OBJ AOM19.3 — Full Rolling ASM/ATFCM Process and ASM Information Sharing

The full rolling ASM/ATFCM process focuses on improving airspace planning. It shall ensure a continuous, seamless and reiterative airspace planning and allocation based on airspace requests at any time period within strategic (level1), pre-tactical (level 2) and tactical (level 3) ASM levels; the process will also support the deployment of airspace configurations (as described in objective AOM19.4). It will result in a rolling process, supporting the enhancement of the daily Network Operations Plan (NOP). This will allow airspace users to better benefit from changes in airspace structures closer to the event.

This rolling process will be supported by the sharing of civil-military airspace data and by continuously updating airspace reservation (ARES) information with demand information among the authorized operational stakeholders and Approved Agencies in order to enhance the coordination of cross-border operations and/or cross-border areas, and to optimise the whole network operations based on the mature and most correct information.
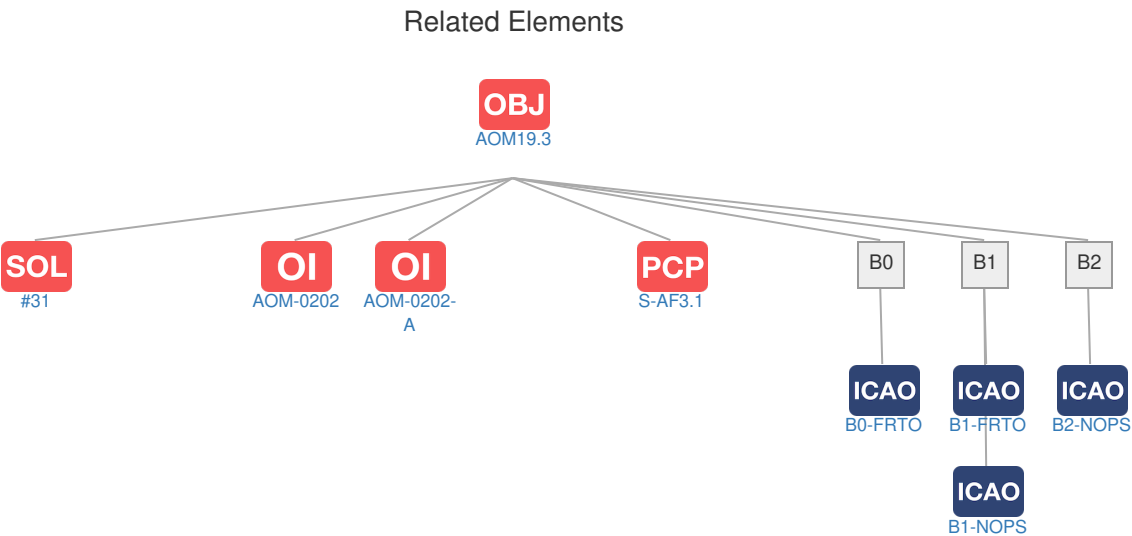
ASM information sharing addresses the required system support improvements able to ensure a seamless and consistent data flow and their management in the frame of the enhanced collaborative decision making (CDM) process. It includes requirements aiming to improve the notification to airspace users based on automated data exchange processes.

ASM procedures and data-sharing shall enable dynamic management of airspace both in a free and fixed route environment.

NOTE FOR MILITARY AUTHORITIES: It is the responsibility of each military authority to review this Objective IN ITS ENTIRETY and address each of the SLoAs that the military authority considers RELEVANT for itself. This has to be done on top and above of the review of "MIL" SLoAs which identify actions EXCLUSIVE to military authorities.

Edition	2022
Stakeholders	Air Navigation Service Provider / Airspace Users / Network Manager
Type	PCP
Scope	ECAC+
Status	Removed

Context

Related Elements

Applicability Area(s) and Timescales

Applicability Area: All ECAC States except: Armenia, Azerbaijan, Georgia, Luxembourg, Malta, Moldova, North Macedonia. Plus: Israel

Timescales	From	By	Applicable to
Initial operational capability	01-01-2014	-	Applicability Area
Full operational capability	-	01-01-2022	Applicability Area

Source: European ATM Portal - **Report produced:** 02-05-2024 - **Date refresh:** 28-09-2023
EATMA data version: EATMA V12.1 - **ATM Master Plan data set version:** Dataset 19 Public - **MP L3 Edition:** MP L3 Plan 2022

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Links to ATM Master Plan Level 2

OI Operational Improvment Steps

Code	Title	IOC	FOC	Related Elements
AOM-0202	Enhanced Real-time Civil-Military Coordination of Airspace Utilisation	31-12-2019	31-12-2023	OI EN OBJ ICAO
AOM-0202-A	Automated Support for strategic, pre-tactical and tactical Civil-Military Coordination in Airspace Management (ASM).	31-12-2020	31-12-2025	SOL OI EN OBJ DS PCP ICAO

SOL Links to SESAR Solutions

Code	Title	Program	Related Elements
#31	Variable profile military reserved areas and enhanced (further automated) civil-military collaboration	SESAR1	SOL OI OBJ DS EOC PCP ICAO

