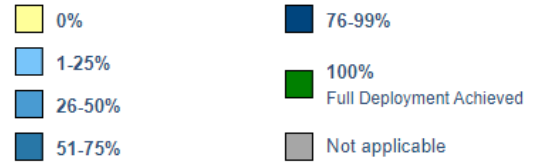
2.3.1 Airport Safety Nets

CP1 Target date December 2025	Total # of closed gaps 1	Total # of open gaps 19
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Gap Implementation Progress

The chart shows the overall Family implementation status, taking into account all inputs coming from involved Stakeholders



Stakeholder Implementation Status



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Airport	Completed (%)	Ongoing (%)	Planned (%)	Not Yet Planned (%)	Implementation date	ANSP	Airport Operator
Amsterdam Schiphol	61	34	5	0	December 2025		
Barcelona El Prat	21	9	70	0	December 2025		
Berlin Brandenburg	19	31	50	0	December 2030		
Brussels National	100	0	0	0	February 2016		
Copenhagen Kastrup	48	39	13	0	December 2025		
Dublin Airport	62	28	10	0	December 2025		
Düsseldorf Airport	11	32	57	0	December 2030		
Frankfurt am Main	33	46	21	0	December 2030		
Madrid Barajas	21	9	70	0	December 2025		
Milan Malpensa	78	22	0	0	December 2025		
Munich Franz Josef Strauss	15	65	20	0	December 2030		
Nice Côte D'Azur	52	13	0	35	*		
Oslo Gardermoen	23	67	10	0	June 2027		
Palma de Mallorca Son Sant Joan	21	9	70	0	December 2025		
Paris Charles de Gaulle	41	24	5	30	*		
Paris Orly	47	48	5	0	July 2024		
Rome Fiumicino	58	14	28	0	December 2025		
Stockholm Arlanda	52	38	10	0	December 2025		
Vienna Schwechat	31	7	62	0	March 2027		
Zürich Kloten	28	52	20	0	December 2026		

* The remaining scope of the Gap is Not yet Planned

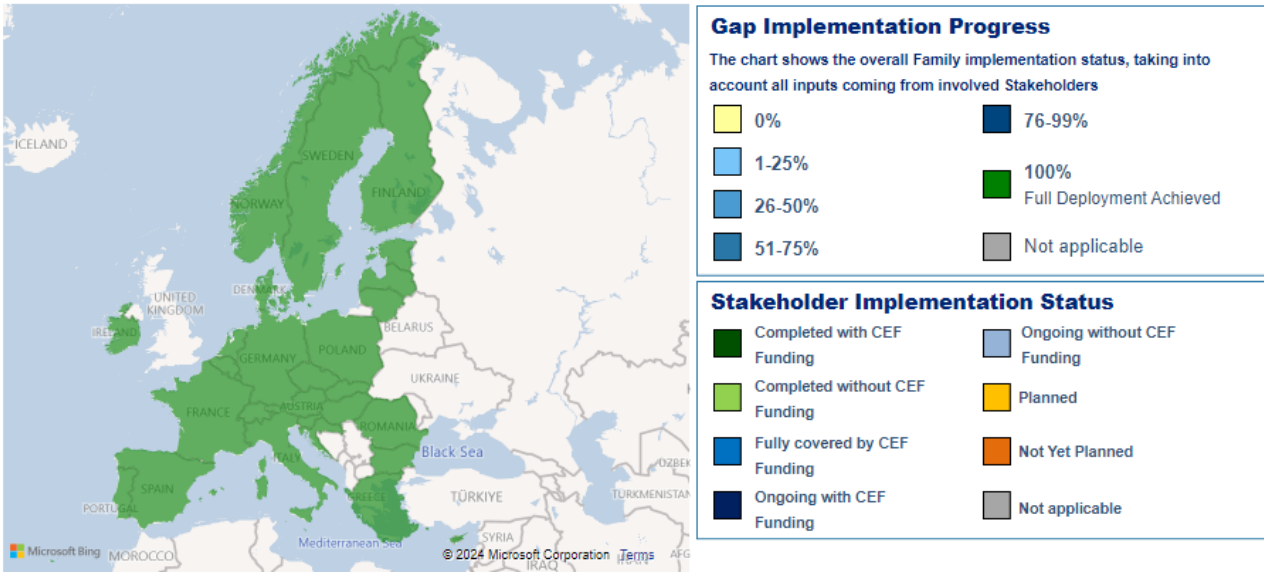
AF3 – Flexible Airspace Management and Free Route Airspace

Family 3.1.1 – ASM and A-FUA



3.1.1 ASM and A-FUA

CP1 Target date December 2022	Total # of closed gaps 31	Total # of open gaps 0
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Country	Completed (%)	Ongoing (%)	Planned (%)	Not Yet Planned (%)	Implementation date	ANSP
Austria	100	0	0	0	May 2022	
Belgium	100	0	0	0	September 2022	
Bulgaria	100	0	0	0	July 2022	
Croatia	100	0	0	0	January 2022	
Cyprus	100	0	0	0	December 2022	
Czech Republic	100	0	0	0	December 2022	
Denmark	100	0	0	0	December 2017	
Estonia	100	0	0	0	December 2021	
Finland	100	0	0	0	December 2022	
France	100	0	0	0	December 2022	
Germany	100	0	0	0	December 2022	
Greece	100	0	0	0	December 2018	
Hungary	100	0	0	0	December 2022	
Ireland	100	0	0	0	November 2022	
Italy	100	0	0	0	December 2022	
Latvia	100	0	0	0	August 2019	
Lithuania	100	0	0	0	December 2022	
Luxembourg	100	0	0	0	October 2022	
Maastricht UAC	100	0	0	0	October 2017	
Malta	100	0	0	0	November 2022	
Netherlands	100	0	0	0	October 2017	
Norway	100	0	0	0	August 2020	
Poland	100	0	0	0	December 2022	
Portugal	100	0	0	0	December 2022	
Romania	100	0	0	0	December 2022	
Slovak Republic	100	0	0	0	December 2022	
Slovenia	100	0	0	0	December 2022	
Spain	100	0	0	0	December 2022	
Sweden	100	0	0	0	July 2022	
Switzerland	100	0	0	0	December 2022	

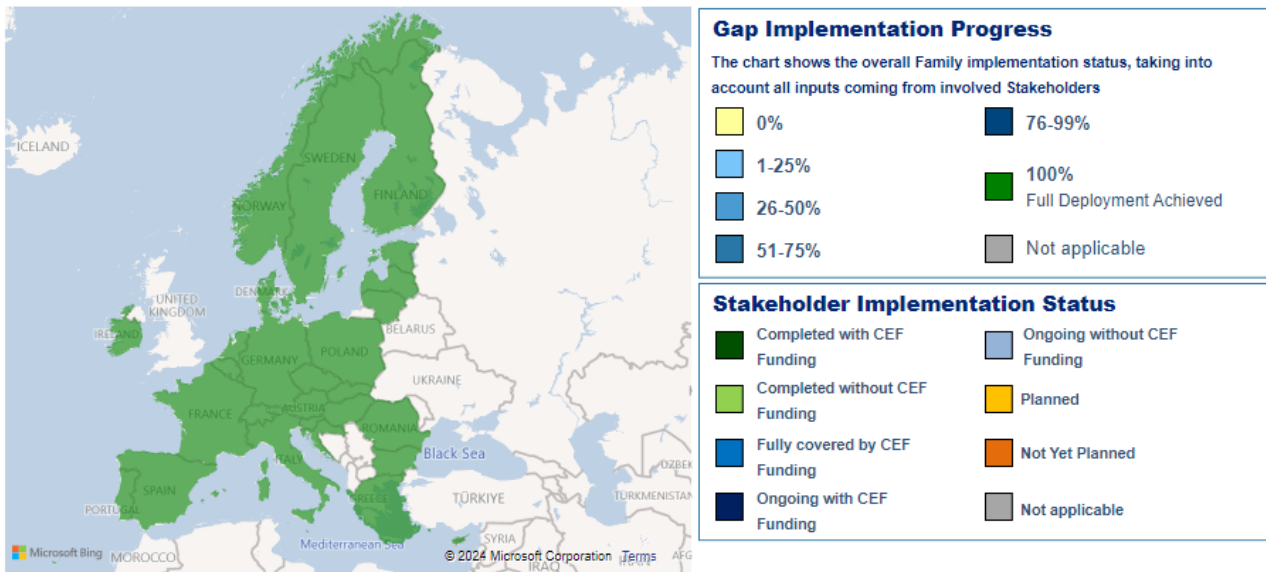
Network Manager	Completed (%)	Ongoing (%)	Planned (%)	Not Yet Planned (%)	Implementation date	Network Manager
Network Manager	100	0	0	0	December 2022	

Family 3.1.2 – Management of Predefined Airspace Configurations



3.1.2 Management of Predefined Airspace Configurations

CP1 Target date December 2022	Total # of closed gaps 31	Total # of open gaps 0
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Country	Completed (%)	Ongoing (%)	Planned (%)	Not Yet Planned (%)	Implementation date	ANSP
Austria	100	0	0	0	May 2022	
Belgium	100	0	0	0	July 2022	
Bulgaria	100	0	0	0	December 2022	
Croatia	100	0	0	0	July 2022	
Cyprus	100	0	0	0	March 2022	
Czech Republic	100	0	0	0	December 2022	
Denmark	100	0	0	0	December 2017	
Estonia	100	0	0	0	January 2022	
Finland	100	0	0	0	December 2021	
France	100	0	0	0	December 2022	
Germany	100	0	0	0	December 2021	
Greece	100	0	0	0	December 2018	
Hungary	100	0	0	0	January 2016	
Ireland	100	0	0	0	November 2022	
Italy	100	0	0	0	April 2021	
Latvia	100	0	0	0	January 2018	
Lithuania	100	0	0	0	December 2021	
Luxembourg	100	0	0	0	October 2022	
Maastricht UAC	100	0	0	0	June 2020	
Malta	100	0	0	0	November 2022	
Netherlands	100	0	0	0	June 2020	
Norway	100	0	0	0	June 2020	
Poland	100	0	0	0	November 2016	
Portugal	100	0	0	0	December 2022	
Romania	100	0	0	0	December 2021	
Slovak Republic	100	0	0	0	December 2022	
Slovenia	100	0	0	0	December 2022	
Spain	100	0	0	0	November 2022	
Sweden	100	0	0	0	December 2017	
Switzerland	100	0	0	0	December 2022	

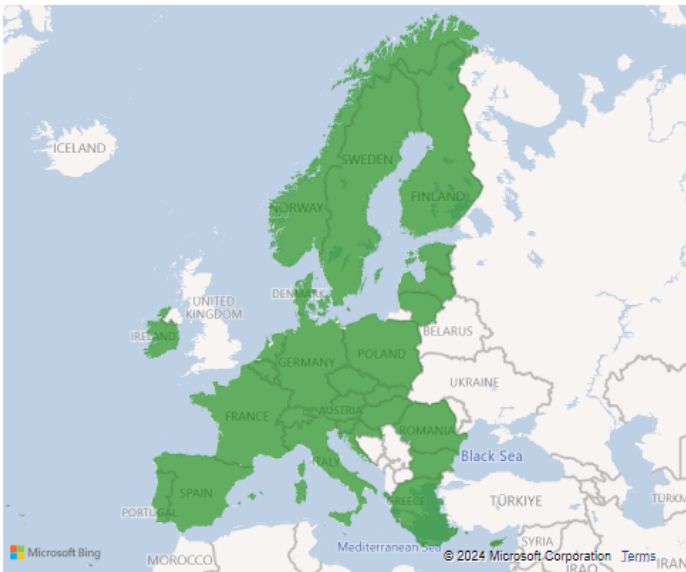
	Completed (%)	Ongoing (%)	Planned (%)	Not Yet Planned (%)	Implementation date	Network Manager
Network Manager	100	0	0	0	December 2022	

Family 3.2.1 – Initial FRA



3.2.1 Initial FRA

CP1 Target date December 2022	Total # of closed gaps 31	Total # of open gaps 0
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Gap Implementation Progress

The chart shows the overall Family implementation status, taking into account all inputs coming from involved Stakeholders

- 0% (Yellow)
- 1-25% (Light Blue)
- 26-50% (Medium Blue)
- 51-75% (Dark Blue)
- 76-99% (Very Dark Blue)
- 100% Full Deployment Achieved (Green)
- Not applicable (Grey)

Stakeholder Implementation Status

- Completed with CEF Funding (Dark Green)
- Completed without CEF Funding (Light Green)
- Fully covered by CEF Funding (Blue)
- Ongoing with CEF Funding (Dark Blue)
- Ongoing without CEF Funding (Light Blue)
- Planned (Yellow)
- Not Yet Planned (Orange)
- Not applicable (Grey)

Country	Completed (%)	Ongoing (%)	Planned (%)	Not Yet Planned (%)	Implementation date	ANSP
Austria	100	0	0	0	November 2016	
Belgium	100	0	0	0	October 2019	
Bulgaria	100	0	0	0	November 2013	
Croatia	100	0	0	0	December 2016	
Cyprus	100	0	0	0	December 2022	
Czech Republic	100	0	0	0	February 2021	
Denmark	100	0	0	0	November 2011	
Estonia	100	0	0	0	November 2015	
Finland	100	0	0	0	November 2015	
France	100	0	0	0	December 2021	
Germany	100	0	0	0	December 2021	
Greece	100	0	0	0	December 2020	
Hungary	100	0	0	0	February 2015	
Ireland	100	0	0	0	December 2009	
Italy	100	0	0	0	May 2018	
Latvia	100	0	0	0	November 2015	
Lithuania	100	0	0	0	December 2017	
Luxembourg	100	0	0	0	October 2019	
Maastricht UAC	100	0	0	0	December 2019	
Malta	100	0	0	0	December 2021	
Netherlands	100	0	0	0	December 2019	
Norway	100	0	0	0	November 2015	
Poland	100	0	0	0	February 2019	
Portugal	100	0	0	0	December 2009	
Romania	100	0	0	0	November 2013	
Slovak Republic	100	0	0	0	December 2018	
Slovenia	100	0	0	0	November 2016	
Spain	100	0	0	0	April 2022	
Sweden	100	0	0	0	December 2022	
Switzerland	100	0	0	0	December 2022	

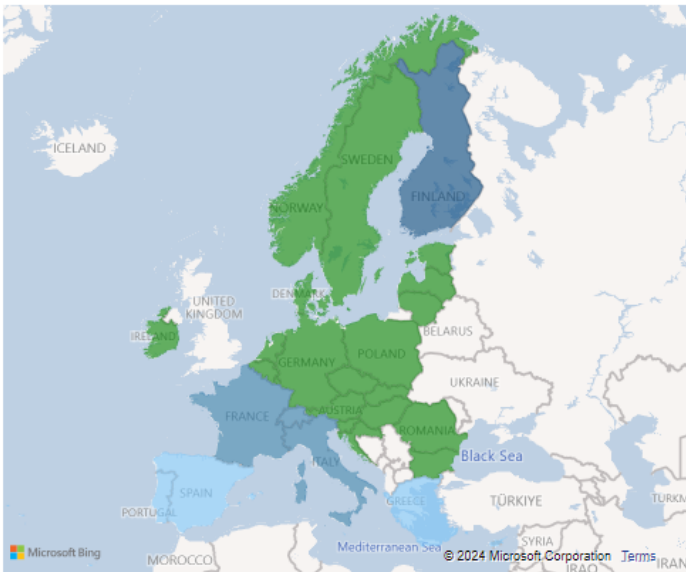
	Completed (%)	Ongoing (%)	Planned (%)	Not Yet Planned (%)	Implementation date	Network Manager
Network Manager	100	0	0	0	December 2022	

Family 3.2.2 – Enhanced Free Route Airspace Operations



3.2.2 Enhanced Free Route Airspace Operations

CP1 Target date December 2025	Total # of closed gaps 22	Total # of open gaps 9
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Gap Implementation Progress

The chart shows the overall Family implementation status, taking into account all inputs coming from involved Stakeholders

- 0% (Yellow)
- 1-25% (Light Blue)
- 26-50% (Medium Blue)
- 51-75% (Dark Blue)
- 76-99% (Very Dark Blue)
- 100% Full Deployment Achieved (Green)
- Not applicable (Grey)

Stakeholder Implementation Status

- Completed with CEF Funding (Dark Green)
- Completed without CEF Funding (Light Green)
- Fully covered by CEF Funding (Blue)
- Ongoing with CEF Funding (Dark Blue)
- Ongoing without CEF Funding (Light Blue)
- Planned (Yellow)
- Not Yet Planned (Orange)
- Not applicable (Grey)

Country	Completed (%)	Ongoing (%)	Planned (%)	Not Yet Planned (%)	Implementation date	ANSP
Austria	100	0	0	0	November 2016	
Belgium	100	0	0	0	October 2019	
Bulgaria	100	0	0	0	December 2021	
Croatia	100	0	0	0	December 2021	
Cyprus	8	75	0	17	*	
Czech Republic	100	0	0	0	December 2022	
Denmark	100	0	0	0	June 2016	
Estonia	100	0	0	0	April 2020	
Finland	85	15	0	0	December 2025	
France	66	25	9	0	November 2026	
Germany	100	0	0	0	April 2019	
Greece	3	29	68	0	December 2024	
Hungary	100	0	0	0	February 2022	
Ireland	100	0	0	0	December 2021	
Italy	57	43	0	0	December 2025	
Latvia	100	0	0	0	November 2015	
Lithuania	100	0	0	0	March 2022	
Luxembourg	100	0	0	0	October 2019	
Maastricht UAC	100	0	0	0	December 2019	
Malta	5	44	51	0	December 2025	
Netherlands	100	0	0	0	December 2019	
Norway	100	0	0	0	May 2017	
Poland	100	0	0	0	February 2022	
Portugal	2	14	84	0	December 2025	
Romania	100	0	0	0	November 2019	
Slovak Republic	100	0	0	0	January 2021	
Slovenia	100	0	0	0	November 2016	
Spain	10	39	51	0	December 2025	
Sweden	100	0	0	0	June 2016	
Switzerland	73	10	17	0	April 2025	

* The remaining scope of the Gap is Not yet Planned

	Completed (%)	Ongoing (%)	Planned (%)	Not Yet Planned (%)	Implementation date	Network Manager
Network Manager	100	0	0	0	December 2022	

Focus on Free Route implementation

Free Route is an operational concept that enables airspace users to fly as close as possible to their optimal trajectory without the constraints of a fixed route network structure. Free Route Airspace (FRA) is a specified airspace within which users may freely plan a route between a defined FRA entry point and defined FRA exit point, with the possibility to route via intermediate (published or unpublished) waypoints, without reference to the ATS route network, subject to airspace availability. Within this airspace, flights remain subject to air traffic control. With Enhanced Free Route implementation, the connectivity with TMA's is ensured and Cross-border is implemented with at least one neighbouring State.

Due to the specific relevance of a coordinated and synchronised implementation of Free Route across Europe, the SESAR Deployment Manager has gathered additional information from the local Air Navigation Service Providers. This in-depth analysis, which is based on data directly provided by ANSPs, has been performed with a two-fold objective:

- having a clear picture of the Free Route deployment approach currently followed;
- identifying the Stakeholders' planning to cover all technical requirements by 31st December 2025, the CP1 regulatory target date for deploying and operating final FRA.

In the following pages, a specific table for each country within the CP1 Geographical Scope is included, detailing the following information:

- the **Time limitations** set for the Free Route implementation;
- the **Flight Level** limit;
- the **published constraints**;
- the **Area of Responsibility (AoR)** where Free Route is implemented;
- the **cross-border**, indicating the countries with which the cross-border free route has been and will be established by the CP1 target date.

Austria - Free Route implementation		
	Current status	Target (December 2025)
Time limitations	FRA H 24 / 7	FRA H 24 / 7
Flight Level	From GND to FL 660	From GND to FL 660
Pub. Constraints	According to RAD	According to RAD
Area of Responsibility	Full AoR	Full AoR
Cross-border	Albania, Austria, Bosnia and Herzegovina, Croatia, Montenegro, North Macedonia, Serbia, Slovenia	Italy

Belgium - Free Route implementation		
	Current status	Target (December 2025)
Time limitations	FRA H 24 / 7	FRA H 24 / 7
Flight Level	FL245-660	FL245-660
Pub. Constraints	According to RAD	According to RAD
Area of Responsibility	Belgium has implemented FRA with MUAC since 2018 (H24 with FL245-660)	Belgium has implemented FRA with MUAC since 2018 (H24 with FL245-660)
Cross-border	Denmark, Sweden	France, Germany, United Kingdom

Bulgaria - Free Route implementation		
	Current status	Target (December 2025)
Time limitations	FRA H 24 / 7	FRA H 24 / 7
Flight Level	From FL 175 to FL 660	From FL 105 to FL 660
Pub. Constraints	According to RAD	According to RAD
Area of Responsibility	Full AoR	Full AoR
Cross-border	Czech Republic, Hungary, Moldova, Romania, Slovak Republic	-

Croatia - Free Route implementation		
	Current status	Target (December 2025)
Time limitations	FRA H24 / 7	FRA H24 / 7
Flight Level	From FL 205 to FL 660	From FL 205 to FL 660
Pub. Constraints	According to RAD	According to RAD
Area of Responsibility	Full AoR	Full AoR
Cross-border	Albania, Austria, Bosnia and Herzegovina, Montenegro, North Macedonia, Serbia, Slovenia	Czech Republic, Italy

Cyprus - Free Route implementation		
	Current status	Target (December 2025)
Time limitations	Currently only night FRA is deployed.	FRA H 24/7 is being planned 04/2025
Flight Level	From FL 205 to FL 660	From FL 205 to FL 660
Pub. Constraints	According to RAD	According to RAD
Area of Responsibility	Full AoR	Full AoR
Cross-border	-	Greece

Czech Republic - Free Route implementation		
	Current status	Target (December 2025)
Time limitations	FRA H 24 / 7	FRA H 24 / 7
Flight Level	From FL095 to FL660	From FL095 to FL660
Pub. Constraints	According to RAD	According to RAD
Area of Responsibility	Full AoR	Full AoR
Cross-border	Slovak Republic	Austria, Bosnia and Herzegovina, Bulgaria, Croatia, Hungary, Lithuania, Moldova, Romania, Slovenia

Cyprus - Free Route implementation

	Current status	Target (December 2025)
Time limitations	Under development	FRA H 24 / 7
Flight Level	Under development	From FL205 to FL660
Pub. Constraints	According to RAD	According to RAD
Area of Responsibility	Full AoR	Full AoR
Cross-border	Not yet planned	Not yet planned

Czech Republic - Free Route implementation

	Current status	Target (December 2025)
Time limitations	FRA H 24 / 7	FRA H 24 / 7
Flight Level	From FL095 to FL660	From FL095 to FL660
Pub. Constraints	According to RAD	According to RAD
Area of Responsibility	Full AoR	Full AoR
Cross-border	Slovak Republic	Austria, Bosnia and Herzegovina, Bulgaria, Croatia, Hungary, Lithuania, Moldova, Romania, Slovenia

Denmark - Free Route implementation

	Current status	Target (December 2025)
Time limitations	FRA H 24 / 7	FRA H 24 / 7
Flight Level	From FL285 to FL 660	From FL285 to FL 660
Pub. Constraints	From Maastricht UAC and Karlsruhe UAC only TFC departing or arriving in DK/SE FAB are eligible for cross-border FRA flight planning.	From Maastricht UAC and Karlsruhe UAC only TFC departing or arriving in DK/SE FAB are eligible for cross-border FRA flight planning.
Area of Responsibility	Full AoR	Full AoR
Cross-border	Germany, Norway, Sweden	-

Estonia - Free Route implementation

	Current status	Target (December 2025)
Time limitations	FRA H 24 / 7	FRA H 24 / 7
Flight Level	From FL095 to FL660 (excl Tallinn TMA and Helsinki TMA)	From FL095 to FL660 (excl Tallinn TMA and Helsinki TMA)
Pub. Constraints	Restrictions Estonian AIP ENR3.3, ENR1 FRA General procedures, ENR 3.5, ENR4.4 (FRA relevance)	Restrictions Estonian AIP ENR3.3, ENR1 FRA General procedures, ENR 3.5, ENR4.4 (FRA relevance)
Area of Responsibility	Tallinn FIR, NEFRA	Tallinn FIR, NEFRA
Cross-border	Finland, Latvia, Sweden	-

Finland - Free Route implementation

	Current status	Target (December 2025)
Time limitations	FRA H 24 / 7	FRA H 24 / 7
Flight Level	From FL095 to FL660	From FL095 to FL660
Pub. Constraints	According to RAD	According to RAD
Area of Responsibility	Full AoR	Full AoR
Cross-border	Estonia, Latvia, Norway	Denmark, Finland, Iceland, Sweden, United Kingdom

France - Free Route implementation

	Current status	Target (December 2025)
Time limitations	FRA H 24/7 where implemented	FRA H 24 / 7
Flight Level	FL 195 + where implemented	FL195+
Pub. Constraints	According to RAD	According to RAD
Area of Responsibility	Brest ACC (Atlantic sectors), Bordeaux ACC, Paris ACC (LMH sectors)	All UIR France
Cross-border	Under development	Maastricht UAC, Switzerland

Germany - Free Route implementation

	Current status	Target (December 2025)
Time limitations	FRA H 24 / 7	FRA H 24 / 7
Flight Level	From FL245 to FL660	From FL245 to FL660
Pub. Constraints	According to RAD	According to RAD
Area of Responsibility	Full AoR	Full AoR
Cross-border	Austria, Denmark, Maastricht UAC, Sweden, Switzerland	Czech Republic

Greece - Free Route implementation

	Current status	Target (December 2025)
Time limitations	FRA H 24 / 7	FRA H 24 / 7
Flight Level	From FL305 to FL660	From FL305 to FL660
Pub. Constraints	According to RAD	According to RAD
Area of Responsibility	Full AoR	Full AoR
Cross-border	Under development	Albania, Austria, Bosnia and Herzegovina, Croatia, Cyprus, Italy, Malta, North Macedonia, Serbia, Slovenia

Hungary – Free Route implementation		
	Current status	Target (December 2025)
Time limitations	FRA H 24 / 7	FRA H 24 / 7
Flight Level	From FL 095 to FL660	From FL 095 to FL660
Pub. Constraints	According to RAD	According to RAD
Area of Responsibility	Full AoR	Full AoR
Cross-border	Bulgaria, Lithuania, Moldova, Poland, Romania, Slovak Republic	Czech Republic, Ukraine

Ireland – Free Route implementation		
	Current status	Target (December 2025)
Time limitations	FRA H 24 / 7	FRA H 24 / 7
Flight Level	From FL075 to FL660	From FL075 to FL660
Pub. Constraints	According to RAD	According to RAD
Area of Responsibility	Shannon FR	Shannon FR
Cross-border	United Kingdom	Denmark, Estonia, Finland, Iceland, Latvia, Norway, Sweden

Italy – Free Route implementation		
	Current status	Target (December 2025)
Time limitations	FRA H 24 / 7	FRA H 24 / 7
Flight Level	From FL305 to FL660	From FL95 to FL660
Pub. Constraints	According to RAD	According to RAD
Area of Responsibility	Full AoR	Full AoR
Cross-border	Under development	Albania, Austria, Bosnia and Herzegovina, Croatia, Malta, Montenegro, North Macedonia, Serbia, Slovenia

Latvia – Free Route implementation		
	Current status	Target (December 2025)
Time limitations	FRA H 24 / 7	FRA H 24 / 7
Flight Level	From FL095 to FL660	From FL095 to FL660
Pub. Constraints	According to RAD	According to RAD
Area of Responsibility	Full AoR	Full AoR
Cross-border	Estonia, Finland, Norway, Sweden	Iceland, Ireland, United Kingdom

Lithuania – Free Route implementation		
	Current status	Target (December 2025)
Time limitations	FRA H 24 / 7	FRA H 24 / 7
Flight Level	From FL095 to FL660	From FL095 to FL660
Pub. Constraints	According to RAD	According to RAD
Area of Responsibility	Full AoR	Full AoR
Cross-border	Poland	Estonia, Finland, Latvia, Norway

Luxembourg – Free Route implementation		
	Current status	Target (December 2025)
Time limitations	FRA H 24 / 7	FRA H 24 / 7
Flight Level	FL245-660	FL245-660
Pub. Constraints	According to RAD	According to RAD
Area of Responsibility	Luxembourg has implemented FRA with MUAC since 2019 (H24 with FL245-660)	Luxembourg has implemented FRA with MUAC since 2019 (H24 with FL245-660)
Cross-border	Denmark, Sweden	France, Germany, United Kingdom

Malta – Free Route implementation		
	Current status	Target (December 2025)
Time limitations	FRA H 24 / 7	FRA H 24 / 7
Flight Level	From FL95 to FL660	From FL95 to FL660
Pub. Constraints	According to RAD	According to RAD
Area of Responsibility	Full AoR	Full AoR
Cross-border	Under development	Italy

MUAC Region – Free Route implementation		
	Current status	Target (December 2025)
Time limitations	FRA H 24 / 7	FRA H 24 / 7
Flight Level	FL245/FL660	FL245/FL660
Pub. Constraints	According to RAD	According to RAD
Area of Responsibility	MUAC AoR (except french del. Airspace)	MUAC AoR (except french del. Airspace)
Cross-border	Denmark, Germany, Sweden	France

Netherlands – Free Route implementation		
	Current status	Target (December 2025)
Time limitations	FRA H 24 / 7	FRA H 24 / 7
Flight Level	FL245-660	FL245-660
Pub. Constraints	According to RAD	According to RAD
Area of Responsibility	Netherlands has implemented FRA with MUAC since 2019 (H24 with FL245-660)	Netherlands has implemented FRA with MUAC since 2019 (H24 with FL245-660)
Cross-border	Denmark, Sweden	France, Germany, United Kingdom

Norway – Free Route implementation		
	Current status	Target (December 2025)
Time limitations	No time limitations	No time limitations
Flight Level	No limitations	No limitations
Pub. Constraints	No constraints other than TMA connectivity on FRA area ENTRY/EXIT criteria	No constraints other than TMA connectivity on FRA area ENTRY/EXIT criteria
Area of Responsibility	Eligible flights are all flights that are intending to operate within the vertical and horizontal limits of NEFAB FRA and/or DK-SE FAB FRA as specified in ENR 2.2 in the national AIP	Eligible flights are all flights that are intending to operate within the vertical and horizontal limits of NEFAB FRA and/or DK-SE FAB FRA as specified in ENR 2.2 in the national AIP
Cross-border	Denmark, Finland, Sweden	-

Poland – Free Route implementation

	Current status	Target (December 2025)
Time limitations	FRA H 24 / 7	FRA H 24 / 7
Flight Level	From FL095 to FL660	From FL095 to FL660
Pub. Constraints	According to RAD	According to RAD
Area of Responsibility	Full AoR	Full AoR
Cross-border	Lithuania, Slovak Republic	Czech Republic, Sweden

Portugal – Free Route implementation

	Current status	Target (December 2025)
Time limitations	FRA H 24 / 7	FRA H 24 / 7
Flight Level	From FL245 to FL660	From FL245 to FL660
Pub. Constraints	According to RAD	According to RAD
Area of Responsibility	Lisboa FIR	Lisboa FIR
Cross-border	Under development	Spain, Morocco

Romania – Free Route implementation

	Current status	Target (December 2025)
Time limitations	FRA H 24 / 7	FRA H 24 / 7
Flight Level	From FL05 to FL660	From FL05 to FL660
Pub. Constraints	According to RAD	According to RAD
Area of Responsibility	Full AoR	Full AoR
Cross-border	Bulgaria, Hungary, Moldova, Slovak Republic	Czech Republic

Slovak Republic – Free Route implementation

	Current status	Target (December 2025)
Time limitations	FRA H 24 / 7	FRA H 24 / 7
Flight Level	From FL245 to FL660	From FL245 to FL660
Pub. Constraints	According to RAD	According to RAD
Area of Responsibility	Full AoR	Full AoR
Cross-border	Bulgaria, Czech Republic, Hungary, Moldova, Poland, Romania	Austria

Slovenia – Free Route implementation

	Current status	Target (December 2025)
Time limitations	FRA H 24 / 7	FRA H 24 / 7
Flight Level	Ground to FL 660	Ground to FL 660
Pub. Constraints	According to RAD and NPZ	According to RAD
Area of Responsibility	Full AoR	Full AoR
Cross-border	Albania, Austria, Bosnia and Herzegovina, Croatia, Montenegro, North Macedonia, Serbia	Czech Republic, Greece

Spain – Free Route implementation

	Current status	Target (December 2025)
Time limitations	FRA H 24 / 7	FRA H 24 / 7
Flight Level	Canarias from FL305 to FL660, Madrid from FL245 to FL660, Barcelona from FL245 to FL660	Canarias from FL305 to FL660, Madrid from FL245 to FL660, Barcelona from FL245 to FL660
Pub. Constraints	According to RAD	Structural limitations introduced in the initial implementation will be removed.
Area of Responsibility	Canarias UIR, Madrid UIR, Barcelona UIR	Canarias UIR, Madrid UIR, Barcelona UIR
Cross-border	Under development	Portugal

Sweden – Free Route implementation

	Current status	Target (December 2025)
Time limitations	FRA H 24 / 7	FRA H 24 / 7
Flight Level	From FL285 to FL660	From FL285 to FL660
Pub. Constraints	EDUU only available for traffic arriving or departing aerodromes within DK/SE FAB, without crossing ENOR FIR	EDUU only available for traffic arriving or departing aerodromes within DK/SE FAB, without crossing ENOR FIR
Area of Responsibility	Full AoR	Full AoR
Cross-border	Denmark, Estonia, Finland, Germany, Latvia, Maastricht UAC, Norway	Lithuania, Poland

Switzerland – Free Route implementation

	Current status	Target (December 2025)
Time limitations	FRA H 24 / 7	FRA H 24 / 7
Flight Level	From FL195 to FL660	From FL195 to FL660
Pub. Constraints	According to RAD	According to RAD
Area of Responsibility	Full AoR	Full AoR
Cross-border	Germany	France

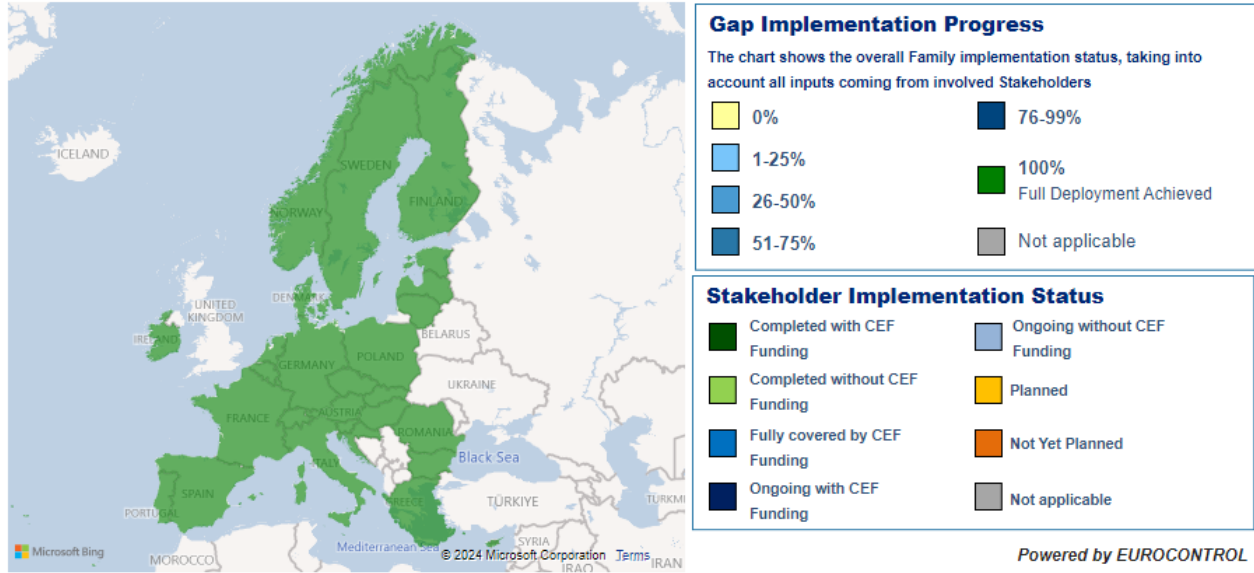
AF4 – Network Collaborative Management

Family 4.1.1 – Enhanced Short Term ATFCM Measures



4.1.1 Enhanced Short Term ATFCM Measures

CP1 Target date December 2022	Total # of closed gaps 31	Total # of open gaps 0
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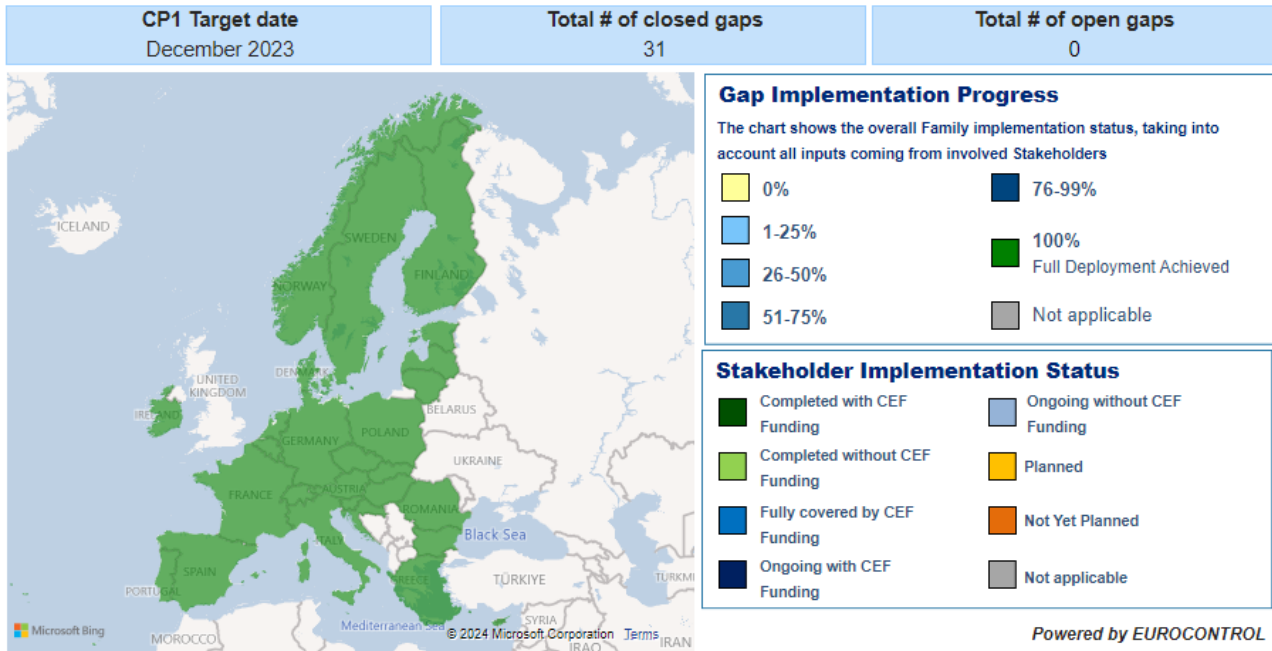
Country	Completed (%)	Ongoing (%)	Planned (%)	Not Yet Planned (%)	Implementation date	ANSP
Austria	100	0	0	0	May 2022	
Belgium	100	0	0	0	December 2022	
Bulgaria	100	0	0	0	December 2022	
Croatia	100	0	0	0	December 2022	
Cyprus	100	0	0	0	June 2022	
Czech Republic	100	0	0	0	December 2018	
Denmark	100	0	0	0	December 2022	
Estonia	100	0	0	0	June 2023	
Finland	100	0	0	0	January 2021	
France	100	0	0	0	December 2022	
Germany	100	0	0	0	December 2023	
Greece	100	0	0	0	March 2023	
Hungary	100	0	0	0	October 2022	
Ireland	100	0	0	0	December 2022	
Italy	100	0	0	0	December 2022	
Latvia	100	0	0	0	August 2019	
Lithuania	100	0	0	0	October 2018	
Luxembourg	100	0	0	0	December 2022	
Maastricht UAC	100	0	0	0	December 2018	
Malta	100	0	0	0	December 2022	
Netherlands	100	0	0	0	December 2022	
Norway	100	0	0	0	June 2023	
Poland	100	0	0	0	December 2022	
Portugal	100	0	0	0	January 2023	
Romania	100	0	0	0	November 2022	
Slovak Republic	100	0	0	0	December 2022	
Slovenia	100	0	0	0	December 2022	
Spain	100	0	0	0	December 2022	
Sweden	100	0	0	0	December 2021	
Switzerland	100	0	0	0	December 2017	

Network Manager	Completed (%)	Ongoing (%)	Planned (%)	Not Yet Planned (%)	Implementation date	Network Manager
Network Manager	100	0	0	0	April 2023	

Family 4.2.1 – Interactive Rolling NOP



4.2.1 Interactive Rolling NOP



Country	Completed (%)	Ongoing (%)	Planned (%)	Not Yet Planned (%)	Implementation date	ANSP	Airport Operator
Austria	100	0	0	0	December 2023		
Belgium	100	0	0	0	December 2022		
Bulgaria	100	0	0	0	December 2023		
Croatia	100	0	0	0	December 2023		
Cyprus	100	0	0	0	December 2023		
Czech Republic	100	0	0	0	December 2019		
Denmark	100	0	0	0	September 2023		
Estonia	100	0	0	0	June 2023		
Finland	100	0	0	0	February 2023		
France	100	0	0	0	April 2023		
Germany	100	0	0	0	December 2023		
Greece	100	0	0	0	December 2023		
Hungary	100	0	0	0	November 2022		
Ireland	100	0	0	0	December 2023		
Italy	100	0	0	0	December 2023		
Latvia	100	0	0	0	January 2016		
Lithuania	100	0	0	0	August 2023		
Luxembourg	100	0	0	0	December 2022		
Maastricht UAC	100	0	0	0	December 2020		
Malta	100	0	0	0	September 2023		
Netherlands	100	0	0	0	October 2023		
Norway	100	0	0	0	December 2023		
Poland	100	0	0	0	September 2023		
Portugal	100	0	0	0	January 2023		
Romania	100	0	0	0	December 2023		
Slovak Republic	100	0	0	0	December 2023		
Slovenia	100	0	0	0	August 2023		
Spain	100	0	0	0	April 2023		
Sweden	100	0	0	0	December 2023		
Switzerland	100	0	0	0	December 2023		

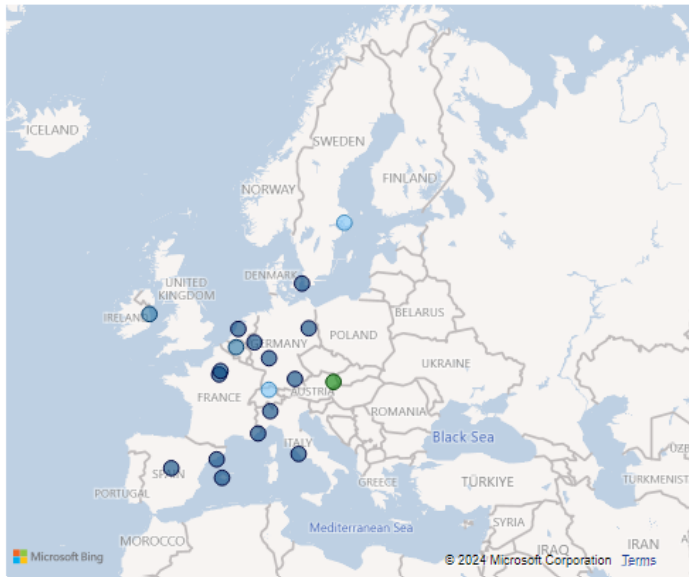
Network Manager	Completed (%)	Ongoing (%)	Planned (%)	Not Yet Planned (%)	Implementation date	Network Manager
Network Manager	100	0	0	0	December 2022	

Family 4.2.2 – Initial AOP/NOP Information Sharing



4.2.2 Initial AOP/NOP Information Sharing

CP1 Target date December 2023	Total # of closed gaps 2	Total # of open gaps 18
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Gap Implementation Progress

The chart shows the overall Family implementation status, taking into account all inputs coming from involved Stakeholders

- 0% (Yellow)
- 1-25% (Light Blue)
- 26-50% (Medium Blue)
- 51-75% (Dark Blue)
- 76-99% (Very Dark Blue)
- 100% Full Deployment Achieved (Green)
- Not applicable (Grey)

Stakeholder Implementation Status

- Completed with CEF Funding (Dark Green)
- Completed without CEF Funding (Light Green)
- Fully covered by CEF Funding (Blue)
- Ongoing with CEF Funding (Dark Blue)
- Ongoing without CEF Funding (Light Blue)
- Planned (Yellow)
- Not Yet Planned (Orange)
- Not applicable (Grey)

