



AOM19.1 — ASM Support Tools to Support Advanced FUA (AFUA)

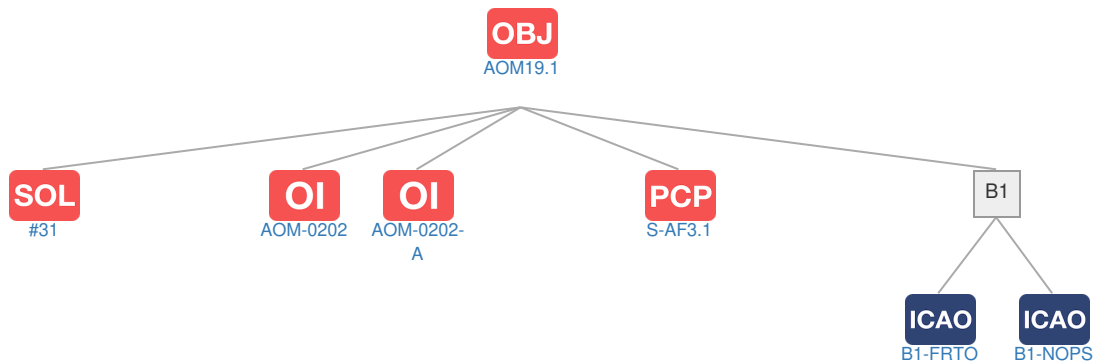
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NOTE FOR MILITARY AUTHORITIES: It is the responsibility of each military authority to review this Objective IN ITS ENTIRETY and address each of the SLoAs that the military authority considers RELEVANT for itself. This has to be done on top and above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

Edition	2019
Stakeholders	Air Navigation Service Provider / Network Manager
Type	PCP
Scope	ECAC+
Status	Active

Context

Related Elements



Applicability Area(s) and Timescales

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








Timescales	From	By	Applicable to
Initial operational capability	01-01-2011	-	Applicability Area
Full operational capability	-	31-12-2018	Applicability Area

Links to ATM Master Plan Level 2






OI Operational Improvement 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 A









Links to SESAR Solutions

Code	Title	Program	Related Elements
#31	Variable profile military reserved areas and enhanced (further automated) civil-military collaboration	SESAR1	      

Links to PCP ATM Sub-Functionalities

Code	Title	Related Elements
S-AF3.1	Airspace Management and Advanced Flexible Use of Airspace	    

ICAO Block Modules

Designator	Title	Related Elements
B1		
B1-FRTO	Improved Operations through Optimized ATS Routing	   
B1-NOPS	Enhanced Flow Performance through Network Operational Planning	   

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 2019

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Operating Environments

Terminal Airspace
En-Route
Network

Expected Performance Benefits

Safety	Improved through better co-ordination of civil and military airspace needs at the European Network level and through a shared real-time airspace status display and enhanced, common situational awareness of all players.
Capacity	Increased through better awareness and 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	Deploy automated ASM support systems	01-01-2011	31-12-2018	EN
ASP02	Implement interoperability of local ASM support system with NM system	01-01-2011	31-12-2018	EN
ASP03	Improve planning and allocation of airspace booking	01-01-2011	31-12-2018	
NM01	Integrate local ASM support systems with NM system	01-01-2011	31-12-2018	EN

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, ASP03, NM01
EUROCONTROL - Civil-military ATM Performance Framework - V1.0 http://www.eurocontrol.int/publications/civil-military-atm-performance-framework	ASP03
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, ASP03, NM01
EUROCONTROL - LARA (Local and sub-Regional Airspace Management Support System) https://www.eurocontrol.int/software/local-and-sub-regional-airspace-management-support-system	ASP01, ASP02, NM01
EUROCONTROL - NM B2B Airspace Services Reference Manual https://www.eurocontrol.int/service/network-manager-business-business-b2b-web-services	ASP02
EUROCONTROL - SPEC 112 - EUROCONTROL Specifications for the application of the Flexible Use of Airspace (FUA) - Edition 1.1 - OJ 2009/C 196/05 / 01/2009 https://www.eurocontrol.int/publication/eurocontrol-specification-application-flexible-use-airspace-fua	ASP01, ASP02, ASP03
EUROCONTROL - SPEC 166 - EUROCONTROL Specification for ASM Support System Requirements supporting the ASM processes at local and FAB level Part I - Baseline Requirements - 1.0 / 09/2017 https://www.eurocontrol.int/sites/default/files/publication/files/esdp_16_002_final_spec_ASM_v1.0.pdf	ASP01, ASP02, ASP03, NM01

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	-