



AOM-0202-A — Automated Support for strategic, pre-tactical and tactical Civil-Military Coordination in Airspace Management (ASM).

Civil-Military coordination for airspace management (ASM) is enhanced by automated exchange (e.g. B2B services) of ASM data during the strategic phase (static data), pre-tactical phase (medium and short term) and the tactical phase/real time (execution phase). ASM data are shared among all concerned actors: civil and military airspace users (FOC/WOC), Network Management Function (from local AMC level to sub-regional and regional level) and ATC actors.

The AFUA CDM process will include the transfer via a newly developed interface between ASM and ATFCM systems of static airspace data (in the strategic phase) as well as the airspace allocation planning data (AUP / UUP) in the pre-tactical phase. This interface is a standardised B2B data exchange interface. The UUP process constitutes of a rolling process taking place at regular intervals (as soon as an airspace change has happened or is anticipated to happen).

ASM information (real-time ARES activation status) are shared between civil and military ATS units and communicated to NM in the tactical phase. This data, consisting of activation, de-activation and/or modification, is collected, saved, processed and made available by the NM system to ATM actors and all airspace users not involved in ASM process but concerned by this data. It can be used to trigger additional CDM processes with ATM actors and / or civil and military airspace users making use of that data in real time in order to increase flight efficiency (e.g. by avoiding circumnavigation of ARES) and as a consequence cost efficiency. Real-time ASM data is also used by ATFCM systems to optimise traffic flows improving demand and capacity balancing.

The information about the actual status of ARES will be exchanged between an ASM and an ATC system in real time and automatically displayed in the CWP ensuring shared situational awareness.

Rationale -

Forecast V3 end date -

Benefits start date (IOC) 31-12-2020

Full benefits date (FOC) 31-12-2025

Current Maturity Level V3

Solution Data Quality Index -

Current Maturity Phase R&D

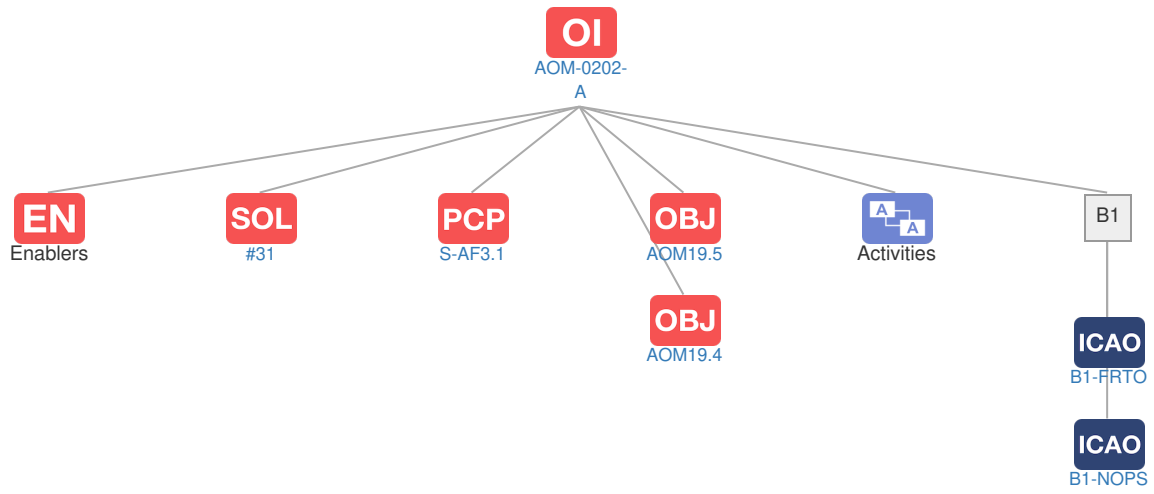
Scope -

Release R5








PCP Status PCP

Context






Related Elements



SESAR Solutions

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





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	