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Airport	Completed (%)	Ongoing (%)	Planned (%)	Not Yet Planned (%)	Implementation date	ANSP	Airport Operator
Amsterdam Schiphol	83	14	3	0	December 2024		
Barcelona El Prat	90	7	3	0	June 2024		
Berlin Brandenburg	86	11	3	0	December 2024		
Brussels National	69	26	5	0	June 2024		
Copenhagen Kastrup	77	16	7	0	December 2024		
Dublin Airport	67	27	6	0	June 2025		
Düsseldorf Airport	83	11	6	0	December 2024		
Frankfurt am Main	78	11	11	0	June 2024		
Madrid Barajas	90	7	3	0	January 2024		
Milan Malpensa	81	11	8	0	December 2024		
Munich Franz Josef Strauss	86	11	3	0	December 2024		
Nice Côte D'Azur	91	6	3	0	March 2024		
Palma de Mallorca Son Sant Joan	90	7	3	0	June 2024		
Paris Charles de Gaulle	85	13	2	0	March 2024		
Paris Orly	85	13	2	0	March 2024		
Rome Fiumicino	91	6	3	0	April 2024		
Stockholm Arlanda	18	30	52	0	June 2025		
Vienna Schwechat	100	0	0	0	December 2023		
Zürich Kloten	20	27	53	0	June 2025		

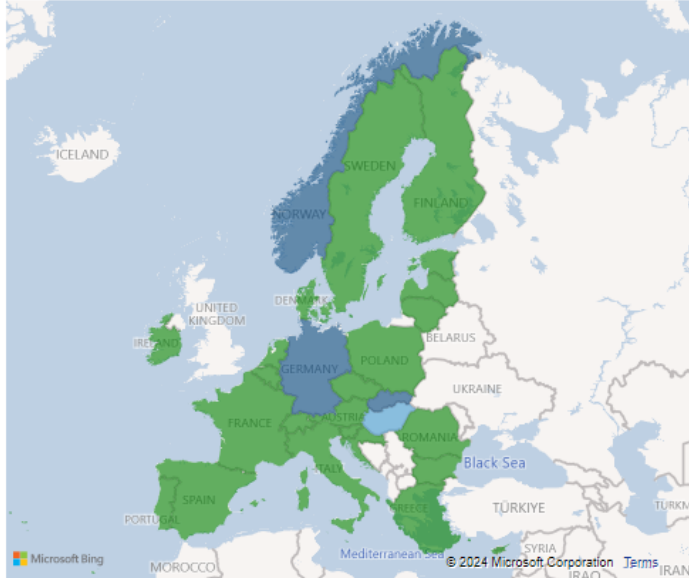
Network Manager	Completed (%)	Ongoing (%)	Planned (%)	Not Yet Planned (%)	Implementation date	Network Manager
Network Manager	100	0	0	0	December 2023	

Family 4.3.1 – Automated Support for Traffic Complexity Assessment and Flight Planning Interfaces



4.3.1 Automated Support for Traffic Complexity Assessment and Flight Planning Interfaces

CP1 Target date December 2022	Total # of closed gaps 27	Total # of open gaps 4
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Gap Implementation Progress

The chart shows the overall Family implementation status, taking into account all inputs coming from involved Stakeholders

- 0% (Yellow)
- 1-25% (Light Blue)
- 26-50% (Medium Blue)
- 51-75% (Dark Blue)
- 76-99% (Very Dark Blue)
- 100% Full Deployment Achieved (Green)
- Not applicable (Grey)

Stakeholder Implementation Status

- Completed with CEF Funding (Dark Green)
- Completed without CEF Funding (Light Green)
- Fully covered by CEF Funding (Blue)
- Ongoing with CEF Funding (Dark Blue)
- Ongoing without CEF Funding (Light Blue)
- Planned (Yellow)
- Not Yet Planned (Orange)
- Not applicable (Grey)

Powered by EUROCONTROL

Country	Completed (%)	Ongoing (%)	Planned (%)	Not Yet Planned (%)	Implementation date	ANSP
Austria	100	0	0	0	May 2022	
Belgium	100	0	0	0	December 2022	
Bulgaria	100	0	0	0	November 2020	
Croatia	100	0	0	0	December 2023	
Cyprus	100	0	0	0	December 2023	
Czech Republic	100	0	0	0	April 2023	
Denmark	100	0	0	0	December 2022	
Estonia	100	0	0	0	December 2023	
Finland	100	0	0	0	December 2023	
France	100	0	0	0	December 2022	
Germany	95	0	5	0	March 2024	
Greece	100	0	0	0	December 2023	
Hungary	29	66	5	0	July 2024	
Ireland	100	0	0	0	December 2022	
Italy	100	0	0	0	December 2022	
Latvia	100	0	0	0	December 2015	
Lithuania	100	0	0	0	August 2023	
Luxembourg	100	0	0	0	December 2022	
Maastricht UAC	100	0	0	0	June 2021	
Malta	100	0	0	0	December 2022	
Netherlands	100	0	0	0	July 2017	
Norway	95	5	0	0	June 2025	
Poland	100	0	0	0	July 2021	
Portugal	100	0	0	0	October 2023	
Romania	100	0	0	0	December 2022	
Slovak Republic	88	12	0	0	April 2024	
Slovenia	100	0	0	0	November 2023	
Spain	100	0	0	0	December 2022	
Sweden	100	0	0	0	May 2023	
Switzerland	100	0	0	0	December 2021	

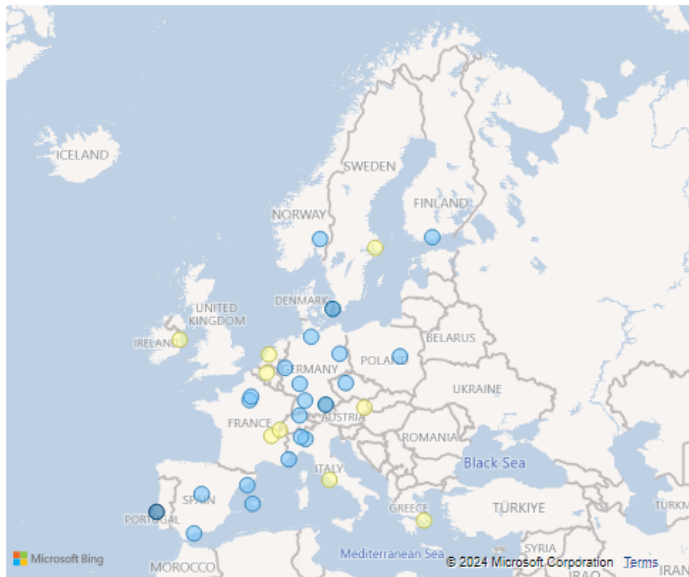
Network Manager	Completed (%)	Ongoing (%)	Planned (%)	Not Yet Planned (%)	Implementation date	Network Manager
Network Manager	100	0	0	0	December 2022	

Family 4.4.1 – AOP/NOP Integration



4.4.1 AOP/NOP Integration

CP1 Target date December 2027	Total # of closed gaps 0	Total # of open gaps 32
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Gap Implementation Progress

The chart shows the overall Family implementation status, taking into account all inputs coming from involved Stakeholders

- 0% (Yellow)
- 1-25% (Light Blue)
- 26-50% (Medium Blue)
- 51-75% (Dark Blue)
- 76-99% (Very Dark Blue)
- 100% Full Deployment Achieved (Green)
- Not applicable (Grey)

Stakeholder Implementation Status

- Completed with CEF Funding (Dark Green)
- Completed without CEF Funding (Light Green)
- Fully covered by CEF Funding (Blue)
- Ongoing with CEF Funding (Dark Blue)
- Ongoing without CEF Funding (Light Blue)
- Planned (Yellow)
- Not Yet Planned (Orange)
- Not applicable (Grey)

Powered by EUROCONTROL

Airport	Completed (%)	Ongoing (%)	Planned (%)	Not Yet Planned (%)	Implementation date	ANSP	Airport Operator
Amsterdam Schiphol	0	0	80	20	*		
Athens Eleftherios Venizelos	0	0	100	0	December 2027		
Barcelona El Prat	3	25	72	0	December 2027		
Berlin Brandenburg	3	25	72	0	December 2027		
Brussels National	0	0	100	0	December 2027		
Copenhagen Kastrup	34	42	24	0	December 2027		
Dublin Airport	0	0	48	52	*		
Düsseldorf Airport	6	50	44	0	December 2027		
Frankfurt am Main	3	25	72	0	December 2027		
Geneva Airport	0	0	0	100	*		
Hamburg Airport	21	7	72	0	December 2027		
Helsinki Vantaa	10	86	4	0	December 2027		
Lisbon Humberto Delgado	59	37	4	0	December 2026		
Lyon Saint-Exupéry	0	0	0	100	*		
Madrid Barajas	3	25	72	0	December 2027		
Málaga Costa del Sol	3	25	72	0	December 2027		
Milan Linate	11	17	72	0	December 2027		
Milan Malpensa	3	25	72	0	December 2027		
Munich Franz Josef Strauss	28	0	72	0	December 2027		
Nice Côte D'Azur	4	31	65	0	December 2027		
Oslo Gardermoen	3	25	72	0	December 2027		
Palma de Mallorca Son Sant Joan	3	25	72	0	December 2027		
Paris Charles de Gaulle	4	31	65	0	December 2027		
Paris Orly	4	31	65	0	December 2027		
Prague Václav Havel	8	68	24	0	December 2027		
Rome Fiumicino	0	0	100	0	December 2027		
Stockholm Arlanda	0	0	0	100	*		
Stuttgart Airport	11	17	72	0	December 2027		
Vienna Schwechat	0	0	100	0	December 2027		
Warsaw Chopin Airport	11	17	72	0	December 2027		
Zürich Kloten	8	67	25	0	December 2027		

* The remaining scope of the Gap is Not yet Planned

Network Manager	Completed (%)	Ongoing (%)	Planned (%)	Not Yet Planned (%)	Implementation date	Network Manager
Network Manager	15	0	0	85	December 2027	

AF5 – SWIM

Family 5.1.1 - Common SWIM PKI and cyber security

The Public Key Infrastructure (PKI) and cyber security components of the SDP are dealt within two separate Families, namely:

- Family 5.1.1 - *Common SWIM PKI and cyber security* for the common European Aviation Common Public Key Infrastructure (EACP) addressing the governance and the common infrastructure ensuring regional and global interoperability and the appropriate cyber security objectives and requirements for the common PKI service.
- Family 5.2.1 - *Stakeholders' SWIM PKI and cybersecurity* addresses the Stakeholder implementation and interoperability requirements with the EACP. It has to be noted that Family 5.2.1 allows the option to deploy a local PKI. The EACP must accredit the local PKI, through trust lists, in case this becomes part of it.

Due to the specific features of the Families and their purpose of deploying SWIM Common components, the deployment activities are following a coordinated and EU-wide approach, rather than being steered by locally based implementation initiatives. To this end, the following section reports on the latest developments and results stemming from multi-stakeholder initiative, coordinated by SDM under the Framework Partnership Agreement.

2017 084 AF5 - SWIM Common PKI and policies & procedures for establishing a Trust framework

This multi-stakeholder initiative, awarded in 2017 CEF Transport Call, was successfully completed in June 2022.

The project aimed to deploy a common framework for both integrating local Stakeholder PKI deployments in an interoperable manner, as well as providing interoperable digital certificates to the users of SWIM services. The resulting PKI and its associated trust framework (the EACP), are required to sign, emit and maintain digital certificates and validation services, either implemented locally or as a common service.

The project reached the following objectives:

- The Call for Tender Material for the deployment of the first EACP solution was developed;
- The SWIM Common PKI policies & procedures for establishing a trust framework was agreed and consulted with the mandated Stakeholders through the SDM consultation platform;
- A complete set of documents detailing how the EACP will be deployed and developed was published;
- A "Declaration of Interest" for joining the founding members of the EACP was issued.

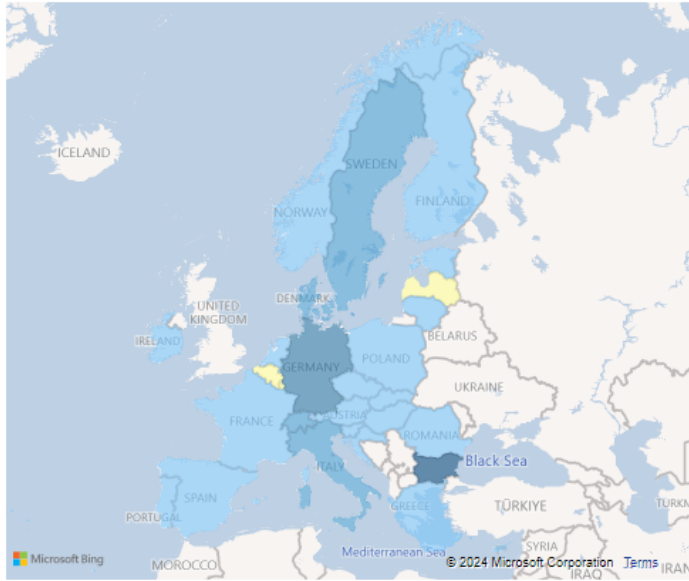
The call for tender was launched in 2023 to select a contractor to perform the day-to-day EACP operations, which will start in 2024, in line with the deployment deadline of CP1 Sub AF 5.1 - *Common infrastructure components*. Currently 43 organisations (ANSPs, airports, airspace users, manufacturers and aviation MET service providers) have responded positively to using the EACP.

Family 5.2.1 – Stakeholders SWIM PKI and cybersecurity



5.2.1 Stakeholders' SWIM PKI and cybersecurity

CP1 Target date December 2025	Total # of closed gaps 0	Total # of open gaps 31
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Gap Implementation Progress

The chart shows the overall Family implementation status, taking into account all inputs coming from involved Stakeholders

- 0% (Yellow)
- 1-25% (Light Blue)
- 26-50% (Medium Blue)
- 51-75% (Dark Blue)
- 76-99% (Darkest Blue)
- 100% Full Deployment Achieved (Green)
- Not applicable (Grey)

Stakeholder Implementation Status

- Completed with CEF Funding (Dark Green)
- Completed without CEF Funding (Light Green)
- Fully covered by CEF Funding (Blue)
- Ongoing with CEF Funding (Dark Blue)
- Ongoing without CEF Funding (Light Blue)
- Planned (Yellow)
- Not Yet Planned (Orange)
- Not applicable (Grey)

Powered by EUROCONTROL

Country	Completed (%)	Ongoing (%)	Planned (%)	Not Yet Planned (%)	Implementation date	ANSP	Airport Operator	MET
Austria	4	29	67	0	December 2025			
Belgium	0	0	100	0	December 2025			
Bulgaria	77	2	21	0	December 2025			
Croatia	3	26	29	42	*			
Cyprus	1	7	92	0	December 2025			
Czech Republic	5	3	92	0	December 2025			
Denmark	38	42	20	0	December 2025			
Estonia	13	75	12	0	December 2025			
Finland	11	9	80	0	December 2025			
France	8	25	0	67	*			
Germany	54	17	27	2	*			
Greece	1	7	41	51	*			
Hungary	6	4	90	0	December 2025			
Ireland	7	33	0	60	*			
Italy	40	24	36	0	December 2025			
Latvia	0	0	0	100	*			
Lithuania	9	0	91	0	December 2025			
Luxembourg	0	0	100	0	December 2025			
Maastricht UAC	10	90	0	0	December 2025			
Malta	0	0	100	0	December 2025			
Netherlands	1	12	81	6	*			
Norway	15	38	19	28	*			
Poland	11	22	67	0	December 2025			
Portugal	1	7	92	0	December 2025			
Romania	2	18	50	30	*			
Slovak Republic	24	33	43	0	December 2025			
Slovenia	25	46	29	0	December 2025			
Spain	9	19	72	0	December 2025			
Sweden	34	10	56	0	December 2025			
Switzerland	37	30	0	33	*			

* The remaining scope of the Gap is Not yet Planned

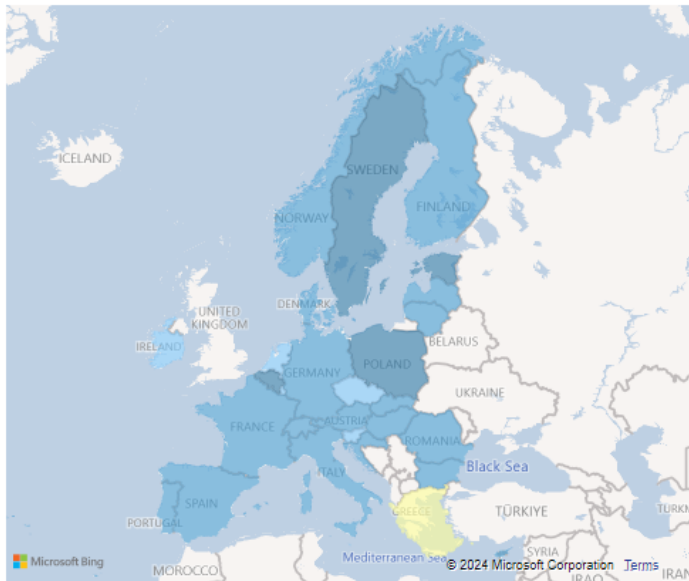
	Completed (%)	Ongoing (%)	Planned (%)	Not Yet Planned (%)	Implementation date	Network Manager
Network Manager	90	10	0	0	December 2024	

Family 5.3.1 – Aeronautical Information Exchange



5.3.1 Aeronautical Information Exchange

CP1 Target date December 2025	Total # of closed gaps 1	Total # of open gaps 30
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Gap Implementation Progress

The chart shows the overall Family implementation status, taking into account all inputs coming from involved Stakeholders

- 0% (Yellow)
- 1-25% (Light Blue)
- 26-50% (Medium Blue)
- 51-75% (Dark Blue)
- 76-99% (Darkest Blue)
- 100% Full Deployment Achieved (Green)
- Not applicable (Grey)

Stakeholder Implementation Status

- Completed with CEF Funding (Dark Green)
- Completed without CEF Funding (Light Green)
- Fully covered by CEF Funding (Blue)
- Ongoing with CEF Funding (Dark Blue)
- Ongoing without CEF Funding (Light Blue)
- Planned (Yellow)
- Not Yet Planned (Orange)
- Not applicable (Grey)

Powered by EUROCONTROL

Country	Completed (%)	Ongoing (%)	Planned (%)	Not Yet Planned (%)	Implementation date	ANSP	AISP
Austria	28	64	8	0	September 2028		
Belgium	54	22	17	7	*		
Bulgaria	45	0	55	0	December 2025		
Croatia	31	35	34	0	March 2028		
Cyprus	44	33	23	0	December 2026		
Czech Republic	17	21	62	0	December 2025		
Denmark	29	50	18	3	*		
Estonia	55	22	18	5	*		
Finland	41	4	55	0	December 2029		
France	48	36	14	2	*		
Germany	38	0	12	50	*		
Greece	0	0	40	60	*		
Hungary	50	5	45	0	December 2027		
Ireland	24	63	13	0	December 2028		
Italy	41	34	25	0	December 2025		
Latvia	40	26	14	20	*		
Lithuania	43	29	28	0	December 2025		
Luxembourg	22	8	70	0	December 2025		
Maastricht UAC	41	9	30	20	*		
Malta	7	56	37	0	December 2025		
Netherlands	3	31	49	17	*		
Norway	41	28	28	3	*		
Poland	55	22	23	0	December 2025		
Portugal	42	18	40	0	December 2029		
Romania	39	33	20	8	*		
Slovak Republic	46	45	9	0	December 2025		
Slovenia	8	74	18	0	December 2025		
Spain	38	44	18	0	December 2025		
Sweden	57	24	19	0	December 2028		
Switzerland	35	3	12	50	*		

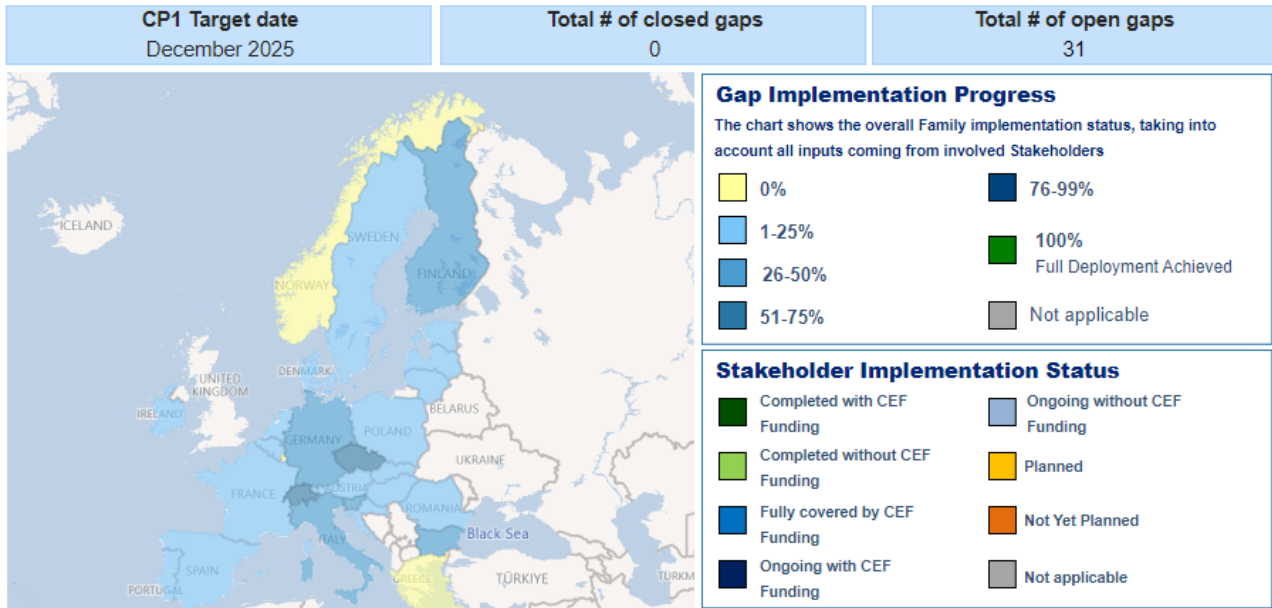
* The remaining scope of the Gap is Not yet Planned

	Completed (%)	Ongoing (%)	Planned (%)	Not Yet Planned (%)	Implementation date	Network Manager
Network Manager	100	0	0	0	December 2021	

Family 5.4.1 – Meteorological Information Exchange



5.4.1 Meteorological Information Exchange



Powered by EUROCONTROL

Country	Completed (%)	Ongoing (%)	Planned (%)	Not Yet Planned (%)	Implementation date	ANSP	Airport Operator	MET
Austria	23	41	36	0	September 2028			
Belgium	4	33	43	20	*			
Bulgaria	28	39	33	0	December 2025			
Croatia	12	54	7	27	*			
Cyprus	0	0	62	38	*			
Czech Republic	52	31	17	0	December 2025			
Denmark	17	11	65	7	*			
Estonia	14	21	51	14	*			
Finland	27	15	58	0	December 2029			
France	13	61	26	0	December 2025			
Germany	49	17	24	10	*			
Greece	0	0	0	100	*			
Hungary	4	30	66	0	December 2027			
Ireland	9	73	18	0	December 2027			
Italy	35	33	32	0	December 2025			
Latvia	1	13	73	13	*			
Lithuania	3	22	61	14	*			
Luxembourg	0	0	97	3	*			
Maastricht UAC	2	15	83	0	December 2025			
Malta	3	27	13	57	*			
Netherlands	15	41	44	0	December 2025			
Norway	0	3	9	88	*			
Poland	2	13	85	0	December 2025			
Portugal	15	36	49	0	December 2029			
Romania	7	48	10	35	*			
Slovak Republic	6	45	49	0	December 2025			
Slovenia	33	46	21	0	December 2025			
Spain	14	24	62	0	December 2025			
Sweden	9	23	68	0	March 2028			
Switzerland	55	22	7	16	*			

* The remaining scope of the Gap is Not yet Planned

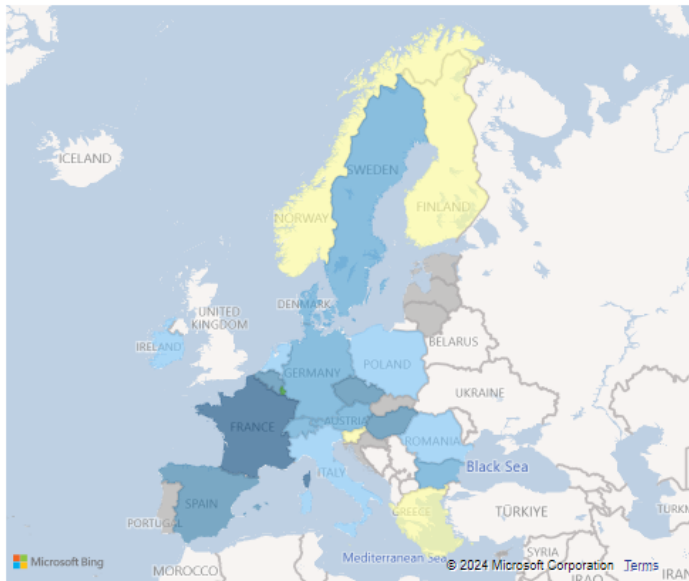
	Completed (%)	Ongoing (%)	Planned (%)	Not Yet Planned (%)	Implementation date	Network Manager
Network Manager	0	0	0	100	*	

Family 5.5.1 – Cooperative Network Information Exchange



5.5.1 Cooperative Network Information Exchange

CP1 Target date December 2025	Total # of closed gaps 2	Total # of open gaps 22
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Gap Implementation Progress

The chart shows the overall Family implementation status, taking into account all inputs coming from involved Stakeholders

- 0% (Yellow)
- 1-25% (Light Blue)
- 26-50% (Medium Blue)
- 51-75% (Dark Blue)
- 76-99% (Darkest Blue)
- 100% Full Deployment Achieved (Green)
- Not applicable (Grey)

Stakeholder Implementation Status

- Completed with CEF Funding (Dark Green)
- Completed without CEF Funding (Light Green)
- Fully covered by CEF Funding (Blue)
- Ongoing with CEF Funding (Dark Blue)
- Ongoing without CEF Funding (Light Blue)
- Planned (Yellow)
- Not Yet Planned (Orange)
- Not applicable (Grey)

Powered by EUROCONTROL

Country	Completed (%)	Ongoing (%)	Planned (%)	Not Yet Planned (%)	Implementation date	ANSP	Airport Operator
Austria	43	32	25	0	December 2025		
Belgium	75	0	25	0	December 2025		
Bulgaria	29	21	50	0	December 2025		
Croatia	0	0	0	0			
Cyprus	0	0	0	0			
Czech Republic	57	13	30	0	December 2025		
Denmark	38	0	62	0	December 2025		
Estonia	0	0	0	0			
Finland	0	0	100	0	December 2025		
France	78	0	22	0	December 2025		
Germany	27	30	18	25	*		
Greece	0	0	0	100	*		
Hungary	51	11	38	0	December 2025		
Ireland	11	8	6	75	*		
Italy	26	23	51	0	December 2025		
Latvia	0	0	0	0			
Lithuania	0	0	0	0			
Luxembourg	100	0	0	0	December 2022		
Maastricht UAC	90	0	10	0	December 2025		
Malta	0	0	100	0	December 2025		
Netherlands	8	0	92	0	December 2025		
Norway	0	0	100	0	December 2027		
Poland	4	34	62	0	December 2025		
Portugal	0	0	0	0			
Romania	5	8	87	0	December 2025		
Slovak Republic	0	0	0	0			
Slovenia	0	0	100	0	October 2025		
Spain	63	12	25	0	December 2025		
Sweden	50	25	25	0	December 2025		
Switzerland	44	14	12	30	*		

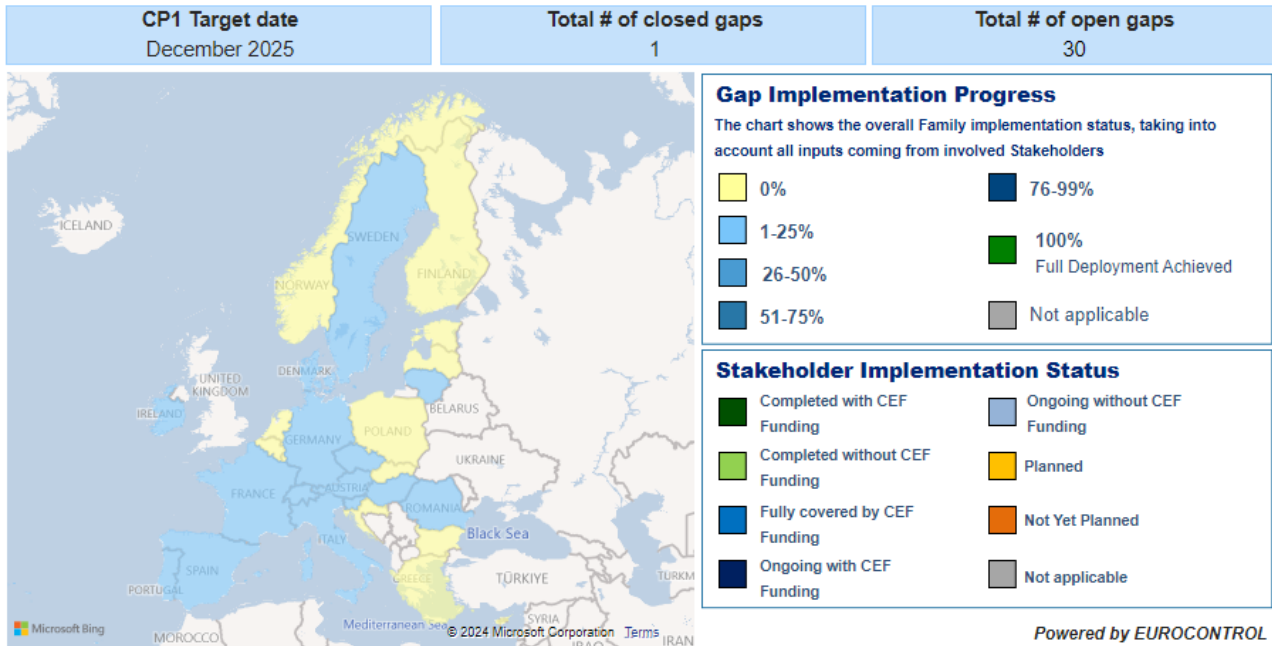
* The remaining scope of the Gap is Not yet Planned

	Completed (%)	Ongoing (%)	Planned (%)	Not Yet Planned (%)	Implementation date	Network Manager
Network Manager	100	0	0	0	December 2021	

Family 5.6.1 - Flight Information Exchange



5.6.1 Flight Information Exchange



Country	Completed (%)	Ongoing (%)	Planned (%)	Not Yet Planned (%)	Implementation date	ANSP
Austria	6	2	92	0	September 2028	
Belgium	0	0	75	25	*	
Bulgaria	0	0	100	0	December 2026	
Croatia	0	0	100	0	March 2028	
Cyprus	0	0	100	0	December 2030	
Czech Republic	8	30	62	0	December 2025	
Denmark	6	2	92	0	December 2029	
Estonia	0	0	100	0	December 2030	
Finland	0	0	100	0	December 2029	
France	12	4	9	75	*	
Germany	13	20	50	17	*	
Greece	0	0	0	100	*	
Hungary	8	30	37	25	*	
Ireland	6	2	92	0	December 2028	
Italy	21	33	46	0	December 2028	
Latvia	0	0	50	50	*	
Lithuania	9	8	83	0	December 2030	
Luxembourg	0	0	0	100	*	
Maastricht UAC	0	0	100	0	December 2028	
Malta	4	13	83	0	December 2025	
Netherlands	0	0	100	0	December 2025	
Norway	0	0	100	0	December 2029	
Poland	0	0	75	25	*	
Portugal	2	10	88	0	December 2030	
Romania	25	25	50	0	December 2025	
Slovak Republic	0	0	75	25	*	
Slovenia	19	19	37	25	*	
Spain	1	7	92	0	December 2028	
Sweden	6	2	92	0	March 2028	
Switzerland	4	4	75	17	*	

* The remaining scope of the Gap is Not yet Planned

	Completed (%)	Ongoing (%)	Planned (%)	Not Yet Planned (%)	Implementation date	Network Manager
Network Manager	100	0	0	0	December 2022	

AF5 – SWIM Service View

SWIM Services Implementation – Overview of deployment activities

The SWIM requirements' awareness has increased, as demonstrated by the increased number of countries which are addressing the planning and deployment of SWIM services. In fact, the number of available SWIM Services is increasing within the European SWIM registry and more than 100 SWIM services are expected to be available by 2025.

The services in the SWIM Registry are currently made available by the Network Manager and Met Providers. Furthermore, multi-stakeholders Implementation Projects submitted to CINEA in the context of CEF Call 2022 were awarded and are in execution phase, supporting the implementation of ASM and AIM Services in Family 5.3.1 and the implementation of FF_ICE/R1 in Family 5.6.1, mitigating their limited progress to date.

In 2023, a consortium of stakeholders also submitted a project proposal addressing Family 5.4.1 – Meteorological Information Exchange to CINEA, aiming to include SWIM MET services in a collaborative ATM environment to move towards Trajectory Based Operations (TBO).

The following main facts can be highlighted with regard to AF5 Families dealing with SWIM services:

- **Family 5.3.1 – Aeronautical Information Exchange**, thanks to a collaborative effort in the Aeronautical Information SWIM service Subgroup (A3SG), the definition and description of the services to be deployed have progressed significantly. Moreover, the reported progress of AIM services (Digital NOTAM service, Aerodrome Mapping service, Aeronautical Information Feature service) is expected to increase benefitting of the ACADIA CEF IP 2022_014_AF5, awarded in the frame of CLEAN ATM initiative, led by EUROCONTROL, and contributed by a wide number of implementing partners. This project has started and is supporting the Stakeholders meeting the implementation deadline for 13 countries (Austria, Cyprus, Denmark, Estonia, France, Ireland, Italy, Latvia, Malta, Poland, Portugal, Spain and Sweden). On the other hand, with regard to the ASM services, whose implementation is quite advanced and supported by IP 2022_020_AF5 ASM SWIM, the implementation of ARES Service is expected to be deployed beyond the CP1 target date by several stakeholders since the interface between ASM and ATC system will be SWIM compliant after a major update of the ATM system in 2025-2029.
- **Family 5.4.1 – Meteorological Information Exchange** is steadily progressing by MET service providers; in fact, several SWIM services are already published in the SWIM registry. However, the consumption of those MET services shows low progress, since stakeholder's ATM systems might need to be updated to achieve the required capability to consume digital MET information. In fact, the ATM systems level of upgrade is depending on the local implementations and on what meteorological data/service and information are used today. The translation of digital data into legacy TAC format will be only a first step towards ATM modernisation and a second step is necessary to bring valuable benefits. This issue was addressed, together with EUROCONTROL, to provide joint support to the MET community. To support this process, the Meteorological SWIM Service Subgroup (MET3SG) is working on the development of the service definitions of the mandated MET-services as well as on a roadmap for MET-SWIM services beyond CP1 to utilize the new capabilities and possibilities that SWIM offers.
- **Family 5.5.1 – Cooperative Network Information Exchange** services provision implementation can be considered well progressing thanks to the advanced stage of NM B2B services provision. Nevertheless, most of service consumers (ANSP, AO, AU) are relying on the B2C connection through NM systems which already provide the means to exchange the CP1 requested information to NM.
- **Family 5.6.1 – Flight Information Exchange**, 2022_035_AF5 FF-ICE R1-eFPL Europe is pioneering the deployment of FF-ICE concept starting with Release 1. This transition foresees the involvement of several Stakeholders (NM, AUs, ANSPs) from flight plan origination to its distribution to the impacted ATSU. The rollout of FF-ICE/R1 will be gradual, where ground stakeholders will update their system transitioning to FF-ICE both through updates and implementations of new systems since in most of the cases, the legacy ATM systems are not capable to process eFPL data. Initial steps will include data exchange via SWIM, setting up SWIM Access Points, and partial system

integrations, laying the groundwork for comprehensive implementation including the modifications of systems and procedures to actually make use of the new information provided through eFPL. An FF-ICE/R1 deployment initiative has been launched and the first FF-ICE/R1 implementation roadmap elaborated. It contains detailed information gathered from the mandated operational stakeholders on their progress and plans. The delay in the implementation of this Family is evident and the FOC dates vary within 2028-2032 timeframe⁷. The airborne information received is limited, however it seems that most of the respondent AUs will comply with the mandate by 2025-2026. There will also be a big portion of ANSPs who will be partially completed by 2025. In fact, the implementation and transition to eFPL cannot be seen as a big bang deployment but rather as a phased iterative approach to achieve the full implementation.

Extended AMAN SWIM service covers 20 gaps mirroring the gaps from Family 1.1.1. - Extended AMAN. The implementations are progressing on the basis of the SWIM service standard ED-254 which nonetheless was identified as allowing specific implementation choices that, if not properly addressed, could result in increased implementation complexity and loss of interoperability. An activity is progressing under Information Management Team (IMT) to limit such choices and, in the medium term, converge on a common Service Definition, to be applied universally in the deployment landscape.

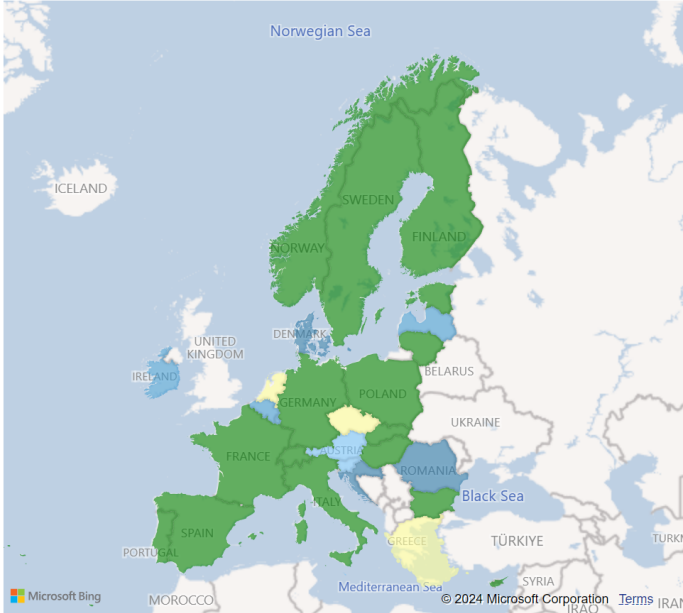
⁷ some misalignments were identified between the reporting of FF-ICE services in the LSSIP+ tool (namely, Flight Data Request service, Notification service and Data Publication service) and the FOC dates reported in the FF-ICE/R1 questionnaire. Those misalignments will be further assessed in occasion of the upcoming SDP Risk Management Plan and the next Monitoring Exercise 2024.

