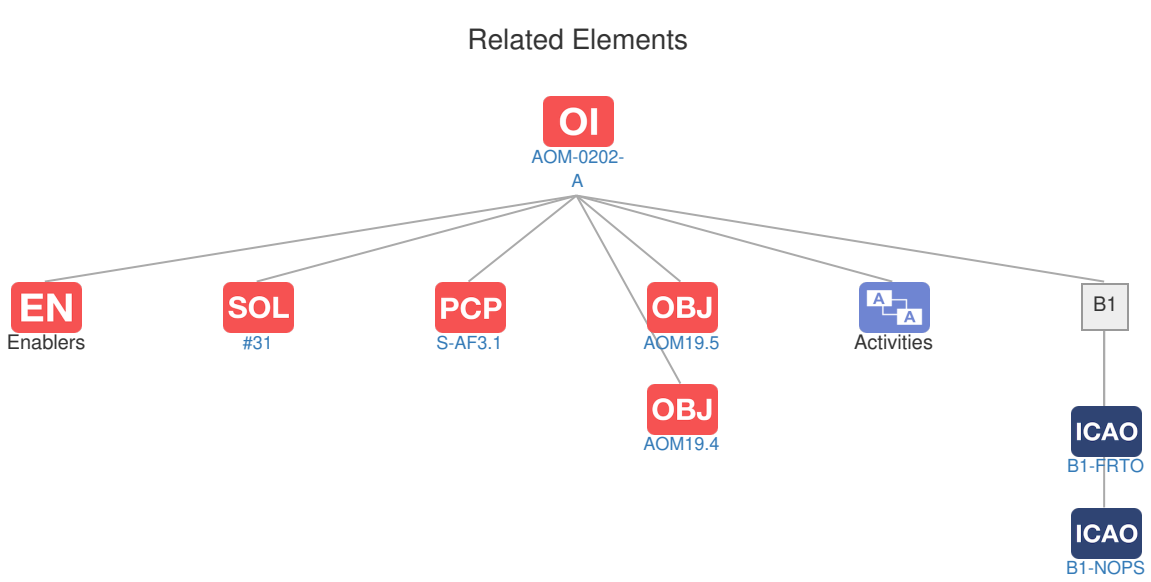
AOM-0202-A — Automated Support for strategic, pre-tactical and tactical Civil-Military Coordination in Airspace Management (ASM).

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.

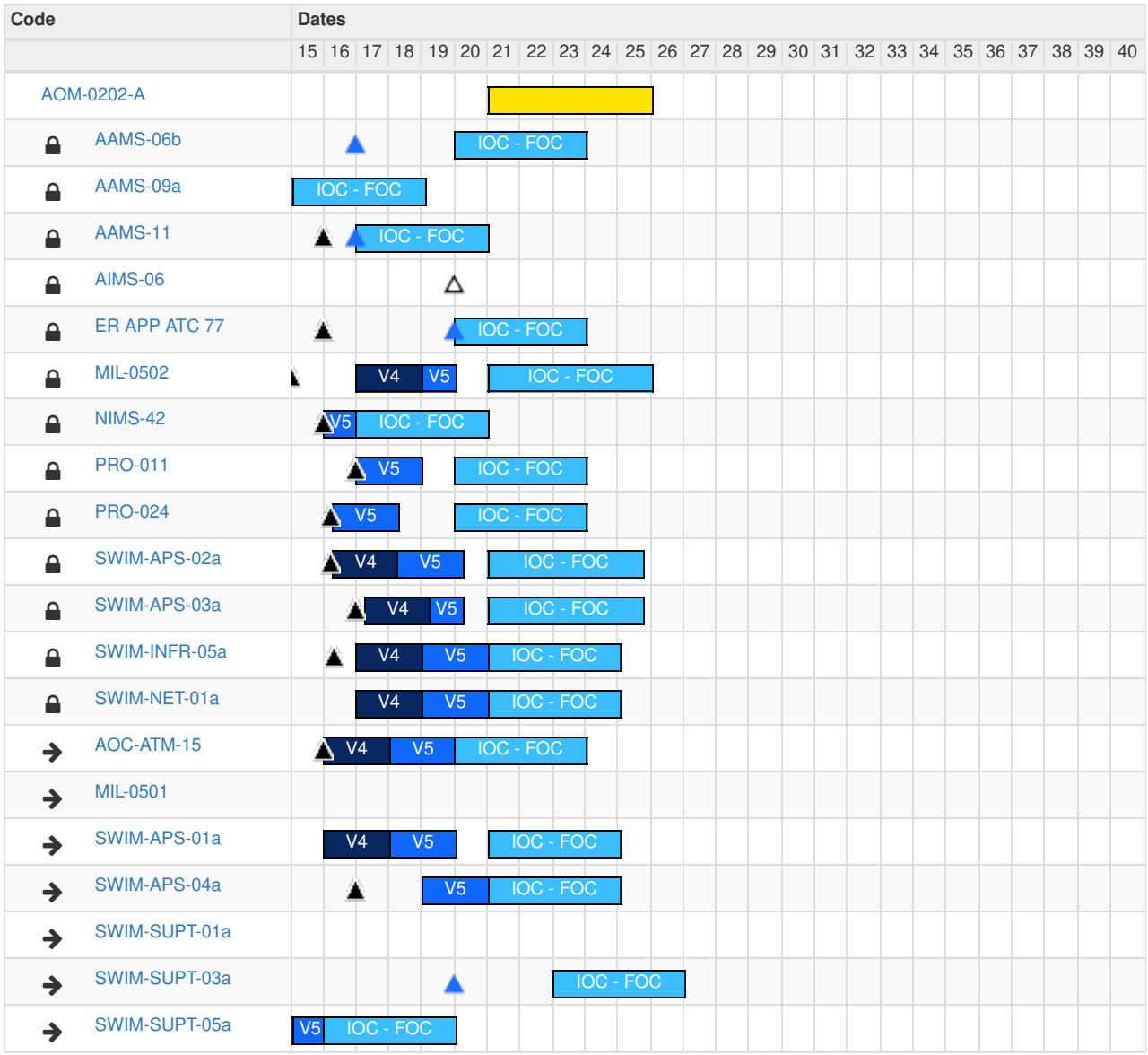
Rationale	-
Forecast V3 end date	-
Benefits start date (IOC)	31-12-2020
Full benefits date (FOC)	31-12-2025
Current Maturity Level	V3
Current Maturity Phase	R&D
Scope	-
Release	R5
PCP Status	PCP

Solution Data Quality Index -

Context


Related Elements
OI
AOM-0202-A
EN
Enablers
SOL
#31
PCP
S-AF3.1
OBJ
AOM19.5
OBJ
AOM19.4
Activities
B1
ICAO
B1-FRTO
ICAO
B1-NOPS

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-0206-A	Flexible and modular ARES in accordance with the VPA design principle	SOL OI EN OBJ DS PCP ICAO
Has successor	DCB-0210	Full integration of Dynamic Airspace Configurations into DCB	SOL OI EN DS
Has successor	SDM-0401	Sub-Regional DCB Common Service (Business Improvement)	SOL OI EN DS

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	SOL OI EN OBJ ICAO

Implementation Objectives

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

ICAO Block Modules

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