



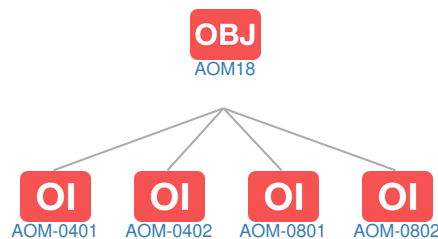
AOM18 — Implement ATS Route Network (ARN) - Version 6

Develop, validate and implement ARN Version 6 in accordance with Advance Airspace Scheme principles and taking into account military requirements to further optimise airspace structures (route/sector and terminal airspace) across airspace boundaries between States and better align routes and sectors with traffic flows to facilitate flexible and dynamic airspace capacity management and offer route options closer to the preferred route. Include development and validation of pre-defined routing and sector configuration scenarios in support of D-MEAN

Edition	2022
Stakeholders	Air Navigation Service Provider / Military / Airspace Users / International Organisations and Regional Bodies
Type	ECIP
Scope	Pan European
Status	Achieved

Context

Related Elements



Applicability Area(s) and Timescales

APP AREA: All ECAC States

Timescales	From	By	Applicable to
Initial operational capability	01-10-2007	-	APP AREA
Full operational capability	-	31-12-2009	APP AREA

Links to ATM Master Plan Level 2

Operational Improvement Steps

Code	Title	IOC	FOC	Related Elements
AOM-0401	Multiple Route Options & Airspace Organisation Scenarios	-	-	OI OBJ ICAO
AOM-0402	Further Improvements to Route Network and Airspace incl. Cross-Border Sectorisation and Further Routing Options	-	-	OBJ ICAO
AOM-0801	Flexible Sectorisation Management	31-12-2006	31-12-2010	EN OBJ ICAO
AOM-0802	Modular Sectorisation Adapted to Variations in Traffic Flows	31-12-2007	31-12-2011	EN OBJ ICAO

Links to SESAR Solutions

Code	Title	Program	Related Elements
No record found			

Links to PCP ATM Sub-Functionalities

Code	Title	Related Elements
No record found		

ICAO Block Modules: No associated data

References

Applicable legislation

Regulation (EC) No 549/2004 of 10 March 2004 laying down the framework for the creation of the single European sky (the framework Regulation)

Applicable ICAO Annexes and other references

Enhanced FUA and dynamic flight plan processing.

Deployment Programme 2022

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Operating Environments

En-Route

Network

Expected Performance Benefits

Safety	Some enhancement through reduction in controller workload.
Capacity	Increased through reduction in conflict points, and specialisation of routes and sectors to enhance productivity and reduce controller workload.
Operational efficiency	-
Cost efficiency	Savings in route distances in some States as well as better fuel efficiency through increased use of preferred flight profiles and improved sectorisation.
Environment	Reductions in emissions through use of more optimal routes.
Security	-

Stakeholder Lines of Action

Code	Title	From	By	Related Enablers
ASP01	Implement national route structure changes	01-10-2007	31-12-2009	
ASP02	Ensure compatibility of en-route and terminal airspace	01-09-2006	31-12-2008	
USE01	Adapt flight planning	01-09-2006	31-12-2009	
INT01	Amend EUR Regional Plan	04-07-2014	31-12-2009	
AGY01	Develop and validate ARN V6	FINALISED		
AGY02	Adapt ATFM processes and procedures	FINALISED		

Supporting Material

Title	Related SLoAs
No record found	

Consultation & Approval

Working Arrangement in charge	NETOPS
Outline description approved in	-
Latest objective review at expert level	10/2007
Commitment Decision Body	Provisional Council (PC)
Objective approved/endorsed in	07/2004
Latest change to objective approved/endorsed in	07/2005