Family 5.3.1 – SWIM Services

Airspace Structure Service

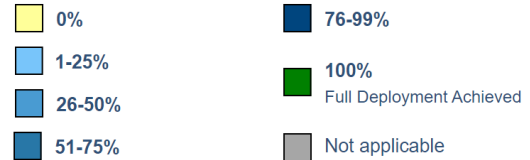


5.3.1 Aeronautical Information Exchange - Airspace structure service



Gap Implementation Progress

The chart shows the overall Family implementation status, taking into account all inputs coming from involved Stakeholders



Stakeholder Implementation Status



Powered by EUROCONTROL

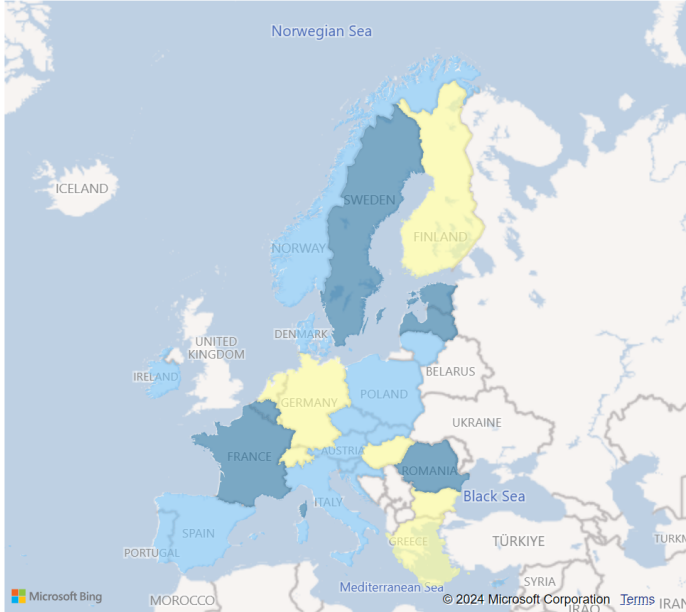
Country	Completed (%)	Ongoing (%)	Planned (%)	Not Yet Planned (%)	Implementation date	Powered by EUROCONTROL	
						Provider	Consumer
						Network Manager	ANSP
Austria	25	75	0	0	December 2025		
Belgium	43	57	0	0	December 2024		
Bulgaria	100	0	0	0	April 2017		
Croatia	68	32	0	0	December 2025		
Cyprus	100	0	0	0	November 2023		
Czech Republic	0	0	100	0	December 2025		
Denmark	68	32	0	0	December 2025		
Estonia	100	0	0	0	June 2020		
Finland	100	0	0	0	September 2022		
France	100	0	0	0	December 2021		
Germany	100	0	0	0	December 2021		
Greece	0	0	0	100	*		
Hungary	100	0	0	0	January 2016		
Ireland	43	57	0	0	December 2025		
Italy	100	0	0	0	December 2021		
Latvia	50	0	50	0	December 2025		
Lithuania	100	0	0	0	March 2021		
Luxembourg	34	16	50	0	December 2025		
Maastricht UAC	100	0	0	0	December 2021		
Malta	10	90	0	0	January 2024		
Netherlands	0	0	100	0	December 2025		
Norway	100	0	0	0	January 2022		
Poland	100	0	0	0	December 2018		
Portugal	100	0	0	0	March 2023		
Romania	55	45	0	0	December 2025		
Slovak Republic	100	0	0	0	November 2021		
Slovenia	10	90	0	0	December 2025		
Spain	100	0	0	0	January 2020		
Sweden	100	0	0	0	December 2023		
Switzerland	100	0	0	0	December 2022		

* The remaining scope of the Gap is Not yet Planned

Digital NOTAM Service



5.3.1 Aeronautical Information Exchange – Digital NOTAM service



Gap Implementation Progress

The chart shows the overall Family implementation status, taking into account all inputs coming from involved Stakeholders

- 0% (Yellow)
- 1-25% (Light Blue)
- 26-50% (Medium Blue)
- 51-75% (Dark Blue)
- 76-99% (Darkest Blue)
- 100% Full Deployment Achieved (Green)
- Not applicable (Grey)

Stakeholder Implementation Status

- Completed with CEF Funding (Dark Green)
- Completed without CEF Funding (Light Green)
- Fully covered by CEF Funding (Blue)
- Ongoing with CEF Funding (Dark Blue)
- Ongoing without CEF Funding (Light Blue)
- Planned (Yellow)
- Not Yet Planned (Orange)
- Not applicable (Grey)

Country	Completed (%)	Ongoing (%)	Planned (%)	Not Yet Planned (%)	Implementation date
Austria	13	77	10	0	December 2025
Belgium	64	16	0	20	*
Bulgaria	0	0	100	0	December 2025
Croatia	8	72	20	0	March 2028
Cyprus	8	72	20	0	December 2025
Czech Republic	10	80	10	0	December 2025
Denmark	8	72	0	20	*
Estonia	64	16	20	0	December 2025
Finland	0	0	100	0	December 2025
France	66	24	0	10	*
Germany	0	0	0	100	*
Greece	0	0	100	0	December 2025
Hungary	0	0	100	0	December 2027
Ireland	8	72	20	0	December 2025
Italy	5	5	90	0	December 2025
Latvia	66	24	10	0	December 2025
Lithuania	8	72	20	0	December 2025
Luxembourg	0	0	100	0	December 2025
Maastricht UAC	0	0	100	0	December 2025
Malta	10	80	10	0	December 2025
Netherlands	0	0	0	100	*
Norway	8	72	0	20	*
Poland	8	72	20	0	December 2025
Portugal	2	8	90	0	December 2029
Romania	64	16	0	20	*
Slovak Republic	10	80	10	0	December 2025
Slovenia	8	72	20	0	December 2025
Spain	8	72	20	0	December 2025
Sweden	64	16	20	0	December 2025
Switzerland	0	0	0	100	*

Powered by EUROCONTROL

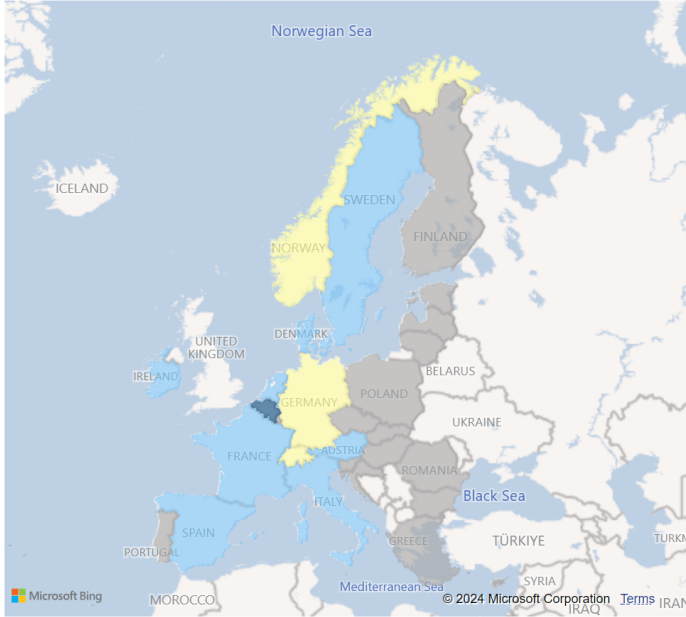
Provider	Consumer
AISP	ANSP
Dark Blue	Dark Blue
Light Blue	Orange
Yellow	Yellow
Dark Blue	Yellow
Light Blue	Yellow
Dark Blue	Orange
Dark Blue	Yellow
Orange	Orange
Yellow	Yellow
Dark Blue	Dark Blue
Light Blue	Yellow
Dark Blue	Yellow
Light Blue	Yellow
Yellow	Dark Blue
Dark Blue	Dark Blue
Orange	Orange
Light Blue	Orange
Dark Blue	Orange
Light Blue	Yellow
Dark Blue	Yellow
Orange	Orange

* The remaining scope of the Gap is Not yet Planned

Aerodrome Mapping Service

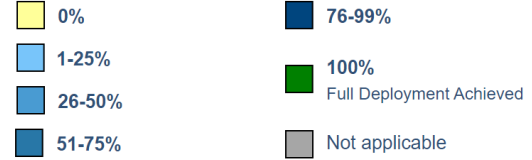


5.3.1 Aeronautical Information Exchange - Aerodrome mapping service



Gap Implementation Progress

The chart shows the overall Family implementation status, taking into account all inputs coming from involved Stakeholders



Stakeholder Implementation Status



Powered by EUROCONTROL

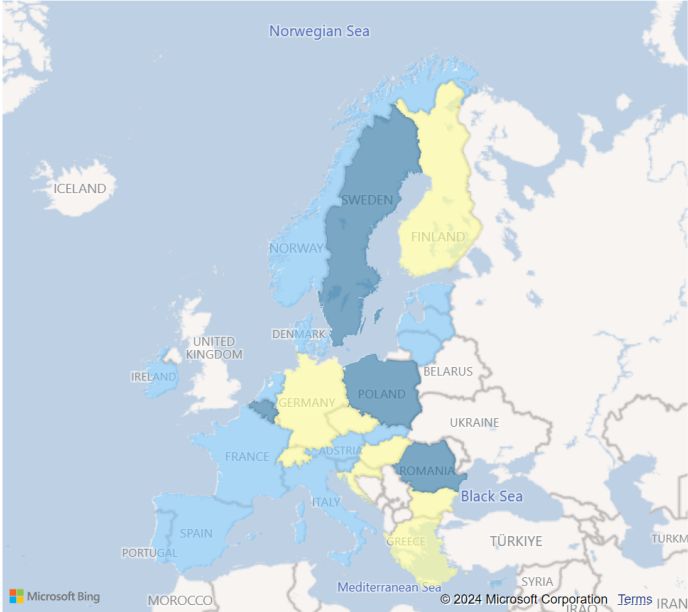
Country	Completed (%)	Ongoing (%)	Planned (%)	Not Yet Planned (%)	Implementation date	Provider
Austria	10	90	0	0	December 2025	AISP
Belgium	80	20	0	0	December 2025	
Bulgaria	0	0	0	0		
Croatia	0	0	0	0		
Cyprus	0	0	0	0		
Czech Republic	0	0	0	0		
Denmark	10	90	0	0	December 2025	
Estonia	0	0	0	0		
Finland	0	0	0	0		
France	10	90	0	0	December 2025	
Germany	0	0	0	100	*	
Greece	0	0	0	0		
Hungary	0	0	0	0		
Ireland	10	90	0	0	December 2025	
Italy	10	90	0	0	December 2025	
Latvia	0	0	0	0		
Lithuania	0	0	0	0		
Luxembourg	0	0	0	0		
Maastricht UAC	0	0	0	0		
Malta	0	0	0	0		
Netherlands	10	90	0	0	December 2025	
Norway	0	0	100	0	December 2025	
Poland	0	0	0	0		
Portugal	0	0	0	0		
Romania	0	0	0	0		
Slovak Republic	0	0	0	0		
Slovenia	0	0	0	0		
Spain	10	90	0	0	December 2025	
Sweden	10	90	0	0	December 2025	
Switzerland	0	0	0	100	*	

* The remaining scope of the Gap is Not yet Planned

Aeronautical Information Features Service



5.3.1 Aeronautical Information Exchange - Aeronautical Information Features service



Gap Implementation Progress

The chart shows the overall Family implementation status, taking into account all inputs coming from involved Stakeholders

- 0%
- 1-25%
- 26-50%
- 51-75%
- 76-99%
- 100% Full Deployment Achieved
- Not applicable

Stakeholder Implementation Status

- Completed with CEF Funding
- Completed without CEF Funding
- Fully covered by CEF Funding
- Ongoing with CEF Funding
- Ongoing without CEF Funding
- Planned
- Not Yet Planned
- Not applicable

Powered by EUROCONTROL

Country	Completed (%)	Ongoing (%)	Planned (%)	Not Yet Planned (%)	Implementation date	Provider		Consumer	
						AISP	ANSP	AISP	ANSP
Austria	13	77	10	0	December 2025	Medium Blue	Medium Blue	Medium Blue	Medium Blue
Belgium	64	16	0	20	*	Dark Blue	Dark Blue	Dark Blue	Dark Blue
Bulgaria	0	0	100	0	December 2025	Yellow	Yellow	Yellow	Yellow
Croatia	0	0	100	0	December 2025	Yellow	Yellow	Yellow	Yellow
Cyprus	8	72	20	0	December 2025	Dark Blue	Dark Blue	Dark Blue	Dark Blue
Czech Republic	0	0	100	0	June 2025	Yellow	Yellow	Yellow	Yellow
Denmark	10	80	10	0	December 2025	Dark Blue	Dark Blue	Dark Blue	Dark Blue
Estonia	8	72	20	0	December 2025	Dark Blue	Dark Blue	Dark Blue	Dark Blue
Finland	0	0	100	0	December 2025	Yellow	Yellow	Yellow	Yellow
France	10	80	10	0	December 2025	Dark Blue	Dark Blue	Dark Blue	Dark Blue
Germany	0	0	0	100	*	Orange	Orange	Orange	Orange
Greece	0	0	100	0	December 2025	Yellow	Yellow	Yellow	Yellow
Hungary	0	0	100	0	December 2027	Yellow	Yellow	Yellow	Yellow
Ireland	10	80	10	0	December 2025	Dark Blue	Dark Blue	Dark Blue	Dark Blue
Italy	18	72	10	0	December 2025	Dark Blue	Dark Blue	Dark Blue	Dark Blue
Latvia	10	80	10	0	December 2025	Dark Blue	Dark Blue	Dark Blue	Dark Blue
Lithuania	8	72	20	0	December 2025	Dark Blue	Dark Blue	Dark Blue	Dark Blue
Luxembourg	0	0	100	0	December 2025	Yellow	Yellow	Yellow	Yellow
Maastricht UAC	0	0	0	100	*	Grey	Grey	Grey	Grey
Malta	0	0	100	0	December 2025	Yellow	Yellow	Yellow	Yellow
Netherlands	8	72	20	0	December 2025	Very Dark Blue	Very Dark Blue	Very Dark Blue	Very Dark Blue
Norway	8	72	20	0	December 2025	Dark Blue	Dark Blue	Dark Blue	Dark Blue
Poland	64	16	20	0	December 2025	Dark Blue	Dark Blue	Dark Blue	Dark Blue
Portugal	10	80	10	0	December 2025	Dark Blue	Dark Blue	Dark Blue	Dark Blue
Romania	64	16	0	20	*	Dark Blue	Dark Blue	Dark Blue	Dark Blue
Slovak Republic	10	80	10	0	December 2025	Dark Blue	Dark Blue	Dark Blue	Dark Blue
Slovenia	8	72	20	0	December 2025	Dark Blue	Dark Blue	Dark Blue	Dark Blue
Spain	10	80	10	0	December 2025	Dark Blue	Dark Blue	Dark Blue	Dark Blue
Sweden	64	16	20	0	December 2025	Dark Blue	Dark Blue	Dark Blue	Dark Blue
Switzerland	0	0	0	100	*	Orange	Orange	Orange	Orange

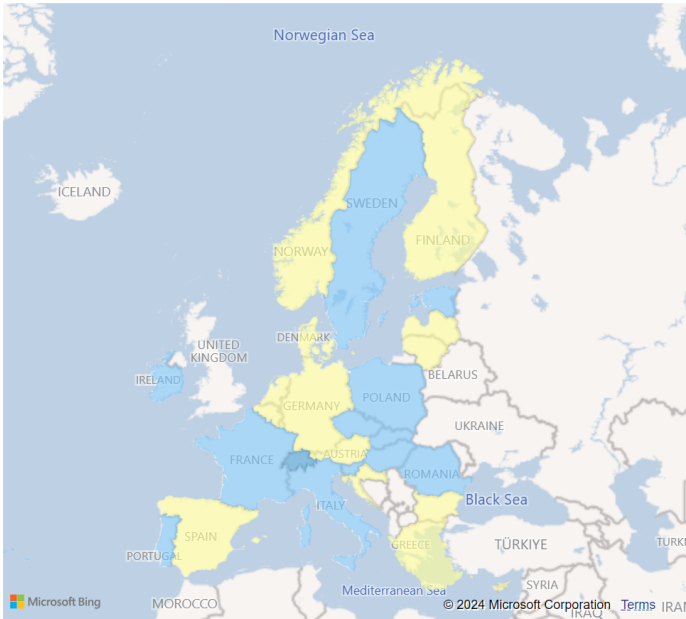
* The remaining scope of the Gap is Not yet Planned

Family 5.4.1 - SWIM Services

Volcanic Ash Mass Concentration Information Service



5.4.1 Meteorological Information Exchange - Volcanic Ash Mass Concentration information service



Gap Implementation Progress

The chart shows the overall Family implementation status, taking into account all inputs coming from involved Stakeholders

- 0% (Yellow)
- 1-25% (Light Blue)
- 26-50% (Medium Blue)
- 51-75% (Dark Blue)
- 76-99% (Darkest Blue)
- 100% Full Deployment Achieved (Green)
- Not applicable (Grey)

Stakeholder Implementation Status

- Completed with CEF Funding (Dark Green)
- Completed without CEF Funding (Light Green)
- Fully covered by CEF Funding (Blue)
- Ongoing with CEF Funding (Dark Blue)
- Ongoing without CEF Funding (Light Blue)
- Planned (Yellow)
- Not Yet Planned (Orange)
- Not applicable (Grey)

Powered by EUROCONTROL

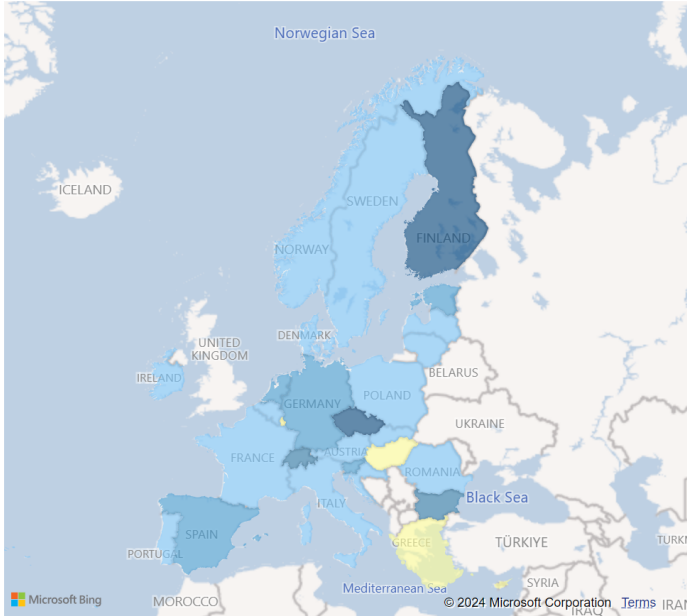
Country	Completed (%)	Ongoing (%)	Planned (%)	Not Yet Planned (%)	Implementation date	Provider / Consumer		
						MET	ANSP	Network Manager
Austria	0	0	100	0	December 2025	Planned	Planned	Not Yet Planned
Belgium	0	0	80	20	*	Planned	Planned	Not Yet Planned
Bulgaria	0	0	100	0	December 2025	Planned	Planned	Not Yet Planned
Croatia	0	0	0	100	*	Planned	Planned	Not Yet Planned
Cyprus	0	0	80	20	*	Planned	Planned	Not Yet Planned
Czech Republic	10	40	50	0	December 2025	Ongoing with CEF Funding	Ongoing with CEF Funding	Not Yet Planned
Denmark	0	0	74	26	*	Planned	Planned	Not Yet Planned
Estonia	3	24	73	0	December 2025	Planned	Planned	Not Yet Planned
Finland	0	0	100	0	December 2025	Planned	Planned	Not Yet Planned
France	3	24	73	0	December 2025	Ongoing with CEF Funding	Planned	Not Yet Planned
Germany	0	0	80	20	*	Planned	Planned	Not Yet Planned
Greece	0	0	0	100	*	Planned	Planned	Not Yet Planned
Hungary	2	8	90	0	December 2027	Planned	Ongoing without CEF Funding	Not Yet Planned
Ireland	10	53	37	0	December 2025	Ongoing without CEF Funding	Ongoing without CEF Funding	Not Yet Planned
Italy	10	40	50	0	December 2025	Ongoing without CEF Funding	Ongoing without CEF Funding	Not Yet Planned
Latvia	0	0	80	20	*	Planned	Planned	Not Yet Planned
Lithuania	0	0	100	0	December 2025	Planned	Planned	Not Yet Planned
Luxembourg	0	0	100	0	December 2025	Planned	Planned	Not Yet Planned
Maastricht UAC	0	0	100	0	December 2025	Planned	Planned	Not Yet Planned
Malta	0	0	0	100	*	Planned	Planned	Not Yet Planned
Netherlands	0	0	100	0	December 2025	Planned	Planned	Not Yet Planned
Norway	0	0	10	90	*	Planned	Planned	Not Yet Planned
Poland	3	24	73	0	December 2025	Ongoing without CEF Funding	Planned	Not Yet Planned
Portugal	20	20	60	0	December 2029	Ongoing without CEF Funding	Planned	Not Yet Planned
Romania	8	32	40	20	*	Ongoing without CEF Funding	Planned	Not Yet Planned
Slovak Republic	10	40	50	0	December 2025	Ongoing without CEF Funding	Ongoing without CEF Funding	Not Yet Planned
Slovenia	10	40	50	0	December 2025	Ongoing without CEF Funding	Ongoing without CEF Funding	Not Yet Planned
Spain	0	0	100	0	December 2025	Planned	Planned	Not Yet Planned
Sweden	2	8	90	0	December 2025	Planned	Ongoing without CEF Funding	Not Yet Planned
Switzerland	26	37	27	10	*	Ongoing without CEF Funding	Ongoing without CEF Funding	Not Yet Planned

* The remaining scope of the Gap is Not yet Planned

Aerodrome Meteorological Information Service

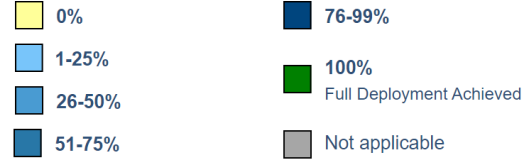


5.4.1 Meteorological Information Exchange - Aerodrome Meteorological information Service



Gap Implementation Progress

The chart shows the overall Family implementation status, taking into account all inputs coming from involved Stakeholders



Stakeholder Implementation Status



Powered by EUROCONTROL

Country	Completed (%)	Ongoing (%)	Planned (%)	Not Yet Planned (%)	Implementation date
Austria	8	75	17	0	December 2025
Belgium	6	53	41	0	December 2025
Bulgaria	51	42	7	0	December 2025
Croatia	9	83	0	8	*
Cyprus	0	0	89	11	*
Czech Republic	76	20	4	0	December 2025
Denmark	24	35	41	0	December 2025
Estonia	47	12	11	30	*
Finland	77	12	11	0	December 2025
France	16	73	11	0	December 2025
Germany	37	51	10	2	*
Greece	0	0	0	100	*
Hungary	1	3	96	0	December 2027
Ireland	10	83	7	0	December 2025
Italy	25	12	63	0	December 2025
Latvia	3	30	37	30	*
Lithuania	3	30	37	30	*
Luxembourg	0	0	100	0	December 2025
Maastricht UAC	0	0	100	0	December 2025
Malta	7	59	4	30	*
Netherlands	46	37	17	0	December 2025
Norway	1	6	13	80	*
Poland	3	30	67	0	December 2025
Portugal	3	30	67	0	December 2025
Romania	7	59	0	34	*
Slovak Republic	6	56	38	0	December 2025
Slovenia	33	59	8	0	December 2025
Spain	27	32	41	0	December 2025
Sweden	3	30	67	0	December 2025
Switzerland	68	19	0	13	*

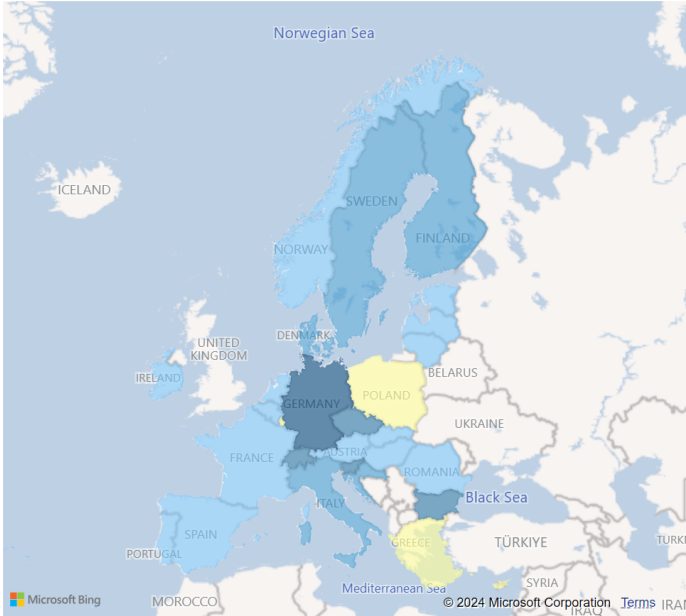
Provider	Consumer			
	MET	ANSP	Airport Operator	Network Manager
Austria	Dark Blue	Light Blue	Yellow	Orange
Belgium	Dark Blue	Light Blue	Light Blue	Orange
Bulgaria	Dark Blue	Light Blue	Light Blue	Orange
Croatia	Dark Blue	Light Blue	Light Blue	Orange
Cyprus	Dark Blue	Light Blue	Light Blue	Orange
Czech Republic	Dark Blue	Light Blue	Light Blue	Orange
Denmark	Dark Blue	Light Blue	Light Blue	Orange
Estonia	Dark Blue	Light Blue	Light Blue	Orange
Finland	Dark Blue	Light Blue	Light Blue	Orange
France	Dark Blue	Light Blue	Light Blue	Orange
Germany	Dark Blue	Light Blue	Light Blue	Orange
Greece	Dark Blue	Light Blue	Light Blue	Orange
Hungary	Dark Blue	Light Blue	Light Blue	Orange
Ireland	Dark Blue	Light Blue	Light Blue	Orange
Italy	Dark Blue	Light Blue	Light Blue	Orange
Latvia	Dark Blue	Light Blue	Light Blue	Orange
Lithuania	Dark Blue	Light Blue	Light Blue	Orange
Luxembourg	Dark Blue	Light Blue	Light Blue	Orange
Maastricht UAC	Dark Blue	Light Blue	Light Blue	Orange
Malta	Dark Blue	Light Blue	Light Blue	Orange
Netherlands	Dark Blue	Light Blue	Light Blue	Orange
Norway	Dark Blue	Light Blue	Light Blue	Orange
Poland	Dark Blue	Light Blue	Light Blue	Orange
Portugal	Dark Blue	Light Blue	Light Blue	Orange
Romania	Dark Blue	Light Blue	Light Blue	Orange
Slovak Republic	Dark Blue	Light Blue	Light Blue	Orange
Slovenia	Dark Blue	Light Blue	Light Blue	Orange
Spain	Dark Blue	Light Blue	Light Blue	Orange
Sweden	Dark Blue	Light Blue	Light Blue	Orange
Switzerland	Dark Blue	Light Blue	Light Blue	Orange

* The remaining scope of the Gap is Not yet Planned

En-Route and Approach Meteorological information Service



5.4.1 Meteorological Information Exchange - En-Route and Approach Meteorological information service



Gap Implementation Progress

The chart shows the overall Family implementation status, taking into account all inputs coming from involved Stakeholders

- 0% (Yellow)
- 1-25% (Light Blue)
- 26-50% (Medium Blue)
- 51-75% (Dark Blue)
- 76-99% (Very Dark Blue)
- 100% Full Deployment Achieved (Green)
- Not applicable (Grey)

Stakeholder Implementation Status

- Completed with CEF Funding (Dark Green)
- Completed without CEF Funding (Light Green)
- Fully covered by CEF Funding (Blue)
- Ongoing with CEF Funding (Dark Blue)
- Ongoing without CEF Funding (Light Blue)
- Planned (Yellow)
- Not Yet Planned (Orange)
- Not applicable (Grey)

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Country	Completed (%)	Ongoing (%)	Planned (%)	Not Yet Planned (%)	Implementation date
Austria	9	78	13	0	September 2028
Belgium	6	53	0	41	*
Bulgaria	51	36	13	0	December 2025
Croatia	32	55	13	0	March 2028
Cyprus	0	0	80	20	*
Czech Republic	52	42	6	0	December 2025
Denmark	42	11	47	0	December 2027
Estonia	5	48	20	27	*
Finland	32	48	20	0	December 2029
France	18	75	7	0	December 2025
Germany	82	11	7	0	December 2025
Greece	0	0	0	100	*
Hungary	3	30	67	0	December 2027
Ireland	9	78	13	0	December 2027
Italy	33	60	7	0	December 2025
Latvia	3	24	73	0	December 2027
Lithuania	3	30	40	27	*
Luxembourg	0	0	100	0	December 2025
Maastricht UAC	3	30	67	0	December 2025
Malta	5	48	47	0	December 2025
Netherlands	9	78	13	0	December 2025
Norway	1	6	13	80	*
Poland	0	0	100	0	December 2025
Portugal	8	72	20	0	December 2028
Romania	6	53	0	41	*
Slovak Republic	6	53	41	0	December 2025
Slovenia	58	29	13	0	December 2025
Spain	24	35	41	0	December 2025
Sweden	32	55	13	0	March 2028
Switzerland	64	16	0	20	*

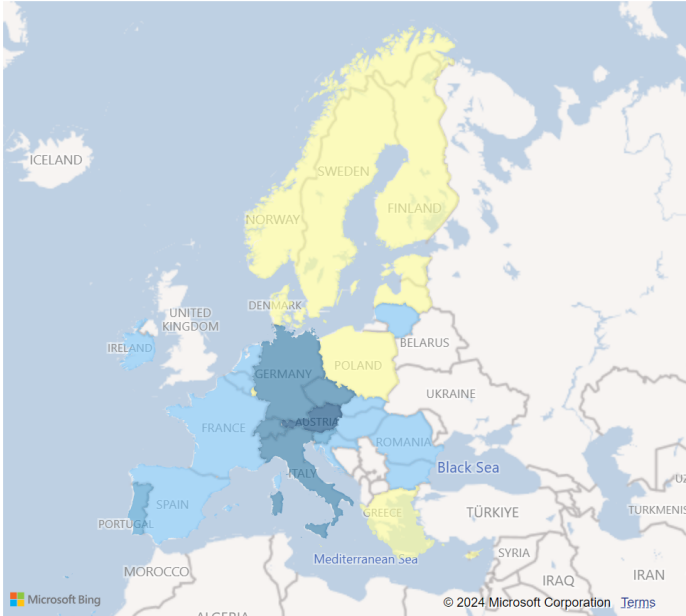
Provider	Consumer	
MET	ANSP	Network Manager
Austria	Not Yet Planned	Not Yet Planned
Belgium	Ongoing without CEF Funding	Not Yet Planned
Bulgaria	Ongoing without CEF Funding	Not Yet Planned
Croatia	Ongoing without CEF Funding	Not Yet Planned
Cyprus	Planned	Not Yet Planned
Czech Republic	Ongoing without CEF Funding	Not Yet Planned
Denmark	Ongoing with CEF Funding	Planned
Estonia	Ongoing without CEF Funding	Planned
Finland	Ongoing without CEF Funding	Not Yet Planned
France	Ongoing with CEF Funding	Not Yet Planned
Germany	Ongoing with CEF Funding	Not Yet Planned
Greece	Not Yet Planned	Not Yet Planned
Hungary	Ongoing without CEF Funding	Not Yet Planned
Ireland	Ongoing with CEF Funding	Not Yet Planned
Italy	Ongoing without CEF Funding	Not Yet Planned
Latvia	Ongoing without CEF Funding	Planned
Lithuania	Ongoing without CEF Funding	Not Yet Planned
Luxembourg	Planned	Planned
Maastricht UAC	Not applicable	Not Yet Planned
Malta	Planned	Not Yet Planned
Netherlands	Ongoing with CEF Funding	Not Yet Planned
Norway	Not Yet Planned	Ongoing without CEF Funding
Poland	Planned	Planned
Portugal	Ongoing without CEF Funding	Planned
Romania	Ongoing with CEF Funding	Not Yet Planned
Slovak Republic	Ongoing without CEF Funding	Not Yet Planned
Slovenia	Ongoing without CEF Funding	Not Yet Planned
Spain	Ongoing without CEF Funding	Not Yet Planned
Sweden	Ongoing without CEF Funding	Not Yet Planned
Switzerland	Ongoing without CEF Funding	Not Yet Planned

* The remaining scope of the Gap is Not yet Planned

Network Meteorological Information Service



5.4.1 Meteorological Information Exchange - Network Meteorological Information



Gap Implementation Progress

The chart shows the overall Family implementation status, taking into account all inputs coming from involved Stakeholders

- 0% (Yellow)
- 1-25% (Light Blue)
- 26-50% (Medium Blue)
- 51-75% (Dark Blue)
- 76-99% (Dark Blue)
- 100% Full Deployment Achieved (Green)
- Not applicable (Grey)

Stakeholder Implementation Status

- Completed with CEF Funding (Dark Green)
- Completed without CEF Funding (Light Green)
- Fully covered by CEF Funding (Blue)
- Ongoing with CEF Funding (Dark Blue)
- Ongoing without CEF Funding (Light Blue)
- Planned (Yellow)
- Not Yet Planned (Orange)
- Not applicable (Grey)

Powered by EUROCONTROL

Country	Completed (%)	Ongoing (%)	Planned (%)	Not Yet Planned (%)	Implementation date
Austria	76	11	13	0	September 2028
Belgium	3	24	53	20	*
Bulgaria	9	78	13	0	December 2025
Croatia	9	78	13	0	March 2028
Cyprus	0	0	0	100	*
Czech Republic	73	21	6	0	December 2025
Denmark	0	0	100	0	December 2025
Estonia	0	0	100	0	December 2025
Finland	0	0	100	0	December 2029
France	15	72	13	0	December 2025
Germany	75	5	0	20	*
Greece	0	0	0	100	*
Hungary	9	78	13	0	December 2027
Ireland	9	78	13	0	December 2027
Italy	71	23	6	0	December 2025
Latvia	0	0	100	0	December 2025
Lithuania	3	30	67	0	December 2025
Luxembourg	0	0	87	13	*
Maastricht UAC	3	30	67	0	December 2025
Malta	0	0	0	100	*
Netherlands	5	48	47	0	December 2025
Norway	0	0	0	100	*
Poland	0	0	100	0	December 2025
Portugal	29	24	47	0	December 2027
Romania	5	48	0	47	*
Slovak Republic	3	30	67	0	December 2025
Slovenia	33	54	13	0	December 2025
Spain	3	30	67	0	December 2025
Sweden	0	0	100	0	December 2025
Switzerland	64	16	0	20	*

Provider	Consumer	
MET	ANSP	Network Manager
Austria	Not Yet Planned	Not Yet Planned
Belgium	Not Yet Planned	Not Yet Planned
Bulgaria	Ongoing without CEF Funding	Not Yet Planned
Croatia	Ongoing without CEF Funding	Not Yet Planned
Cyprus	Not Yet Planned	Not Yet Planned
Czech Republic	Ongoing without CEF Funding	Not Yet Planned
Denmark	Planned	Not Yet Planned
Estonia	Planned	Not Yet Planned
Finland	Planned	Not Yet Planned
France	Ongoing with CEF Funding	Not Yet Planned
Germany	Ongoing without CEF Funding	Not Yet Planned
Greece	Not Yet Planned	Not Yet Planned
Hungary	Ongoing without CEF Funding	Not Yet Planned
Ireland	Ongoing with CEF Funding	Not Yet Planned
Italy	Ongoing without CEF Funding	Not Yet Planned
Latvia	Planned	Not Yet Planned
Lithuania	Ongoing without CEF Funding	Not Yet Planned
Luxembourg	Planned	Not Yet Planned
Maastricht UAC	Ongoing without CEF Funding	Not Yet Planned
Malta	Not Yet Planned	Not Yet Planned
Netherlands	Planned	Not Yet Planned
Norway	Not Yet Planned	Not Yet Planned
Poland	Planned	Not Yet Planned
Portugal	Planned	Not Yet Planned
Romania	Not Yet Planned	Not Yet Planned
Slovak Republic	Ongoing without CEF Funding	Not Yet Planned
Slovenia	Ongoing without CEF Funding	Not Yet Planned
Spain	Ongoing without CEF Funding	Not Yet Planned
Sweden	Planned	Not Yet Planned
Switzerland	Ongoing without CEF Funding	Not Yet Planned

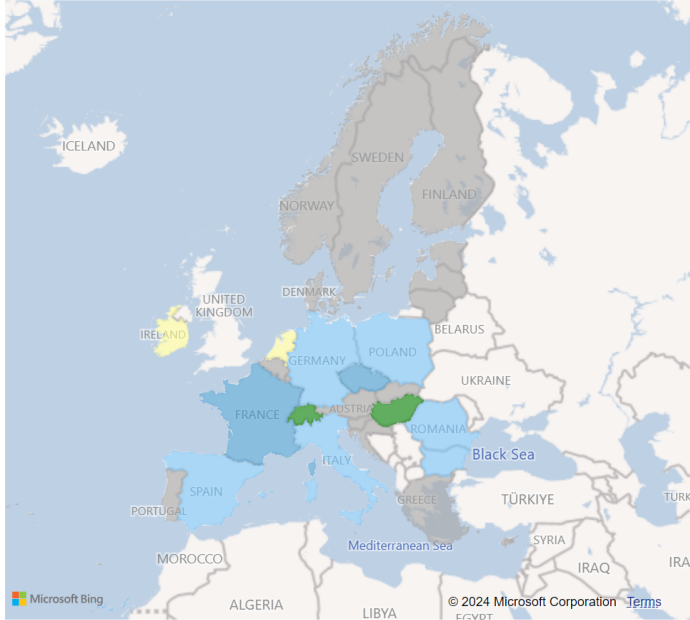
* The remaining scope of the Gap is Not yet Planned

Family 5.5.1 - SWIM Services

ATFCM Tactical Updates Service (Airport Capacity and Enroute)

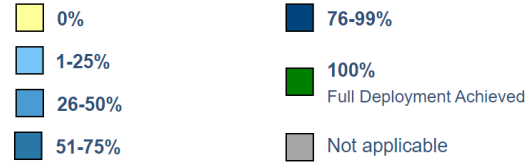


5.5.1 Cooperative Network Information Exchange - ATFCM Tactical Updates Service (Airport Capacity and Enroute)



Gap Implementation Progress

The chart shows the overall Family implementation status, taking into account all inputs coming from involved Stakeholders



Stakeholder Implementation Status



Powered by EUROCONTROL

Country	Completed (%)	Ongoing (%)	Planned (%)	Not Yet Planned (%)	Implementation date
Austria	0	0	0	0	
Belgium	0	0	0	0	
Bulgaria	5	45	50	0	December 2025
Croatia	0	0	0	0	
Cyprus	0	0	0	0	
Czech Republic	38	12	50	0	December 2025
Denmark	0	0	0	0	
Estonia	0	0	0	0	
Finland	0	0	0	0	
France	50	0	50	0	December 2025
Germany	5	45	50	0	December 2025
Greece	0	0	0	0	
Hungary	100	0	0	0	January 2021
Ireland	0	0	0	100	*
Italy	20	30	50	0	December 2025
Latvia	0	0	0	0	
Lithuania	0	0	0	0	
Luxembourg	0	0	0	0	
Maastricht UAC	100	0	0	0	December 2021
Malta	0	0	0	0	
Netherlands	0	0	100	0	December 2025
Norway	0	0	0	0	
Poland	5	45	50	0	December 2025
Portugal	0	0	0	0	
Romania	20	30	50	0	December 2025
Slovak Republic	0	0	0	0	
Slovenia	0	0	0	0	
Spain	20	30	50	0	December 2024
Sweden	0	0	0	0	
Switzerland	100	0	0	0	**

Provider	Consumer
Network Manager	ANSP
Green	Grey
Green	Grey
Green	Light Blue
Green	Grey
Green	Light Blue
Green	Grey
Green	Light Blue
Green	Grey
Green	Light Blue
Green	Grey
Green	Light Green
Green	Orange
Green	Light Blue
Green	Grey
Green	Light Blue
Green	Grey
Green	Light Blue
Green	Grey
Green	Light Blue
Green	Grey
Green	Light Green

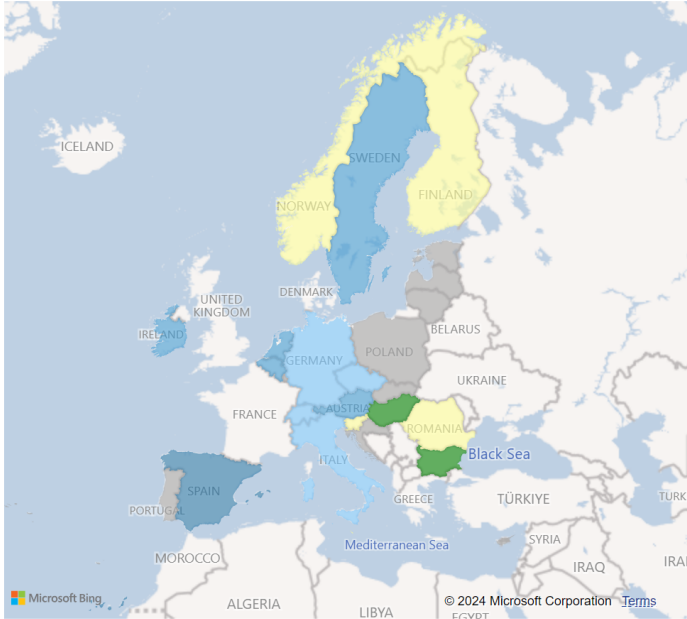
* The remaining scope of the Gap is Not yet Planned

** Missing data

Flight Management Service

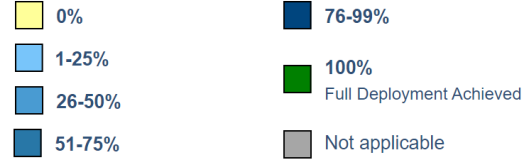


5.5.1 Cooperative Network Information Exchange – Flight Management Service (Slots and NOP/AOP integration)



Gap Implementation Progress

The chart shows the overall Family implementation status, taking into account all inputs coming from involved Stakeholders



Stakeholder Implementation Status



Powered by EUROCONTROL

Country	Completed (%)	Ongoing (%)	Planned (%)	Not Yet Planned (%)	Implementation date
Austria	43	32	25	0	December 2025
Belgium	50	0	50	0	December 2025
Bulgaria	100	0	0	0	December 2023
Croatia	0	0	0	0	
Cyprus	0	0	0	0	
Czech Republic	10	40	50	0	December 2025
Denmark	75	0	25	0	December 2025
Estonia	0	0	0	0	
Finland	0	0	100	0	December 2025
France	88	0	12	0	March 2024
Germany	14	21	40	25	*
Greece	0	0	0	100	*
Hungary	100	0	0	0	January 2020
Ireland	45	30	25	0	December 2025
Italy	17	27	56	0	December 2025
Latvia	0	0	0	0	
Lithuania	0	0	0	0	
Luxembourg	0	0	0	0	
Maastricht UAC	50	0	50	0	December 2025
Malta	0	0	100	0	December 2025
Netherlands	38	0	62	0	December 2025
Norway	0	0	100	0	December 2027
Poland	0	0	0	0	
Portugal	0	0	0	0	
Romania	0	0	100	0	December 2025
Slovak Republic	0	0	0	0	
Slovenia	0	0	100	0	October 2025
Spain	75	0	25	0	December 2025
Sweden	50	25	25	0	December 2025
Switzerland	13	25	12	50	*

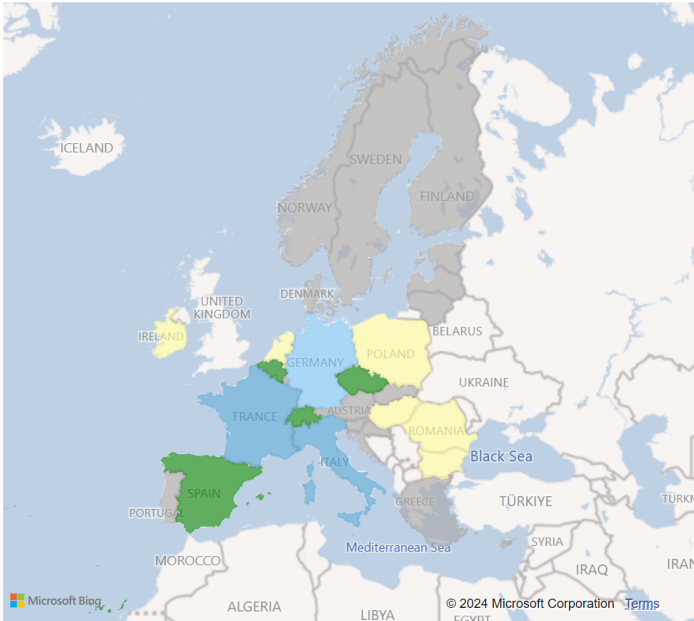
Provider	Consumer	
Network Manager	ANSP	APO
Austria	Grey	Light Blue
Belgium	Light Blue	Light Blue
Bulgaria	Green	Grey
Croatia	Grey	Grey
Cyprus	Grey	Grey
Czech Republic	Light Blue	Light Blue
Denmark	Grey	Dark Blue
Estonia	Grey	Grey
Finland	Yellow	Grey
France	Light Green	Dark Blue
Germany	Light Blue	Dark Blue
Greece	Orange	Dark Blue
Hungary	Light Green	Grey
Ireland	Grey	Dark Blue
Italy	Light Blue	Light Blue
Latvia	Grey	Grey
Lithuania	Grey	Grey
Luxembourg	Grey	Grey
Maastricht UAC	Light Blue	Light Blue
Malta	Yellow	Grey
Netherlands	Yellow	Light Blue
Norway	Yellow	Grey
Poland	Grey	Grey
Portugal	Grey	Grey
Romania	Yellow	Grey
Slovak Republic	Grey	Grey
Slovenia	Yellow	Grey
Spain	Light Green	Light Blue
Sweden	Grey	Dark Blue
Switzerland	Orange	Light Blue

* The remaining scope of the Gap is Not yet Planned

Counts Service (ATFCM congestion points)



5.5.1 Cooperative Network Information Exchange – Counts service (ATFCM Congestion Points)



Gap Implementation Progress

The chart shows the overall Family implementation status, taking into account all inputs coming from involved Stakeholders

- 0% (Yellow)
- 1-25% (Light Blue)
- 26-50% (Medium Blue)
- 51-75% (Dark Blue)
- 76-99% (Very Dark Blue)
- 100% Full Deployment Achieved (Green)
- Not applicable (Grey)

Stakeholder Implementation Status

- Completed with CEF Funding (Dark Green)
- Completed without CEF Funding (Light Green)
- Fully covered by CEF Funding (Blue)
- Ongoing with CEF Funding (Dark Blue)
- Ongoing without CEF Funding (Light Blue)
- Planned (Yellow)
- Not Yet Planned (Orange)
- Not applicable (Grey)

Powered by EUROCONTROL

Country	Completed (%)	Ongoing (%)	Planned (%)	Not Yet Planned (%)	Implementation date
Austria	0	0	0	0	
Belgium	100	0	0	0	December 2022
Bulgaria	0	0	100	0	December 2025
Croatia	0	0	0	0	
Cyprus	0	0	0	0	
Czech Republic	100	0	0	0	December 2018
Denmark	0	0	0	0	
Estonia	0	0	0	0	
Finland	0	0	0	0	
France	50	0	50	0	December 2024
Germany	10	40	0	50	*
Greece	0	0	0	0	
Hungary	0	0	100	0	December 2025
Ireland	0	0	0	100	*
Italy	50	0	50	0	June 2024
Latvia	0	0	0	0	
Lithuania	0	0	0	0	
Luxembourg	0	0	0	0	
Maastricht UAC	100	0	0	0	December 2021
Malta	0	0	0	0	
Netherlands	0	0	100	0	December 2025
Norway	0	0	0	0	
Poland	0	0	100	0	December 2025
Portugal	0	0	0	0	
Romania	0	0	100	0	December 2025
Slovak Republic	0	0	0	0	
Slovenia	0	0	0	0	
Spain	100	0	0	0	November 2021
Sweden	0	0	0	0	
Switzerland	100	0	0	0	**

Provider	Consumer
Network Manager	ANSP
Dark Green	Grey
Dark Green	Light Green
Dark Green	Yellow
Dark Green	Grey
Dark Green	Light Green
Dark Green	Grey
Dark Green	Grey
Dark Green	Dark Blue
Dark Green	Light Blue
Dark Green	Grey
Dark Green	Yellow
Dark Green	Orange
Dark Green	Light Blue
Dark Green	Grey
Dark Green	Light Green
Dark Green	Grey
Dark Green	Yellow
Dark Green	Light Green
Dark Green	Grey
Dark Green	Light Green

* The remaining scope of the Gap is Not yet Planned

** Missing data

Family 5.6.1 – SWIM Services

Filing Service



5.6.1 Flight Information Exchange (Yellow Profile) - Filing Service



Gap Implementation Progress

The chart shows the overall Family implementation status, taking into account all inputs coming from involved Stakeholders

 0%	 76-99%
 1-25%	 100% Full Deployment Achieved
 26-50%	 Not applicable
 51-75%	

Stakeholder Implementation Status

 Completed with CEF Funding	 Ongoing without CEF Funding
 Completed without CEF Funding	 Planned
 Fully covered by CEF Funding	 Not Yet Planned
 Ongoing with CEF Funding	 Not applicable

Powered by EUROCONTROL

	Completed (%)	Ongoing (%)	Planned (%)	Not Yet Planned (%)	Implementation date
Network Manager	100	0	0	0	December 2022

Provider
Network Manager

Trial Service



5.6.1 Flight Information Exchange (Yellow Profile) - Trial Service



Gap Implementation Progress

The chart shows the overall Family implementation status, taking into account all inputs coming from involved Stakeholders

0%	76-99%
1-25%	100% Full Deployment Achieved
26-50%	Not applicable
51-75%	

Stakeholder Implementation Status

Completed with CEF Funding	Ongoing without CEF Funding
Completed without CEF Funding	Planned
Fully covered by CEF Funding	Not Yet Planned
Ongoing with CEF Funding	Not applicable

Powered by EUROCONTROL

	Completed (%)	Ongoing (%)	Planned (%)	Not Yet Planned (%)	Implementation date
Network Manager	100	0	0	0	December 2022

