



AOM-0206-A — Flexible and modular ARES in accordance with the VPA design principle

The new modular design principle for ARES, the Variable Profile Area (VPA) enabling flexible airspace sub divisions, new or revised ARES allocations in close proximity (<10 min flight time) from (military) aerodrome of departure shall be introduced on an harmonised European level. Tailored to the individual mission and ensuring optimum military mission effectiveness, the VPA design principle will allow higher flexibility and increased airspace volume to surrounding traffic improving the DCB process. ARES designed according to VPA can also be activated as an ad-hoc combination of modules. ARES activation as ad hoc configurations within predefined structures at short notice is offered to respond to short-term airspace users' requirements. Changes in the airspace status are not uplinked to the pilot yet but are shared with all other concerned airspace users by the system, i.e. Network Manager (ASM and ATFCM functions), ANSPs, civil and military Airspace Users (FOC/WOC).

Rationale The objective is to better respond to military airspace requirements, ATM and/or meteorological constraints while giving more freedom to GAT flights to select the preferred route trajectories and to achieve more flexibility from both civil and military partners.

Forecast V3 end date -

Benefits start date (IOC) 31-12-2020

Full benefits date (FOC) 01-10-2025

Current Maturity Level V3

Solution Data Quality Index -

Current Maturity Phase R&D

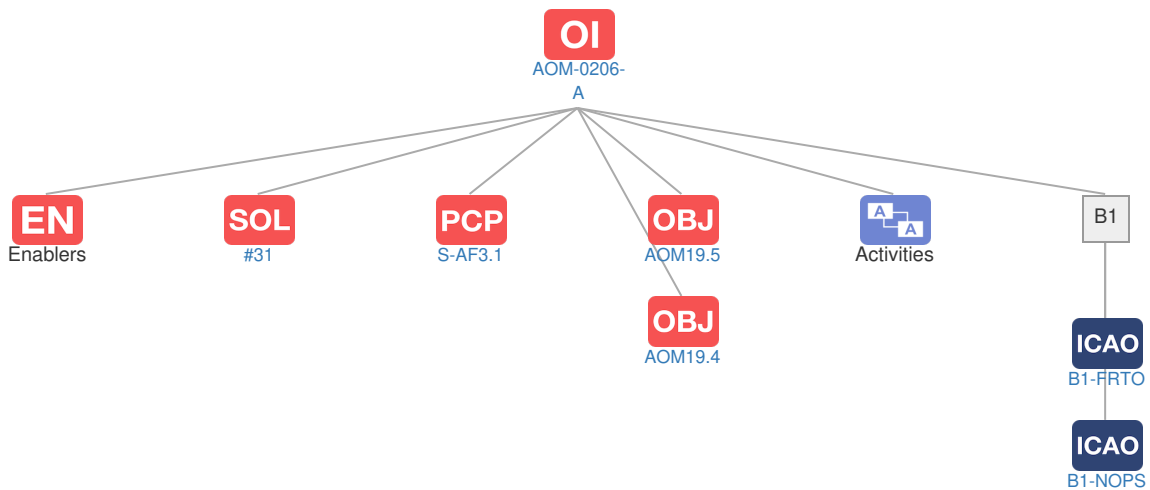
Scope -

Release R5

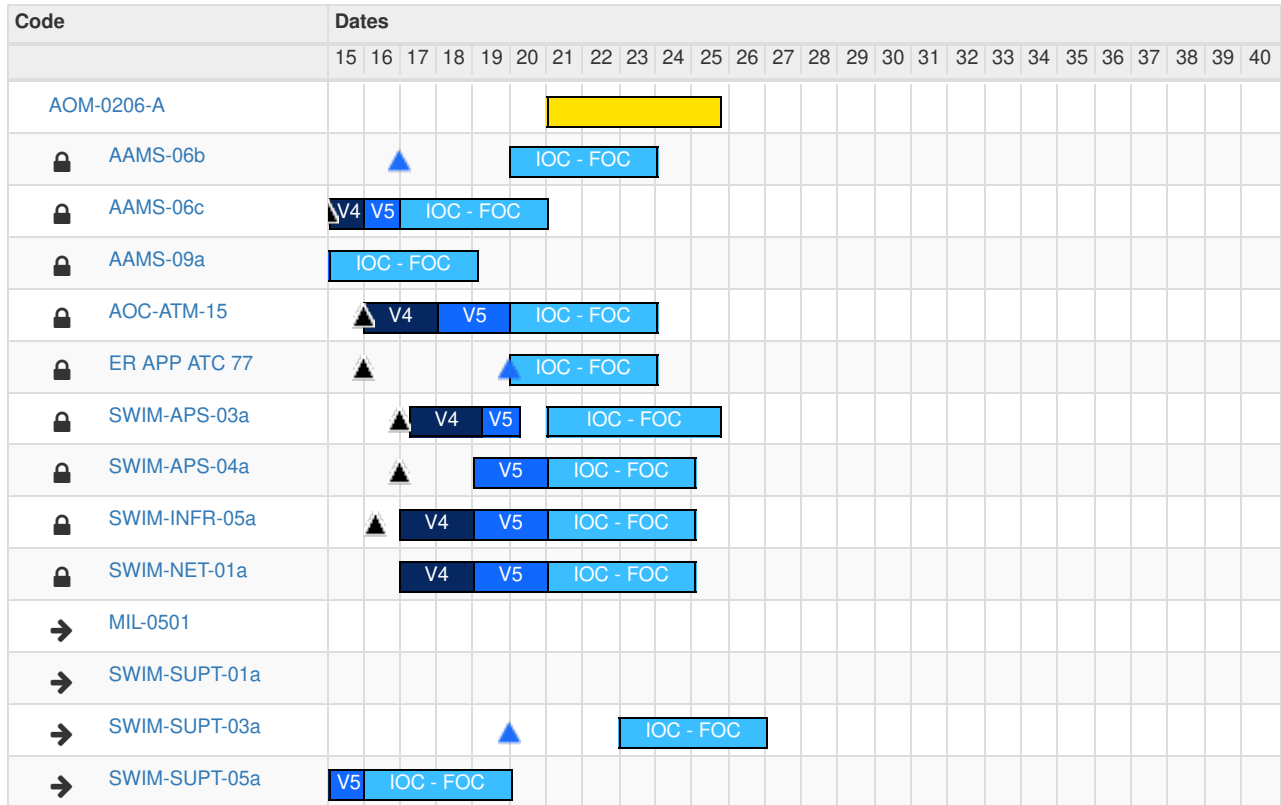
PCP Status PCP

Context

Related Elements



EN Enablers








OI Dependent OI Steps

Relationship	Code	Title	Related Elements
Has predecessor	AOM-0202	Enhanced Real-time Civil-Military Coordination of Airspace Utilisation	OI EN OBJ ICAO
Has predecessor	AOM-0205	Modular Temporary Airspace Structures and Reserved Areas	OI EN OBJ ICAO
Has predecessor	DCB-0203	Enhanced ASM/ATFCM Coordinated Process	OI EN OBJ ICAO
Has successor	AOM-0202-A	Automated Support for strategic, pre-tactical and tactical Civil-Military Coordination in Airspace Management (ASM).	SOL OI EN OBJ DS PCP ICAO
Has successor	AOM-0206-B	Sharing real time airspace information with the aircraft	OI EN
Has successor	SDM-0401	Sub-Regional DCB Common Service (Business Improvement)	SOL OI EN DS


SOL 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 Elements

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

Implementation Objectives

Code	Title	Related Elements
AOM19.5	ASM and A-FUA	
AOM19.4	Management of Predefined Airspace Configurations	  

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	