

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

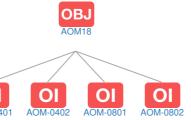
Organisations and Regional Bodies

Type ECIF

Scope Pan European
Status Achieved

Context

Related Elements



Applicability Area(s) and Timescales

APP AREA: All ECAC States

Timescales	From	Ву	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

Ol Operational Improvment 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

Source: European ATM Portal - Report produced: 10-04-2024 - Date refresh: 28-09-2023

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SOL Links to SESAR Solutions

Code Title **Program Related Elements**

No record found

Links to PCP ATM Sub-Functionalities

Title **Related Elements** Code

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

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. Reductions in emissions through use of more optimal routes.

Environment

Security

Stakeholder Lines of Action

Code	Title	From	Ву	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		

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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

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