Provider
Network Manager

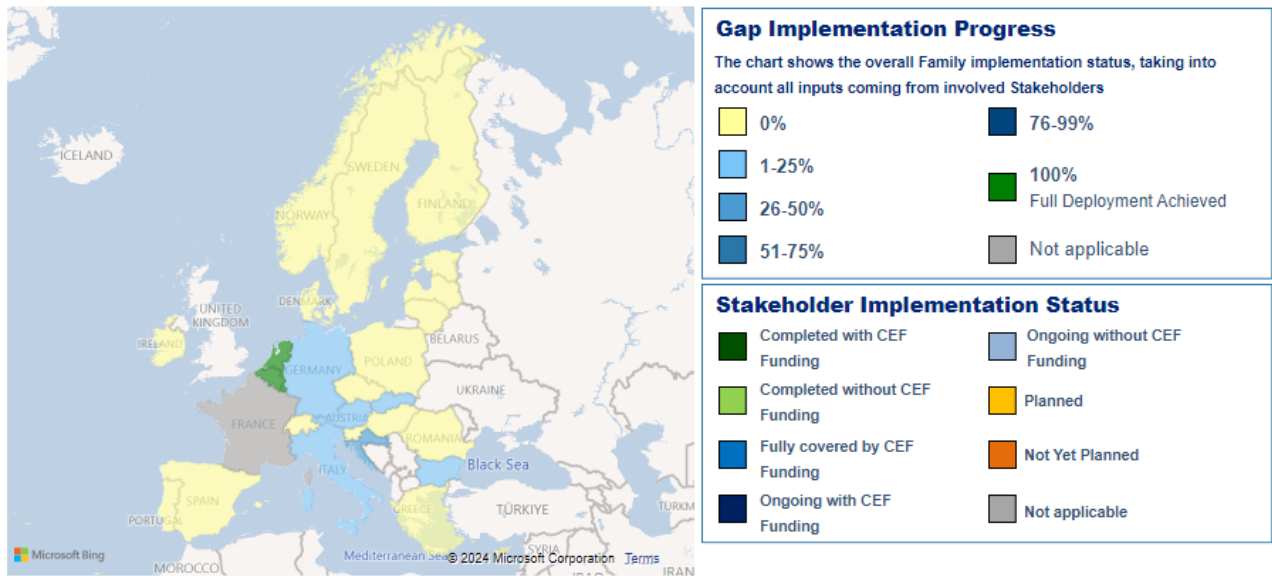
AF6 - Initial Trajectory Information Sharing

Family 6.1.2 – Initial Air-Ground Trajectory Information Sharing (Ground Domain)



6.1.2 Initial Air-Ground Trajectory Information Sharing (Ground Domain)

CP1 Target date December 2027	Total # of closed gaps 4	Total # of open gaps 25
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Country	Completed (%)	Ongoing (%)	Planned (%)	Not Yet Planned (%)	Implementation date	ANSP
Austria	8	72	20	0	September 2028	
Belgium	100	0	0	0	December 2022	
Bulgaria	3	27	70	0	December 2027	
Croatia	28	27	45	0	March 2028	
Cyprus	0	0	0	100	*	
Czech Republic	0	0	0	100	*	
Denmark	0	0	100	0	March 2029	
Estonia	0	0	0	100	*	
Finland	0	0	100	0	March 2029	
France	0	0	0	0		
Germany	3	22	0	75	*	
Greece	0	0	0	100	*	
Hungary	0	0	0	100	*	
Ireland	0	0	0	100	*	
Italy	3	22	75	0	December 2027	
Latvia	0	0	0	100	*	
Lithuania	0	0	100	0	December 2030	
Luxembourg	100	0	0	0	December 2022	
Maastricht UAC	100	0	0	0	December 2022	
Malta	0	0	0	100	*	
Netherlands	100	0	0	0	December 2022	
Norway	0	0	100	0	December 2029	
Poland	0	0	0	100	*	
Portugal	0	0	0	100	*	
Romania	0	0	0	100	*	
Slovak Republic	3	22	75	0	December 2027	
Slovenia	0	0	100	0	December 2027	
Spain	0	0	0	100	*	
Sweden	0	0	100	0	June 2028	
Switzerland	0	0	0	100	*	

* The remaining scope of the Gap is Not yet Planned

Family 6.2.1 – Network Manager Trajectory Information Enhancement



6.2.1 Network Manager Trajectory Information Enhancement

CP1 Target date December 2027	Total # of closed gaps 0	Total # of open gaps 1
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Gap Implementation Progress

The chart shows the overall Family implementation status, taking into account all inputs coming from involved Stakeholders

0%	76-99%
1-25%	100% Full Deployment Achieved
26-50%	Not applicable
51-75%	

Stakeholder Implementation Status

Completed with CEF Funding	Ongoing without CEF Funding
Completed without CEF Funding	Planned
Fully covered by CEF Funding	Not Yet Planned
Ongoing with CEF Funding	Not applicable

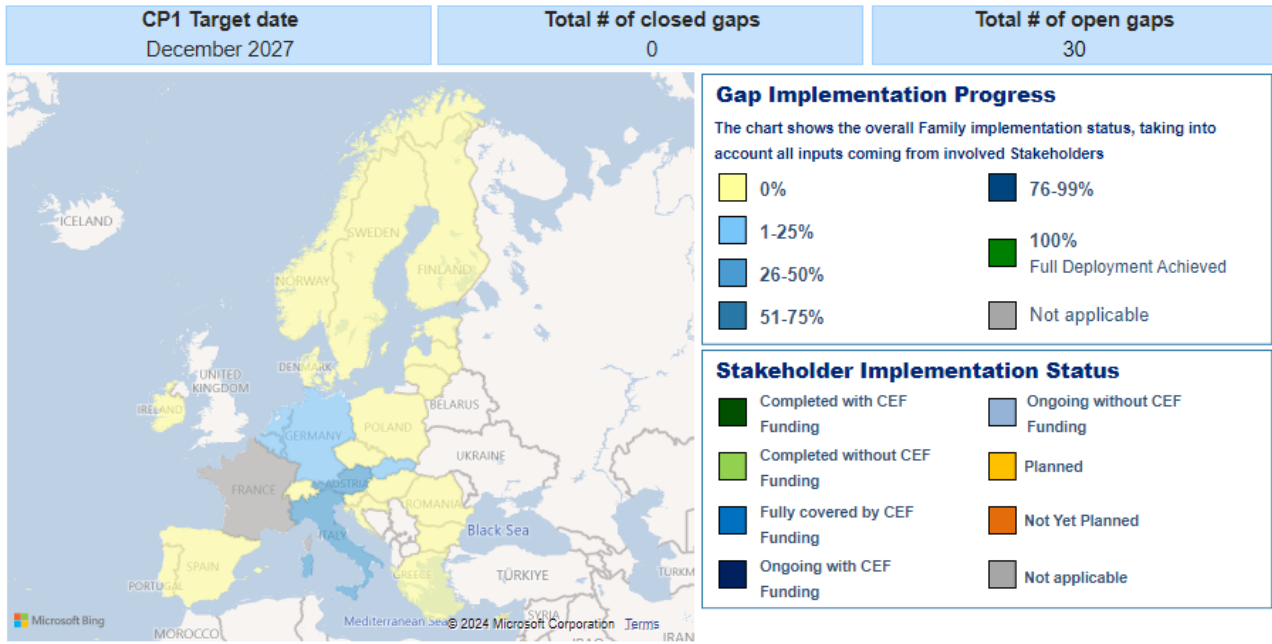
Network Manager	Completed (%)	Ongoing (%)	Planned (%)	Not Yet Planned (%)	Implementation date	Network Manager
	0	0	0	100	*	

* The remaining scope of the Gap is Not yet Planned

Family 6.3.1 – Initial Trajectory Information Sharing ground distribution



6.3.1 Initial Trajectory Information Sharing ground distribution



Country	Completed (%)	Ongoing (%)	Planned (%)	Not Yet Planned (%)	Implementation date	ANSP
Austria	31	49	20	0	September 2028	
Belgium	3	22	75	0	December 2027	
Bulgaria	0	0	100	0	November 2027	
Croatia	0	0	45	55	*	
Cyprus	0	0	100	0	December 2027	
Czech Republic	0	0	0	100	*	
Denmark	0	0	0	100	*	
Estonia	0	0	0	100	*	
Finland	0	0	100	0	December 2027	
France	0	0	0	0		
Germany	3	22	0	75	*	
Greece	0	0	100	0	December 2027	
Hungary	0	0	100	0	December 2027	
Ireland	0	0	100	0	December 2027	
Italy	28	22	50	0	December 2027	
Latvia	0	0	100	0	December 2027	
Lithuania	0	0	100	0	December 2030	
Luxembourg	3	22	75	0	December 2027	
Maastricht UAC	3	22	75	0	December 2027	
Malta	0	0	100	0	December 2027	
Netherlands	3	22	75	0	December 2027	
Norway	0	0	100	0	December 2027	
Poland	0	0	100	0	December 2027	
Portugal	0	0	0	100	*	
Romania	0	0	100	0	December 2027	
Slovak Republic	3	22	75	0	December 2027	
Slovenia	0	0	100	0	December 2027	
Spain	0	0	0	100	*	
Sweden	0	0	100	0	December 2027	
Switzerland	0	0	0	100	*	

* The remaining scope of the Gap is Not yet Planned

	Completed (%)	Ongoing (%)	Planned (%)	Not Yet Planned (%)	Implementation date	Network Manager
Network Manager	20	0	0	80	December 2027	

3. Outlook on CP1 deployment for Airspace Users

The implementation of the SESAR Deployment Programme goes beyond the local ground deployment: it also requires the contribution of Civil and Military Airspace Users, who are actively contributing to the implementation of AF3, AF4, AF5 and AF6. The synchronisation between ground and airborne investments is a key enabler for accelerating deployment and improving performances.

For this reason, the CP1 monitoring activities have been complemented with data gathering tools and instruments that would involve all required operational stakeholders, including Airspace Users.

Since the establishment of dedicated surveys in 2015, a wide number of airlines – including all major European hub carriers and point-to-point carriers – have provided targeted and up-to-date feedback on the alignment of their fleet capabilities and of their flight planning systems with the PCP, now CP1, requirements.

In particular, as depicted in Figure 2, the Airspace Users have individual Deployment Milestones to be addressed in the SESAR Deployment Programme 2022, hence they are considered as implementation gaps. The following Families must be considered in this Airspace Users gap category:

- Family 3.1.1 - *ASM and A-FUA*;
- Family 3.2.1 - *Initial FRA*;
- Family 3.2.2 - *Enhanced FRA*;
- Family 4.1.1 - *Enhanced Short Term ATFCM Measures*;
- Family 4.2.1 - *Interactive rolling NOP*;
- Family 5.2.1 - *Stakeholders' SWIM PKI and cyber security*;
- Family 5.3.1 - *Aeronautical Information Exchange*. In particular, AU systems shall be upgraded to:
 - consume and use the European Airspace Use Plan (EAUP) and its updates (EUUP), published by NM via the NM B2B Airspace Availability Service;
- Family 5.5.1 - *Cooperative Network Information Exchange*, In particular, AU systems shall be upgraded to use the NM B2B Services in order to:
 - consume Flights updates Including ATFCM Slots provided via Flight Management Service,
 - consume Traffic Regulations provided via Measures Service,
 - collaborate on the application of STAM;
- Family 5.6.1 - *Flight Information Exchange*, In particular, AU systems shall be upgraded to use the NM B2B Services in order to:
 - consume the Filing Service in support of information Exchange of FF-ICE;
- Family 6.1.1 - *Initial Air-Ground Trajectory Information Sharing (Airborne domain)*.

Those implementation gaps are considered to have a geographically transversal nature, hence they are not assigned to specific geographical scopes.

Key principles underpinning the SDM Monitoring Exercise for Airspace Users

While the monitoring of ANSPs' progress is performed through the LSSIP+ tool, the collection of data and information from airlines is organised around the distribution and collection of individual monitoring templates to make sure CP1-relevant data is requested, featuring all technical and operational information to allow an easy completion. In the majority of the cases the templates were distributed through the Airspace Users' organizations such as IATA and A4E or have been directly provided by SDM.

The main reason is that most of CP1 requirements are applicable to flights (aircraft) operating as general air traffic in accordance with instrument flight rules within the Single European Sky airspace, this includes all AU's transiting through SES airspace or operating in SES airports.

This database is planned to be kept constantly updated through the continuous synchronisation activities and monitoring of the Programme implementation, also taking into duly account the inputs stemming from the military side, gathered thanks to the support of EDA.

Results

The Airspace Users Monitoring Exercise resulted in the reception of 31 feedbacks, 24 from Civil Airspace Users and 7 from Military Airspace Users. Among them, 21 Civil Airspace Users are based in the 27 Member

States of the EU plus the 4 states of the European Free Trade Association (EFTA), representing a fleet of 2400 aircraft, 2 are based in non-EU ECAC Region, representing a fleet of 356 aircraft, expected to operate the majority of their fleet into or over EU airspace. One is based in the US with a fleet size of 960 aircraft out of which only a small portion, namely the long range equipment is expected to operate into, over or out of EU airspace.

Compared to the last reporting cycle which was still impacted by the COVID-19 crisis, the airline feedback on this survey has improved but is still at a low level. It has to be noted that the presented data cannot be seen as fully representative, although some important considerations can be made. The below assessment analyses the contribution provided by the Civil Airspace Users.

According to the replies, all the respondent airlines confirmed the completion of the SDP Families with a CP1 target date set in the past (Family 3.1.1 ASM and A-FUA, Family 3.2.1 Initial FRA, Family 4.1.1 Enhanced STAM, Family 4.2.1 Interactive Rolling NOP).

Family 3.1.1 ASM and A-FUA

Target date: 31 December 2022

This Family includes two requirements for Airspace Users:

1. Airspace Users must be able to interface with the Network Manager systems in accordance with AF3. Interfaces must be set out to allow updated real-time airspace data to be sent to operational stakeholder systems and allow those stakeholders to communicate information in an accurate and timely manner. These systems must be modified to enable such interfaces using the available SWIM services set out in point 5.1.3 in IR (EU) 2021/116 (CP1).
2. Flight Planning systems must be capable to process FPL (Flight Plan Message) improvements (based on EAUP/EUUP information) received via RRP (Re-routing Proposal Message) or Opportunity tool application and have to be used in daily operations.

According to the contribution received, not all Airspace users' systems (Computer Flight Plan Software Providers - CFSP) are able to achieve full automation. They have capabilities to receive information and to process them in their Flight Planning Systems but the latter has to be triggered manually. The interpretation is that, to comply with CP1, only the receiving capability needs to be automated, but the recalculation of the flight plan may be manually performed.

Family 3.2.1 Initial FRA

Target date: 31 December 2022

This Family includes two requirements for Airspace Users:

1. Operational procedures have to be in place to take into account the airspace and traffic constraints of Initial FRA.
2. The Flight Planning system is adapted as necessary to support initial FRA restrictions, e.g., in terms of lateral, vertical or time limitations.

Although the Airspace Users already operate FRA across Europe, not all Airspace Users' implementations are in a way to generate optimum benefits yet. In fact, CFSPs are still in the process of optimising flight plans calculations.

Family 3.2.2 Enhanced Free Route Airspace Operations

Target date: 31 December 2025

This Family includes two requirements for Airspace Users:

1. Operational procedures have to be in place to take into account the airspace and traffic constraints when planning a route in Enhanced Free Route environment (Enhanced Free Route environment covers also cross-border FRA, TMA connectivity and 24/7 FRA above FL305).
2. The Flight Planning system has to be adapted as necessary to support Enhanced Free Route operations, e.g.: Cross-border FRA, RAD, TMA connecting routes.

The cross-border FRA is not completely developed yet. Currently, 65% reported completed with regard to requirement 1 and 62% with regard to requirement 2. However, in FABs where cross border FRA is already deployed, (e.g., Baltic FAB, Danube FAB, DK-SE FAB, NEFAB, UK-Ireland FAB and FAB CE), benefits are evident for Airspace Users enhanced by the inter-FAB FRA initiatives in place, such as Borealis.

Family 4.1.1 Enhanced Short Term ATFCM Measures

Target date: 31 December 2022

Procedures (automatic or manual) have to be set up including the transmission to the concerned crew, to monitor the validity of the flight plan with regard to any mandatory rerouting or modification of slot, as required by STAM measures.

This Family was implemented uneventfully on Airspace Users' side and no concerns have been raised.

Family 4.2.1 Interactive rolling NOP

Target date: 31 December 2023

The procedures for reception, transmission to the flight crews and usage of calculated take-off times ('CTOT') shared by NM which include Target Time information appear to be widely achieved.

Family 5.2.1 Stakeholders' SWIM PKI and cyber security

Target date: 31 December 2025

Local procedures and systems to manage digital certificates (validation, revocation, etc.), as stated in the relevant section for Family 5.2.1 of the SESAR Deployment Programme, have to be implemented.

PKI mechanism are used in B2B communication already today and may be maintained without changes. In fact, 62% of the reporting AUs' responded to have completed this Family already.

Family 5.3.1 Aeronautical Information Exchange

Target date: 31 December 2025

NM B2B airspace availability service including EAUP/EUUP information has to be consumed in the daily operations by updating Flight Planning and/or any other relevant FOC system).

Two years prior the target date, 27% of the reporting AUs' indicate to have completed already. Some Airspace Users reported having the function in place but not automated or via B2B.

Family 5.5.1 Cooperative Network Information Exchange

Target date: 31 December 2025

This Family includes three requirements for AUs:

1. the Airspace Users' flight planning system is upgraded to consume the flight updates relative to their flights (including the ATFM slot), which are published by NM via the NM B2B Services;
2. the Airspace Users' flight planning system is upgraded to consume the measures updates, published by NM via the NM B2B Services, which may affect their flights;
3. the Airspace Users' system is upgraded to use the NM B2B Services in order to collaborate with NM on the application of STAM measures.

Being two years ahead the target date, about 45% of the reporting AUs indicated to have completed this Family already. Implementation is ongoing and no concerns have been raised within this monitoring campaign. It is important to mention that, if no SWIM yellow profile B2B interface is implemented, NM will be providing tools to support manual processing.

Family 5.6.1 Flight Information Exchange

Target date: 31 December 2025

Airspace Users will have to adapt or replace existing Flight plan Filing systems in order to implement the capability submitting eFPL to NM.

According to the received contributions, the 35% of the responding airlines is capable to consume NM B2B Filing Service as a part FF-ICE/R1 to submit eFPL to NM.

The FF-ICE/R1 implementation system requirements have been defined in collaboration with the system suppliers by the 42% of the responding airlines, whereas 38% of them started the rollout or the update of the flight planning filing system, and more than one third of the respondent have already trained the relevant personnel.

However, even if 50% of the airlines have a firm commitment from CFSPs on the implementation date, only one airline, representing a considerable portion of the traffic, is already sending FF-ICE/R1 flight plans for individual city pairs, and indicated that this will successively ramp-up to meet the target date.

According to the received contributions, Airspace Users depend on their CFSPs.

It can be concluded from the replies that Airspace Users' CP1 deployment for AF3, AF4 and AF5 relies, on the developments that the CFSPs are deploying. In any case, some airlines have already developed their own tailored solutions as well, mainly to benefit from early opportunities of the NM B2B connection.

Most of the traffic generated by European airlines, as well as most of the flight plans filed in the ECAC region including non-EU airlines, is planned by means of systems supplied by a limited number of CFSPs. Among those, the most important in terms of generated flight plans, have already made significant progress in terms of the ATM Families affecting airlines' developments (e.g eFPL + Filing Service consumption), including testing with NM.

Family 6.1.1 Initial Air-Ground Trajectory Information Sharing (Airborne Domain)

Target date: 31 December 2027

For flights operating as general air traffic in accordance with instrument flight rules within the airspace above flight level 285 within the Single European Sky airspace, Aircraft operators must ensure that aircraft with an individual certificate of airworthiness first issued on or after 31 December 2027 are equipped with ADS-C EPP as part of ATS B2 capability.

According to the monitoring campaign 2023, the availability of airborne products is currently limited to Airbus A320 and A330 Families. Other manufacturers are awaiting clear descriptions of airborne equipment requirements to be included in CS/ACNS certification specifications. There is currently no retrofit activity reported yet. In spite of this, in February 2024, 332 ADS-C EPP capable aircraft are listed in the EUROCONTROL Datalink LOGON LIST. 189 of them are registered in the EU with most of the flights flying in EU airspace, 54 registered in Iceland, Norway, Switzerland or UK with a huge portion of the flights operated into, over or out of EU airspaces and 89 aircraft registered outside EU27+4 countries with sporadic flights into, over or out of EU airspaces.

Appendix - Current status of CP1 deployment – Aggregated view per Applicability Area

The present Appendix aims at illustrating within a single snapshot all relevant information concerning the current status of the Common Project One deployment within each of the countries included in the geographical scope defined within Regulation (EU) n. 2021/116. Gaps are differentiated between airport gaps and country gaps. In this respect, for Families in AF1 and, AF2 and Families 4.2.2 and 4.4.1 the applicable airports are explicitly listed, as per Regulation (EU) n. 2021/116.

This Appendix is fed by the same data and information included within Section 2, gathered from operational Stakeholders through the Monitoring Exercise, as well as by information stemming from the SDM coordination activities and oversight on CEF-funded Implementation Projects.

The following pages encompass dedicated tables per each country included within the geographical scope of the Common Project One, illustrating the following information:

- overview of the status of the implementation gaps for the country, differentiating between those which have already been closed, those which are ongoing or planned and those for which no specific plans have been elaborated by the relevant Stakeholders;



- status of coverage for each gap associated to a Family of the Deployment Programme, encompassing the following percentages and information (in case of airport gaps the airports are also listed and detailed):
 - Completed, i.e. what has been already deployed;
 - Ongoing, i.e. the percentage of the Family covered by ongoing activities;
 - Planned, i.e. the percentage of the Family planned to be covered by future initiatives;
 - Not yet planned, i.e. the percentage of the Family for which no specific plan has been elaborated;
 - Implementation date of the Family deployment;
 - CEF projects, illustrating whether one or more SDM-coordinated projects contribute to the deployment of the Family (if Yes).

The same logic applies for both Country and Airport gaps.

Airport Gaps							Country Gaps						
Family	Completed (%)	Ongoing (%)	Planned (%)	Not Yet Planned (%)	Implementation date	CEF Projects	Family	Completed (%)	Ongoing (%)	Planned (%)	Not Yet Planned (%)	Implementation date	CEF Projects
1.1.1	100	0	0	0	June 2018	Yes	3.1.1	100	0	0	0	December 2017	
2.1.1	87	13	0	0	December 2024	Yes	3.1.2	100	0	0	0	December 2017	
2.2.1	100	0	0	0	December 2018	Yes	3.2.1	100	0	0	0	November 2011	

To ease the identification of the completed gaps or the implementations set beyond the CP1 target dates, the rows of the table are coloured in green or red, respectively.

To get a full picture of the individual status for each Stakeholder category (ANSP, Airport Operator, MET Provider, AISP, NM) contributing to the local implementation, refer to Family and Service Views (Section 2).

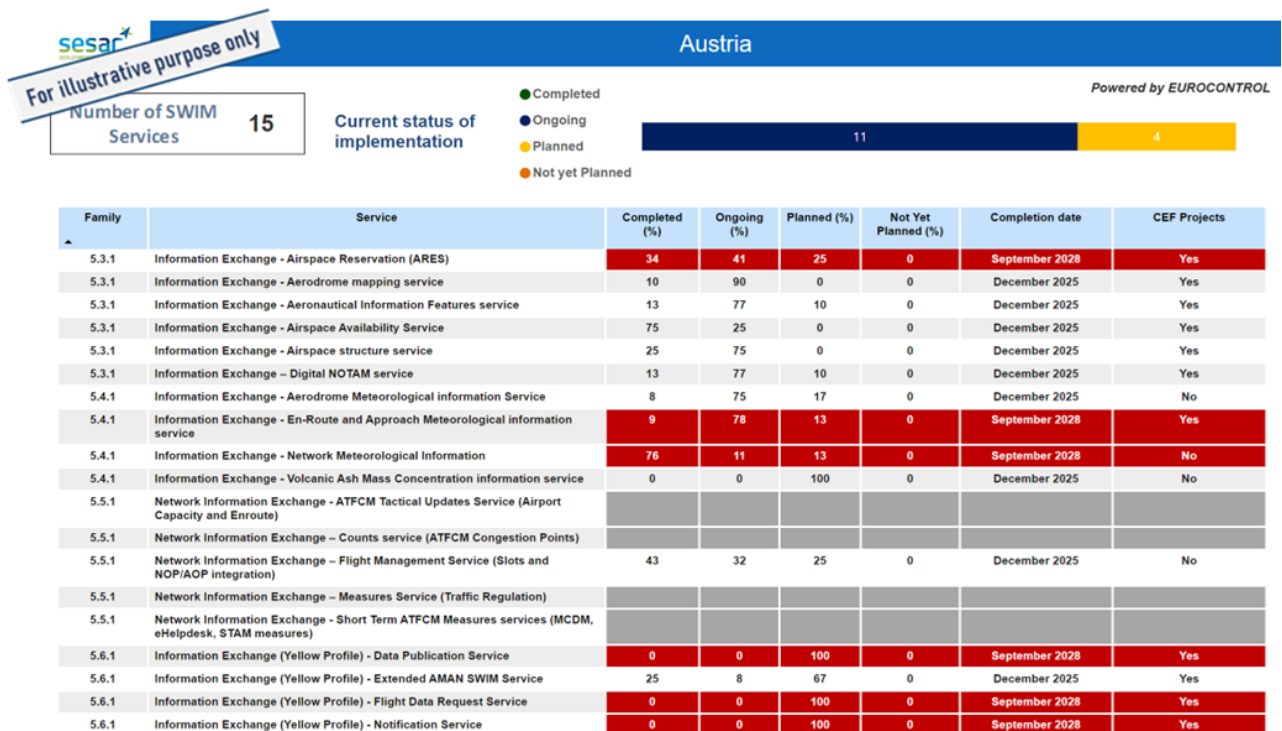
Furthermore, the table at the bottom of each chart lists the SDM-coordinated and EU-funded Implementation Projects which directly involve Stakeholders operating within the relevant country.

The closed projects are also duly highlighted.

List of CEF-funded initiatives awarded to Stakeholders			
Reference Number	CEF Project Title	Implementing Partners	Closed
#006AF5	Quality (ADQ)	Austro Control	✔
	Performance Based Navigation (PBN) implementation in Vienna (LOWW)	Austro Control	✔
	External Gateway System (EGS) Implementation	Austro Control	✔
#009AF5	Integrated Briefing System New (IBSN)	Austro Control	✔
#011AF2	Collaborative Decision Management (CDM) fully implemented	Austro Control	✔

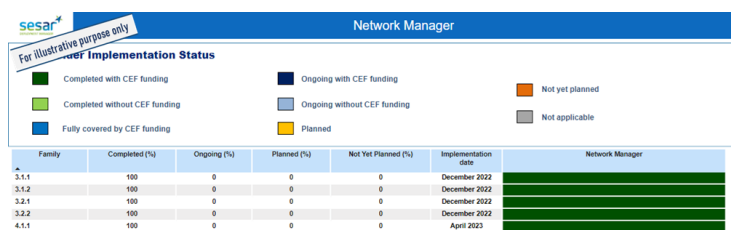
Service View

In order to provide a comprehensive view on AF5 implementation status, a dedicated chart, with similar structure as described above, is provided for each single SWIM service constituting Families 5.3.1, 5.4.1, 5.5.1 and 5.6.1.



Network Manager View

In addition to the section included at the bottom of the chart of each Family applicable, the contribution of Network Manager to the overall CP1 implementation is summarised in a dedicated view.



The table represents the implementation details of the impacted Families, in terms of percentages, implementation dates and Stakeholder status, following the same logics adopted to describe the implementation at Family View.

Austria



Austria

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Number of gaps **21**

Current status of implementation

- Completed
- Ongoing
- Planned
- Not yet Planned



Airport Gaps								Country Gaps							
Family	Airport	Completed (%)	Ongoing (%)	Planned (%)	Not Yet Planned (%)	Implementation date	CEF Projects	Family	Completed (%)	Ongoing (%)	Planned (%)	Not Yet Planned (%)	Implementation date	CEF Projects	
1.1.1	Vienna Schwechat	100	0	0	0	November 2022	Yes	3.1.1	100	0	0	0	November 2023		
2.1.1	Vienna Schwechat	100	0	0	0	April 2022	Yes	3.1.2	100	0	0	0	May 2022		
2.2.1	Vienna Schwechat	100	0	0	0	December 2023		3.2.1	100	0	0	0	November 2016		
2.2.2	Vienna Schwechat	0	0	100	0	December 2027		3.2.2	100	0	0	0	November 2016		
2.3.1	Vienna Schwechat	31	7	62	0	March 2027	Yes	4.1.1	100	0	0	0	May 2022		
4.2.2	Vienna Schwechat	100	0	0	0	December 2023	Yes	4.2.1	100	0	0	0	December 2023		
4.4.1	Vienna Schwechat	0	0	100	0	December 2027		4.3.1	100	0	0	0	May 2022		
								5.2.1	4	29	67	0	December 2025		
								5.3.1	28	64	8	0	September 2028	Yes	
								5.4.1	23	41	36	0	September 2028		
								5.5.1	43	32	25	0	December 2025		
								5.6.1	6	2	92	0	September 2028		
								6.1.2	8	72	20	0	September 2028		
								6.3.1	31	49	20	0	September 2028		

Chart Key

- Completed Gaps
- Foreseen implementation beyond CP1 deadline

List of CEF-funded initiatives awarded to Stakeholders

Reference Number	CEF Project Title	Implementing Partners	Closed
#006AF5	ATM Data Quality (ADQ)	Austro Control	✓
#007AF1	Performance Based Navigation (PBN) implementation in Vienna (LOWW)	Austro Control	✓
#008AF2	External Gateway System (EGS) Implementation	Austro Control	✓
#009AF5	Integrated Briefing System New (IBSN)	Austro Control	✓
#011AF2	Collaborative Decision Management (CDM) fully implemented	Austro Control	✓
#102AF3	Free route airspace from the Black Forest to the Black Sea	Austro Control	✓
2015_021_AF4	Slot Manager for PCP airports	Sabre	✓
2015_106_AF4	Flight evolution and upgrade of interfaces with NM stakeholders	Sabre	✓
2015_107_AF3	NM Systems upgrades in support of DCTs and FRA	Sabre	✓
2015_110_AF4	STAM Phase 2 (NM)	Sabre	✓
2015_114_AF4	Implementation of Target Times for ATFCM purposes (NM)	Sabre	✓
2015_174_AF5_A	NewPENS Stakeholders contribution for the procurement and deployment of NewPENS - Part A: General Call	Austro Control	✓
2015_207_AF3_A	Harmonisation of Technical ATM Platform in 5 ANSP including support of free Route Airspace and preparation of PCP program. (COOPANS B3.3, B3.4 and B3.5)	Austro Control	✓
2015_220_AF2	AF2_MET-Compliance-Programme	Austro Control	✓
2015_230_AF5	AF5 AIM Compliance Programme	Austro Control	✓
2015_231_AF5	METSW-DB PCP Evolution	Austro Control	✓
2015_232_AF2	TBS4LOWW (Time Based Separation for Vienna Airport)	Austro Control	✓
2015_234_AF1_A	AMAN LOWW initial	Austro Control	✓
2015_234_AF1_B	AMAN LOWW initial	Austro Control	✓
2015_236_AF3	VHF Concept Implementation 2020	Austro Control	✓
2016_027_AF5	European Deployment Roadmap for Flight Object Interoperability	Austro Control	✓
2016_075_AF3_A	FAB CE wide Study of DAM and STAM - General Call	Austro Control	✓
2016_134_AF3	Implementation of rolling ASM/ATFCM	Sabre	✓
2016_141_AF5	Deploy SWIM governance	Austro Control	✓
2016_147_AF1	RNP APCH RWY 29 Vienna	Austro Control	✓
2016_149_AF5	Austro Control iSWIM Capability Infrastructure	Austro Control	✓
2016_159_AF6	DLS Implementation Project - Path 2	Austro Control	✓
2016_161_AF6	DLS Implementation Project - Path 1 Ground stakeholders	Austro Control	✓
2017_004_AF1	Flight Crew Training for RNP1 Operations	AUA	✓
2017_052_AF4	AOP-NOP Integration - Extended Implementation	VIE	✓
2017_053_AF3	Implementation of rolling ASM/ATFCM	Sabre	✓
2017_056_AF5	Towards Shared Business Trajectory / Trajectory Based Operations	Sabre	✓
2017_058_AF2	ITWP4LOWW (Integrated Tower Working Position for Vienna Schwechat)	Austro Control	✓
2017_066_AF5	Implementing harmonised SWIM (Y) solution in COOPANS ANSPs and general PCP compliance	Austro Control	✓
2017_084_AF5	SWIM Common PKI and policies & procedures for establishing a Trust framework	Austro Control	✓
2017_089_AF6	IP1 - DLS European Target Solution assessment	Austro Control	✓
2017_089_AF6	IP1 - DLS European Target Solution assessment	PLUS	✓
2022_014_AF5	Acceleration of Aeronautical Digital Information Availability (ACADIA)	ACDS	✓
2022_014_AF5	Acceleration of Aeronautical Digital Information Availability (ACADIA)	Austro Control	✓
2022_020_AF5	ASM SWIM	Austro Control	✓



Austria

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Number of SWIM Services **15**

Current status of implementation

- Completed
- Ongoing
- Planned
- Not yet Planned



Family	Service	Completed (%)	Ongoing (%)	Planned (%)	Not Yet Planned (%)	Completion date	CEF Projects
5.3.1	Information Exchange - Airspace Reservation (ARES)	34	41	25	0	September 2028	Yes
5.3.1	Information Exchange - Aerodrome mapping service	10	90	0	0	December 2025	Yes
5.3.1	Information Exchange - Aeronautical Information Features service	13	77	10	0	December 2025	Yes
5.3.1	Information Exchange - Airspace Availability Service	75	25	0	0	December 2025	Yes
5.3.1	Information Exchange - Airspace structure service	25	75	0	0	December 2025	Yes
5.3.1	Information Exchange – Digital NOTAM service	13	77	10	0	December 2025	Yes
5.4.1	Information Exchange - Aerodrome Meteorological information Service	8	75	17	0	December 2025	No
5.4.1	Information Exchange - En-Route and Approach Meteorological information service	9	78	13	0	September 2028	Yes
5.4.1	Information Exchange - Network Meteorological Information	76	11	13	0	September 2028	No
5.4.1	Information Exchange - Volcanic Ash Mass Concentration information service	0	0	100	0	December 2025	No
5.5.1	Network Information Exchange - ATFCM Tactical Updates Service (Airport Capacity and Enroute)						
5.5.1	Network Information Exchange – Counts service (ATFCM Congestion Points)						
5.5.1	Network Information Exchange – Flight Management Service (Slots and NOP/AOP integration)	43	32	25	0	December 2025	No
5.5.1	Network Information Exchange – Measures Service (Traffic Regulation)						
5.5.1	Network Information Exchange - Short Term ATFCM Measures services (MCDM, eHelpdesk, STAM measures)						
5.6.1	Information Exchange (Yellow Profile) - Data Publication Service	0	0	100	0	September 2028	Yes
5.6.1	Information Exchange (Yellow Profile) - Extended AMAN SWIM Service	25	8	67	0	December 2025	Yes
5.6.1	Information Exchange (Yellow Profile) - Flight Data Request Service	0	0	100	0	September 2028	Yes
5.6.1	Information Exchange (Yellow Profile) - Notification Service	0	0	100	0	September 2028	Yes

Chart Key

- Completed SWIM Service
- Foreseen implementation beyond CP1 deadline

Belgium



Belgium

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Number of gaps **21**

Current status of implementation

- Completed
- Ongoing
- Planned
- Not yet Planned



Airport Gaps							
Family	Airport	Completed (%)	Ongoing (%)	Planned (%)	Not Yet Planned (%)	Implementation date	CEF Projects
1.1.1	Brussels National	0	1	8	91	*	
2.1.1	Brussels National	100	0	0	0	March 2019	
2.2.1	Brussels National	100	0	0	0	December 2023	Yes
2.2.2	Brussels National	0	0	100	0	December 2027	
2.3.1	Brussels National	100	0	0	0	February 2016	Yes
4.2.2	Brussels National	69	26	5	0	June 2024	Yes
4.4.1	Brussels National	0	0	100	0	December 2027	

Country Gaps							
Family	Completed (%)	Ongoing (%)	Planned (%)	Not Yet Planned (%)	Implementation date	CEF Projects	
3.1.1	100	0	0	0	September 2022		
3.1.2	100	0	0	0	July 2022		
3.2.1	100	0	0	0	October 2019		
3.2.2	100	0	0	0	October 2019		
4.1.1	100	0	0	0	December 2022		
4.2.1	100	0	0	0	December 2022		
4.3.1	100	0	0	0	December 2022		
5.2.1	0	0	100	0	December 2025		
5.3.1	54	22	17	7	*		
5.4.1	4	33	43	20	*		
5.5.1	75	0	25	0	December 2025		
5.6.1	0	0	75	25	*		
6.1.2	100	0	0	0	December 2022		
6.3.1	3	22	75	0	December 2027		

Chart Key

- Completed Gaps
- Foreseen implementation beyond CP1 deadline

* The remaining scope of the Gap is Not yet Planned

List of CEF-funded initiatives awarded to Stakeholders

Reference Number	CEF Project Title	Implementing Partners	Closed
#013AF1	Implementation of RNP Approaches with Vertical Guidance at the Belgian civil aerodromes within the Brussels TMA	skeyes	✔
#014AF5	MPLS WAN Project	skeyes	✔
#015AF3	LARA integration in CANAC 2	skeyes	✔
#016AF5	Initial WXXM Implementation on Belgocontrol systems	skeyes	✔
#018AF2	Enhancement of Airport Safety Nets for Brussels Airport (EBBR)	skeyes	✔
#022AF2	Vehicle Tracking System (VTS)	BAC	✔
2015_021_AF4	Slot Manager for PCP airports	BAL	✔
2015_067_AF5	European Weather Radar Composite of Convection Information Service	EUMETNET	✔
2015_068_AF5	European Harmonised Forecasts of Adverse Weather (Icing, Turbulence, Convection and Winter weather)	EUMETNET	✔
2015_069_AF5	European MET Information Exchange (MET-GATE)	EUMETNET	✔
2015_174_AF5_A	NewPENS Stakeholders contribution for the procurement and deployment of NewPENS - Part A: General Call	skeyes	✔
2015_244_AF2	APOC implementation	BAC	✔
2015_245_AF2	AIRSTAT	BAC	✔
2016_131_AF4	AOP-NOP Integration - Extended Implementation	BAC	✔
2016_141_AF5	Deploy SWIM governance	EUMETNET	✔
2016_150_AF2_GND	Enablers for Airport Surface Movement related to Safety Nets	BAC	✔
2016_159_AF6	DLS Implementation Project - Path 2	SITA S.C.R.L.	✔
2016_161_AF6	DLS Implementation Project - Path 1 Ground stakeholders	SITA S.C.R.L.	✔
2017_022_AF2	Synchronised stakeholder decision on process optimisation at airport level	BAC	✔
2017_022_AF2	Synchronised stakeholder decision on process optimisation at airport level	skeyes	✔
2017_062_AF4	Traffic Complexity Assessment and Simulations Tool – TCAST	skeyes	✔
2017_084_AF5	SWIM Common PKI and policies & procedures for establishing a Trust framework	skeyes	✔



Belgium

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Number of SWIM Services **16**

Current status of implementation

● Completed

● Ongoing

● Planned

● Not yet Planned



Family	Service	Completed (%)	Ongoing (%)	Planned (%)	Not Yet Planned (%)	Completion date	CEF Projects
5.3.1	Information Exchange - Airspace Reservation (ARES)	0	0	100	0	December 2025	No
5.3.1	Information Exchange - Aerodrome mapping service	80	20	0	0	December 2025	No
5.3.1	Information Exchange - Aeronautical Information Features service	64	16	0	20	*	No
5.3.1	Information Exchange - Airspace Availability Service	75	25	0	0	December 2024	No
5.3.1	Information Exchange - Airspace structure service	43	57	0	0	December 2024	No
5.3.1	Information Exchange – Digital NOTAM service	64	16	0	20	*	No
5.4.1	Information Exchange - Aerodrome Meteorological information Service	6	53	41	0	December 2025	Yes
5.4.1	Information Exchange - En-Route and Approach Meteorological information service	6	53	0	41	*	Yes
5.4.1	Information Exchange - Network Meteorological Information	3	24	53	20	*	No
5.4.1	Information Exchange - Volcanic Ash Mass Concentration information service	0	0	80	20	*	No
5.5.1	Network Information Exchange - ATFCM Tactical Updates Service (Airport Capacity and Enroute)						
5.5.1	Network Information Exchange – Counts service (ATFCM Congestion Points)	100	0	0	0	December 2022	No
5.5.1	Network Information Exchange – Flight Management Service (Slots and NOP/AOP integration)	50	0	50	0	December 2025	No
5.5.1	Network Information Exchange – Measures Service (Traffic Regulation)						
5.5.1	Network Information Exchange - Short Term ATFCM Measures services (MCDM, eHelpdesk, STAM measures)						
5.6.1	Information Exchange (Yellow Profile) - Data Publication Service	0	0	100	0	December 2027	No
5.6.1	Information Exchange (Yellow Profile) - Extended AMAN SWIM Service	0	0	0	100	*	No
5.6.1	Information Exchange (Yellow Profile) - Flight Data Request Service	0	0	100	0	December 2027	No
5.6.1	Information Exchange (Yellow Profile) - Notification Service	0	0	100	0	December 2027	No

Chart Key



* The remaining scope of the Gap is Not yet Planned

Bulgaria



Bulgaria

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Number of SWIM Services

Current status of implementation

- Completed
- Ongoing
- Planned
- Not yet Planned



Airport Gaps							
Family	Airport	Completed (%)	Ongoing (%)	Planned (%)	Not Yet Planned (%)	Implementation date	CEF Projects

Country Gaps							
Family	Completed (%)	Ongoing (%)	Planned (%)	Not Yet Planned (%)	Implementation date	CEF Projects	
3.1.1	100	0	0	0	December 2023		
3.1.2	100	0	0	0	December 2023		
3.2.1	100	0	0	0	November 2013		
3.2.2	100	0	0	0	December 2021		
4.1.1	100	0	0	0	December 2022		
4.2.1	100	0	0	0	December 2023		
4.3.1	100	0	0	0	November 2020		
5.2.1	77	2	21	0	December 2025		
5.3.1	45	0	55	0	December 2025		
5.4.1	28	39	33	0	December 2025		
5.5.1	29	21	50	0	December 2025		
5.6.1	0	0	100	0	December 2026		
6.1.2	3	27	70	0	December 2027		
6.3.1	0	0	100	0	November 2027		

Chart Key

- Completed Gaps
- Foreseen implementation beyond CP1 deadline

List of CEF-funded initiatives awarded to Stakeholders

Reference Number	CEF Project Title	Implementing Partners	Closed
2015_174_AF5_B	NewPENS Stakeholders contribution for the procurement and deployment of NewPENS - Part B: Cohesion Call	BULATSA	✓
2015_217_AF4	ICAT implementation in Sofia ACC	BULATSA	✓
2016_062_AF5	Creating Local Security Operation Center	BULATSA	✓
2016_141_AF5	Deploy SWIM governance	BULATSA	✓
2016_159_AF6	DLS Implementation Project - Path 2	BULATSA	✓
2017_084_AF5	SWIM Common PKI and policies & procedures for establishing a Trust framework	BULATSA	✓
2017_089_AF6	IP1 - DLS European Target Solution assessment	BULATSA	✓



Bulgaria

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Number of SWIM Services **17**

Current status of implementation

- Completed
- Ongoing
- Planned
- Not yet Planned



Family	Service	Completed (%)	Ongoing (%)	Planned (%)	Not Yet Planned (%)	Completion date	CEF Projects
5.3.1	Information Exchange - Airspace Reservation (ARES)	25	0	75	0	December 2025	No
5.3.1	Information Exchange - Aerodrome mapping service						
5.3.1	Information Exchange - Aeronautical Information Features service	0	0	100	0	December 2025	No
5.3.1	Information Exchange - Airspace Availability Service	100	0	0	0	December 2023	No
5.3.1	Information Exchange - Airspace structure service	100	0	0	0	April 2017	No
5.3.1	Information Exchange - Digital NOTAM service	0	0	100	0	December 2025	No
5.4.1	Information Exchange - Aerodrome Meteorological information Service	51	42	7	0	December 2025	No
5.4.1	Information Exchange - En-Route and Approach Meteorological information service	51	36	13	0	December 2025	No
5.4.1	Information Exchange - Network Meteorological Information	9	78	13	0	December 2025	No
5.4.1	Information Exchange - Volcanic Ash Mass Concentration information service	0	0	100	0	December 2025	No
5.5.1	Network Information Exchange - ATFCM Tactical Updates Service (Airport Capacity and Enroute)	5	45	50	0	December 2025	No
5.5.1	Network Information Exchange - Counts service (ATFCM Congestion Points)	0	0	100	0	December 2025	No
5.5.1	Network Information Exchange - Flight Management Service (Slots and NOP/AOP integration)	100	0	0	0	December 2023	No
5.5.1	Network Information Exchange - Measures Service (Traffic Regulation)	20	30	50	0	December 2025	No
5.5.1	Network Information Exchange - Short Term ATFCM Measures services (MCDM, eHelpdesk, STAM measures)	20	30	50	0	December 2025	No
5.6.1	Information Exchange (Yellow Profile) - Data Publication Service	0	0	100	0	December 2025	No
5.6.1	Information Exchange (Yellow Profile) - Extended AMAN SWIM Service						
5.6.1	Information Exchange (Yellow Profile) - Flight Data Request Service	0	0	100	0	December 2025	No
5.6.1	Information Exchange (Yellow Profile) - Notification Service	0	0	100	0	December 2025	No