PCP Links to PCP ATM Sub-Functionalities

Code	Title	Related Elements
S-AF3.1	Airspace Management and Advanced Flexible Use of Airspace	SOL OI EN OBJ ICAO

ICAO ICAO Block Modules

Designator		Title	Related Elements
B0			
	B0-FRTO	Improved Operations through Enhanced En-Route Trajectories.	OI OBJ
B1			
	B1-FRTO	Improved Operations through Optimized ATS Routing	SOL OI OBJ PCP
	B1-NOPS	Enhanced Flow Performance through Network Operational Planning	SOL OI OBJ PCP
B2			
	B2-NOPS	Increased user involvement in the dynamic utilisation of the network.	SOL OI OBJ PCP

References

Applicable legislation
- Regulation (EC) No 2150/2005 of 23 December 2005 on Implementation and Application of the Flexible Use of Airspace
- Regulation (EU) No 716/2014 on the establishment of the Pilot Common Project

Applicable ICAO Annexes and other references
None

Deployment Programme 2022
-

Operating Environments
Terminal Airspace
En-Route
Network

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Expected Performance Benefits

Safety	Improved through better co-ordination of civil and military airspace needs at the European Network level. Potential gains through more efficient airspace allocation and better knowledge of traffic environment, common situational awareness, and some enhancement through reduction in controller workload.
Capacity	Increased through better utilization of airspace resources within and across airspace boundaries leading to reduction of flight delays.
Operational efficiency	Increased through the availability of more optimum routes/trajectories allowing lower fuel burn.
Cost efficiency	-
Environment	Emissions reduced through the use of more optimum routes/trajectories.
Security	-

Stakeholder Lines of Action

Code	Title	From	By	Related Enablers
ASP01	Adapt ASM systems to support a full rolling ASM/ATFCM process	01-01-2014	01-01-2022	**EN**
ASP02	Implement procedures and processes for a full rolling ASM/ATFCM process	01-01-2014	01-01-2022	**EN**
USE01	Adapt airspace users systems to improve ASM notification process	01-01-2014	01-01-2022	
USE02	Implement procedures in support of an improved ASM notification process	01-01-2014	01-01-2022	
NM01	Adapt NM systems to support a full rolling ASM/ATFCM process	01-01-2014	01-01-2022	**EN**
NM02	Implement procedures and processes for a full rolling ASM/ATFCM process	01-01-2014	01-01-2022	**EN**
NM03	Improve ASM notification process	01-01-2014	01-01-2022	

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EATMA data version: EATMA V12.1 - **ATM Master Plan data set version:** Dataset 19 Public - **MP L3 Edition:** MP L3 Plan 2022
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Supporting Material

Title	Related SLoAs
EUROCONTROL - Advanced FUA Concept - Edition 1.0 http://www.eurocontrol.int/sites/default/files/publication/files/advanced-fua-concept-v1.0-sept-2015.pdf	ASP01, ASP02, NM01, NM02, NM03, USE01, USE02
EUROCONTROL - European Route Network Improvement Plan (ERNIP) Part 3 - Airspace Management Handbook - Guidelines for Airspace Management - 5.5 / 11/2017 https://www.eurocontrol.int/publication/european-route-network-improvement-plan-ernip-part-3	ASP01, ASP02, NM01, NM02, NM03, USE01, USE02
EUROCONTROL - LARA (Local and sub-Regional Airspace Management Support System) https://www.eurocontrol.int/software/local-and-sub-regional-airspace-management-support-system	ASP01
EUROCONTROL - NOP Portal User Guide - Edition 21.5-119 https://www.eurocontrol.int/sites/default/files/content/documents/nm/network-operations/user-guides/nop-portal-user-guide-current.pdf	ASP01, ASP02, NM01, NM02, NM03, USE01, USE02
EUROCONTROL - SPEC 166 - EUROCONTROL Specification for Airspace Management (ASM) Support System Requirements supporting the ASM processes at local and FAB level Part I - Baseline Requirements - Edition 1.0 / 09/2017 https://www.eurocontrol.int/publication/eurocontrol-specification-airspace-management-asm-support-system-requirements	ASP01, ASP02, NM01, NM02, NM03, USE01, USE02
EUROCONTROL - SPEC-112 - EUROCONTROL Specification for the application of the Flexible Use of Airspace (FUA) - Edition 1.1 / 01/2009 https://www.eurocontrol.int/publication/eurocontrol-specification-application-flexible-use-airspace-fua	ASP01, ASP02, NM01, NM02, USE01, USE02
EUROCONTROL - SPEC-179 - EUROCONTROL Specification for Airspace Management (ASM) Support System Requirements supporting the ASM processes at local and FAB level Part II ASM to ASM Systems Interface Requirements - 1.0 / 01/2020 https://www.eurocontrol.int/publication/eurocontrol-specification-airspace-management-asm-support-system-requirements	ASP01, ASP02, NM01, NM02, NM03, USE01, USE02

Consultation & Approval

Working Arrangement in charge	NETOPS
Outline description approved in	-
Latest objective review at expert level	05/2016
Commitment Decision Body	Provisional Council (PC)
Objective approved/endorsed in	09/2016
Latest change to objective approved/endorsed in	-

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