Chart Key

- Completed SWIM Service
- Foreseen implementation beyond CP1 deadline

Croatia



Croatia

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Number of gaps **13**

Current status of implementation

- Completed
- Ongoing
- Planned
- Not yet Planned



Airport Gaps							
Family	Airport	Completed (%)	Ongoing (%)	Planned (%)	Not Yet Planned (%)	Implementation date	CEF Projects

Country Gaps						
Family	Completed (%)	Ongoing (%)	Planned (%)	Not Yet Planned (%)	Implementation date	CEF Projects
3.1.1	100	0	0	0	January 2022	
3.1.2	100	0	0	0	July 2022	
3.2.1	100	0	0	0	December 2016	
3.2.2	100	0	0	0	December 2021	
4.1.1	100	0	0	0	December 2022	
4.2.1	100	0	0	0	December 2023	
4.3.1	100	0	0	0	December 2023	
5.2.1	3	26	29	42	*	
5.3.1	31	35	34	0	March 2028	
5.4.1	12	54	7	27	*	
5.5.1						
5.6.1	0	0	100	0	March 2028	
6.1.2	28	27	45	0	March 2028	
6.3.1	0	0	45	55	*	

Chart Key

- Completed Gaps
- Foreseen implementation beyond CP1 deadline

* The remaining scope of the Gap is Not yet Planned

List of CEF-funded initiatives awarded to Stakeholders

Reference Number	CEF Project Title	Implementing Partners	Closed
#102AF3	Free route airspace from the Black Forest to the Black Sea	Croatia Control	✔
2015_047_AF5	Modernisation of IP based G/G Data Network in CCL - CaRT/IWAN-NG	Croatia Control	✔
2015_049_AF5	CCL cyber security architecture - ExCO-NG	Croatia Control	✔
2015_050_AF3	SIMULATION AND IMPLEMENTATION OF SEAFRA H24	Croatia Control	✔
2015_051_AF3	VARP - VoIP ATC Radio Project	Croatia Control	✔
2015_174_AF5_B	NewPENS Stakeholders contribution for the procurement and deployment of NewPENS - Part B: Cohesion Call	Croatia Control	✔
2015_207_AF3_B	Harmonisation of Technical ATM Platform in 5 ANSP including support of free Route Airspace and preparation of PCP program. (COOPANS B3.3, B3.4 and B3.5)	Croatia Control	✔
2016_027_AF5	European Deployment Roadmap for Flight Object Interoperability	Croatia Control	✔
2016_043_AF3	VCS-IP - Upgrade of Voice Communication Systems to support ATM VoIP communications	Croatia Control	✔
2016_044_AF5	Modernization of IP based G/G Data Network in CCL - CaRT/IWAN-NG - Phase II. - Implementation	Croatia Control	✔
2016_075_AF3_B	FAB CE wide Study of DAM and STAM - Cohesion Call	Croatia Control	✔
2016_159_AF6	DLS Implementation Project - Path 2	Croatia Control	✔
2016_161_AF6	DLS Implementation Project - Path 1 Ground stakeholders	Croatia Control	✔
2017_066_AF5	Implementing harmonised SWIM (Y) solution in COOPANS ANSPs and general PCP compliance	Croatia Control	✔
2017_089_AF6	IP1 - DLS European Target Solution assessment	Croatia Control	✔
2022_020_AF5	ASM SWIM	Croatia Control	✔



Croatia

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Number of SWIM Services **13**

Current status of implementation

- Completed
- Ongoing
- Planned
- Not yet Planned



Family	Service	Completed (%)	Ongoing (%)	Planned (%)	Not Yet Planned (%)	Completion date	CEF Projects
5.3.1	Information Exchange - Airspace Reservation (ARES)	5	45	50	0	March 2028	Yes
5.3.1	Information Exchange - Aerodrome mapping service						
5.3.1	Information Exchange - Aeronautical Information Features service	0	0	100	0	December 2025	No
5.3.1	Information Exchange - Airspace Availability Service	75	25	0	0	December 2025	Yes
5.3.1	Information Exchange - Airspace structure service	68	32	0	0	December 2025	Yes
5.3.1	Information Exchange – Digital NOTAM service	8	72	20	0	March 2028	No
5.4.1	Information Exchange - Aerodrome Meteorological information Service	9	83	0	8	*	No
5.4.1	Information Exchange - En-Route and Approach Meteorological information service	32	55	13	0	March 2028	No
5.4.1	Information Exchange - Network Meteorological Information	9	78	13	0	March 2028	No
5.4.1	Information Exchange - Volcanic Ash Mass Concentration information service	0	0	0	100	*	No
5.5.1	Network Information Exchange - ATFCM Tactical Updates Service (Airport Capacity and Enroute)						
5.5.1	Network Information Exchange – Counts service (ATFCM Congestion Points)						
5.5.1	Network Information Exchange – Flight Management Service (Slots and NOP/AOP integration)						
5.5.1	Network Information Exchange – Measures Service (Traffic Regulation)						
5.5.1	Network Information Exchange - Short Term ATFCM Measures services (MCDM, eHelpdesk, STAM measures)						
5.6.1	Information Exchange (Yellow Profile) - Data Publication Service	0	0	100	0	March 2028	No
5.6.1	Information Exchange (Yellow Profile) - Extended AMAN SWIM Service	0	0	100	0	December 2025	No
5.6.1	Information Exchange (Yellow Profile) - Flight Data Request Service	0	0	100	0	March 2028	No
5.6.1	Information Exchange (Yellow Profile) - Notification Service	0	0	100	0	March 2028	No

Chart Key

- Completed SWIM Service
- Foreseen implementation beyond CP1 deadline

* The remaining scope of the Gap is Not yet Planned

Cyprus



Cyprus

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Number of gaps **13**

Current status of implementation

- Completed
- Ongoing
- Planned
- Not yet Planned



Airport Gaps								Country Gaps						
Family	Airport	Completed (%)	Ongoing (%)	Planned (%)	Not Yet Planned (%)	Implementation date	CEF Projects	Family	Completed (%)	Ongoing (%)	Planned (%)	Not Yet Planned (%)	Implementation date	CEF Projects
								3.1.1	100	0	0	0	December 2022	
								3.1.2	100	0	0	0	March 2022	
								3.2.1	100	0	0	0	December 2022	
								3.2.2	8	75	0	17	*	
								4.1.1	100	0	0	0	June 2022	
								4.2.1	100	0	0	0	December 2023	
								4.3.1	100	0	0	0	December 2023	
								5.2.1	1	7	92	0	December 2025	
								5.3.1	44	33	23	0	December 2026	Yes
								5.4.1	0	0	62	38	*	
								5.5.1						
								5.6.1	0	0	100	0	December 2030	
								6.1.2	0	0	0	100	*	
								6.3.1	0	0	100	0	December 2027	

Chart Key

Completed SWIM Service

Foreseen implementation beyond CP1 deadline

* The remaining scope of the Gap is Not yet Planned

List of CEF-funded initiatives awarded to Stakeholders

Reference Number	CEF Project Title	Implementing Partners	Closed
2016_109_AF5	BLUEMED FAB IP Network deployment	DCAC	✔
2022_014_AF5	Acceleration of Aeronautical Digital Information Availability (ACADIA)	DCAC	
2022_020_AF5	ASM SWIM	DCAC	



Cyprus

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Number of SWIM Services **12**

Current status of implementation

- Completed
- Ongoing
- Planned
- Not yet Planned



Family	Service	Completed (%)	Ongoing (%)	Planned (%)	Not Yet Planned (%)	Completion date	CEF Projects
5.3.1	Information Exchange - Airspace Reservation (ARES)	3	22	75	0	December 2026	Yes
5.3.1	Information Exchange - Aerodrome mapping service						
5.3.1	Information Exchange - Aeronautical Information Features service	8	72	20	0	December 2025	Yes
5.3.1	Information Exchange - Airspace Availability Service	100	0	0	0	May 2021	Yes
5.3.1	Information Exchange - Airspace structure service	100	0	0	0	November 2023	Yes
5.3.1	Information Exchange - Digital NOTAM service	8	72	20	0	December 2025	Yes
5.4.1	Information Exchange - Aerodrome Meteorological information Service	0	0	89	11	*	No
5.4.1	Information Exchange - En-Route and Approach Meteorological information service	0	0	80	20	*	No
5.4.1	Information Exchange - Network Meteorological Information	0	0	0	100	*	No
5.4.1	Information Exchange - Volcanic Ash Mass Concentration information service	0	0	80	20	*	No
5.5.1	Network Information Exchange - ATFCM Tactical Updates Service (Airport Capacity and Enroute)						
5.5.1	Network Information Exchange - Counts service (ATFCM Congestion Points)						
5.5.1	Network Information Exchange - Flight Management Service (Slots and NOP/AOP integration)						
5.5.1	Network Information Exchange - Measures Service (Traffic Regulation)						
5.5.1	Network Information Exchange - Short Term ATFCM Measures services (MCDM, eHelpdesk, STAM measures)						
5.6.1	Information Exchange (Yellow Profile) - Data Publication Service	0	0	100	0	December 2030	No
5.6.1	Information Exchange (Yellow Profile) - Extended AMAN SWIM Service						
5.6.1	Information Exchange (Yellow Profile) - Flight Data Request Service	0	0	100	0	December 2030	No
5.6.1	Information Exchange (Yellow Profile) - Notification Service	0	0	100	0	December 2030	No

Chart Key

Completed SWIM Service

Foreseen implementation beyond CP1 deadline

* The remaining scope of the Gap is Not yet Planned

Czech Republic



Czech Republic

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Number of gaps **16**

Current status of implementation

- Completed
- Ongoing
- Planned
- Not yet Planned



Airport Gaps								Country Gaps						
Family	Airport	Completed (%)	Ongoing (%)	Planned (%)	Not Yet Planned (%)	Implementation date	CEF Projects	Family	Completed (%)	Ongoing (%)	Planned (%)	Not Yet Planned (%)	Implementation date	CEF Projects
2.2.2	Prague Václav Havel	5	40	55	0	December 2027	Yes	3.1.1	100	0	0	0	December 2022	
4.4.1	Prague Václav Havel	8	68	24	0	December 2027	Yes	3.1.2	100	0	0	0	December 2022	
								3.2.1	100	0	0	0	February 2021	
								3.2.2	100	0	0	0	December 2022	
								4.1.1	100	0	0	0	December 2018	
								4.2.1	100	0	0	0	December 2019	
								4.3.1	100	0	0	0	April 2023	
								5.2.1	5	3	92	0	December 2025	
								5.3.1	17	21	62	0	December 2025	
								5.4.1	52	31	17	0	December 2025	
								5.5.1	57	13	30	0	December 2025	
								5.6.1	8	30	62	0	December 2025	
								6.1.2	0	0	0	100	*	
								6.3.1	0	0	0	100	*	

Chart Key

Completed Gaps

Foreseen implementation beyond CP1 deadline

* The remaining scope of the Gap is Not yet Planned

List of CEF-funded initiatives awarded to Stakeholders

Reference Number	CEF Project Title	Implementing Partners	Closed
#102AF3	Free route airspace from the Black Forest to the Black Sea	ANS CR	✓
2015_145_AF5_B	AIM Deployment Toolkit	ANS CR	✓
2015_174_AF5_B	NewPENS Stakeholders contribution for the procurement and deployment of NewPENS - Part B: Cohesion Call	ANS CR	✓
2015_196_AF1_B	Extended AMAN in Czech airspace	ANS CR	✓
2015_234_AF1_B	AMAN LOWW initial	ANS CR	✓
2015_239_AF3	Flexible ASM and Free Route	ANS CR	
2015_240_AF4	Traffic Complexity Tools	ANS CR	✓
2015_241_AF5	Meteorological Information Exchange Service	ANS CR	✓
2015_241_AF5	Meteorological Information Exchange Service	CHMI	✓
2015_242_AF3	Free Route implementation into ATM system of ANS CR	ANS CR	✓
2015_243_AF5	Aeronautical Information Distribution Service	ANS CR	✓
2016_065_AF5	SWIM implementation into ATS INFO/ARO system of ANS CR	ANS CR	
2016_075_AF3_B	FAB CE wide Study of DAM and STAM - Cohesion Call	ANS CR	✓
2022_014_AF5	Acceleration of Aeronautical Digital Information Availability (ACADIA)	PRG airport	
2022_022_AF2_AF4	BEACON	PRG airport	



Czech Republic

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Number of SWIM Services **18**

Current status of implementation

- Completed
- Ongoing
- Planned
- Not yet Planned



Family	Service	Completed (%)	Ongoing (%)	Planned (%)	Not Yet Planned (%)	Completion date	CEF Projects
5.3.1	Information Exchange - Airspace Reservation (ARES)	0	0	100	0	December 2025	Yes
5.3.1	Information Exchange - Aerodrome mapping service						
5.3.1	Information Exchange - Aeronautical Information Features service	0	0	100	0	June 2025	Yes
5.3.1	Information Exchange - Airspace Availability Service	75	25	0	0	December 2025	Yes
5.3.1	Information Exchange - Airspace structure service	0	0	100	0	December 2025	Yes
5.3.1	Information Exchange - Digital NOTAM service	10	80	10	0	December 2025	No
5.4.1	Information Exchange - Aerodrome Meteorological information Service	76	20	4	0	December 2025	Yes
5.4.1	Information Exchange - En-Route and Approach Meteorological information service	52	42	6	0	December 2025	Yes
5.4.1	Information Exchange - Network Meteorological Information	73	21	6	0	December 2025	Yes
5.4.1	Information Exchange - Volcanic Ash Mass Concentration information service	10	40	50	0	December 2025	Yes
5.5.1	Network Information Exchange - ATFCM Tactical Updates Service (Airport Capacity and Enroute)	38	12	50	0	December 2025	No
5.5.1	Network Information Exchange - Counts service (ATFCM Congestion Points)	100	0	0	0	December 2018	No
5.5.1	Network Information Exchange - Flight Management Service (Slots and NOP/AOP integration)	10	40	50	0	December 2025	No
5.5.1	Network Information Exchange - Measures Service (Traffic Regulation)	100	0	0	0	December 2018	No
5.5.1	Network Information Exchange - Short Term ATFCM Measures services (MCDM, eHelpdesk, STAM measures)	38	12	50	0	December 2025	No
5.6.1	Information Exchange (Yellow Profile) - Data Publication Service	10	40	50	0	December 2025	Yes
5.6.1	Information Exchange (Yellow Profile) - Extended AMAN SWIM Service	0	0	100	0	December 2025	No
5.6.1	Information Exchange (Yellow Profile) - Flight Data Request Service	10	40	50	0	December 2025	Yes
5.6.1	Information Exchange (Yellow Profile) - Notification Service	10	40	50	0	December 2025	Yes

Chart Key



Denmark



Denmark

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Number of gaps **21**

Current status of implementation

- Completed
- Ongoing
- Planned
- Not yet Planned



Airport Gaps							Country Gaps							
Family	Airport	Completed (%)	Ongoing (%)	Planned (%)	Not Yet Planned (%)	Implementation date	CEF Projects	Family	Completed (%)	Ongoing (%)	Planned (%)	Not Yet Planned (%)	Implementation date	CEF Projects
1.1.1	Copenhagen Kastrup	100	0	0	0	June 2018	Yes	3.1.1	100	0	0	0	December 2017	
2.1.1	Copenhagen Kastrup	87	13	0	0	December 2024	Yes	3.1.2	100	0	0	0	December 2017	
2.2.1	Copenhagen Kastrup	100	0	0	0	December 2018	Yes	3.2.1	100	0	0	0	November 2011	
2.2.2	Copenhagen Kastrup	2	13	0	85	*		3.2.2	100	0	0	0	June 2016	
2.3.1	Copenhagen Kastrup	48	39	13	0	December 2025	Yes	4.1.1	100	0	0	0	December 2022	
4.2.2	Copenhagen Kastrup	77	16	7	0	December 2024	Yes	4.2.1	100	0	0	0	September 2023	
4.4.1	Copenhagen Kastrup	34	42	24	0	December 2027		4.3.1	100	0	0	0	December 2022	
								5.2.1	38	42	20	0	December 2025	
								5.3.1	29	50	18	3	*	Yes
								5.4.1	17	11	65	7	*	
								5.5.1	38	0	62	0	December 2025	
								5.6.1	6	2	92	0	December 2029	
								6.1.2	0	0	100	0	March 2029	
								6.3.1	0	0	0	100	*	

Chart Key

- Completed Gaps
- Foreseen implementation beyond CP1 deadline

* The remaining scope of the Gap is Not yet Planned

List of CEF-funded initiatives awarded to Stakeholders

Reference Number	CEF Project Title	Implementing Partners	Closed
#020AF3	Borealis Free Route Airspace (Part 1)	NAVIAIR	✓
#103AF2	Standardization of A-SMGCS	CPH	✓
#103AF2	Standardization of A-SMGCS	NAVIAIR	✓
#127AF5	National WAN Infrastructure - CANDI-IP preparation project	NAVIAIR	✓
2015_025_AF5_A	Sub-regional SWIM MET deployment to support NEFRA (part A)	DMI	✓
2015_043_AF2	AF2.4 A-SMGCS - Routing & Planning	CPH	
2015_043_AF2	AF2.4 A-SMGCS - Routing & Planning	NAVIAIR	
2015_044_AF2	Implementation of initial DMAN and AOP at Copenhagen Airport	CPH	✓
2015_044_AF2	Implementation of initial DMAN and AOP at Copenhagen Airport	NAVIAIR	✓
2015_045_AF5	AF5 ISWIM	CPH	
2015_046_AF2	AF 2.5 A-SMGCS - Safety Nets	CPH	
2015_046_AF2	AF 2.5 A-SMGCS - Safety Nets	NAVIAIR	
2015_099_AF5	DK-SE FAB Aeronautical Data Quality (ADQ)	NAVIAIR	✓
2015_131_AF5	CANDI-IP (execution phase)	NAVIAIR	✓
2015_132_AF3	VoIP Programme	NAVIAIR	✓
2015_174_AF5_A	NewPENS Stakeholders contribution for the procurement and deployment of NewPENS - Part A: General Call	NAVIAIR	✓
2015_207_AF3_A	Harmonisation of Technical ATM Platform in 5 ANSP including support of free Route Airspace and preparation of PCP program. (COOPANS B3.3, B3.4 and B3.5)	NAVIAIR	✓
2015_227_AF3_A	Borealis FRA Implementation (Part 2)	NAVIAIR	
2016_012_AF1	Synchronised PBN Implementation	CPH	
2016_012_AF1	Synchronised PBN Implementation	NAVIAIR	
2016_027_AF5	European Deployment Roadmap for Flight Object Interoperability	NAVIAIR	✓
2016_141_AF5	Deploy SWIM governance	CPH	✓
2016_150_AF2_GND	Enablers for Airport Surface Movement related to Safety Nets	CPH	
2016_150_AF2_GND	Enablers for Airport Surface Movement related to Safety Nets	NAVIAIR	
2017_022_AF2	Synchronised stakeholder decision on process optimisation at airport level	CPH	
2017_026_AF5	PKI and Cybersecurity	CPH	
2017_060_AF5	ADQ Components in the SWIM Infrastructure - upstream data inclusion in the full data chain solution - ANSP and Airport	NAVIAIR	
2017_066_AF5	Implementing harmonised SWIM (Y) solution in COOPANS ANSPs and general PCP compliance	NAVIAIR	
2017_084_AF5	SWIM Common PKI and policies & procedures for establishing a Trust framework	CPH	✓
2017_084_AF5	SWIM Common PKI and policies & procedures for establishing a Trust framework	NAVIAIR	✓
2022_014_AF5	Acceleration of Aeronautical Digital Information Availability (ACADIA)	NAVIAIR	
2022_020_AF5	ASM SWIM	NAVIAIR	



Denmark

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Number of SWIM Services **16**

Current status of implementation

- Completed
- Ongoing
- Planned
- Not yet Planned



Family	Service	Completed (%)	Ongoing (%)	Planned (%)	Not Yet Planned (%)	Completion date	CEF Projects
5.3.1	Information Exchange - Airspace Reservation (ARES)	0	0	100	0	December 2029	Yes
5.3.1	Information Exchange - Aerodrome mapping service	10	90	0	0	December 2025	Yes
5.3.1	Information Exchange - Aeronautical Information Features service	10	80	10	0	December 2025	Yes
5.3.1	Information Exchange - Airspace Availability Service	75	25	0	0	December 2025	Yes
5.3.1	Information Exchange - Airspace structure service	68	32	0	0	December 2025	Yes
5.3.1	Information Exchange – Digital NOTAM service	8	72	0	20	*	Yes
5.4.1	Information Exchange - Aerodrome Meteorological information Service	24	35	41	0	December 2025	Yes
5.4.1	Information Exchange - En-Route and Approach Meteorological information service	42	11	47	0	December 2027	Yes
5.4.1	Information Exchange - Network Meteorological Information	0	0	100	0	December 2025	No
5.4.1	Information Exchange - Volcanic Ash Mass Concentration information service	0	0	74	26	*	No
5.5.1	Network Information Exchange - ATFCM Tactical Updates Service (Airport Capacity and Enroute)						
5.5.1	Network Information Exchange – Counts service (ATFCM Congestion Points)						
5.5.1	Network Information Exchange – Flight Management Service (Slots and NOP/AOP integration)	75	0	25	0	December 2025	Yes
5.5.1	Network Information Exchange – Measures Service (Traffic Regulation)	0	0	100	0	December 2025	No
5.5.1	Network Information Exchange - Short Term ATFCM Measures services (MCDM, eHelpdesk, STAM measures)						
5.6.1	Information Exchange (Yellow Profile) - Data Publication Service	0	0	100	0	December 2029	No
5.6.1	Information Exchange (Yellow Profile) - Extended AMAN SWIM Service	25	8	67	0	December 2025	Yes
5.6.1	Information Exchange (Yellow Profile) - Flight Data Request Service	0	0	100	0	December 2029	No
5.6.1	Information Exchange (Yellow Profile) - Notification Service	0	0	100	0	December 2029	No

Chart Key

- Completed SWIM Service
- Foreseen implementation beyond CP1 deadline

* The remaining scope of the Gap is Not yet Planned

Estonia



Estonia

Powered by EUROCONTROL

Number of gaps **13**

Current status of implementation

- Completed
- Ongoing
- Planned
- Not yet Planned



Airport Gaps							Country Gaps							
Family	Airport	Completed (%)	Ongoing (%)	Planned (%)	Not Yet Planned (%)	Implementation date	CEF Projects	Family	Completed (%)	Ongoing (%)	Planned (%)	Not Yet Planned (%)	Implementation date	CEF Projects
								3.1.1	100	0	0	0	December 2021	
								3.1.2	100	0	0	0	January 2022	
								3.2.1	100	0	0	0	November 2015	
								3.2.2	100	0	0	0	April 2020	
								4.1.1	100	0	0	0	June 2023	
								4.2.1	100	0	0	0	June 2023	
								4.3.1	100	0	0	0	December 2023	
								5.2.1	13	75	12	0	December 2025	
								5.3.1	55	22	18	5	*	Yes
								5.4.1	14	21	51	14	*	
								5.5.1						
								5.6.1	0	0	100	0	December 2030	
								6.1.2	0	0	0	100	*	
								6.3.1	0	0	0	100	*	

Chart Key

Completed Gaps

Foreseen implementation beyond CP1 deadline

* The remaining scope of the Gap is Not yet Planned

List of CEF-funded initiatives awarded to Stakeholders

Reference Number	CEF Project Title	Implementing Partners	Closed
#020AF3	Borealis Free Route Airspace (Part 1)	EANS	✔
#056AF3	ASM tool Implementation	EANS	✔
2015_025_AF5_B	Sub-regional SWIM MET deployment to support NEFRA (part B)	ESTEAS	✔
2015_227_AF3_B	Borealis FRA Implementation (Part 2)	EANS	✔
2016_159_AF6	DLS Implementation Project - Path 2	EANS	✔
2016_161_AF6	DLS Implementation Project - Path 1 Ground stakeholders	EANS	✔
2022_014_AF5	Acceleration of Aeronautical Digital Information Availability (ACADIA)	EANS	



Estonia

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Number of SWIM Services **12**

Current status of implementation

- Completed
- Ongoing
- Planned
- Not yet Planned



Family	Service	Completed (%)	Ongoing (%)	Planned (%)	Not Yet Planned (%)	Completion date	CEF Projects
5.3.1	Information Exchange - Airspace Reservation (ARES)	3	22	50	25	*	No
5.3.1	Information Exchange - Aerodrome mapping service						
5.3.1	Information Exchange - Aeronautical Information Features service	8	72	20	0	December 2025	Yes
5.3.1	Information Exchange - Airspace Availability Service	100	0	0	0	December 2022	No
5.3.1	Information Exchange - Airspace structure service	100	0	0	0	June 2020	No
5.3.1	Information Exchange – Digital NOTAM service	64	16	20	0	December 2025	Yes
5.4.1	Information Exchange - Aerodrome Meteorological information Service	47	12	11	30	*	No
5.4.1	Information Exchange - En-Route and Approach Meteorological information service	5	48	20	27	*	No
5.4.1	Information Exchange - Network Meteorological Information	0	0	100	0	December 2025	Yes
5.4.1	Information Exchange - Volcanic Ash Mass Concentration information service	3	24	73	0	December 2025	No
5.5.1	Network Information Exchange - ATFCM Tactical Updates Service (Airport Capacity and Enroute)						
5.5.1	Network Information Exchange – Counts service (ATFCM Congestion Points)						
5.5.1	Network Information Exchange – Flight Management Service (Slots and NOP/AOP integration)						
5.5.1	Network Information Exchange – Measures Service (Traffic Regulation)						
5.5.1	Network Information Exchange - Short Term ATFCM Measures services (MCDM, eHelpdesk, STAM measures)						
5.6.1	Information Exchange (Yellow Profile) - Data Publication Service	0	0	100	0	December 2030	No
5.6.1	Information Exchange (Yellow Profile) - Extended AMAN SWIM Service						
5.6.1	Information Exchange (Yellow Profile) - Flight Data Request Service	0	0	100	0	December 2030	No
5.6.1	Information Exchange (Yellow Profile) - Notification Service	0	0	100	0	December 2030	No

Chart Key



* The remaining scope of the Gap is Not yet Planned

Finland



Finland

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Number of gaps **16**

Current status of implementation

- Completed
- Ongoing
- Planned
- Not yet Planned



Airport Gaps							Country Gaps							
Family	Airport	Completed (%)	Ongoing (%)	Planned (%)	Not Yet Planned (%)	Implementation date	CEF Projects	Family	Completed (%)	Ongoing (%)	Planned (%)	Not Yet Planned (%)	Implementation date	CEF Projects
2.2.2	Helsinki Vantaa	0	0	100	0	December 2027		3.1.1	100	0	0	0	December 2021	
4.4.1	Helsinki Vantaa	10	86	4	0	December 2027		3.1.2	100	0	0	0	December 2021	
								3.2.1	100	0	0	0	November 2015	
								3.2.2	85	15	0	0	December 2025	
								4.1.1	100	0	0	0	January 2021	
								4.2.1	100	0	0	0	February 2023	
								4.3.1	100	0	0	0	December 2023	
								5.2.1	11	9	80	0	December 2025	
								5.3.1	41	4	55	0	December 2029	
								5.4.1	27	15	58	0	December 2029	
								5.5.1	0	0	100	0	December 2025	
								5.6.1	0	0	100	0	December 2029	
								6.1.2	0	0	100	0	March 2029	
								6.3.1	0	0	100	0	December 2027	

Chart Key

- Completed Gaps
- Foreseen implementation beyond CP1 deadline

List of CEF-funded initiatives awarded to Stakeholders

Reference Number	CEF Project Title	Implementing Partners	Closed
#020AF3	Borealis Free Route Airspace (Part 1)	Finavia	✔
2015_025_AF5_A	Sub-regional SWIM MET deployment to support NEFRA (part A)	FMI	✔
2015_068_AF5	European Harmonised Forecasts of Adverse Weather (Icing, Turbulence, Convection and Winter weather)	FMI	✔
2015_174_AF5_A	NewPENS Stakeholders contribution for the procurement and deployment of NewPENS - Part A: General Call	Finavia	✔
2015_174_AF5_A	NewPENS Stakeholders contribution for the procurement and deployment of NewPENS - Part A: General Call	Fintraffic ANS	✔
2015_227_AF3_A	Borealis FRA Implementation (Part 2)	Finavia	
2015_227_AF3_A	Borealis FRA Implementation (Part 2)	Fintraffic ANS	
2016_027_AF5	European Deployment Roadmap for Flight Object Interoperability	Fintraffic ANS	✔
2016_141_AF5	Deploy SWIM governance	Fintraffic ANS	✔
2016_159_AF6	DLS Implementation Project - Path 2	Fintraffic ANS	✔
2017_084_AF5	SWIM Common PKI and policies & procedures for establishing a Trust framework	Fintraffic ANS	✔



Finland

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Number of SWIM Services **14**

Current status of implementation

- Completed
- Ongoing
- Planned
- Not yet Planned



Family	Service	Completed (%)	Ongoing (%)	Planned (%)	Not Yet Planned (%)	Completion date	CEF Projects
5.3.1	Information Exchange - Airspace Reservation (ARES)	5	20	75	0	December 2029	No
5.3.1	Information Exchange - Aerodrome mapping service						
5.3.1	Information Exchange - Aeronautical Information Features service	0	0	100	0	December 2025	No
5.3.1	Information Exchange - Airspace Availability Service	100	0	0	0	September 2022	No
5.3.1	Information Exchange - Airspace structure service	100	0	0	0	September 2022	No
5.3.1	Information Exchange - Digital NOTAM service	0	0	100	0	December 2025	No
5.4.1	Information Exchange - Aerodrome Meteorological information Service	77	12	11	0	December 2025	Yes
5.4.1	Information Exchange - En-Route and Approach Meteorological information service	32	48	20	0	December 2029	No
5.4.1	Information Exchange - Network Meteorological Information	0	0	100	0	December 2029	No
5.4.1	Information Exchange - Volcanic Ash Mass Concentration information service	0	0	100	0	December 2025	No
5.5.1	Network Information Exchange - ATFCM Tactical Updates Service (Airport Capacity and Enroute)						
5.5.1	Network Information Exchange - Counts service (ATFCM Congestion Points)						
5.5.1	Network Information Exchange - Flight Management Service (Slots and NOP/AOP integration)	0	0	100	0	December 2025	No
5.5.1	Network Information Exchange - Measures Service (Traffic Regulation)						
5.5.1	Network Information Exchange - Short Term ATFCM Measures services (MCDM, eHelpdesk, STAM measures)						
5.6.1	Information Exchange (Yellow Profile) - Data Publication Service	0	0	100	0	March 2029	No
5.6.1	Information Exchange (Yellow Profile) - Extended AMAN SWIM Service	0	0	100	0	March 2029	No
5.6.1	Information Exchange (Yellow Profile) - Flight Data Request Service	0	0	100	0	December 2029	No
5.6.1	Information Exchange (Yellow Profile) - Notification Service	0	0	100	0	March 2029	No

Chart Key



France



France

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Number of gaps **37**

Current status of implementation

- Completed
- Ongoing
- Planned
- Not yet Planned



Airport Gaps								Country Gaps						
Family	Airport	Completed (%)	Ongoing (%)	Planned (%)	Not Yet Planned (%)	Implementation date	CEF Projects	Family	Completed (%)	Ongoing (%)	Planned (%)	Not Yet Planned (%)	Implementation date	CEF Projects
1.1.1	Nice Côte D'Azur	16	57	0	27	*	Yes	3.1.1	100	0	0	0	December 2022	
1.1.1	Paris Charles de Gaulle	43	17	30	10	*	Yes	3.1.2	100	0	0	0	December 2022	
1.1.1	Paris Orly	69	11	20	0	April 2024	Yes	3.2.1	100	0	0	0	December 2021	
1.2.1	Nice Côte D'Azur	0	0	0	100	*		3.2.2	66	25	9	0	November 2026	
1.2.1	Paris Charles de Gaulle	0	0	0	100	*		4.1.1	100	0	0	0	December 2022	
2.1.1	Nice Côte D'Azur	100	0	0	0	November 2019	Yes	4.2.1	100	0	0	0	April 2023	
2.1.1	Paris Charles de Gaulle	100	0	0	0	November 2017	Yes	4.3.1	100	0	0	0	December 2022	
2.1.1	Paris Orly	100	0	0	0	November 2017	Yes	5.2.1	8	25	0	67	*	
2.2.1	Nice Côte D'Azur	100	0	0	0	December 2023	Yes	5.3.1	48	36	14	2	*	Yes
2.2.1	Paris Charles de Gaulle	100	0	0	0	December 2023	Yes	5.4.1	13	61	26	0	December 2025	
2.2.1	Paris Orly	100	0	0	0	December 2023	Yes	5.5.1	79	0	21	0	December 2025	
2.2.2	Lyon Saint-Exupéry	0	0	0	100	*		5.6.1	12	4	9	75	*	
2.2.2	Nice Côte D'Azur	5	40	55	0	December 2027		6.1.2						
2.2.2	Paris Charles de Gaulle	9	76	15	0	December 2027		6.3.1						
2.2.2	Paris Orly	9	76	15	0	December 2027								
2.3.1	Nice Côte D'Azur	52	13	0	35	*	Yes							
2.3.1	Paris Charles de Gaulle	41	24	5	30	*	Yes							
2.3.1	Paris Orly	47	48	5	0	July 2024	Yes							
4.2.2	Nice Côte D'Azur	91	6	3	0	March 2024	Yes							
4.2.2	Paris Charles de Gaulle	85	13	2	0	March 2024	Yes							
4.2.2	Paris Orly	85	13	2	0	March 2024	Yes							
4.4.1	Lyon Saint-Exupéry	0	0	0	100	*								
4.4.1	Nice Côte D'Azur	4	31	65	0	December 2027								
4.4.1	Paris Charles de Gaulle	4	31	65	0	December 2027								
4.4.1	Paris Orly	4	31	65	0	December 2027								

* The remaining scope of the Gap is Not yet Planned

Chart Key

- Completed Gaps
- Foreseen implementation beyond CP1 deadline

List of CEF-funded initiatives awarded to Stakeholders

Reference Number	CEF Project Title	Implementing Partners	Closed
#023AF2	SMAN-Vehicle	ADP	✓
#024AF2	SAIGA	ADP	✓
#025AF2	TSAT to the Gate	ADP	✓
#026AF2	Evolutions CDM - CDG	ADP	✓
#027AF2	SMAN-Airport	ADP	✓
#030AF2	Equipment of ground vehicles to supply the A-SMGCS	Côte d'Azur	✓
#031AF2	Data exchanges with the Air Navigation Service Provider	Côte d'Azur	✓
#032AF2	Data exchanges with the Network Manager Operations Center	Côte d'Azur	✓
#033AF2	Data exchanges with COHOR	Côte d'Azur	✓
#048AF2	YSAT@CDG	DSNA	✓
#050AF2	YSAT@ORY	DSNA	✓
#051AF1a	RNP Approaches at CDG Airport with vertical guidance (Part A)	Air France	✓
#051AF1a	RNP Approaches at CDG Airport with vertical guidance (Part A)	DSNA	✓
#051AF1b	RNP Approaches at CDG Airport with vertical guidance (Part B)	Air France	✓
#053AF3	4-Flight deployment in DSNA pilot ACCs	DSNA	✓
#054AF2	CDG 2020 Step1	Air France	✓
#054AF2	CDG 2020 Step1	DSNA	✓
#067AF5	Coflight-eFDP System Development	DSNA	✓
#129AF2	CDM-ORLY	ADP	✓
#130AF2	BOREAL-Orly	ADP	✓
2015_021_AF4	Slot Manager for PCP airports	Sabre France	✓
2015_062_AF3_Phase_I	4-Flight Deployment in PARIS Area - Phase I	DSNA	✓
2015_067_AF5	European Weather Radar Composite of Convection Information Service	Météo FR	✓
2015_068_AF5	European Harmonised Forecasts of Adverse Weather (Icing, Turbulence, Convection and Winter weather)	Météo FR	✓
2015_069_AF5	European MET Information Exchange (MET-GATE)	Météo FR	✓
2015_073_AF1	AMAN upgrade for extended horizon at DSNA airports	ADP	✓
2015_073_AF1	AMAN upgrade for extended horizon at DSNA airports	Air France	✓
2015_073_AF1	AMAN upgrade for extended horizon at DSNA airports	DSNA	✓
2015_083_AF2	IAOP implementation	Côte d'Azur	✓
2015_085_AF2	DMAN and Pre-departure sequence (PDS) implementations for the CDM implementation	Côte d'Azur	✓
2015_085_AF2	DMAN and Pre-departure sequence (PDS) implementations for the CDM implementation	DSNA	✓
2015_106_AF4	Flight evolution and upgrade of interfaces with NM stakeholders	Sabre France	✓
2015_107_AF3	NM Systems upgrades in support of DCTs and FRA	Sabre France	✓
2015_110_AF4	STAM Phase 2 (NM)	Sabre France	✓

List of CEF-funded initiatives awarded to Stakeholders

Reference Number	CEF Project Title	Implementing Partners	Closed
2015_113_AF4	AOP-NOP Integrations	ADP	
2015_114_AF4	Implementation of Target Times for ATFCM purposes (NM)	Sabre France	✓
2015_133_AF2	Initial AirPort Operational Centre (iAPOC)	ADP	✓
2015_133_AF2	Initial AirPort Operational Centre (iAPOC)	Air France	✓
2015_133_AF2	Initial AirPort Operational Centre (iAPOC)	DSNA	✓
2015_135_AF2	CDG and ORLY - Initial Airport Operational Plan (AOP)	ADP	
2015_135_AF2	CDG and ORLY - Initial Airport Operational Plan (AOP)	Air France	
2015_139_AF1	GEOGRAPHIC DATABASE - AIM TOOL	ADP	
2015_139_AF1	GEOGRAPHIC DATABASE - AIM TOOL	DSNA	
2015_174_AF5_A	NewPENS Stakeholders contribution for the procurement and deployment of NewPENS - Part A: General Call	DSNA	✓
2015_196_AF1_A	XMAN - Cross-centre arrival management	DSNA	✓
2015_247_AF3	4Flight deployment in military En-route ACC (CMCC)	DGA	
2015_249_AF5	PATRUS (Secured real time gateway) for data exchange between civil and military systems	DGA	✓
2016_023_AF1	XMAN - Cross-centre arrival management - Part 2 (CEF2016)	DSNA	
2016_027_AF5	European Deployment Roadmap for Flight Object Interoperability	DSNA	✓
2016_055_AF3	FR_Upgrade of French Military Control and Reporting Centres (CRC) for civil/military interoperability	DGA	✓
2016_100_AF4	Provision of EFPL data and initial FF-ICE/ 1 readiness	Air France	
2016_121_AF3	Free Route	Air France	
2016_123_AF4	STAM Phase 2 in combination with Target Times	Air France	
2016_134_AF3	Implementation of rolling ASM/ATFCM	Air France	✓
2016_134_AF3	Implementation of rolling ASM/ATFCM	Sabre France	✓
2016_141_AF5	Deploy SWIM governance	Air France	✓
2016_141_AF5	Deploy SWIM governance	DGA	✓
2016_141_AF5	Deploy SWIM governance	DSNA	✓
2016_150_AF2_AIR	Enablers for Airport Surface Movement related to Safety Nets	ADP	✓
2016_150_AF2_AIR	Enablers for Airport Surface Movement related to Safety Nets	Air France	✓
2016_150_AF2_GND	Enablers for Airport Surface Movement related to Safety Nets	ADP	
2016_150_AF2_GND	Enablers for Airport Surface Movement related to Safety Nets	Air France	
2016_150_AF2_GND	Enablers for Airport Surface Movement related to Safety Nets	Côte d'Azur	
2016_150_AF2_GND	Enablers for Airport Surface Movement related to Safety Nets	DSNA	
2016_159_AF6	DLS Implementation Project - Path 2	DSNA	✓
2016_159_AF6	DLS Implementation Project - Path 2	ESSP	✓
2016_159_AF6	DLS Implementation Project - Path 2	SITA IT Services France	✓
2016_159_AF6	DLS Implementation Project - Path 2	Sita SC - France	✓
2016_161_AF6	DLS Implementation Project - Path 1 Ground stakeholders	DSNA	✓
2016_161_AF6	DLS Implementation Project - Path 1 Ground stakeholders	SITA IT Services France	✓
2016_161_AF6	DLS Implementation Project - Path 1 Ground stakeholders	Sita SC - France	✓
2016_165_AF6_AIR	Lufthansa Group & Air France Group Datalink upgrade to "best in class" avionics	Air France	✓
2016_165_AF6_AIR	Lufthansa Group & Air France Group Datalink upgrade to "best in class" avionics	HOP	✓
2016_165_AF6_GND	Lufthansa Group & Air France Group Datalink upgrade to "best in class" avionics	Air France	✓
2016_165_AF6_GND	Lufthansa Group & Air France Group Datalink upgrade to "best in class" avionics	HOP	✓
2017_002_AF5	Aeronautical Information Exchange system for Airlines Flight Operation Centre (FOC) at Lufthansa & Air France	Air France	
2017_008_AF6_AIR	Air France Group Datalink upgrade to best in class avionics - Lot2	Air France	✓
2017_008_AF6_AIR	Air France Group Datalink upgrade to best in class avionics - Lot2	Transavia France	✓
2017_008_AF6_GND	Air France Group Datalink upgrade to best in class avionics - Lot2	Air France	✓
2017_008_AF6_GND	Air France Group Datalink upgrade to best in class avionics - Lot2	Transavia France	✓
2017_022_AF2	Synchronised stakeholder decision on process optimisation at airport level	ADP	
2017_022_AF2	Synchronised stakeholder decision on process optimisation at airport level	Côte d'Azur	
2017_034_AF5	Deploying Cyber Infrastructure at DSNA	DSNA	
2017_035_AF5	Deploying SWIM infrastructure at DSNA	DSNA	
2017_037_AF2	TBS deployment at Paris CDG	DSNA	
2017_037_AF2	TBS deployment at Paris CDG	Météo FR	
2017_038_AF4	Enablers of Network Collaborative Management for En-Route and Airports at DSNA	ADP	
2017_038_AF4	Enablers of Network Collaborative Management for En-Route and Airports at DSNA	Air France	
2017_038_AF4	Enablers of Network Collaborative Management for En-Route and Airports at DSNA	DSNA	
2017_039_AF5	SEPIA - Deploying SWIM based AIM services in French Airspace	DSNA	
2017_043_AF3	Coflight-eFDP Development (Step 2)	DSNA	✓
2017_052_AF4	AOP-NOP Integration - Extended Implementation	Côte d'Azur	
2017_053_AF3	Implementation of rolling ASM/ATFCM	Sabre France	✓
2017_056_AF5	Towards Shared Business Trajectory / Trajectory Based Operations	Sabre France	
2017_080_AF5	PATRUS niveau 2 - Gateway Upgrade for 4Flight compliance	DGA	✓
2017_084_AF5	SWIM Common PKI and policies & procedures for establishing a Trust framework	ADP	✓
2017_084_AF5	SWIM Common PKI and policies & procedures for establishing a Trust framework	Air France	✓
2017_084_AF5	SWIM Common PKI and policies & procedures for establishing a Trust framework	DGA	✓
2017_084_AF5	SWIM Common PKI and policies & procedures for establishing a Trust framework	DSNA	✓
2017_089_AF6	IP1 - DLS European Target Solution assessment	ALTYs	✓
2017_089_AF6	IP1 - DLS European Target Solution assessment	DSNA	✓
2017_089_AF6	IP1 - DLS European Target Solution assessment	ESSP	✓
2017_089_AF6	IP1 - DLS European Target Solution assessment	SITA IT Services France	✓
2017_089_AF6	IP1 - DLS European Target Solution assessment	Thales	✓
2022_014_AF5	Acceleration of Aeronautical Digital Information Availability (ACADIA)	ADP	
2022_014_AF5	Acceleration of Aeronautical Digital Information Availability (ACADIA)	DSNA	
2022_020_AF5	ASM SWIM	DSNA	
2022_035_AF5	FF-ICE R1 - eFPL	Air France	
2022_035_AF5	FF-ICE R1 - eFPL	DSNA	



France

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Number of SWIM Services **19**

Current status of implementation

- Completed
- Ongoing
- Planned
- Not yet Planned



Family	Service	Completed (%)	Ongoing (%)	Planned (%)	Not Yet Planned (%)	Completion date	CEF Projects
5.3.1	Information Exchange - Airspace Reservation (ARES)	3	22	75	0	December 2025	Yes
5.3.1	Information Exchange - Aerodrome mapping service	10	90	0	0	December 2025	Yes
5.3.1	Information Exchange - Aeronautical Information Features service	10	80	10	0	December 2025	Yes
5.3.1	Information Exchange - Airspace Availability Service	100	0	0	0	December 2021	No
5.3.1	Information Exchange - Airspace structure service	100	0	0	0	December 2021	No
5.3.1	Information Exchange – Digital NOTAM service	66	24	0	10	*	Yes
5.4.1	Information Exchange - Aerodrome Meteorological information Service	16	73	11	0	December 2025	Yes
5.4.1	Information Exchange - En-Route and Approach Meteorological information service	18	75	7	0	December 2025	Yes
5.4.1	Information Exchange - Network Meteorological Information	15	72	13	0	December 2025	Yes
5.4.1	Information Exchange - Volcanic Ash Mass Concentration information service	3	24	73	0	December 2025	Yes
5.5.1	Network Information Exchange - ATFCM Tactical Updates Service (Airport Capacity and Enroute)	50	0	50	0	December 2025	No
5.5.1	Network Information Exchange – Counts service (ATFCM Congestion Points)	50	0	50	0	December 2024	Yes
5.5.1	Network Information Exchange – Flight Management Service (Slots and NOP/AOP integration)	88	0	12	0	March 2024	Yes
5.5.1	Network Information Exchange – Measures Service (Traffic Regulation)	100	0	0	0	December 2023	Yes
5.5.1	Network Information Exchange - Short Term ATFCM Measures services (MCDM, eHelpdesk, STAM measures)	100	0	0	0	December 2022	Yes
5.6.1	Information Exchange (Yellow Profile) - Data Publication Service	0	0	0	100	*	Yes
5.6.1	Information Exchange (Yellow Profile) - Extended AMAN SWIM Service	50	16	34	0	December 2025	Yes
5.6.1	Information Exchange (Yellow Profile) - Flight Data Request Service	0	0	0	100	*	Yes
5.6.1	Information Exchange (Yellow Profile) - Notification Service	0	0	0	100	*	No

Chart Key



* The remaining scope of the Gap is Not yet Planned

Germany



Germany

Powered by EUROCONTROL

Number of gaps **48**

Current status of implementation

- Completed
- Ongoing
- Planned
- Not yet Planned



Airport Gaps							Country Gaps							
Family	Airport	Completed (%)	Ongoing (%)	Planned (%)	Not Yet Planned (%)	Implementation date	CEF Projects	Family	Completed (%)	Ongoing (%)	Planned (%)	Not Yet Planned (%)	Implementation date	CEF Projects
1.1.1	Berlin Brandenburg	22	7	9	62	*	Yes	3.1.1	100	0	0	0	December 2022	
1.1.1	Düsseldorf Airport	15	4	0	81	*	Yes	3.1.2	100	0	0	0	December 2021	
1.1.1	Frankfurt am Main	50	0	0	50	*	Yes	3.2.1	100	0	0	0	December 2021	
1.1.1	Munich Franz Josef Strauss	86	0	0	14	*	Yes	3.2.2	100	0	0	0	April 2019	
1.2.1	Berlin Brandenburg	0	0	0	100	*		4.1.1	100	0	0	0	December 2023	
1.2.1	Düsseldorf Airport	0	0	0	100	*		4.2.1	100	0	0	0	December 2023	
2.1.1	Berlin Brandenburg	100	0	0	0	December 2022		4.3.1	95	0	5	0	March 2024	
2.1.1	Düsseldorf Airport	100	0	0	0	December 2022		5.2.1	54	17	27	2	*	
2.1.1	Munich Franz Josef Strauss	100	0	0	0	September 2016		5.3.1	38	0	12	50	*	
2.1.1	Frankfurt am Main	100	0	0	0	December 2022	Yes	5.4.1	49	17	24	10	*	
2.2.1	Berlin Brandenburg	100	0	0	0	December 2023		5.5.1	27	30	18	25	*	
2.2.1	Düsseldorf Airport	100	0	0	0	December 2023	Yes	5.6.1	13	20	50	17	*	
2.2.1	Frankfurt am Main	100	0	0	0	December 2023	Yes	6.1.2	3	22	0	75	*	
2.2.1	Munich Franz Josef Strauss	100	0	0	0	December 2023	Yes	6.3.1	3	22	0	75	*	
2.2.2	Berlin Brandenburg	0	0	100	0	December 2027								
2.2.2	Düsseldorf Airport	3	5	92	0	December 2027								
2.2.2	Frankfurt am Main	3	22	75	0	December 2027								
2.2.2	Munich Franz Josef Strauss	5	20	75	0	December 2027								
2.2.2	Hamburg Airport	1	7	92	0	December 2027	Yes							
2.2.2	Stuttgart Airport	1	7	50	42	*	Yes							
2.3.1	Berlin Brandenburg	19	31	50	0	December 2030	Yes							
2.3.1	Düsseldorf Airport	11	32	57	0	December 2030	Yes							
2.3.1	Frankfurt am Main	33	46	21	0	December 2030	Yes							
2.3.1	Munich Franz Josef Strauss	15	65	20	0	December 2030	Yes							
4.2.2	Berlin Brandenburg	86	11	3	0	December 2024								
4.2.2	Munich Franz Josef Strauss	86	11	3	0	December 2024								
4.2.2	Düsseldorf Airport	83	11	6	0	December 2024	Yes							
4.2.2	Frankfurt am Main	78	11	11	0	June 2024	Yes							
4.4.1	Berlin Brandenburg	3	25	72	0	December 2027								
4.4.1	Düsseldorf Airport	6	50	44	0	December 2027								
4.4.1	Frankfurt am Main	3	25	72	0	December 2027								
4.4.1	Munich Franz Josef Strauss	28	0	72	0	December 2027								
4.4.1	Hamburg Airport	21	7	72	0	December 2027	Yes							
4.4.1	Stuttgart Airport	11	17	72	0	December 2027	Yes							

* The remaining scope of the Gap is Not yet Planned

Chart Key

- Completed Gaps
- Foreseen implementation beyond CP1 deadline

List of CEF-funded initiatives awarded to Stakeholders

Reference Number	CEF Project Title	Implementing Partners	Closed
#040AF5	ADQ – Aeronautical Data Quality	DFS	✓
#041AF5	EASI - EAD AIM System Integration	DFS	✓
#042AF2a	A-SMGCS Düsseldorf	DFS	✓
#042AF2a	A-SMGCS Düsseldorf	FDG	✓
#084AF5	Implementation of Prerequisites for the Provision of Aerodrome Mapping Data and Airport Maps as Data Originator (Aeronautical Information Exchange)	Fraport	✓
#086AF2	A-CDM Extension	Fraport	✓
#087AF2	Apron Controller Working Position	Fraport	✓
#088AF2	Airport Safety Net: Mobile Detection of Air Crash Tenders	Fraport	✓
#115AF2	A-SMGCS Renewal of the Surface Movement Radar (BORA)	FMG	✓
2015_021_AF4	Slot Manager for PCP airports	Lufthansa	✓
2015_021_AF4	Slot Manager for PCP airports	Sabre Airline Solutions	✓
2015_031_AF2	Vehicle Transponder A-SMGCS Düsseldorf	FDG	✓
2015_067_AF5	European Weather Radar Composite of Convection Information Service	DWD	✓
2015_068_AF5	European Harmonised Forecasts of Adverse Weather (Icing, Turbulence, Convection and Winter weather)	DWD	✓
2015_069_AF5	European MET Information Exchange (MET-GATE)	DFS	✓
2015_069_AF5	European MET Information Exchange (MET-GATE)	DWD	✓
2015_106_AF4	Flight evolution and upgrade of interfaces with NM stakeholders	Sabre Airline Solutions	✓
2015_107_AF3	NM Systems upgrades in support of DCTs and FRA	Sabre Airline Solutions	✓
2015_110_AF4	STAM Phase 2 (NM)	Sabre Airline Solutions	✓
2015_113_AF4	AOP-NOP Integrations	Fraport	✓
2015_114_AF4	Implementation of Target Times for ATFCM purposes (NM)	Sabre Airline Solutions	✓
2015_188_AF1	Deploy AMAN - Arrival Management at Düsseldorf Airport and Berlin International	DFS	✓
2015_189_AF3	Deploy Free Route Airspace (Full FRA) in German Airspace	DFS	✓
2015_190_AF3	Deployment of Air Traffic Control System iCAS: Implementation of ATM PCP Functionalities at LVNL and DFS	DFS	✓
2015_192_AF5	RAPNET NG	DFS	✓

List of CEF-funded initiatives awarded to Stakeholders

Reference Number	CEF Project Title	Implementing Partners	Closed
2015_193_AF1	Implementation of RNP Based Departure Operations in High Density TMAs in FRA, DUS and MUC	DFS	✓
2015_193_AF1	Implementation of RNP Based Departure Operations in High Density TMAs in FRA, DUS and MUC	Fraport	✓
2015_193_AF1	Implementation of RNP Based Departure Operations in High Density TMAs in FRA, DUS and MUC	Lufthansa	✓
2015_194_AF5	STANLY_ACOS iSWIM for Free-Route and NM	DFS	✓
2015_195_AF3	Deployment of next Generation and VoIP Capable Centre Voice Communication System	DFS	✓
2015_196_AF1_A	XMAN - Cross-centre arrival management	DFS	✓
2015_197_AF5	Centralized DFS Yellow Profile SWIM Node	DFS	✓
2015_222_AF2	Advanced Airport Moving Map (AAMM) Prototype Implementation	Fraport	✓
2015_222_AF2	Advanced Airport Moving Map (AAMM) Prototype Implementation	Lufthansa	✓
2015_225_AF2	Initial Airport Operations Plan @ FRA	Fraport	✓
2015_226_AF2	Airport Safety Net: Mobile Detection of Marshaller Vehicles	Fraport	✓
2015_282_AF2	Initial APOC and AOP	FMG	✓
2016_008_AF4	Flight evolution and upgrade of interfaces with NM stakeholders	Lufthansa	✓
2016_010_AF4	STAM Phase 2	Lufthansa	✓
2016_021_AF2	TANGe (Tower ATS-System Next Generation) Phase 1	DFS	✓
2016_023_AF1	XMAN - Cross-centre arrival management - Part 2 (CEF2016)	DFS	✓
2016_024_AF4	Deployment of an Automated Support Tool for Traffic Complexity Assessment at DFS	DFS	✓
2016_026_AF3	System Procurement for Deployment of PCP Air Traffic Control System iCAS at DFS and LVNL	DFS	✓
2016_027_AF5	European Deployment Roadmap for Flight Object Interoperability	DFS	✓
2016_100_AF4	Provision of EFPL data and initial FF-ICE/ 1 readiness	LH Systems	✓
2016_100_AF4	Provision of EFPL data and initial FF-ICE/ 1 readiness	Lufthansa	✓
2016_121_AF3	Free Route	LH Systems	✓
2016_121_AF3	Free Route	Lufthansa	✓
2016_123_AF4	STAM Phase 2 in combination with Target Times	LH Systems	✓
2016_123_AF4	STAM Phase 2 in combination with Target Times	Lufthansa	✓
2016_134_AF3	Implementation of rolling ASM/ATFCM	LH Systems	✓
2016_134_AF3	Implementation of rolling ASM/ATFCM	Lufthansa	✓
2016_134_AF3	Implementation of rolling ASM/ATFCM	Sabre Airline Solutions	✓
2016_137_AF2	Initial AOP DUS	DFS	✓
2016_137_AF2	Initial AOP DUS	FDG	✓
2016_141_AF5	Deploy SWIM governance	DFS	✓
2016_141_AF5	Deploy SWIM governance	FMG	✓
2016_141_AF5	Deploy SWIM governance	Lufthansa	✓
2016_147_AF1	RNP APCH RWY 29 Vienna	Lufthansa	✓
2016_150_AF2_GND	Enablers for Airport Surface Movement related to Safety Nets	FMG	✓
2016_150_AF2_GND	Enablers for Airport Surface Movement related to Safety Nets	Fraport	✓
2016_159_AF6	DLS Implementation Project - Path 2	DFS	✓
2016_159_AF6	DLS Implementation Project - Path 2	SITA Inc BV - Germany	✓
2016_161_AF6	DLS Implementation Project - Path 1 Ground stakeholders	DFS	✓
2016_161_AF6	DLS Implementation Project - Path 1 Ground stakeholders	SITA Inc BV - Germany	✓
2016_165_AF6_AIR	Lufthansa Group & Air France Group Datalink upgrade to "best in class" avionics	LCAG	✓
2016_165_AF6_AIR	Lufthansa Group & Air France Group Datalink upgrade to "best in class" avionics	Lufthansa	✓
2016_165_AF6_GND	Lufthansa Group & Air France Group Datalink upgrade to "best in class" avionics	LCAG	✓
2016_165_AF6_GND	Lufthansa Group & Air France Group Datalink upgrade to "best in class" avionics	Lufthansa	✓
2017_004_AF1	Flight Crew Training for RNP1 Operations	Eurowings	✓
2017_004_AF1	Flight Crew Training for RNP1 Operations	Eurowings Europe	✓
2017_004_AF1	Flight Crew Training for RNP1 Operations	LCAG	✓
2017_004_AF1	Flight Crew Training for RNP1 Operations	LH Cityline	✓
2017_004_AF1	Flight Crew Training for RNP1 Operations	Lufthansa	✓
2017_022_AF2	Synchronised stakeholder decision on process optimisation at airport level	FMG	✓
2017_022_AF2	Synchronised stakeholder decision on process optimisation at airport level	Fraport	✓
2017_029_AF3	Deployment of Centralised Interoperable Center Information Service (Step 1)	DFS	✓
2017_031_AF3	Procurement and Deployment of PCP Air Traffic Control System iCAS at DFS Munich and Bremen and LVNL Amsterdam	DFS	✓
2017_032_AF2	TANGe (Tower ATS-System Next Generation) Phase 1+ incl. Service Architecture	DFS	✓
2017_052_AF4	AOP-NOP Integration - Extended Implementation	FDG	✓
2017_053_AF3	Implementation of rolling ASM/ATFCM	Sabre Airline Solutions	✓
2017_056_AF5	Towards Shared Business Trajectory / Trajectory Based Operations	Sabre Airline Solutions	✓
2017_084_AF5	SWIM Common PKI and policies & procedures for establishing a Trust framework	DFS	✓
2017_084_AF5	SWIM Common PKI and policies & procedures for establishing a Trust framework	Lufthansa	✓
2017_089_AF6	IP1 - DLS European Target Solution assessment	DFS	✓
2022_022_AF2_AF4	BEACON	DFS	✓
2022_022_AF2_AF4	BEACON	Flughafen Hamburg	✓
2022_022_AF2_AF4	BEACON	Flughafen Stuttgart	✓
2022_035_AF5	FF-ICE R1 - eFPL	DFS	✓

Number of SWIM Services 19

Current status of implementation



Family	Service	Completed (%)	Ongoing (%)	Planned (%)	Not Yet Planned (%)	Completion date	CEF Projects
5.3.1	Information Exchange - Airspace Reservation (ARES)	25	0	75	0	December 2025	No
5.3.1	Information Exchange - Aerodrome mapping service	0	0	0	100	*	No
5.3.1	Information Exchange - Aeronautical Information Features service	0	0	0	100	*	No
5.3.1	Information Exchange - Airspace Availability Service	100	0	0	0	December 2021	Yes
5.3.1	Information Exchange - Airspace structure service	100	0	0	0	December 2021	No
5.3.1	Information Exchange – Digital NOTAM service	0	0	0	100	*	No
5.4.1	Information Exchange - Aerodrome Meteorological information Service	37	51	10	2	*	Yes
5.4.1	Information Exchange - En-Route and Approach Meteorological information service	82	11	7	0	December 2025	Yes
5.4.1	Information Exchange - Network Meteorological Information	75	5	0	20	*	Yes
5.4.1	Information Exchange - Volcanic Ash Mass Concentration information service	0	0	80	20	*	No
5.5.1	Network Information Exchange - ATFCM Tactical Updates Service (Airport Capacity and Enroute)	5	45	50	0	December 2025	No
5.5.1	Network Information Exchange – Counts service (ATFCM Congestion Points)	10	40	0	50	*	No
5.5.1	Network Information Exchange – Flight Management Service (Slots and NOP/AOP integration)	14	21	40	25	*	Yes
5.5.1	Network Information Exchange – Measures Service (Traffic Regulation)	100	0	0	0	February 2021	No
5.5.1	Network Information Exchange - Short Term ATFCM Measures services (MCDM, eHelpdesk, STAM measures)	5	45	0	50	*	No
5.6.1	Information Exchange (Yellow Profile) - Data Publication Service	25	25	50	0	December 2032	Yes
5.6.1	Information Exchange (Yellow Profile) - Extended AMAN SWIM Service	3	30	0	67	*	No
5.6.1	Information Exchange (Yellow Profile) - Flight Data Request Service	0	0	100	0	December 2025	No
5.6.1	Information Exchange (Yellow Profile) - Notification Service	25	25	50	0	December 2025	No

Chart Key



* The remaining scope of the Gap is Not yet Planned

Greece



Greece

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Number of gaps 16

Current status of implementation

- Completed
- Ongoing
- Planned
- Not yet Planned



Airport Gaps							Country Gaps							
Family	Airport	Completed (%)	Ongoing (%)	Planned (%)	Not Yet Planned (%)	Implementation date	CEF Projects	Family	Completed (%)	Ongoing (%)	Planned (%)	Not Yet Planned (%)	Implementation date	CEF Projects
2.2.2	Athens Eleftherios Venizelos	2	20	78	0	December 2027	Yes	3.1.1	100	0	0	0	December 2018	
4.4.1	Athens Eleftherios Venizelos	0	0	100	0	December 2027		3.1.2	100	0	0	0	December 2018	
								3.2.1	100	0	0	0	December 2020	
								3.2.2	3	29	68	0	December 2024	
								4.1.1	100	0	0	0	March 2023	
								4.2.1	100	0	0	0	December 2023	
								4.3.1	100	0	0	0	December 2023	
								5.2.1	1	7	41	51	*	
								5.3.1	0	0	40	60	*	
								5.4.1	0	0	0	100	*	
								5.5.1	0	0	0	100	*	
								5.6.1	0	0	0	100	*	
								6.1.2	0	0	0	100	*	
								6.3.1	0	0	100	0	December 2027	

Chart Key

- Completed Gaps
- Foreseen implementation beyond CP1 deadline

* The remaining scope of the Gap is Not yet Planned

List of CEF-funded initiatives awarded to Stakeholders

Reference Number	CEF Project Title	Implementing Partners	Closed
#095AF3	Implementation of FRA in Greece	HCAA	✓
2015_029_AF3	Procurement of new DPS/ATM and VCRS systems to support DCTs and FRA	HCAA	
2016_161_AF6	DLS Implementation Project - Path 1 Ground stakeholders	HCAA	✓
2017_084_AF5	SWIM Common PKI and policies & procedures for establishing a Trust framework	HCAA	✓
2022_014_AF5	Acceleration of Aeronautical Digital Information Availability (ACADIA)	Athens International Airport	
2022_022_AF2_AF4	BEACON	Athens International Airport	



Greece

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Number of SWIM Services 13

Current status of implementation

- Completed
- Ongoing
- Planned
- Not yet Planned



Family	Service	Completed (%)	Ongoing (%)	Planned (%)	Not Yet Planned (%)	Completion date	CEF Projects
5.3.1	Information Exchange - Airspace Reservation (ARES)	0	0	0	100	*	No
5.3.1	Information Exchange - Aerodrome mapping service						
5.3.1	Information Exchange - Aeronautical Information Features service	0	0	100	0	December 2025	No
5.3.1	Information Exchange - Airspace Availability Service	0	0	0	100	*	No
5.3.1	Information Exchange - Airspace structure service	0	0	0	100	*	No
5.3.1	Information Exchange - Digital NOTAM service	0	0	100	0	December 2025	No
5.4.1	Information Exchange - Aerodrome Meteorological information Service	0	0	0	100	*	No
5.4.1	Information Exchange - En-Route and Approach Meteorological information service	0	0	0	100	*	No
5.4.1	Information Exchange - Network Meteorological Information	0	0	0	100	*	No
5.4.1	Information Exchange - Volcanic Ash Mass Concentration information service	0	0	0	100	*	No
5.5.1	Network Information Exchange - ATFCM Tactical Updates Service (Airport Capacity and Enroute)						
5.5.1	Network Information Exchange - Counts service (ATFCM Congestion Points)						
5.5.1	Network Information Exchange - Flight Management Service (Slots and NOP/AOP integration)	0	0	0	100	*	No
5.5.1	Network Information Exchange - Measures Service (Traffic Regulation)						
5.5.1	Network Information Exchange - Short Term ATFCM Measures services (MCDM, eHelpdesk, STAM measures)						
5.6.1	Information Exchange (Yellow Profile) - Data Publication Service	0	0	0	100	*	No
5.6.1	Information Exchange (Yellow Profile) - Extended AMAN SWIM Service						
5.6.1	Information Exchange (Yellow Profile) - Flight Data Request Service	0	0	0	100	*	No
5.6.1	Information Exchange (Yellow Profile) - Notification Service	0	0	0	100	*	No

Chart Key

- Completed SWIM Service
- Foreseen implementation beyond CP1 deadline

* The remaining scope of the Gap is Not yet Planned

Hungary



Hungary

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Number of gaps **14**

Current status of implementation

- Completed
- Ongoing
- Planned
- Not yet Planned



Airport Gaps							Country Gaps							
Family	Airport	Completed (%)	Ongoing (%)	Planned (%)	Not Yet Planned (%)	Implementation date	CEF Projects	Family	Completed (%)	Ongoing (%)	Planned (%)	Not Yet Planned (%)	Implementation date	CEF Projects
								3.1.1	100	0	0	0	December 2022	
								3.1.2	100	0	0	0	January 2016	
								3.2.1	100	0	0	0	February 2015	
								3.2.2	100	0	0	0	February 2022	
								4.1.1	100	0	0	0	October 2022	
								4.2.1	100	0	0	0	November 2022	
								4.3.1	29	66	5	0	July 2024	
								5.2.1	6	4	90	0	December 2025	
								5.3.1	50	5	45	0	December 2027	
								5.4.1	4	30	66	0	December 2027	
								5.5.1	51	11	38	0	December 2025	
								5.6.1	8	30	37	25	*	
								6.1.2	0	0	0	100	*	
								6.3.1	0	0	100	0	December 2027	

Chart Key

- Completed Gaps
- Foreseen implementation beyond CP1 deadline

* The remaining scope of the Gap is Not yet Planned

List of CEF-funded initiatives awarded to Stakeholders

Reference Number	CEF Project Title	Implementing Partners	Closed
#102AF3	Free route airspace from the Black Forest to the Black Sea	HungaroControl	✔
2015_034_AF3	ATM System (MATIAS) upgrade for cross-border free route operation	HungaroControl	✔
2015_234_AF1_B	AMAN LOWW initial	HungaroControl	✔
2016_027_AF5	European Deployment Roadmap for Flight Object Interoperability	HungaroControl	✔
2016_075_AF3_B	FAB CE wide Study of DAM and STAM - Cohesion Call	HungaroControl	✔
2016_141_AF5	Deploy SWIM governance	HungaroControl	✔
2016_159_AF6	DLS Implementation Project - Path 2	HungaroControl	✔
2016_161_AF6	DLS Implementation Project - Path 1 Ground stakeholders	HungaroControl	✔
2017_074_AF3	Hungarian ATM system upgrade for AF3-AF4	HungaroControl	✔
2017_084_AF5	SWIM Common PKI and policies & procedures for establishing a Trust framework	HungaroControl	✔
2017_089_AF6	IP1 - DLS European Target Solution assessment	HungaroControl	✔

Number of SWIM Services **17**

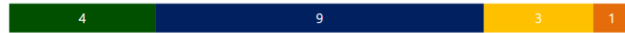
Current status of implementation

● Completed

● Ongoing

● Planned

● Not yet Planned



Family	Service	Completed (%)	Ongoing (%)	Planned (%)	Not Yet Planned (%)	Completion date	CEF Projects
5.3.1	Information Exchange - Airspace Reservation (ARES)	51	24	25	0	December 2027	No
5.3.1	Information Exchange - Aerodrome mapping service						
5.3.1	Information Exchange - Aeronautical Information Features service	0	0	100	0	December 2027	No
5.3.1	Information Exchange - Airspace Availability Service	100	0	0	0	January 2016	No
5.3.1	Information Exchange - Airspace structure service	100	0	0	0	January 2016	No
5.3.1	Information Exchange – Digital NOTAM service	0	0	100	0	December 2027	No
5.4.1	Information Exchange - Aerodrome Meteorological information Service	1	3	96	0	December 2027	No
5.4.1	Information Exchange - En-Route and Approach Meteorological information service	3	30	67	0	December 2027	No
5.4.1	Information Exchange - Network Meteorological Information	9	78	13	0	December 2027	No
5.4.1	Information Exchange - Volcanic Ash Mass Concentration information service	2	8	90	0	December 2027	No
5.5.1	Network Information Exchange - ATFCM Tactical Updates Service (Airport Capacity and Enroute)	100	0	0	0	January 2021	No
5.5.1	Network Information Exchange – Counts service (ATFCM Congestion Points)	0	0	100	0	December 2025	No
5.5.1	Network Information Exchange – Flight Management Service (Slots and NOP/AOP integration)	100	0	0	0	January 2020	No
5.5.1	Network Information Exchange – Measures Service (Traffic Regulation)	5	45	50	0	December 2025	No
5.5.1	Network Information Exchange - Short Term ATFCM Measures services (MCDM, eHelpdesk, STAM measures)						
5.6.1	Information Exchange (Yellow Profile) - Data Publication Service	10	40	50	0	September 2028	No
5.6.1	Information Exchange (Yellow Profile) - Extended AMAN SWIM Service	0	0	0	100	*	No
5.6.1	Information Exchange (Yellow Profile) - Flight Data Request Service	10	40	50	0	September 2028	No
5.6.1	Information Exchange (Yellow Profile) - Notification Service	10	40	50	0	September 2028	No

* The remaining scope of the Gap is Not yet Planned

Chart Key



Ireland



Ireland

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Number of gaps **21**

Current status of implementation

- Completed
- Ongoing
- Planned
- Not yet Planned



Airport Gaps							Country Gaps							
Family	Airport	Completed (%)	Ongoing (%)	Planned (%)	Not Yet Planned (%)	Implementation date	CEF Projects	Family	Completed (%)	Ongoing (%)	Planned (%)	Not Yet Planned (%)	Implementation date	CEF Projects
1.1.1	Dublin Airport	22	68	10	0	December 2024	Yes	3.1.1	100	0	0	0	November 2022	
2.1.1	Dublin Airport	93	0	7	0	December 2024	Yes	3.1.2	100	0	0	0	November 2022	
2.2.1	Dublin Airport	85	0	15	0	December 2024	Yes	3.2.1	100	0	0	0	December 2009	
2.2.2	Dublin Airport	9	76	15	0	December 2027		3.2.2	100	0	0	0	December 2021	
2.3.1	Dublin Airport	62	28	10	0	December 2025	Yes	4.1.1	100	0	0	0	December 2022	
4.2.2	Dublin Airport	67	27	6	0	June 2025		4.2.1	100	0	0	0	December 2023	
4.4.1	Dublin Airport	0	0	48	52	*		4.3.1	100	0	0	0	December 2022	
								5.2.1	7	33	0	60	*	
								5.3.1	24	63	13	0	December 2028	Yes
								5.4.1	9	73	18	0	December 2027	
								5.5.1	11	8	6	75	*	
								5.6.1	6	2	92	0	December 2028	
								6.1.2	0	0	0	100	*	
								6.3.1	0	0	100	0	December 2027	

Chart Key

- Completed Gaps
- Foreseen implementation beyond CP1 deadline

* The remaining scope of the Gap is Not yet Planned

List of CEF-funded initiatives awarded to Stakeholders

Reference Number	CEF Project Title	Implementing Partners	Closed
#020AF3	Borealis Free Route Airspace (Part 1)	IAA	✔
#135AF2a	Ryanair RAAS Programme (Part A)	Ryanair	✔
#135AF2b	Ryanair RAAS Programme (Part B)	Ryanair	✔
2015_074_AF2	Display TOBT TSAT at the Gate	DAA	✔
2015_076_AF2	Aerial Visual Display A-CDM Phase 2	DAA	✔
2015_077_AF2	Universal Mobile Display System (UMDS) solution to support A-CDM	DAA	✔
2015_078_AF2	A-CDM Enhancements EIDW	DAA	✔
2015_159_AF3	Deployment of IP / VOIP technology to enable Management of Dynamic Airspace configurations	IAA	
2015_161_AF2	Initial implementation of DMAN	IAA	✔
2015_162_AF2	Electronic Flight Strip (EFS) Implementation	IAA	✔
2015_174_AF5_A	NewPENS Stakeholders contribution for the procurement and deployment of NewPENS - Part A: General Call	IAA	✔
2015_207_AF3_A	Harmonisation of Technical ATM Platform in 5 ANSP including support of free Route Airspace and preparation of PCP program. (COOPANS B3.3, B3.4 and B3.5)	IAA	✔
2015_227_AF3_A	Borealis FRA Implementation (Part 2)	IAA	
2015_227_AF3_A	Borealis FRA Implementation (Part 2)	Ryanair	
2016_027_AF5	European Deployment Roadmap for Flight Object Interoperability	IAA	✔
2016_033_AF5	Use SWIM methods to replace AFTN feeds for A-CDM	DAA	✔
2016_034_AF5	Upgrade/Replace Infrastructure to facilitate SWIM	DAA	✔
2016_148_AF5	Implementation of Automated Meteorological Information Exchange	DHLGH	
2016_148_AF5	Implementation of Automated Meteorological Information Exchange	IAA	
2016_150_AF2_GND	Enablers for Airport Surface Movement related to Safety Nets	DAA	
2016_164_AF6	RYP Upgrade to ATN B1 to "best in class"	Ryanair	✔
2017_018_AF5	SWIM-enabled OCC	Ryanair	
2017_022_AF2	Synchronised stakeholder decision on process optimisation at airport level	DAA	
2017_066_AF5	Implementing harmonised SWIM (Y) solution in COOPANS ANSPs and general PCP compliance	IAA	
2017_084_AF5	SWIM Common PKI and policies & procedures for establishing a Trust framework	Ryanair	✔
2017_089_AF6	IP1 - DLS European Target Solution assessment	Airtel	✔
2022_014_AF5	Acceleration of Aeronautical Digital Information Availability (ACADIA)	AirNav Ireland	
2022_014_AF5	Acceleration of Aeronautical Digital Information Availability (ACADIA)	DAA	
2022_020_AF5	ASM SWIM	AirNav Ireland	



Ireland

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Number of SWIM Services **18**

Current status of implementation

- Completed
- Ongoing
- Planned
- Not yet Planned



Family	Service	Completed (%)	Ongoing (%)	Planned (%)	Not Yet Planned (%)	Completion date	CEF Projects
5.3.1	Information Exchange - Airspace Reservation (ARES)	30	20	50	0	December 2028	Yes
5.3.1	Information Exchange - Aerodrome mapping service	10	90	0	0	December 2025	Yes
5.3.1	Information Exchange - Aeronautical Information Features service	10	80	10	0	December 2025	Yes
5.3.1	Information Exchange - Airspace Availability Service	40	60	0	0	December 2025	Yes
5.3.1	Information Exchange - Airspace structure service	43	57	0	0	December 2025	Yes
5.3.1	Information Exchange - Digital NOTAM service	8	72	20	0	December 2025	Yes
5.4.1	Information Exchange - Aerodrome Meteorological information Service	10	83	7	0	December 2025	Yes
5.4.1	Information Exchange - En-Route and Approach Meteorological information service	9	78	13	0	December 2027	Yes
5.4.1	Information Exchange - Network Meteorological Information	9	78	13	0	December 2027	Yes
5.4.1	Information Exchange - Volcanic Ash Mass Concentration information service	10	53	37	0	December 2025	No
5.5.1	Network Information Exchange - ATFCM Tactical Updates Service (Airport Capacity and Enroute)	0	0	0	100	*	No
5.5.1	Network Information Exchange - Counts service (ATFCM Congestion Points)	0	0	0	100	*	No
5.5.1	Network Information Exchange - Flight Management Service (Slots and NOP/AOP integration)	45	30	25	0	December 2025	Yes
5.5.1	Network Information Exchange - Measures Service (Traffic Regulation)	0	0	0	100	*	No
5.5.1	Network Information Exchange - Short Term ATFCM Measures services (MCDM, eHelpdesk, STAM measures)						
5.6.1	Information Exchange (Yellow Profile) - Data Publication Service	0	0	100	0	December 2028	No
5.6.1	Information Exchange (Yellow Profile) - Extended AMAN SWIM Service	25	8	67	0	December 2025	No
5.6.1	Information Exchange (Yellow Profile) - Flight Data Request Service	0	0	100	0	December 2028	Yes
5.6.1	Information Exchange (Yellow Profile) - Notification Service	0	0	100	0	December 2028	No

Chart Key



* The remaining scope of the Gap is Not yet Planned

Italy



Italy

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Number of gaps 31

Current status of implementation

- Completed
- Ongoing
- Planned
- Not yet Planned



Airport Gaps							
Family	Airport	Completed (%)	Ongoing (%)	Planned (%)	Not Yet Planned (%)	Implementation date	CEF Projects
1.1.1	Milan Malpensa	22	68	10	0	December 2024	
1.1.1	Rome Fiumicino	77	3	20	0	December 2024	
1.2.1	Milan Malpensa	0	0	100	0	December 2027	
2.1.1	Milan Malpensa	100	0	0	0	December 2022	
2.1.1	Rome Fiumicino	100	0	0	0	December 2022	
2.2.1	Milan Malpensa	100	0	0	0	December 2023	Yes
2.2.1	Rome Fiumicino	100	0	0	0	March 2022	Yes
2.2.2	Milan Malpensa	2	20	78	0	December 2027	
2.2.2	Rome Fiumicino	3	5	92	0	December 2027	
2.2.2	Milan Linate	2	20	78	0	December 2027	Yes
2.3.1	Milan Malpensa	78	22	0	0	December 2025	Yes
2.3.1	Rome Fiumicino	58	14	28	0	December 2025	Yes
4.2.2	Milan Malpensa	81	11	8	0	December 2024	Yes
4.2.2	Rome Fiumicino	91	6	3	0	April 2024	Yes
4.4.1	Milan Linate	11	17	72	0	December 2027	
4.4.1	Milan Malpensa	3	25	72	0	December 2027	
4.4.1	Rome Fiumicino	0	0	100	0	December 2027	

Country Gaps							
Family	Completed (%)	Ongoing (%)	Planned (%)	Not Yet Planned (%)	Implementation date	CEF Projects	
3.1.1	100	0	0	0	December 2022		
3.1.2	100	0	0	0	April 2021		
3.2.1	100	0	0	0	May 2018		
3.2.2	57	43	0	0	December 2025		
4.1.1	100	0	0	0	December 2022		
4.2.1	100	0	0	0	December 2023		
4.3.1	100	0	0	0	December 2022		
5.2.1	40	24	36	0	December 2025		
5.3.1	41	34	25	0	December 2025	Yes	
5.4.1	35	33	32	0	December 2025		
5.5.1	26	23	51	0	December 2025		
5.6.1	21	33	46	0	December 2028		
6.1.2	3	22	75	0	December 2027		
6.3.1	28	22	50	0	December 2027		

Chart Key

- Completed Gaps
- Foreseen implementation beyond CP1 deadline

List of CEF-funded initiatives awarded to Stakeholders

Reference Number	CEF Project Title	Implementing Partners	Closed
#004AF3	AZA Traffic Flow Restriction (TFR) – LIDO planning system	Alitalia S.p.A	✓
#005AF3	AZA FREE FLIGHT- DIRECT OPTIMIZATION	Alitalia S.p.A	✓
#062AF4	ENAV initiative for the identification of Network Collaborative Management requirements	ENAV	✓
#063AF3	ENAV implementation of Free Route	ENAV	✓
#064AF2	ENAV Airport System upgrade	ENAV	✓
#065AF1	ENAV Geographic DB for Procedure Design	ENAV	✓
#066AF5	ENAV AIS system Upgrade to support AIXM 5.1	ENAV	✓
#067AF5	Coflight-eFDP System Development	ENAV	✓
2015_198_AF5	Implementation of ENAV LAN Servizi	ENAV	✓
2015_201_AF5	Transition of current Aeronautical Information Management System to EAD	ENAV	✓
2015_202_AF3	ASM tool Implementation	ENAV	✓
2015_204_AF3_Phase_I	4-Flight deployment in Italy 2016-2017	ENAV	✓
2015_204_AF3_Phase_II	4-Flight deployment in Italy 2019-2020	ENAV	
2016_027_AF5	European Deployment Roadmap for Flight Object Interoperability	ENAV	✓
2016_089_AF6	IT_ITAF ATC CONTROL SYSTEM MOVING TO i4D	ENAV	✓
2016_089_AF6	IT_ITAF ATC CONTROL SYSTEM MOVING TO i4D	MoD Italy	✓
2016_092_AF5	ITAF WAN	MoD Italy	✓
2016_108_AF5	ENAV ADQ - Aeronautical Data Quality system interface evolution (ADQ2)	ENAV	✓
2016_109_AF5	BLUEMED FAB IP Network deployment	ENAV	✓
2016_110_AF3	ENAV Automated ENV Data Interchange for FDP	ENAV	✓
2016_114_AF4	ENAV Traffic Complexity Tool Implementation	ENAV	✓
2016_115_AF3	ENAV 4-Flight Deployment in Italy - Third Stage 2017-2018	ENAV	✓
2016_116_AF5	ENAV Security Operational Centre (iSOC) Upgrade	ENAV	✓
2016_117_AF2	ENAV Implementation of A-SMGCS Level 1 and 2 with Safety Nets in MXP and FCO	ADR	
2016_117_AF2	ENAV Implementation of A-SMGCS Level 1 and 2 with Safety Nets in MXP and FCO	ENAV	
2016_117_AF2	ENAV Implementation of A-SMGCS Level 1 and 2 with Safety Nets in MXP and FCO	S.E.A.	
2016_118_AF5	ENAV Network enhancement toward NewPENS	ENAV	✓
2016_119_AF5	ENAV Airport MET System and UPM-MET database upgrade	ENAV	
2016_120_AF1	ENAV Introduction of RNP1+RF and APV procedures in MXP and FCO	ENAV	✓
2016_141_AF5	Deploy SWIM governance	ENAV	✓
2016_150_AF2_GND	Enablers for Airport Surface Movement related to Safety Nets	ADR	
2016_159_AF6	DLS Implementation Project - Path 2	ENAV	✓
2016_161_AF6	DLS Implementation Project - Path 1 Ground stakeholders	ENAV	✓
2017_004_AF1	Flight Crew Training for RNP1 Operations	Air Dolomiti	
2017_020_AF5	Initial SWIM security deployment	ADR	✓
2017_022_AF2	Synchronised stakeholder decision on process optimisation at airport level	ADR	
2017_022_AF2	Synchronised stakeholder decision on process optimisation at airport level	ENAV	

List of CEF-funded initiatives awarded to Stakeholders

Reference Number	CEF Project Title	Implementing Partners	Closed
2017_040_AF5	AERONET/ENET2 Interoperability	MoD Italy	
2017_041_AF3	ASM - LARA Enhancement - Implementation in Italy	ENAV	
2017_041_AF3	ASM - LARA Enhancement - Implementation in Italy	MoD Italy	
2017_042_AF3	Automatic Tactical Controller Tool implementation	ENAV	
2017_042_AF3	Automatic Tactical Controller Tool implementation	MoD Italy	
2017_043_AF3	Coflight-eFDP Development (Step 2)	ENAV	✓
2017_045_AF4	ENAV Deployment of traffic complexity tool and STAM phase 2	ENAV	
2017_052_AF4	AOP-NOP Integration - Extended Implementation	ADR	
2017_052_AF4	AOP-NOP Integration - Extended Implementation	S.E.A.	
2017_069_AF5	ITALIAN AIR FORCE INTEGRATED BRIEFING	MoD Italy	✓
2017_084_AF5	SWIM Common PKI and policies & procedures for establishing a Trust framework	ENAV	✓
2017_089_AF6	IP1 - DLS European Target Solution assessment	ENAV	✓
2017_089_AF6	IP1 - DLS European Target Solution assessment	Leonardo	✓
2022_007_AF3	South East Enhanced FRA implementation	ENAV	
2022_014_AF5	Acceleration of Aeronautical Digital Information Availability (ACADIA)	ENAV	
2022_022_AF2_AF4	BEACON	S.E.A.	



Italy

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Number of SWIM Services **19**

Current status of implementation

- Completed
- Ongoing
- Planned
- Not yet Planned



Family	Service	Completed (%)	Ongoing (%)	Planned (%)	Not Yet Planned (%)	Completion date	CEF Projects
5.3.1	Information Exchange - Airspace Reservation (ARES)	15	35	50	0	December 2025	No
5.3.1	Information Exchange - Aerodrome mapping service	10	90	0	0	December 2025	Yes
5.3.1	Information Exchange - Aeronautical Information Features service	18	72	10	0	December 2025	Yes
5.3.1	Information Exchange - Airspace Availability Service	100	0	0	0	December 2021	No
5.3.1	Information Exchange - Airspace structure service	100	0	0	0	December 2021	No
5.3.1	Information Exchange - Digital NOTAM service	5	5	90	0	December 2025	Yes
5.4.1	Information Exchange - Aerodrome Meteorological information Service	25	12	63	0	December 2025	Yes
5.4.1	Information Exchange - En-Route and Approach Meteorological information service	33	60	7	0	December 2025	No
5.4.1	Information Exchange - Network Meteorological Information	71	23	6	0	December 2025	No
5.4.1	Information Exchange - Volcanic Ash Mass Concentration information service	10	40	50	0	December 2025	No
5.5.1	Network Information Exchange - ATFCM Tactical Updates Service (Airport Capacity and Enroute)	20	30	50	0	December 2025	No
5.5.1	Network Information Exchange - Counts service (ATFCM Congestion Points)	50	0	50	0	June 2024	No
5.5.1	Network Information Exchange - Flight Management Service (Slots and NOP/AOP integration)	17	27	56	0	December 2025	No
5.5.1	Network Information Exchange - Measures Service (Traffic Regulation)	20	30	50	0	December 2025	No
5.5.1	Network Information Exchange - Short Term ATFCM Measures services (MCDM, eHelpdesk, STAM measures)	20	30	50	0	December 2025	No
5.6.1	Information Exchange (Yellow Profile) - Data Publication Service	25	25	50	0	December 2028	No
5.6.1	Information Exchange (Yellow Profile) - Extended AMAN SWIM Service	10	56	34	0	December 2025	No
5.6.1	Information Exchange (Yellow Profile) - Flight Data Request Service	25	25	50	0	December 2028	Yes
5.6.1	Information Exchange (Yellow Profile) - Notification Service	25	25	50	0	December 2028	No

Chart Key

- Completed SWIM Service
- Foreseen implementation beyond CP1 deadline

Latvia



Latvia

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Number of gaps 13

Current status of implementation

- Completed
- Ongoing
- Planned
- Not yet Planned



Airport Gaps								Country Gaps						
Family	Airport	Completed (%)	Ongoing (%)	Planned (%)	Not Yet Planned (%)	Implementation date	CEF Projects	Family	Completed (%)	Ongoing (%)	Planned (%)	Not Yet Planned (%)	Implementation date	CEF Projects
								3.1.1	100	0	0	0	August 2019	
								3.1.2	100	0	0	0	January 2018	
								3.2.1	100	0	0	0	November 2015	
								3.2.2	100	0	0	0	November 2015	
								4.1.1	100	0	0	0	August 2019	
								4.2.1	100	0	0	0	January 2016	
								4.3.1	100	0	0	0	December 2015	
								5.2.1	0	0	0	100	*	
								5.3.1	40	26	14	20	*	Yes
								5.4.1	1	13	73	13	*	
								5.5.1						
								5.6.1	0	0	50	50	*	
								6.1.2	0	0	0	100	*	
								6.3.1	0	0	100	0	December 2027	

Chart Key

- Completed Gaps
- Foreseen implementation beyond CP1 deadline

* The remaining scope of the Gap is Not yet Planned

List of CEF-funded initiatives awarded to Stakeholders

Reference Number	CEF Project Title	Implementing Partners	Closed
#020AF3	Borealis Free Route Airspace (Part 1)	LGS	✓
2015_227_AF3_A	Borealis FRA Implementation (Part 2)	LGS	
2016_159_AF6	DLS Implementation Project - Path 2	LGS	✓
2016_161_AF6	DLS Implementation Project - Path 1 Ground stakeholders	LGS	✓
2016_163_AF6	CPDLC Implementation in the Riga FIR	LGS	✓
2022_014_AF5	Acceleration of Aeronautical Digital Information Availability (ACADIA)	LGS	



Latvia

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Number of SWIM Services 12

Current status of implementation

- Completed
- Ongoing
- Planned
- Not yet Planned



Family	Service	Completed (%)	Ongoing (%)	Planned (%)	Not Yet Planned (%)	Completion date	CEF Projects
5.3.1	Information Exchange - Airspace Reservation (ARES)	0	0	0	100	*	No
5.3.1	Information Exchange - Aerodrome mapping service						
5.3.1	Information Exchange - Aeronautical Information Features service	10	80	10	0	December 2025	Yes
5.3.1	Information Exchange - Airspace Availability Service	75	25	0	0	December 2025	No
5.3.1	Information Exchange - Airspace structure service	50	0	50	0	December 2025	No
5.3.1	Information Exchange - Digital NOTAM service	66	24	10	0	December 2025	Yes
5.4.1	Information Exchange - Aerodrome Meteorological information Service	3	30	37	30	*	No
5.4.1	Information Exchange - En-Route and Approach Meteorological information service	3	24	73	0	December 2027	No
5.4.1	Information Exchange - Network Meteorological Information	0	0	100	0	December 2025	No
5.4.1	Information Exchange - Volcanic Ash Mass Concentration information service	0	0	80	20	*	No
5.5.1	Network Information Exchange - ATFCM Tactical Updates Service (Airport Capacity and Enroute)						
5.5.1	Network Information Exchange - Counts service (ATFCM Congestion Points)						
5.5.1	Network Information Exchange - Flight Management Service (Slots and NOP/AOP integration)						
5.5.1	Network Information Exchange - Measures Service (Traffic Regulation)						
5.5.1	Network Information Exchange - Short Term ATFCM Measures services (MCDM, eHelpdesk, STAM measures)						
5.6.1	Information Exchange (Yellow Profile) - Data Publication Service	0	0	50	50	*	No
5.6.1	Information Exchange (Yellow Profile) - Extended AMAN SWIM Service						
5.6.1	Information Exchange (Yellow Profile) - Flight Data Request Service	0	0	50	50	*	No
5.6.1	Information Exchange (Yellow Profile) - Notification Service	0	0	50	50	*	No

Chart Key

- Completed SWIM Service
- Foreseen implementation beyond CP1 deadline

* The remaining scope of the Gap is Not yet Planned

Lithuania



Lithuania

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Number of gaps **13**

Current status of implementation

- Completed
- Ongoing
- Planned
- Not yet Planned



Airport Gaps								Country Gaps						
Family	Airport	Completed (%)	Ongoing (%)	Planned (%)	Not Yet Planned (%)	Implementation date	CEF Projects	Family	Completed (%)	Ongoing (%)	Planned (%)	Not Yet Planned (%)	Implementation date	CEF Projects
								3.1.1	100	0	0	0	December 2022	
								3.1.2	100	0	0	0	December 2021	
								3.2.1	100	0	0	0	December 2017	
								3.2.2	100	0	0	0	March 2022	
								4.1.1	100	0	0	0	October 2018	
								4.2.1	100	0	0	0	August 2023	
								4.3.1	100	0	0	0	August 2023	
								5.2.1	9	0	91	0	December 2025	
								5.3.1	43	29	28	0	December 2025	
								5.4.1	3	22	61	14	*	
								5.5.1						
								5.6.1	9	8	83	0	December 2030	
								6.1.2	0	0	100	0	December 2030	
								6.3.1	0	0	100	0	December 2030	

Chart Key

- Completed Gaps
- Foreseen implementation beyond CP1 deadline

* The remaining scope of the Gap is Not yet Planned

List of CEF-funded initiatives awarded to Stakeholders

Reference Number	CEF Project Title	Implementing Partners	Closed
2016_087_AF3	ITEC Tests, Validations and Planning (ITEC-TVP)	ORO NAVIGACIJA	
2016_159_AF6	DLS Implementation Project - Path 2	ORO NAVIGACIJA	✔
2016_161_AF6	DLS Implementation Project - Path 1 Ground stakeholders	ORO NAVIGACIJA	✔
2017_084_AF5	SWIM Common PKI and policies & procedures for establishing a Trust framework	ORO NAVIGACIJA	✔
2022_020_AF5	ASM SWIM	ORO NAVIGACIJA AB	



Lithuania

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Number of SWIM Services **12**

Current status of implementation

- Completed
- Ongoing
- Planned
- Not yet Planned



Family	Service	Completed (%)	Ongoing (%)	Planned (%)	Not Yet Planned (%)	Completion date	CEF Projects
5.3.1	Information Exchange - Airspace Reservation (ARES)	0	0	100	0	December 2025	Yes
5.3.1	Information Exchange - Aerodrome mapping service						
5.3.1	Information Exchange - Aeronautical Information Features service	8	72	20	0	December 2025	No
5.3.1	Information Exchange - Airspace Availability Service	100	0	0	0	March 2021	No
5.3.1	Information Exchange - Airspace structure service	100	0	0	0	March 2021	No
5.3.1	Information Exchange - Digital NOTAM service	8	72	20	0	December 2025	No
5.4.1	Information Exchange - Aerodrome Meteorological information Service	3	30	37	30	*	No
5.4.1	Information Exchange - En-Route and Approach Meteorological information service	3	30	40	27	*	No
5.4.1	Information Exchange - Network Meteorological Information	3	30	67	0	December 2025	No
5.4.1	Information Exchange - Volcanic Ash Mass Concentration information service	0	0	100	0	December 2025	No
5.5.1	Network Information Exchange - ATFCM Tactical Updates Service (Airport Capacity and Enroute)						
5.5.1	Network Information Exchange - Counts service (ATFCM Congestion Points)						
5.5.1	Network Information Exchange - Flight Management Service (Slots and NOP/AOP integration)						
5.5.1	Network Information Exchange - Measures Service (Traffic Regulation)						
5.5.1	Network Information Exchange - Short Term ATFCM Measures services (MCDM, eHelpdesk, STAM measures)						
5.6.1	Information Exchange (Yellow Profile) - Data Publication Service	25	25	50	0	December 2030	No
5.6.1	Information Exchange (Yellow Profile) - Extended AMAN SWIM Service						
5.6.1	Information Exchange (Yellow Profile) - Flight Data Request Service	0	0	100	0	December 2030	No
5.6.1	Information Exchange (Yellow Profile) - Notification Service	0	0	100	0	December 2030	No

Chart Key

- Completed SWIM Service
- Foreseen implementation beyond CP1 deadline

* The remaining scope of the Gap is Not yet Planned

Luxembourg



Luxembourg

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Number of gaps **14**

Current status of implementation

- Completed
- Ongoing
- Planned
- Not yet Planned



Airport Gaps								Country Gaps						
Family	Airport	Completed (%)	Ongoing (%)	Planned (%)	Not Yet Planned (%)	Implementation date	CEF Projects	Family	Completed (%)	Ongoing (%)	Planned (%)	Not Yet Planned (%)	Implementation date	CEF Projects
								3.1.1	100	0	0	0	October 2022	
								3.1.2	100	0	0	0	October 2022	
								3.2.1	100	0	0	0	October 2019	
								3.2.2	100	0	0	0	October 2019	
								4.1.1	100	0	0	0	December 2022	
								4.2.1	100	0	0	0	December 2022	
								4.3.1	100	0	0	0	December 2022	
								5.2.1	0	0	100	0	December 2025	
								5.3.1	22	8	70	0	December 2025	
								5.4.1	0	0	97	3	*	
								5.5.1	100	0	0	0	December 2022	
								5.6.1	0	0	0	100	*	
								6.1.2	100	0	0	0	December 2022	
								6.3.1	3	22	75	0	December 2027	

Chart Key

- Completed Gaps
- Foreseen implementation beyond CP1 deadline

* The remaining scope of the Gap is Not yet Planned



Luxembourg

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Number of SWIM Services **14**

Current status of implementation

- Completed
- Ongoing
- Planned
- Not yet Planned



Family	Service	Completed (%)	Ongoing (%)	Planned (%)	Not Yet Planned (%)	Completion date	CEF Projects
5.3.1	Information Exchange - Airspace Reservation (ARES)	0	0	100	0	December 2025	No
5.3.1	Information Exchange - Aerodrome mapping service						
5.3.1	Information Exchange - Aeronautical Information Features service	0	0	100	0	December 2025	No
5.3.1	Information Exchange - Airspace Availability Service	75	25	0	0	December 2024	No
5.3.1	Information Exchange - Airspace structure service	34	16	50	0	December 2025	No
5.3.1	Information Exchange - Digital NOTAM service	0	0	100	0	December 2025	No
5.4.1	Information Exchange - Aerodrome Meteorological information Service	0	0	100	0	December 2025	No
5.4.1	Information Exchange - En-Route and Approach Meteorological information service	0	0	100	0	December 2025	No
5.4.1	Information Exchange - Network Meteorological Information	0	0	87	13	*	No
5.4.1	Information Exchange - Volcanic Ash Mass Concentration information service	0	0	100	0	December 2025	No
5.5.1	Network Information Exchange - ATFCM Tactical Updates Service (Airport Capacity and Enroute)						
5.5.1	Network Information Exchange - Counts service (ATFCM Congestion Points)	100	0	0	0	December 2022	No
5.5.1	Network Information Exchange - Flight Management Service (Slots and NOP/AOP integration)						
5.5.1	Network Information Exchange - Measures Service (Traffic Regulation)						
5.5.1	Network Information Exchange - Short Term ATFCM Measures services (MCDM, eHelpdesk, STAM measures)						
5.6.1	Information Exchange (Yellow Profile) - Data Publication Service	0	0	0	100	*	No
5.6.1	Information Exchange (Yellow Profile) - Extended AMAN SWIM Service	0	0	0	100	*	No
5.6.1	Information Exchange (Yellow Profile) - Flight Data Request Service	0	0	0	100	*	No
5.6.1	Information Exchange (Yellow Profile) - Notification Service	0	0	0	100	*	No

Chart Key

- Completed SWIM Service
- Foreseen implementation beyond CP1 deadline

* The remaining scope of the Gap is Not yet Planned

Maastricht Upper Area Control Center



Maastricht UAC

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Number of gaps **14**

Current status of implementation

- Completed
- Ongoing
- Planned
- Not yet Planned



Airport Gaps							Country Gaps							
Family	Airport	Completed (%)	Ongoing (%)	Planned (%)	Not Yet Planned (%)	Implementation date	CEF Projects	Family	Completed (%)	Ongoing (%)	Planned (%)	Not Yet Planned (%)	Implementation date	CEF Projects
								3.1.1	100	0	0	0	October 2017	
								3.1.2	100	0	0	0	June 2020	
								3.2.1	100	0	0	0	December 2019	
								3.2.2	100	0	0	0	December 2019	
								4.1.1	100	0	0	0	December 2018	
								4.2.1	100	0	0	0	December 2020	
								4.3.1	100	0	0	0	June 2021	
								5.2.1	10	90	0	0	December 2025	
								5.3.1	41	9	30	20	*	
								5.4.1	2	15	83	0	December 2025	
								5.5.1	90	0	10	0	December 2025	
								5.6.1	0	0	100	0	December 2028	
								6.1.2	100	0	0	0	December 2022	
								6.3.1	3	22	75	0	December 2027	

Chart Key

- Completed Gaps
- Foreseen implementation beyond CP1 deadline

* The remaining scope of the Gap is Not yet Planned



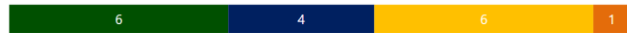
Maastricht UAC

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Number of SWIM Services **17**

Current status of implementation

- Completed
- Ongoing
- Planned
- Not yet Planned



Family	Service	Completed (%)	Ongoing (%)	Planned (%)	Not Yet Planned (%)	Completion date	CEF Projects
5.3.1	Information Exchange - Airspace Reservation (ARES)	5	45	50	0	December 2025	Yes
5.3.1	Information Exchange - Aerodrome mapping service						
5.3.1	Information Exchange - Aeronautical Information Features service	0	0	0	100	*	No
5.3.1	Information Exchange - Airspace Availability Service	100	0	0	0	December 2023	No
5.3.1	Information Exchange - Airspace structure service	100	0	0	0	December 2021	No
5.3.1	Information Exchange - Digital NOTAM service	0	0	100	0	December 2025	No
5.4.1	Information Exchange - Aerodrome Meteorological Information Service	0	0	100	0	December 2025	No
5.4.1	Information Exchange - En-Route and Approach Meteorological information service	3	30	67	0	December 2025	No
5.4.1	Information Exchange - Network Meteorological Information	3	30	67	0	December 2025	No
5.4.1	Information Exchange - Volcanic Ash Mass Concentration information service	0	0	100	0	December 2025	No
5.5.1	Network Information Exchange - ATFCM Tactical Updates Service (Airport Capacity and Enroute)	100	0	0	0	December 2021	No
5.5.1	Network Information Exchange - Counts service (ATFCM Congestion Points)	100	0	0	0	December 2021	No
5.5.1	Network Information Exchange - Flight Management Service (Slots and NOP/AOP integration)	50	0	50	0	December 2025	No
5.5.1	Network Information Exchange - Measures Service (Traffic Regulation)	100	0	0	0	December 2021	No
5.5.1	Network Information Exchange - Short Term ATFCM Measures services (MCDM, eHelpdesk, STAM measures)	100	0	0	0	December 2021	No
5.6.1	Information Exchange (Yellow Profile) - Data Publication Service	0	0	100	0	December 2028	No
5.6.1	Information Exchange (Yellow Profile) - Extended AMAN SWIM Service	0	0	100	0	December 2025	No
5.6.1	Information Exchange (Yellow Profile) - Flight Data Request Service	0	0	100	0	December 2028	No
5.6.1	Information Exchange (Yellow Profile) - Notification Service						

Chart Key

- Completed SWIM Service
- Foreseen implementation beyond CP1 deadline

* The remaining scope of the Gap is Not yet Planned

Malta



Malta

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Number of gaps 14

Current status of implementation

- Completed
- Ongoing
- Planned
- Not yet Planned



Airport Gaps							Country Gaps							
Family	Airport	Completed (%)	Ongoing (%)	Planned (%)	Not Yet Planned (%)	Implementation date	CEF Projects	Family	Completed (%)	Ongoing (%)	Planned (%)	Not Yet Planned (%)	Implementation date	CEF Projects
								3.1.1	100	0	0	0	November 2022	
								3.1.2	100	0	0	0	November 2022	
								3.2.1	100	0	0	0	December 2021	
								3.2.2	5	44	51	0	December 2025	
								4.1.1	100	0	0	0	December 2022	
								4.2.1	100	0	0	0	September 2023	
								4.3.1	100	0	0	0	December 2022	
								5.2.1	0	0	100	0	December 2025	
								5.3.1	7	56	37	0	December 2025	Yes
								5.4.1	3	27	13	57	*	
								5.5.1	0	0	100	0	December 2025	
								5.6.1	4	13	83	0	December 2025	
								6.1.2	0	0	0	100	*	
								6.3.1	0	0	100	0	December 2027	

Chart Key

- Completed Gaps
- Foreseen implementation beyond CP1 deadline

* The remaining scope of the Gap is Not yet Planned

List of CEF-funded initiatives awarded to Stakeholders

Reference Number	CEF Project Title	Implementing Partners	Closed
2016_109_AF5	BLUEMED FAB IP Network deployment	MATS	✔
2016_159_AF6	DLS Implementation Project - Path 2	MATS	✔
2016_161_AF6	DLS Implementation Project - Path 1 Ground stakeholders	MATS	✔
2022_007_AF3	South East Enhanced FRA implementation	MATS	
2022_014_AF5	Acceleration of Aeronautical Digital Information Availability (ACADIA)	MATS	
2022_020_AF5	ASM SWIM	MATS	

Number of SWIM Services **13**

Current status of implementation

- Completed
- Ongoing
- Planned
- Not yet Planned



Family	Service	Completed (%)	Ongoing (%)	Planned (%)	Not Yet Planned (%)	Completion date	CEF Projects
5.3.1	Information Exchange - Airspace Reservation (ARES)	3	22	75	0	December 2025	Yes
5.3.1	Information Exchange - Aerodrome mapping service						
5.3.1	Information Exchange - Aeronautical Information Features service	0	0	100	0	December 2025	Yes
5.3.1	Information Exchange - Airspace Availability Service	10	90	0	0	December 2025	Yes
5.3.1	Information Exchange - Airspace structure service	10	90	0	0	January 2024	Yes
5.3.1	Information Exchange - Digital NOTAM service	10	80	10	0	December 2025	Yes
5.4.1	Information Exchange - Aerodrome Meteorological information Service	7	59	4	30	*	No
5.4.1	Information Exchange - En-Route and Approach Meteorological information service	5	48	47	0	December 2025	No
5.4.1	Information Exchange - Network Meteorological Information	0	0	0	100	*	No
5.4.1	Information Exchange - Volcanic Ash Mass Concentration information service	0	0	0	100	*	No
5.5.1	Network Information Exchange - ATFCM Tactical Updates Service (Airport Capacity and Enroute)						
5.5.1	Network Information Exchange - Counts service (ATFCM Congestion Points)						
5.5.1	Network Information Exchange - Flight Management Service (Slots and NOP/AOP integration)	0	0	100	0	December 2025	No
5.5.1	Network Information Exchange - Measures Service (Traffic Regulation)						
5.5.1	Network Information Exchange - Short Term ATFCM Measures services (MCDM, eHelpdesk, STAM measures)						
5.6.1	Information Exchange (Yellow Profile) - Data Publication Service	0	0	100	0	December 2025	No
5.6.1	Information Exchange (Yellow Profile) - Extended AMAN SWIM Service						
5.6.1	Information Exchange (Yellow Profile) - Flight Data Request Service	10	40	50	0	December 2025	No
5.6.1	Information Exchange (Yellow Profile) - Notification Service	0	0	100	0	December 2025	No

Chart Key



* The remaining scope of the Gap is Not yet Planned

Netherlands



Netherlands

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Number of gaps **21**

Current status of implementation

- Completed
- Ongoing
- Planned
- Not yet Planned



Airport Gaps							Country Gaps							
Family	Airport	Completed (%)	Ongoing (%)	Planned (%)	Not Yet Planned (%)	Implementation date	CEF Projects	Family	Completed (%)	Ongoing (%)	Planned (%)	Not Yet Planned (%)	Implementation date	CEF Projects
1.1.1	Amsterdam Schiphol	0	4	58	38	*	Yes	3.1.1	100	0	0	0	October 2017	
2.1.1	Amsterdam Schiphol	100	0	0	0	December 2022	Yes	3.1.2	100	0	0	0	June 2020	
2.2.1	Amsterdam Schiphol	100	0	0	0	December 2019	Yes	3.2.1	100	0	0	0	December 2019	
2.2.2	Amsterdam Schiphol	0	0	50	50	*		3.2.2	100	0	0	0	December 2019	
2.3.1	Amsterdam Schiphol	61	34	5	0	December 2025	Yes	4.1.1	100	0	0	0	December 2023	
4.2.2	Amsterdam Schiphol	83	14	3	0	December 2024	Yes	4.2.1	100	0	0	0	October 2023	
4.4.1	Amsterdam Schiphol	0	0	80	20	*		4.3.1	100	0	0	0	July 2017	
								5.2.1	1	12	81	6	*	
								5.3.1	3	31	49	17	*	Yes
								5.4.1	15	41	44	0	December 2025	
								5.5.1	8	0	92	0	December 2025	
								5.6.1	0	0	100	0	December 2025	
								6.1.2	100	0	0	0	December 2022	
								6.3.1	3	22	75	0	December 2027	

Chart Key

- Completed Gaps
- Foreseen implementation beyond CP1 deadline

* The remaining scope of the Gap is Not yet Planned

List of CEF-funded initiatives awarded to Stakeholders

Reference Number	CEF Project Title	Implementing Partners	Closed
#107AF1	First phase of RNAV1 and RNP- APCH approaches Amsterdam Schiphol (EHAM)	LVNL	✓
#108AF2	Electronic Flight Strips at Schiphol TWR	LVNL	✓
#109AF2	Airport CDM implementation Schiphol	KLM	✓
#109AF2	Airport CDM implementation Schiphol	LVNL	✓
#109AF2	Airport CDM implementation Schiphol	SNBV	✓
#110AF5	Meteorological Information Exchange by MET ANSP KNMI	KNMI	✓
2015_137_AF5	European Meteorological Aircraft Derived Data Center (EMADDC)	KNMI	
2015_165_AF1	Amsterdam Schiphol AMAN 1.0	LVNL	✓
2015_166_AF1	Amsterdam Schiphol AMAN 2.0	LVNL	
2015_167_AF4	Workload model for Amsterdam Area Control and Approach Control operations	LVNL	
2015_168_AF5	Implementation of Aeronautical Data Quality (ADQ) at LVNL	LVNL	✓
2015_169_AF5	Initial (I)WXMM implementation on CCIS Amsterdam ACC and Schiphol	LVNL	✓
2015_174_AF5_A	NewPENS Stakeholders contribution for the procurement and deployment of NewPENS - Part A: General Call	LVNL	✓
2015_178_AF2	Implementation of AOP Schiphol Airport	KNMI	✓
2015_178_AF2	Implementation of AOP Schiphol Airport	SNBV	✓
2015_179_AF4	Implementation of APOC Schiphol Airport	KNMI	✓
2015_179_AF4	Implementation of APOC Schiphol Airport	SNBV	✓
2015_186_AF1	RNP approaches to three main landing runways Amsterdam Schiphol	LVNL	✓
2015_187_AF2	TWR System at Amsterdam Schiphol	LVNL	
2015_190_AF3	Deployment of Air Traffic Control System ICAS: Implementation of ATM PCP Functionalities at LVNL and DFS	LVNL	
2015_196_AF1_A	XMAN - Cross-centre arrival management	LVNL	✓
2015_253_AF1_A_AIR	RNP 1.0, RNP 0.3 & SBAS FOR E3A AWACS FOR CEF ELIGIBLE NATIONS AND THIRD PARTY (Production and Retrofit)	NAPMA	✓
2015_253_AF1_A_GND	RNP 1.0, RNP 0.3 & SBAS FOR E3A AWACS FOR CEF ELIGIBLE NATIONS AND THIRD PARTY (Flight Simulator Training Device upgrade and AirCrew Training)	NAPMA	✓
2015_253_AF1_B	RNP 1.0, RNP 0.3 & SBAS FOR E3A AWACS FOR COHESION ELIGIBLE STATES	NAPMA	✓
2016_023_AF1	XMAN - Cross-centre arrival management - Part 2 (CEF2016)	LVNL	
2016_026_AF3	System Procurement for Deployment of PCP Air Traffic Control System ICAS at DFS and LVNL	LVNL	
2016_027_AF5	European Deployment Roadmap for Flight Object Interoperability	LVNL	✓
2016_131_AF4	AOP-NOP Integration - Extended Implementation	SNBV	
2016_143_AF5	ATM Network 2.0 Amsterdam	LVNL	
2016_150_AF2_GND	Enablers for Airport Surface Movement related to Safety Nets	SNBV	
2016_159_AF6	DLS Implementation Project - Path 2	SITA	✓
2016_161_AF6	DLS Implementation Project - Path 1 Ground stakeholders	SITA	✓
2017_031_AF3	Procurement and Deployment of PCP Air Traffic Control System ICAS at DFS Munich and Bremen and LVNL Amsterdam	LVNL	
2017_063_AF2	A-SMGCS High Performance Surveillance enhancement in view to support routing & planning functions implementation	LVNL	
2017_064_AF1	Final phase RNP APCH procedures Amsterdam Schiphol	LVNL	✓
2017_065_AF5	LVNL Nation wide managed network supporting SWIM	LVNL	
2017_084_AF5	SWIM Common PKI and policies & procedures for establishing a Trust framework	LVNL	✓
2017_089_AF6	IP1 - DLS European Target Solution assessment	SITA	✓
2022_014_AF5	Acceleration of Aeronautical Digital Information Availability (ACADIA)	SNBV	
2022_035_AF5	FF-JCE R1 - eFPL	KLM	



Netherlands

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Number of SWIM Services **19**

Current status of implementation

- Completed
- Ongoing
- Planned
- Not yet Planned



Family	Service	Completed (%)	Ongoing (%)	Planned (%)	Not Yet Planned (%)	Completion date	CEF Projects
5.3.1	Information Exchange - Airspace Reservation (ARES)	3	22	75	0	December 2025	No
5.3.1	Information Exchange - Aerodrome mapping service	10	90	0	0	December 2025	No
5.3.1	Information Exchange - Aeronautical Information Features service	8	72	20	0	December 2025	Yes
5.3.1	Information Exchange - Airspace Availability Service	0	0	100	0	December 2025	No
5.3.1	Information Exchange - Airspace structure service	0	0	100	0	December 2025	No
5.3.1	Information Exchange – Digital NOTAM service	0	0	0	100	*	No
5.4.1	Information Exchange - Aerodrome Meteorological information Service	46	37	17	0	December 2025	Yes
5.4.1	Information Exchange - En-Route and Approach Meteorological information service	9	78	13	0	December 2025	Yes
5.4.1	Information Exchange - Network Meteorological Information	5	48	47	0	December 2025	No
5.4.1	Information Exchange - Volcanic Ash Mass Concentration information service	0	0	100	0	December 2025	No
5.5.1	Network Information Exchange - ATFCM Tactical Updates Service (Airport Capacity and Enroute)	0	0	100	0	December 2025	No
5.5.1	Network Information Exchange – Counts service (ATFCM Congestion Points)	0	0	100	0	December 2025	No
5.5.1	Network Information Exchange – Flight Management Service (Slots and NOP/AOP integration)	38	0	62	0	December 2025	No
5.5.1	Network Information Exchange – Measures Service (Traffic Regulation)	0	0	100	0	December 2025	No
5.5.1	Network Information Exchange - Short Term ATFCM Measures services (MCDM, eHelpdesk, STAM measures)	0	0	100	0	December 2025	No
5.6.1	Information Exchange (Yellow Profile) - Data Publication Service	0	0	100	0	December 2025	No
5.6.1	Information Exchange (Yellow Profile) - Extended AMAN SWIM Service	0	0	100	0	December 2025	No
5.6.1	Information Exchange (Yellow Profile) - Flight Data Request Service	0	0	100	0	December 2025	No
5.6.1	Information Exchange (Yellow Profile) - Notification Service	0	0	100	0	December 2025	No

Chart Key



* The remaining scope of the Gap is Not yet Planned

Network Manager



Network Manager

Stakeholder Implementation Status

■ Completed with CEF funding	■ Ongoing with CEF funding	■ Not yet planned
■ Completed without CEF funding	■ Ongoing without CEF funding	■ Not applicable
■ Fully covered by CEF funding	■ Planned	

Family	Completed (%)	Ongoing (%)	Planned (%)	Not Yet Planned (%)	Implementation date	Network Manager
3.1.1	100	0	0	0	December 2022	■
3.1.2	100	0	0	0	December 2022	■
3.2.1	100	0	0	0	December 2022	■
3.2.2	100	0	0	0	December 2022	■
4.1.1	100	0	0	0	April 2023	■
4.2.1	100	0	0	0	December 2022	■
4.2.2	0	0	0	0	December 2023	■
4.3.1	100	0	0	0	December 2022	■
4.4.1	15	0	0	85	December 2027	■
5.2.1	90	10	0	0	December 2024	■
5.3.1	100	0	0	0	December 2021	■
5.4.1	0	0	0	100	*	■
5.5.1	100	0	0	0	December 2021	■
5.6.1	100	0	0	0	December 2022	■
6.2.1	0	0	0	100	*	■
6.3.1	20	0	0	80	December 2027	■

* The remaining scope of the Gap is Not yet Planned

List of CEF-funded initiatives awarded to Network Manager

Reference Number	CEF Project Title	Implementing Partners	Closed
#073AF5	SWIM Common Components	EUROCONTROL/NM	✓
#077AF4	Interactive Rolling NOP	EUROCONTROL/NM	✓
#078AF4	ATFCM measures (STAM)	EUROCONTROL/NM	✓
#079AF4	Trajectory accuracy and traffic complexity	EUROCONTROL/NM	✓
#080AF3	ASMAFUA Implementation	EUROCONTROL/NM	✓
#081AF3	NM DCT/FRA Implementation and support	EUROCONTROL/NM	✓
#082AF5	SWIM compliance of NM systems	EUROCONTROL/NM	✓
#083AF1	AMAN extended to en-route	EUROCONTROL/NM	✓
2015_067_AF5	European Weather Radar Composite of Convection Information Service	EUROCONTROL/NM	✓
2015_068_AF5	European Harmonised Forecasts of Adverse Weather (Icing, Turbulence, Convection and Winter weather)	EUROCONTROL/NM	✓
2015_069_AF5	European MET Information Exchange (MET-GATE)	EUROCONTROL/NM	✓
2015_101_AF1	Network Support to extended Arrival Management	EUROCONTROL/NM	✓
2015_105_AF4	Interactive Rolling Network Operations Planning	EUROCONTROL/NM	✓
2015_106_AF4	Flight evolution and upgrade of interfaces with NM stakeholders	EUROCONTROL/NM	✓
2015_107_AF3	NM Systems upgrades in support of DCTs and FRA	EUROCONTROL/NM	✓
2015_110_AF4	STAM Phase 2 (NM)	EUROCONTROL/NM	✓
2015_112_AF5	Integrate the Aeronautical Information Exchange Services in NM Systems	EUROCONTROL/NM	✓
2015_113_AF4	AOP-NOP Integrations	EUROCONTROL/NM	✓
2015_114_AF4	Implementation of Target Times for ATFCM purposes (NM)	EUROCONTROL/NM	✓
2015_115_AF4	Traffic Complexity Management	EUROCONTROL/NM	✓
2015_117_AF5	Improve NM SWIM Infrastructure	EUROCONTROL/NM	✓
2015_141_AF5	Improve NM Flight Information Exchange Services	EUROCONTROL/NM	✓
2015_143_AF5	Improve Cooperative Network Information Exchange Services	EUROCONTROL/NM	✓
2015_145_AF5_A	AIM Deployment Toolkit	EUROCONTROL/NM	✓
2015_174_AF5_A	NewPENS Stakeholders contribution for the procurement and deployment of NewPENS - Part A: General Call	EUROCONTROL/NM	✓
2015_174_AF5_B	NewPENS Stakeholders contribution for the procurement and deployment of NewPENS - Part B: Cohesion Call	EUROCONTROL/NM	✓
2015_196_AF1_A	XMAN - Cross-centre arrival management	EUROCONTROL/NM	✓
2015_232_AF2	TBS4LOWW (Time Based Separation for Vienna Airport)	EUROCONTROL/NM	✓
2015_319_AF5	SWIM Common Components - Phase 2	EUROCONTROL/NM	✓
2016_023_AF1	XMAN - Cross-centre arrival management - Part 2 (CEF2016)	EUROCONTROL/NM	✓
2016_027_AF5	European Deployment Roadmap for Flight Object Interoperability	EUROCONTROL/NM	✓
2016_129_AF5	NewPENS Stakeholders contribution for the procurement and deployment of NewPENS	EUROCONTROL/NM	✓
2016_131_AF4	AOP-NOP Integration - Extended Implementation	EUROCONTROL/NM	✓
2016_133_AF3	NM system management of real time airspace data	EUROCONTROL/NM	✓
2016_134_AF3	Implementation of rolling ASM/ATFCM	EUROCONTROL/NM	✓
2016_135_AF3	Implementation of pre-defined airspace configuration	EUROCONTROL/NM	✓
2016_141_AF5	Deploy SWIM governance	EUROCONTROL/NM	✓
2017_037_AF2	TBS deployment at Paris CDG	EUROCONTROL/NM	✓
2017_052_AF4	AOP-NOP Integration - Extended Implementation	EUROCONTROL/NM	✓

List of CEF-funded initiatives awarded to Network Manager			
Reference Number	CEF Project Title	Implementing Partners	Closed
2017_053_AF3	Implementation of rolling ASM/ATFCM	EUROCONTROL/NM	✔
2017_054_AF4	Network Collaborative Management	EUROCONTROL/NM	✔
2017_055_AF3	NM Systems upgrades in support of FRA	EUROCONTROL/NM	✔
2017_056_AF5	Towards Shared Business Trajectory / Trajectory Based Operations	EUROCONTROL/NM	
2017_058_AF2	ITWP4LOWW (Integrated Tower Working Position for Vienna Schwechat)	EUROCONTROL/NM	✔
2017_084_AF5	SWIM Common PKI and policies & procedures for establishing a Trust framework	EUROCONTROL/NM	✔
2017_089_AF6	IP1 - DLS European Target Solution assessment	EUROCONTROL/NM	✔
2022_014_AF5	Acceleration of Aeronautical Digital Information Availability (ACADIA)	EUROCONTROL	
2022_020_AF5	ASM SWIM	EUROCONTROL	
2022_022_AF2_AF4	BEACON	EUROCONTROL	
2022_035_AF5	FF-JCE R1 - eFPL	EUROCONTROL	

Norway



Norway

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Number of gaps **20**

Current status of implementation

- Completed
- Ongoing
- Planned
- Not yet Planned



Airport Gaps							Country Gaps							
Family	Airport	Completed (%)	Ongoing (%)	Planned (%)	Not Yet Planned (%)	Implementation date	CEF Projects	Family	Completed (%)	Ongoing (%)	Planned (%)	Not Yet Planned (%)	Implementation date	CEF Projects
1.1.1	Oslo Gardermoen	16	15	69	0	December 2025		3.1.1	100	0	0	0	August 2020	
1.2.1	Oslo Gardermoen	0	0	0	100	*		3.1.2	100	0	0	0	June 2020	
2.1.1	Oslo Gardermoen	27	41	32	0	June 2027		3.2.1	100	0	0	0	November 2015	
2.2.2	Oslo Gardermoen	2	13	85	0	December 2027		3.2.2	100	0	0	0	May 2017	
2.3.1	Oslo Gardermoen	23	67	10	0	June 2027		4.1.1	100	0	0	0	June 2023	
4.4.1	Oslo Gardermoen	3	25	72	0	December 2027		4.2.1	100	0	0	0	December 2023	
								4.3.1	95	5	0	0	June 2025	
								5.2.1	15	38	19	28	*	
								5.3.1	41	28	28	3	*	
								5.4.1	0	3	9	88	*	
								5.5.1	0	0	100	0	December 2027	
								5.6.1	0	0	100	0	December 2029	
								6.1.2	0	0	100	0	December 2029	
								6.3.1	0	0	100	0	December 2027	

Chart Key

- Completed Gaps
- Foreseen implementation beyond CP1 deadline

* The remaining scope of the Gap is Not yet Planned

List of CEF-funded initiatives awarded to Stakeholders

Reference Number	CEF Project Title	Implementing Partners	Closed
#020AF3	Borealis Free Route Airspace (Part 1)	Avinor	✓



Norway

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Number of SWIM Services **15**

Current status of implementation

- Completed
- Ongoing
- Planned
- Not yet Planned



Family	Service	Completed (%)	Ongoing (%)	Planned (%)	Not Yet Planned (%)	Completion date	CEF Projects
5.3.1	Information Exchange - Airspace Reservation (ARES)	28	22	50	0	December 2025	No
5.3.1	Information Exchange - Aerodrome mapping service	0	0	100	0	December 2025	No
5.3.1	Information Exchange - Aeronautical Information Features service	8	72	20	0	December 2025	No
5.3.1	Information Exchange - Airspace Availability Service	100	0	0	0	January 2023	No
5.3.1	Information Exchange - Airspace structure service	100	0	0	0	January 2022	No
5.3.1	Information Exchange - Digital NOTAM service	8	72	0	20	*	No
5.4.1	Information Exchange - Aerodrome Meteorological information Service	1	6	13	80	*	No
5.4.1	Information Exchange - En-Route and Approach Meteorological information service	1	6	13	80	*	No
5.4.1	Information Exchange - Network Meteorological Information	0	0	0	100	*	No
5.4.1	Information Exchange - Volcanic Ash Mass Concentration information service	0	0	10	90	*	No
5.5.1	Network Information Exchange - ATFCM Tactical Updates Service (Airport Capacity and Enroute)						
5.5.1	Network Information Exchange - Counts service (ATFCM Congestion Points)						
5.5.1	Network Information Exchange - Flight Management Service (Slots and NOP/AOP integration)	0	0	100	0	December 2027	No
5.5.1	Network Information Exchange - Measures Service (Traffic Regulation)						
5.5.1	Network Information Exchange - Short Term ATFCM Measures services (MCDM, eHelpdesk, STAM measures)						
5.6.1	Information Exchange (Yellow Profile) - Data Publication Service	0	0	100	0	December 2029	No
5.6.1	Information Exchange (Yellow Profile) - Extended AMAN SWIM Service	0	0	100	0	December 2027	No
5.6.1	Information Exchange (Yellow Profile) - Flight Data Request Service	0	0	100	0	December 2029	No
5.6.1	Information Exchange (Yellow Profile) - Notification Service	0	0	100	0	December 2029	No

Chart Key

- Completed SWIM Service
- Foreseen implementation beyond CP1 deadline

* The remaining scope of the Gap is Not yet Planned

Poland



Poland

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Number of gaps **16**

Current status of implementation

- Completed
- Ongoing
- Planned
- Not yet Planned



Airport Gaps							Country Gaps							
Family	Airport	Completed (%)	Ongoing (%)	Planned (%)	Not Yet Planned (%)	Implementation date	CEF Projects	Family	Completed (%)	Ongoing (%)	Planned (%)	Not Yet Planned (%)	Implementation date	CEF Projects
2.2.2	Warsaw Chopin Airport	3	27	70	0	December 2027	Yes	3.1.1	100	0	0	0	December 2022	
4.4.1	Warsaw Chopin Airport	11	17	72	0	December 2027	Yes	3.1.2	100	0	0	0	November 2016	
								3.2.1	100	0	0	0	February 2019	
								3.2.2	100	0	0	0	February 2022	
								4.1.1	100	0	0	0	December 2022	
								4.2.1	100	0	0	0	September 2023	
								4.3.1	100	0	0	0	July 2021	
								5.2.1	11	22	67	0	December 2025	
								5.3.1	55	22	23	0	December 2025	Yes
								5.4.1	2	13	85	0	December 2025	
								5.5.1	4	34	62	0	December 2025	
								5.6.1	0	0	75	25	*	
								6.1.2	0	0	0	100	*	
								6.3.1	0	0	100	0	December 2027	

Chart Key

- Completed Gaps
- Foreseen implementation beyond CP1 deadline

* The remaining scope of the Gap is Not yet Planned

List of CEF-funded initiatives awarded to Stakeholders

Reference Number	CEF Project Title	Implementing Partners	Closed
#131AF3	1st part of the upgrade of the P_21 PEGASUS system to SESAR functionalities - Test and Validation Platform	PANSA	✓
2015_021_AF4	Slot Manager for PCP airports	Sabre Polska	✓
2015_035_AF5	LAN network upgrade	PANSA	✓
2015_038_AF5	The ECG Communication System upgrade	PANSA	✓
2015_106_AF4	Flight evolution and upgrade of interfaces with NM stakeholders	Sabre Polska	✓
2015_107_AF3	NM Systems upgrades in support of DCTs and FRA	Sabre Polska	✓
2015_110_AF4	STAM Phase 2 (NM)	Sabre Polska	✓
2015_114_AF4	Implementation of Target Times for ATFCM purposes (NM)	Sabre Polska	✓
2016_027_AF5	European Deployment Roadmap for Flight Object Interoperability	PANSA	✓
2016_085_AF3	ATM System Upgrade Towards Free Route Airspace	PANSA	✓
2016_087_AF3	iTEC Tests, Validations and Planning (iTEC-TVP)	PANSA	✓
2016_100_AF4	Provision of EFPL data and initial FF-ICE/ 1 readiness	LH Systems Poland	
2016_121_AF3	Free Route	LH Systems Poland	
2016_123_AF4	STAM Phase 2 in combination with Target Times	LH Systems Poland	
2016_129_AF5	NewPENS Stakeholders contribution for the procurement and deployment of NewPENS	PANSA	✓
2016_134_AF3	Implementation of rolling ASM/ATFCM	LH Systems Poland	✓
2016_134_AF3	Implementation of rolling ASM/ATFCM	Sabre Polska	✓
2016_141_AF5	Deploy SWIM governance	PANSA	✓
2016_159_AF6	DLS Implementation Project - Path 2	PANSA	✓
2016_161_AF6	DLS Implementation Project - Path 1 Ground stakeholders	PANSA	✓
2016_162_AF6	IMPLEMENTATION OF DATA LINK SERVICES FOR THE ATM IN FIR WARSAW	PANSA	✓
2017_053_AF3	Implementation of rolling ASM/ATFCM	Sabre Polska	✓
2017_056_AF5	Towards Shared Business Trajectory / Trajectory Based Operations	Sabre Polska	
2017_057_AF4	Local traffic complexity management	PANSA	✓
2017_084_AF5	SWIM Common PKI and policies & procedures for establishing a Trust framework	PANSA	✓
2017_089_AF6	IP1 - DLS European Target Solution assessment	PANSA	✓
2022_014_AF5	Acceleration of Aeronautical Digital Information Availability (ACADIA)	PANSA	
2022_020_AF5	ASM SWIM	PANSA	
2022_022_AF2_AF4	BEACON	Polish Airports State Enterprise	
2022_028_AF3	Cross-border FRA	PANSA	
2022_035_AF5	FF-ICE R1 - eFPL	PANSA	



Poland

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Number of SWIM Services **17**

Current status of implementation

- Completed
- Ongoing
- Planned
- Not yet Planned



Family	Service	Completed (%)	Ongoing (%)	Planned (%)	Not Yet Planned (%)	Completion date	CEF Projects
5.3.1	Information Exchange - Airspace Reservation (ARES)	3	22	75	0	December 2025	Yes
5.3.1	Information Exchange - Aerodrome mapping service						
5.3.1	Information Exchange - Aeronautical Information Features service	64	16	20	0	December 2025	Yes
5.3.1	Information Exchange - Airspace Availability Service	100	0	0	0	December 2018	No
5.3.1	Information Exchange - Airspace structure service	100	0	0	0	December 2018	No
5.3.1	Information Exchange – Digital NOTAM service	8	72	20	0	December 2025	Yes
5.4.1	Information Exchange - Aerodrome Meteorological information Service	3	30	67	0	December 2025	No
5.4.1	Information Exchange - En-Route and Approach Meteorological information service	0	0	100	0	December 2025	No
5.4.1	Information Exchange - Network Meteorological Information	0	0	100	0	December 2025	No
5.4.1	Information Exchange - Volcanic Ash Mass Concentration information service	3	24	73	0	December 2025	No
5.5.1	Network Information Exchange - ATFCM Tactical Updates Service (Airport Capacity and Enroute)	5	45	50	0	December 2025	Yes
5.5.1	Network Information Exchange – Counts service (ATFCM Congestion Points)	0	0	100	0	December 2025	No
5.5.1	Network Information Exchange – Flight Management Service (Slots and NOP/AOP integration)						
5.5.1	Network Information Exchange – Measures Service (Traffic Regulation)	5	45	50	0	December 2025	No
5.5.1	Network Information Exchange - Short Term ATFCM Measures services (MCDM, eHelpdesk, STAM measures)	5	45	50	0	December 2025	No
5.6.1	Information Exchange (Yellow Profile) - Data Publication Service	0	0	100	0	December 2030	Yes
5.6.1	Information Exchange (Yellow Profile) - Extended AMAN SWIM Service	0	0	0	100	*	No
5.6.1	Information Exchange (Yellow Profile) - Flight Data Request Service	0	0	100	0	December 2030	Yes
5.6.1	Information Exchange (Yellow Profile) - Notification Service	0	0	100	0	December 2030	Yes

Chart Key

- Completed SWIM Service
- Foreseen implementation beyond CP1 deadline

* The remaining scope of the Gap is Not yet Planned

Portugal



Portugal

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Number of gaps **15**

Current status of implementation

- Completed
- Ongoing
- Planned
- Not yet Planned



Airport Gaps							Country Gaps							
Family	Airport	Completed (%)	Ongoing (%)	Planned (%)	Not Yet Planned (%)	Implementation date	CEF Projects	Family	Completed (%)	Ongoing (%)	Planned (%)	Not Yet Planned (%)	Implementation date	CEF Projects
2.2.2	Lisbon Humberto Delgado	1	7	92	0	December 2027		3.1.1	100	0	0	0	December 2022	
4.4.1	Lisbon Humberto Delgado	59	37	4	0	December 2026		3.1.2	100	0	0	0	December 2022	
								3.2.1	100	0	0	0	December 2009	
								3.2.2	2	14	84	0	December 2025	
								4.1.1	100	0	0	0	January 2023	
								4.2.1	100	0	0	0	January 2023	
								4.3.1	100	0	0	0	October 2023	
								5.2.1	1	7	92	0	December 2025	
								5.3.1	42	18	40	0	December 2029	Yes
								5.4.1	15	36	49	0	December 2029	
								5.5.1						
								5.6.1	2	10	88	0	December 2030	
								6.1.2	0	0	0	100	*	
								6.3.1	0	0	0	100	*	

Chart Key

- Completed Gaps
- Foreseen implementation beyond CP1 deadline

* The remaining scope of the Gap is Not yet Planned

List of CEF-funded initiatives awarded to Stakeholders

Reference Number	CEF Project Title	Implementing Partners	Closed
#122AF3	FT3.1.1 NAV Portugal - Initial ASM tool to support AFUA	NAV Portugal	✓
#123AF4	FT 4.2.3 NAV Portugal Interface to NMS AFP	NAV Portugal	✓
2015_138_AF5	5.3.1 NAV Portugal - Implementation of a solution for electronic Terrain and Obstacle Data management	NAV Portugal	✓
2015_174_AF5_A	NewPENS Stakeholders contribution for the procurement and deployment of NewPENS - Part A: General Call	NAV Portugal	✓
2015_262_AF5	Aeronautical Data Quality and Exchange	PRTAF	✓
2015_278_AF1	C-130H RNP-1 Avionics Upgrade for 4 A/C	PRTAF	
2015_279_AF1	Falcon 50 RNP-1 Avionics Upgrade for 3 A/C	PRTAF	
2016_027_AF5	European Deployment Roadmap for Flight Object Interoperability	NAV Portugal	✓
2016_061_AF6_AIR	Deployment of ATN B1 capability within TAP Group	PORTUGÁLIA	✓
2016_061_AF6_AIR	Deployment of ATN B1 capability within TAP Group	TAP	✓
2016_061_AF6_GND	Deployment of ATN B1 capability within TAP Group	PORTUGÁLIA	
2016_061_AF6_GND	Deployment of ATN B1 capability within TAP Group	TAP	
2016_069_AF2_AIR	Runway Overrun Prevention System (ROPS) bundled application for TAP	TAP	✓
2016_069_AF2_GND	Runway Overrun Prevention System (ROPS) bundled application for TAP	TAP	✓
2016_071_AF5	PT_Implement a PT Air Force IP Backbone connected into NewPENS	PRTAF	✓
2016_141_AF5	Deploy SWIM governance	NAV Portugal	✓
2016_159_AF6	DLS Implementation Project - Path 2	NAV Portugal	✓
2016_159_AF6	DLS Implementation Project - Path 2	TAP	✓
2016_161_AF6	DLS Implementation Project - Path 1 Ground stakeholders	NAV Portugal	✓
2017_083_AF6_AIR	Portugalia E195 - Deployment of ATN B1 capability	PORTUGÁLIA	✓
2017_083_AF6_GND	Portugalia E195 - Deployment of ATN B1 capability	PORTUGÁLIA	✓
2017_084_AF5	SWIM Common PKI and policies & procedures for establishing a Trust framework	NAV Portugal	✓
2017_089_AF6	IP1 - DLS European Target Solution assessment	NAV Portugal	✓
2022_009_AF3_EUR	Enhanced FAB SW Crossborder Free-Route (EUR)	NAV Portugal	
2022_014_AF5	Acceleration of Aeronautical Digital Information Availability (ACADIA)	NAV Portugal	
2022_020_AF5	ASM SWIM	NAV Portugal	



Portugal

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Number of SWIM Services **13**

Current status of implementation

- Completed
- Ongoing
- Planned
- Not yet Planned



Family	Service	Completed (%)	Ongoing (%)	Planned (%)	Not Yet Planned (%)	Completion date	CEF Projects
5.3.1	Information Exchange - Airspace Reservation (ARES)	0	0	100	0	December 2028	Yes
5.3.1	Information Exchange - Aerodrome mapping service						
5.3.1	Information Exchange - Aeronautical Information Features service	10	80	10	0	December 2025	Yes
5.3.1	Information Exchange - Airspace Availability Service	100	0	0	0	December 2023	Yes
5.3.1	Information Exchange - Airspace structure service	100	0	0	0	March 2023	Yes
5.3.1	Information Exchange – Digital NOTAM service	2	8	90	0	December 2029	Yes
5.4.1	Information Exchange - Aerodrome Meteorological information Service	3	30	67	0	December 2025	No
5.4.1	Information Exchange - En-Route and Approach Meteorological information service	8	72	20	0	December 2028	No
5.4.1	Information Exchange - Network Meteorological Information	29	24	47	0	December 2027	No
5.4.1	Information Exchange - Volcanic Ash Mass Concentration information service	20	20	60	0	December 2029	No
5.5.1	Network Information Exchange - ATFCM Tactical Updates Service (Airport Capacity and Enroute)						
5.5.1	Network Information Exchange – Counts service (ATFCM Congestion Points)						
5.5.1	Network Information Exchange – Flight Management Service (Slots and NOP/AOP integration)						
5.5.1	Network Information Exchange – Measures Service (Traffic Regulation)						
5.5.1	Network Information Exchange - Short Term ATFCM Measures services (MCDM, eHelpdesk, STAM measures)						
5.6.1	Information Exchange (Yellow Profile) - Data Publication Service	0	0	100	0	December 2030	No
5.6.1	Information Exchange (Yellow Profile) - Extended AMAN SWIM Service	10	39	51	0	December 2027	No
5.6.1	Information Exchange (Yellow Profile) - Flight Data Request Service	0	0	100	0	December 2030	No
5.6.1	Information Exchange (Yellow Profile) - Notification Service	0	0	100	0	December 2030	No

Chart Key



Romania



Romania

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Number of gaps **14**

Current status of implementation

- Completed
- Ongoing
- Planned
- Not yet Planned



Airport Gaps								Country Gaps						
Family	Airport	Completed (%)	Ongoing (%)	Planned (%)	Not Yet Planned (%)	Implementation date	CEF Projects	Family	Completed (%)	Ongoing (%)	Planned (%)	Not Yet Planned (%)	Implementation date	CEF Projects
								3.1.1	100	0	0	0	December 2022	
								3.1.2	100	0	0	0	December 2021	
								3.2.1	100	0	0	0	November 2013	
								3.2.2	100	0	0	0	November 2019	
								4.1.1	100	0	0	0	November 2022	
								4.2.1	100	0	0	0	December 2023	
								4.3.1	100	0	0	0	December 2022	
								5.2.1	2	18	50	30	*	
								5.3.1	39	33	20	8	*	
								5.4.1	7	48	10	35	*	
								5.5.1	5	8	87	0	December 2025	
								5.6.1	25	25	50	0	December 2025	
								6.1.2	0	0	0	100	*	
								6.3.1	0	0	100	0	December 2027	

Chart Key

- Completed Gaps
- Foreseen implementation beyond CP1 deadline

* The remaining scope of the Gap is Not yet Planned

List of CEF-funded initiatives awarded to Stakeholders

Reference Number	CEF Project Title	Implementing Partners	Closed
#134AF5	PILOT PLATFORM for access services to OPMET (worldwide/ECAC) data (METAR, TAF, SIGMET) in WXXM format	ROMATSA	✔
2015_174_AF5_B	NewPENS Stakeholders contribution for the procurement and deployment of NewPENS - Part B: Cohesion Call	ROMATSA	✔
2017_084_AF5	SWIM Common PKI and policies & procedures for establishing a Trust framework	ROMATSA	✔
2022_035_AF5	FF-JCE R1 - eFPL	ROMATSA	



Romania

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Number of SWIM Services **16**

Current status of implementation

- Completed
- Ongoing
- Planned
- Not yet Planned



Family	Service	Completed (%)	Ongoing (%)	Planned (%)	Not Yet Planned (%)	Completion date	CEF Projects
5.3.1	Information Exchange - Airspace Reservation (ARES)	0	0	100	0	December 2025	No
5.3.1	Information Exchange - Aerodrome mapping service						
5.3.1	Information Exchange - Aeronautical Information Features service	64	16	0	20	*	No
5.3.1	Information Exchange - Airspace Availability Service	10	90	0	0	December 2025	No
5.3.1	Information Exchange - Airspace structure service	55	45	0	0	December 2025	No
5.3.1	Information Exchange - Digital NOTAM service	64	16	0	20	*	No
5.4.1	Information Exchange - Aerodrome Meteorological information Service	7	59	0	34	*	Yes
5.4.1	Information Exchange - En-Route and Approach Meteorological information service	6	53	0	41	*	Yes
5.4.1	Information Exchange - Network Meteorological Information	5	48	0	47	*	No
5.4.1	Information Exchange - Volcanic Ash Mass Concentration information service	8	32	40	20	*	No
5.5.1	Network Information Exchange - ATFCM Tactical Updates Service (Airport Capacity and Enroute)	20	30	50	0	December 2025	No
5.5.1	Network Information Exchange - Counts service (ATFCM Congestion Points)	0	0	100	0	December 2025	No
5.5.1	Network Information Exchange - Flight Management Service (Slots and NOP/AOP integration)	0	0	100	0	December 2025	No
5.5.1	Network Information Exchange - Measures Service (Traffic Regulation)	0	0	100	0	December 2025	No
5.5.1	Network Information Exchange - Short Term ATFCM Measures services (MCDM, eHelpdesk, STAM measures)						
5.6.1	Information Exchange (Yellow Profile) - Data Publication Service	25	25	50	0	December 2025	Yes
5.6.1	Information Exchange (Yellow Profile) - Extended AMAN SWIM Service						
5.6.1	Information Exchange (Yellow Profile) - Flight Data Request Service	25	25	50	0	December 2025	Yes
5.6.1	Information Exchange (Yellow Profile) - Notification Service	25	25	50	0	December 2025	Yes

Chart Key

- Completed SWIM Service
- Foreseen implementation beyond CP1 deadline

* The remaining scope of the Gap is Not yet Planned

Slovak Republic



Slovak Republic

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Number of gaps 13

Current status of implementation

- Completed
- Ongoing
- Planned
- Not yet Planned



Airport Gaps								Country Gaps						
Family	Airport	Completed (%)	Ongoing (%)	Planned (%)	Not Yet Planned (%)	Implementation date	CEF Projects	Family	Completed (%)	Ongoing (%)	Planned (%)	Not Yet Planned (%)	Implementation date	CEF Projects
								3.1.1	100	0	0	0	December 2022	
								3.1.2	100	0	0	0	December 2022	
								3.2.1	100	0	0	0	December 2018	
								3.2.2	100	0	0	0	January 2021	
								4.1.1	100	0	0	0	December 2022	
								4.2.1	100	0	0	0	December 2023	
								4.3.1	88	12	0	0	April 2024	
								5.2.1	24	33	43	0	December 2025	
								5.3.1	46	45	9	0	December 2025	
								5.4.1	6	45	49	0	December 2025	
								5.5.1						
								5.6.1	0	0	75	25	*	
								6.1.2	3	22	75	0	December 2027	
								6.3.1	3	22	75	0	December 2027	

Chart Key

Completed Gaps

Foreseen implementation beyond CP1 deadline

* The remaining scope of the Gap is Not yet Planned

List of CEF-funded initiatives awarded to Stakeholders

Reference Number	CEF Project Title	Implementing Partners	Closed
#102AF3	Free route airspace from the Black Forest to the Black Sea	LPS	✓
2015_174_AF5_B	NewPENS Stakeholders contribution for the procurement and deployment of NewPENS - Part B: Cohesion Call	LPS	✓
2015_234_AF1_B	AMAN LOWW initial	LPS	✓
2016_075_AF3_B	FAB CE wide Study of DAM and STAM - Cohesion Call	LPS	✓
2016_141_AF5	Deploy SWIM governance	LPS	✓
2016_159_AF6	DLS Implementation Project - Path 2	LPS	✓
2017_084_AF5	SWIM Common PKI and policies & procedures for establishing a Trust framework	LPS	✓



Slovak Republic

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Number of SWIM Services **13**

Current status of implementation

● Completed

● Ongoing

● Planned

● Not yet Planned



Family	Service	Completed (%)	Ongoing (%)	Planned (%)	Not Yet Planned (%)	Completion date	CEF Projects
5.3.1	Information Exchange - Airspace Reservation (ARES)	11	64	25	0	December 2025	No
5.3.1	Information Exchange - Aerodrome mapping service						
5.3.1	Information Exchange - Aeronautical Information Features service	10	80	10	0	December 2025	No
5.3.1	Information Exchange - Airspace Availability Service	100	0	0	0	November 2021	No
5.3.1	Information Exchange - Airspace structure service	100	0	0	0	November 2021	No
5.3.1	Information Exchange - Digital NOTAM service	10	80	10	0	December 2025	No
5.4.1	Information Exchange - Aerodrome Meteorological information Service	6	56	38	0	December 2025	No
5.4.1	Information Exchange - En-Route and Approach Meteorological information service	6	53	41	0	December 2025	No
5.4.1	Information Exchange - Network Meteorological Information	3	30	67	0	December 2025	No
5.4.1	Information Exchange - Volcanic Ash Mass Concentration information service	10	40	50	0	December 2025	No
5.5.1	Network Information Exchange - ATFCM Tactical Updates Service (Airport Capacity and Enroute)						
5.5.1	Network Information Exchange - Counts service (ATFCM Congestion Points)						
5.5.1	Network Information Exchange - Flight Management Service (Slots and NOP/AOP integration)						
5.5.1	Network Information Exchange - Measures Service (Traffic Regulation)						
5.5.1	Network Information Exchange - Short Term ATFCM Measures services (MCDM, eHelpdesk, STAM measures)						
5.6.1	Information Exchange (Yellow Profile) - Data Publication Service	0	0	100	0	December 2027	No
5.6.1	Information Exchange (Yellow Profile) - Extended AMAN SWIM Service	0	0	0	100	*	No
5.6.1	Information Exchange (Yellow Profile) - Flight Data Request Service	0	0	100	0	December 2027	No
5.6.1	Information Exchange (Yellow Profile) - Notification Service	0	0	100	0	December 2027	No

Chart Key



* The remaining scope of the Gap is Not yet Planned

Slovenia



Slovenia

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Number of gaps 14

Current status of implementation

- Completed
- Ongoing
- Planned
- Not yet Planned



Airport Gaps								Country Gaps						
Family	Airport	Completed (%)	Ongoing (%)	Planned (%)	Not Yet Planned (%)	Implementation date	CEF Projects	Family	Completed (%)	Ongoing (%)	Planned (%)	Not Yet Planned (%)	Implementation date	CEF Projects
								3.1.1	100	0	0	0	December 2022	
								3.1.2	100	0	0	0	December 2022	
								3.2.1	100	0	0	0	November 2016	
								3.2.2	100	0	0	0	November 2016	
								4.1.1	100	0	0	0	December 2022	
								4.2.1	100	0	0	0	August 2023	
								4.3.1	100	0	0	0	November 2023	
								5.2.1	25	46	29	0	December 2025	
								5.3.1	8	74	18	0	December 2025	
								5.4.1	33	46	21	0	December 2025	
								5.5.1	0	0	100	0	October 2025	
								5.6.1	19	19	37	25	*	
								6.1.2	0	0	100	0	December 2027	
								6.3.1	0	0	100	0	December 2027	

Chart Key

Completed Gaps

Foreseen implementation beyond CP1 deadline

* The remaining scope of the Gap is Not yet Planned

List of CEF-funded initiatives awarded to Stakeholders

Reference Number	CEF Project Title	Implementing Partners	Closed
#102AF3	Free route airspace from the Black Forest to the Black Sea	FAB CE (Hungarocontrol affiliate)	✓
#102AF3	Free route airspace from the Black Forest to the Black Sea	Slovenia Control	✓
2015_174_AF5_A	NewPENS Stakeholders contribution for the procurement and deployment of NewPENS - Part A: General Call	Slovenia Control	✓
2016_030_AF6	Air Ground Datalink Implementation	Slovenia Control	✓
2016_075_AF3_A	FAB CE wide Study of DAM and STAM - General Call	FABCE	✓
2016_075_AF3_A	FAB CE wide Study of DAM and STAM - General Call	Slovenia Control	✓
2016_075_AF3_B	FAB CE wide Study of DAM and STAM - Cohesion Call	FABCE	✓
2017_084_AF5	SWIM Common PKI and policies & procedures for establishing a Trust framework	Slovenia Control	✓

Number of SWIM Services **14**

Current status of implementation

● Completed
● Ongoing
● Planned
● Not yet Planned

12

1 1

Family	Service	Completed (%)	Ongoing (%)	Planned (%)	Not Yet Planned (%)	Completion date	CEF Projects
5.3.1	Information Exchange - Airspace Reservation (ARES)	5	45	50	0	December 2025	No
5.3.1	Information Exchange - Aerodrome mapping service						
5.3.1	Information Exchange - Aeronautical Information Features service	8	72	20	0	December 2025	No
5.3.1	Information Exchange - Airspace Availability Service	10	90	0	0	December 2025	No
5.3.1	Information Exchange - Airspace structure service	10	90	0	0	December 2025	No
5.3.1	Information Exchange - Digital NOTAM service	8	72	20	0	December 2025	No
5.4.1	Information Exchange - Aerodrome Meteorological information Service	33	59	8	0	December 2025	No
5.4.1	Information Exchange - En-Route and Approach Meteorological information service	58	29	13	0	December 2025	No
5.4.1	Information Exchange - Network Meteorological Information	33	54	13	0	December 2025	No
5.4.1	Information Exchange - Volcanic Ash Mass Concentration information service	10	40	50	0	December 2025	No
5.5.1	Network Information Exchange - ATFCM Tactical Updates Service (Airport Capacity and Enroute)						
5.5.1	Network Information Exchange - Counts service (ATFCM Congestion Points)						
5.5.1	Network Information Exchange - Flight Management Service (Slots and NOP/AOP integration)	0	0	100	0	October 2025	No
5.5.1	Network Information Exchange - Measures Service (Traffic Regulation)						
5.5.1	Network Information Exchange - Short Term ATFCM Measures services (MCDM, eHelpdesk, STAM measures)						
5.6.1	Information Exchange (Yellow Profile) - Data Publication Service	25	25	50	0	December 2025	No
5.6.1	Information Exchange (Yellow Profile) - Extended AMAN SWIM Service	0	0	0	100	*	No
5.6.1	Information Exchange (Yellow Profile) - Flight Data Request Service	25	25	50	0	December 2025	No
5.6.1	Information Exchange (Yellow Profile) - Notification Service	25	25	50	0	December 2025	No

Chart Key

Completed SWIM Service

Foreseen implementation beyond CP1 deadline

* The remaining scope of the Gap is Not yet Planned

Spain



Spain

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Number of gaps 37

Current status of implementation

- Completed
- Ongoing
- Planned
- Not yet Planned



Airport Gaps							
Family	Airport	Completed (%)	Ongoing (%)	Planned (%)	Not Yet Planned (%)	Implementation date	CEF Projects
1.1.1	Barcelona El Prat	5	55	40	0	December 2025	Yes
1.1.1	Madrid Barajas	6	8	86	0	December 2025	Yes
1.1.1	Palma de Mallorca Son Sant Joan	7	40	53	0	December 2025	Yes
2.1.1	Barcelona El Prat	100	0	0	0	December 2022	Yes
2.1.1	Madrid Barajas	100	0	0	0	December 2022	Yes
2.1.1	Palma de Mallorca Son Sant Joan	100	0	0	0	December 2022	Yes
2.2.1	Barcelona El Prat	100	0	0	0	December 2023	
2.2.1	Madrid Barajas	100	0	0	0	October 2023	
2.2.1	Palma de Mallorca Son Sant Joan	100	0	0	0	December 2023	
2.2.2	Barcelona El Prat	3	27	70	0	December 2027	
2.2.2	Madrid Barajas	3	27	70	0	December 2027	
2.2.2	Palma de Mallorca Son Sant Joan	3	27	70	0	December 2027	
2.2.2	Málaga Costa del Sol	3	27	70	0	December 2027	Yes
2.3.1	Barcelona El Prat	21	9	70	0	December 2025	Yes
2.3.1	Madrid Barajas	21	9	70	0	December 2025	Yes
2.3.1	Palma de Mallorca Son Sant Joan	21	9	70	0	December 2025	Yes
4.2.2	Barcelona El Prat	90	7	3	0	June 2024	Yes
4.2.2	Madrid Barajas	90	7	3	0	January 2024	Yes
4.2.2	Palma de Mallorca Son Sant Joan	90	7	3	0	June 2024	Yes
4.4.1	Barcelona El Prat	3	25	72	0	December 2027	
4.4.1	Madrid Barajas	3	25	72	0	December 2027	
4.4.1	Palma de Mallorca Son Sant Joan	3	25	72	0	December 2027	
4.4.1	Málaga Costa del Sol	3	25	72	0	December 2027	Yes

Country Gaps							
Family	Completed (%)	Ongoing (%)	Planned (%)	Not Yet Planned (%)	Implementation date	CEF Projects	
3.1.1	100	0	0	0	December 2022		
3.1.2	100	0	0	0	November 2022		
3.2.1	100	0	0	0	April 2022		
3.2.2	10	39	51	0	December 2025		
4.1.1	100	0	0	0	December 2022		
4.2.1	100	0	0	0	April 2023		
4.3.1	100	0	0	0	December 2022		
5.2.1	9	19	72	0	December 2025		
5.3.1	38	44	18	0	December 2025	Yes	
5.4.1	14	24	62	0	December 2025		
5.5.1	63	12	25	0	December 2025		
5.6.1	1	7	92	0	December 2028		
6.1.2	0	0	0	100	*		
6.3.1	0	0	0	100	*		

* The remaining scope of the Gap is Not yet Planned

Chart Key

- Completed Gaps
- Foreseen implementation beyond CP1 deadline

List of CEF-funded initiatives awarded to Stakeholders

Reference Number	CEF Project Title	Implementing Partners	Closed
#057AF2a	Fulfillment of the prerequisite EFS for the PCP AF2 Subfunctionality: Airport Integration and Throughput (Phase A)	ENAIRES	✓
#058AF2a	Fulfillment of the prerequisite A-SMGCS 2 for the PCP AF2 Subfunctionality: Airport Integration and Throughput (Phase A)	ENAIRES	✓
#059AF5	Implementation and operation of an IP-based G/G data communication network in ENAIRES	ENAIRES	✓
#060AF1	ENAIRES reference geographic database (FT 1.2.2)	ENAIRES	✓
#061AF1a	RNP APCH Implementation in Palma de Mallorca	ENAIRES	✓
2015_174_AF5_A	NewPENS Stakeholders contribution for the procurement and deployment of NewPENS - Part A: General Call	ENAIRES	✓
2015_210_AF5	AMHS/SWIM gateway	ENAIRES	✓
2015_211_AF2	Fulfillment of the prerequisite A-SMGCS 2 for the PCP AF2 Subfunctionality: Airport Integration and Throughput (2017-2019)	ENAIRES	✓
2015_212_AF2	Fulfillment of the prerequisite EFS for the PCP AF2 Subfunctionality: Airport Integration and Throughput (2017-2019)	ENAIRES	✓
2015_215_AF1	RNP APCH Implementation in Madrid and Barcelona	ENAIRES	✓
2015_221_AF3	Implementation of Voice over IP (VoIP) systems and services in ENAIRES	ENAIRES	✓
2015_271_AF1	SESAR PCP. CECAF RNP Procedures Design	ES AF	✓
2015_272_AF1_AIR	SESAR PCP. CECAF RNP Procedures Implementation (on-board console acquisition and to the equipment and certification of aircraft)	ES AF	✓
2015_272_AF1_GND	SESAR PCP. CECAF RNP Procedures Implementation (pilots and flight operators courses)	ES AF	✓
2016_027_AF5	European Deployment Roadmap for Flight Object Interoperability	ENAIRES	✓
2016_035_AF5	ENAIRES exchange of Aeronautical Information data in AIXM5.1	ENAIRES	✓
2016_036_AF3	Deployment of SACTA-ITEC	ENAIRES	✓
2016_037_AF3	Deployment of LARA System in Spain	ENAIRES	✓
2016_037_AF3	Deployment of LARA System in Spain	ES AF	✓
2016_038_AF5	Implementation of an IP-based G/G data communication network in ENAIRES (REDAN)	ENAIRES	✓
2016_039_AF4	STAM Phase 1 Implementation in Spain	ENAIRES	✓
2016_040_AF3	Upgrade of trajectory management in SACTA-ITEC	ENAIRES	✓
2016_077_AF1	ES_FALCON 900 compliance with RNP 1 and RNP APCH	ES AF	✓
2016_125_AF6_AIR	ES_Airbus A310 ATN VDL2 Compliance	ES AF	✓
2016_125_AF6_GND	ES_Airbus A310 ATN VDL2 Compliance	ES AF	✓
2016_126_AF6_AIR	ES_FALCON 900 compliance with Air Ground ATN VDL2 Data Link	ES AF	✓
2016_126_AF6_GND	ES_FALCON 900 compliance with Air Ground ATN VDL2 Data Link	ES AF	✓
2016_131_AF4	AOP-NOP Integration - Extended Implementation	Aena	✓
2016_141_AF5	Deploy SWIM governance	ENAIRES	✓
2016_159_AF6	DLS Implementation Project - Path 2	ENAIRES	✓
2016_161_AF6	DLS Implementation Project - Path 1 Ground stakeholders	ENAIRES	✓
2017_018_AF5	SWIM-enabled OCC	BAS	✓
2017_049_AF3	Electronic Flight Strip (EFS) in En-Route and TMA in SACTA system	ENAIRES	✓
2017_050_AF3	Controller Working Position (CWP) upgrade	ENAIRES	✓
2017_084_AF5	SWIM Common PKI and policies & procedures for establishing a Trust framework	ES AF	✓
2017_089_AF6	IP1 - DLS European Target Solution assessment	ENAIRES	✓

List of CEF-funded initiatives awarded to Stakeholders

Reference Number	CEF Project Title	Implementing Partners	Closed
2017_400_BLD	Implementation of Voice over IP (VoIP) in Barcelona ACC	ENAIRES	
2022_009_AF3_Canary	Enhanced FAB SW Crossborder Free-Route (Canary)	ENAIRES	
2022_009_AF3_Canary	Enhanced FAB SW Crossborder Free-Route (Canary)	SPAF	
2022_009_AF3_EUR	Enhanced FAB SW Crossborder Free-Route (EUR)	ENAIRES	
2022_009_AF3_EUR	Enhanced FAB SW Crossborder Free-Route (EUR)	SPAF	
2022_014_AF5	Acceleration of Aeronautical Digital Information Availability (ACADIA)	Aena	
2022_014_AF5	Acceleration of Aeronautical Digital Information Availability (ACADIA)	ENAIRES	
2022_020_AF5	ASM SWIM	ENAIRES	
2022_020_AF5	ASM SWIM	SPAF	
2022_022_AF2_AF4	BEACON	Aena	
2022_022_AF2_AF4	BEACON	ENAIRES	



Spain

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Number of SWIM Services **19**

Current status of implementation

- Completed
- Ongoing
- Planned
- Not yet Planned



Family	Service	Completed (%)	Ongoing (%)	Planned (%)	Not Yet Planned (%)	Completion date	CEF Projects
5.3.1	Information Exchange - Airspace Reservation (ARES)	3	22	75	0	December 2025	Yes
5.3.1	Information Exchange - Aerodrome mapping service	10	90	0	0	December 2025	Yes
5.3.1	Information Exchange - Aeronautical Information Features service	10	80	10	0	December 2025	Yes
5.3.1	Information Exchange - Airspace Availability Service	100	0	0	0	January 2020	Yes
5.3.1	Information Exchange - Airspace structure service	100	0	0	0	January 2020	Yes
5.3.1	Information Exchange - Digital NOTAM service	8	72	20	0	December 2025	Yes
5.4.1	Information Exchange - Aerodrome Meteorological information Service	27	32	41	0	December 2025	No
5.4.1	Information Exchange - En-Route and Approach Meteorological information service	24	35	41	0	December 2025	No
5.4.1	Information Exchange - Network Meteorological Information	3	30	67	0	December 2025	No
5.4.1	Information Exchange - Volcanic Ash Mass Concentration information service	0	0	100	0	December 2025	No
5.5.1	Network Information Exchange - ATFCM Tactical Updates Service (Airport Capacity and Enroute)	20	30	50	0	December 2024	No
5.5.1	Network Information Exchange - Counts service (ATFCM Congestion Points)	100	0	0	0	November 2021	No
5.5.1	Network Information Exchange - Flight Management Service (Slots and NOP/AOP integration)	75	0	25	0	December 2025	No
5.5.1	Network Information Exchange - Measures Service (Traffic Regulation)	100	0	0	0	December 2022	No
5.5.1	Network Information Exchange - Short Term ATFCM Measures services (MCDM, eHelpdesk, STAM measures)	20	30	50	0	December 2024	No
5.6.1	Information Exchange (Yellow Profile) - Data Publication Service	0	0	100	0	December 2028	No
5.6.1	Information Exchange (Yellow Profile) - Extended AMAN SWIM Service	3	30	67	0	December 2028	No
5.6.1	Information Exchange (Yellow Profile) - Flight Data Request Service	0	0	100	0	December 2028	No
5.6.1	Information Exchange (Yellow Profile) - Notification Service	0	0	100	0	December 2028	No

Chart Key

- Completed SWIM Service
- Foreshen implementation beyond CP1 deadline

Sweden



Sweden

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Number of gaps 21

Current status of implementation



Airport Gaps							Country Gaps							
Family	Airport	Completed (%)	Ongoing (%)	Planned (%)	Not Yet Planned (%)	Implementation date	CEF Projects	Family	Completed (%)	Ongoing (%)	Planned (%)	Not Yet Planned (%)	Implementation date	CEF Projects
1.1.1	Stockholm Arlanda	65	2	33	0	December 2024	Yes	3.1.1	100	0	0	0	July 2022	
2.1.1	Stockholm Arlanda	76	16	8	0	December 2024	Yes	3.1.2	100	0	0	0	December 2017	
2.2.1	Stockholm Arlanda	83	10	7	0	December 2024	Yes	3.2.1	100	0	0	0	December 2022	
2.2.2	Stockholm Arlanda	2	20	78	0	December 2027		3.2.2	100	0	0	0	June 2016	
2.3.1	Stockholm Arlanda	52	38	10	0	December 2025	Yes	4.1.1	100	0	0	0	December 2021	
4.2.2	Stockholm Arlanda	18	30	52	0	June 2025	Yes	4.2.1	100	0	0	0	December 2023	
4.4.1	Stockholm Arlanda	0	0	0	100	*		4.3.1	100	0	0	0	May 2023	
								5.2.1	34	10	56	0	December 2025	
								5.3.1	57	24	19	0	December 2028	Yes
								5.4.1	9	23	68	0	March 2028	
								5.5.1	50	25	25	0	December 2025	
								5.6.1	6	2	92	0	March 2028	
								6.1.2	0	0	100	0	June 2028	
								6.3.1	0	0	100	0	December 2027	

Chart Key

- Completed Gaps
- Foreseen implementation beyond CP1 deadline

List of CEF-funded initiatives awarded to Stakeholders

Reference Number	CEF Project Title	Implementing Partners	Closed
#020AF3	Borealis Free Route Airspace (Part 1)	LFV	✓
#104AF1	Lower Airspace Optimization	LFV	✓
#136AF2	A-CDM Optimization	Swedavia	✓
#137AF2	Enhancement of Airport Safety Nets at Stockholm Arlanda Airport	Swedavia	✓
2015_025_AF5_A	Sub-regional SWIM MET deployment to support NEFRA (part A)	SMHI	✓
2015_098_AF5	Implementing redundant WAN	LFV	✓
2015_099_AF5	DK-SE FAB Aeronautical Data Quality (ADQ)	LFV	✓
2015_118_AF5	More efficient Flight Planning	LFV	✓
2015_174_AF5_A	NewPENS Stakeholders contribution for the procurement and deployment of NewPENS - Part A: General Call	LFV	✓
2015_207_AF3_A	Harmonisation of Technical ATM Platform in 5 ANSP including support of free Route Airspace and preparation of PCP program. (COOPANS B3.3, B3.4 and B3.5)	COOPANS	✓
2015_207_AF3_A	Harmonisation of Technical ATM Platform in 5 ANSP including support of free Route Airspace and preparation of PCP program. (COOPANS B3.3, B3.4 and B3.5)	LFV	✓
2015_207_AF3_B	Harmonisation of Technical ATM Platform in 5 ANSP including support of free Route Airspace and preparation of PCP program. (COOPANS B3.3, B3.4 and B3.5)	COOPANS	✓
2015_227_AF3_A	Borealis FRA Implementation (Part 2)	LFV	✓
2015_288_AF5	ADQ implementation Stockholm Arlanda	Swedavia	✓
2015_290_AF2	Initial AOP	Swedavia	✓
2015_291_AF2	A-SMGCS Level 2 implementation	Swedavia	✓
2015_292_AF2	DMAN Stockholm Arlanda Airport	Swedavia	✓
2015_294_AF2	Implementation of OTP	Swedavia	✓
2015_309_AF1_AIR	Implementation of GBAS (Technical upgrade of aircraft to GBAS)	Novair	✓
2015_309_AF1_GND	Implementation of GBAS (preparation of GBAS operation in the Flight Operations Department and training of flight crew in GBAS operation)	Novair	✓
2015_320_AF3	Implementation of VoIP	LFV	✓
2016_027_AF5	European Deployment Roadmap for Flight Object Interoperability	LFV	✓
2016_131_AF4	AOP-NOP Integration - Extended Implementation	Swedavia	✓
2016_141_AF5	Deploy SWIM governance	LFV	✓
2016_150_AF2_GND	Enablers for Airport Surface Movement related to Safety Nets	Swedavia	✓
2016_159_AF6	DLS Implementation Project - Path 2	LFV	✓
2016_161_AF6	DLS Implementation Project - Path 1 Ground stakeholders	LFV	✓
2016_166_AF1	Stockholm Arlanda Airport RNP Project (SAARP)	Novair	✓
2016_166_AF1	Stockholm Arlanda Airport RNP Project (SAARP)	Swedavia	✓
2017_022_AF2	Synchronised stakeholder decision on process optimisation at airport level	Swedavia	
2017_060_AF5	ADQ Components in the SWIM Infrastructure - upstream data inclusion in the full data chain solution - ANSP and Airport	Aviseq	
2017_060_AF5	ADQ Components in the SWIM Infrastructure - upstream data inclusion in the full data chain solution - ANSP and Airport	LFV	
2017_060_AF5	ADQ Components in the SWIM Infrastructure - upstream data inclusion in the full data chain solution - ANSP and Airport	Swedavia	
2017_061_AF5	Application of cyber security to ANSP and SWIM services at LFV	Aviseq	
2017_061_AF5	Application of cyber security to ANSP and SWIM services at LFV	LFV	
2017_066_AF5	Implementing harmonised SWIM (Y) solution in COOPANS ANSPs and general PCP compliance	Aviseq	
2017_066_AF5	Implementing harmonised SWIM (Y) solution in COOPANS ANSPs and general PCP compliance	LFV	
2017_075_AF5	SWIMARN - SWIM with Cyber Security at Stockholm Arlanda Airport	Swedavia	
2017_084_AF5	SWIM Common PKI and policies & procedures for establishing a Trust framework	Aviseq	✓
2017_084_AF5	SWIM Common PKI and policies & procedures for establishing a Trust framework	LFV	✓
2017_089_AF6	IP1 - DLS European Target Solution assessment	LFV	✓
2022_014_AF5	Acceleration of Aeronautical Digital Information Availability (ACADIA)	Swedavia	
2022_020_AF5	ASM SWIM	LFV	



Sweden

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Number of SWIM Services **15**

Current status of implementation

● Completed

● Ongoing

● Planned

● Not yet Planned



Family	Service	Completed (%)	Ongoing (%)	Planned (%)	Not Yet Planned (%)	Completion date	CEF Projects
5.3.1	Information Exchange - Airspace Reservation (ARES)	3	22	75	0	December 2028	Yes
5.3.1	Information Exchange - Aerodrome mapping service	10	90	0	0	December 2025	Yes
5.3.1	Information Exchange - Aeronautical Information Features service	64	16	20	0	December 2025	Yes
5.3.1	Information Exchange - Airspace Availability Service	100	0	0	0	December 2023	Yes
5.3.1	Information Exchange - Airspace structure service	100	0	0	0	December 2023	Yes
5.3.1	Information Exchange - Digital NOTAM service	64	16	20	0	December 2025	Yes
5.4.1	Information Exchange - Aerodrome Meteorological information Service	3	30	67	0	December 2025	No
5.4.1	Information Exchange - En-Route and Approach Meteorological information service	32	55	13	0	March 2028	No
5.4.1	Information Exchange - Network Meteorological Information	0	0	100	0	December 2025	No
5.4.1	Information Exchange - Volcanic Ash Mass Concentration information service	2	8	90	0	December 2025	No
5.5.1	Network Information Exchange - ATFCM Tactical Updates Service (Airport Capacity and Enroute)						
5.5.1	Network Information Exchange - Counts service (ATFCM Congestion Points)						
5.5.1	Network Information Exchange - Flight Management Service (Slots and NOP/AOP integration)	50	25	25	0	December 2025	Yes
5.5.1	Network Information Exchange - Measures Service (Traffic Regulation)						
5.5.1	Network Information Exchange - Short Term ATFCM Measures services (MCDM, eHelpdesk, STAM measures)						
5.6.1	Information Exchange (Yellow Profile) - Data Publication Service	0	0	100	0	March 2028	No
5.6.1	Information Exchange (Yellow Profile) - Extended AMAN SWIM Service	25	8	67	0	December 2025	Yes
5.6.1	Information Exchange (Yellow Profile) - Flight Data Request Service	0	0	100	0	March 2028	No
5.6.1	Information Exchange (Yellow Profile) - Notification Service	0	0	100	0	March 2028	No

Chart Key



Switzerland



Switzerland

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Number of gaps **23**

Current status of implementation

- Completed
- Ongoing
- Planned
- Not yet Planned



Airport Gaps							Country Gaps							
Family	Airport	Completed (%)	Ongoing (%)	Planned (%)	Not Yet Planned (%)	Implementation date	CEF Projects	Family	Completed (%)	Ongoing (%)	Planned (%)	Not Yet Planned (%)	Implementation date	CEF Projects
1.1.1	Zürich Kloten	42	9	49	0	December 2025		3.1.1	100	0	0	0	December 2022	
2.1.1	Zürich Kloten	100	0	0	0	December 2021		3.1.2	100	0	0	0	December 2022	
2.2.1	Zürich Kloten	100	0	0	0	December 2023		3.2.1	100	0	0	0	December 2022	
2.2.2	Geneva Airport	5	17	28	50	*		3.2.2	73	10	17	0	April 2025	
2.2.2	Zürich Kloten	40	60	0	0	December 2027		4.1.1	100	0	0	0	December 2017	
2.3.1	Zürich Kloten	28	52	20	0	December 2026		4.2.1	100	0	0	0	December 2023	
4.2.2	Zürich Kloten	20	27	53	0	June 2025		4.3.1	100	0	0	0	December 2021	
4.4.1	Geneva Airport	0	0	0	100	*		5.2.1	37	30	0	33	*	
4.4.1	Zürich Kloten	8	67	25	0	December 2027		5.3.1	35	3	12	50	*	
								5.4.1	55	22	7	16	*	
								5.5.1	44	14	12	30	*	
								5.6.1	4	4	75	17	*	
								6.1.2	0	0	0	100	*	
								6.3.1	0	0	0	100	*	

Chart Key

- Completed Gaps
- Foreseen implementation beyond CP1 deadline

* The remaining scope of the Gap is Not yet Planned

List of CEF-funded initiatives awarded to Stakeholders

Reference Number	CEF Project Title	Implementing Partners	Closed
2016_159_AF6	DLS Implementation Project - Path 2	SITA Switzerland	✓
2016_161_AF6	DLS Implementation Project - Path 1 Ground stakeholders	SITA Switzerland	✓
2017_004_AF1	Flight Crew Training for RNP1 Operations	Swiss	✓
2017_089_AF6	IP1 - DLS European Target Solution assessment	SITA Switzerland	✓



Switzerland

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Number of SWIM Services **19**

Current status of implementation

- Completed
- Ongoing
- Planned
- Not yet Planned



Family	Service	Completed (%)	Ongoing (%)	Planned (%)	Not Yet Planned (%)	Completion date	CEF Projects
5.3.1	Information Exchange - Airspace Reservation (ARES)	10	15	75	0	December 2025	No
5.3.1	Information Exchange - Aerodrome mapping service	0	0	0	100	*	No
5.3.1	Information Exchange - Aeronautical Information Features service	0	0	0	100	*	No
5.3.1	Information Exchange - Airspace Availability Service	100	0	0	0	December 2022	No
5.3.1	Information Exchange - Airspace structure service	100	0	0	0	December 2022	No
5.3.1	Information Exchange - Digital NOTAM service	0	0	0	100	*	No
5.4.1	Information Exchange - Aerodrome Meteorological information Service	68	19	0	13	*	No
5.4.1	Information Exchange - En-Route and Approach Meteorological information service	64	16	0	20	*	No
5.4.1	Information Exchange - Network Meteorological Information	64	16	0	20	*	No
5.4.1	Information Exchange - Volcanic Ash Mass Concentration information service	26	37	27	10	*	No
5.5.1	Network Information Exchange - ATFCM Tactical Updates Service (Airport Capacity and Enroute)	100	0	0	0	**	No
5.5.1	Network Information Exchange - Counts service (ATFCM Congestion Points)	100	0	0	0	**	No
5.5.1	Network Information Exchange - Flight Management Service (Slots and NOP/AOP integration)	13	25	12	50	*	No
5.5.1	Network Information Exchange - Measures Service (Traffic Regulation)	5	45	50	0	December 2025	No
5.5.1	Network Information Exchange - Short Term ATFCM Measures services (MCDM, eHelpdesk, STAM measures)	0	0	0	100	*	No
5.6.1	Information Exchange (Yellow Profile) - Data Publication Service	0	0	100	0	June 2030	No
5.6.1	Information Exchange (Yellow Profile) - Extended AMAN SWIM Service	17	16	0	67	*	No
5.6.1	Information Exchange (Yellow Profile) - Flight Data Request Service	0	0	100	0	June 2030	No
5.6.1	Information Exchange (Yellow Profile) - Notification Service	0	0	100	0	June 2030	No

Chart Key

- Completed SWIM Service
- Foreseen implementation beyond CP1 deadline

* The remaining scope of the Gap is Not yet Planned

** Missing data

List of Acronyms

Acronym	Meaning
A3SG	Aeronautical Information SWIM Service Sub-Group
A4E	Airlines for Europe
ACADIA	Acceleration of Aeronautical Digital Information Availability
ACC	Area Control Center
A-CDM	Airport Collaborative Decision Making
ADS-C	Automatic Dependent Surveillance - Contract
AF	ATM Functionality
AFP	Airborne Flight Plan message
A-FUA	Advanced Flexible Use of Airspace
A/G	Air/Ground
AISP	Aeronautical Information Service Provider
AMA	Arrival Management Message
AMAN	Arrival Manager
ANSP	Air Navigation Service Provider
AO	Airport Operator
AOP	Airport Operations Plan
AoR	Area of Responsibility
APP	Approach
ARES	Airspace Reservation
ASM	AirSpace Management
A-SMGCS	Advanced Surface Movement Guidance and Control System
ATC	Air Traffic Control
ATCO	Air Traffic Control Officer, Air Traffic Controller
ATFCM	Air Traffic Flow and Capacity Management
ATM	Air Traffic Management
ATM MP	Air Traffic Management Master Plan
ATS	Air Traffic Service
ATSU	Air Traffic Service Unit
AU	Airspace User
B2B	Business-to-Business
CA	Certificate Authority
CATC	Conflicting ATC Clearances
CBA	Cost Benefit Analysis
CBCF	Cross Border Convection Forecast
CEF	Connecting Europe Facility
CFSP	Computer Flight Planning Service Providers
CHMI	Collaborative Human Machine Interface
CIAM	CHMI Service for Airspace Management Cells
CINEA	European Climate, Infrastructure and Environment Executive Agency
CMAC	Conformance Monitoring Alerts for Controllers
CO2	carbon dioxide
CP1	Common Project One Reg. (EU) n. 2021/116
DB	Database
DM	Deployment Milestone
DMAN	Departure Management
EACP	European Aviation Common PKI

Acronym	Meaning
EASA	European Union Aviation Safety Agency
EAUP	European Airspace Use Plan
ECAC	European Civil Aviation Conference
EDA	European Defence Agency
eFPL	Extended Flight Plan
EU	European Union
EUUP	European Update airspace Use Plan
FAB	Functional Airspace Block
FDP	Flight Data Processing
FF-ICE	Flight and Flow Information for a Collaborative Environment
FL	Flight Level
FOC	Full Operational Capability
FPL	Flight Plan
FPL2012	ICAO Flight Plan 2012 Format
FRA	Free Route Airspace
IAOP	Initial Airport Operations Plan
IATA	International Air Transport Association
ICAO	International Civil Aviation Organisation
IMT	Information Management Team
LSSIP	Local Single Sky ImPlementation
MCDM	Multi-Criteria Decision-Making
MET	Meteorological
MET3SG	Meteorological SWIM Service Sub Group
MUAC	Maastricht Upper Area Control
NM	Network Manager
nm	Nautical Miles
NM B2B	Network Manager Business-to-Business Web Services
NMP	Network Manager Portal
NOP	Network Operations Plan
NOTAM	Notice to Airmen
OLDI	On-Line Data Interchange
PBN	Performance Based Navigation
PCP	Pilot Common Project Reg. (EU) n. 716/2014
PKI	Public Key Infrastructure
QNH	Mean sea level pressure
RMCA	Runway Monitoring and Conflict Alerting
RAD	Route Availability Document
SDIP	SESAR Deployment Infrastructure Partnership
SDM	SESAR Deployment Manager
SDP	SESAR Deployment Programme
SES	Single European Sky
SESAR	Single European Sky ATM Research
SLoA	Stakeholders' Lines of Action
STAM	Short Term ATFCM Measures
SWIM	System Wide Information Management
TAC	Traditional Alphanumeric Code
TBO	Trajectory-Based Operations
TBS	Time Based Separation

Acronym	Meaning
TMA	Terminal Manoeuvring Area
TSAT	Target Start Approval Time
TTOT	Target Take Off time
VTT	Variable Taxi Time