



# AOM-0208-C — Dynamic Mobile Areas (DMA) of type 3

Dynamic mobile area (DMA) is an integral part of the MT described by a 4D data set. DMA constitutes a defined volume of airspace that satisfies specific operational requirements from different Airspace Users (AU).

There is a DMA type 3 that have been identified as aircraft centric:

DMA Type 3 is a volume of airspace of defined dimensions described as an integral part of a MT and agreed upon in a CDM process satisfying the Airspace Users requirements. This volume of airspace is designed around moving aircraft ( an aircraft centric bubble) requiring specific separation criteria based on aircraft configuration (e.g. Fighter, Tanker, Formation). The mission trajectory specific 4D dataset describing movable aircraft-centric volume of airspace will be used as an input into NM system for processing and distribution. The outcome of these processes will be an agreed and published in the NOP MT profile under specific conditions requiring extra horizontal and vertical separation criteria. The MT profile description will allow extraction of DMA 4D dataset to be used as an input into NM system for DCB and DAC processes. It will facilitate NM to optimise ATM Network configuration while minimising the impact of DMA on the expected traffic.

**Rationale** The use of areas moving with the aircraft allows to keep the size and duration of the volume of segregated airspace to the absolute minimum required. It can also be beneficial to the military airspace user, by increasing flexibility. It allows for instance a same tanker to move to different locations to refuel several aircraft, thus removing the need for several tankers located in fixed ARES. It can also increase safety by defining a volume of protection around a suspicious aircraft to be intercepted.

**Forecast V3 end date** -

**Benefits start date (IOC)** 31-12-2028

**Full benefits date (FOC)** 31-12-2032

**Current Maturity Level** -

**Solution Data Quality Index** -

**Current Maturity Phase** R&D

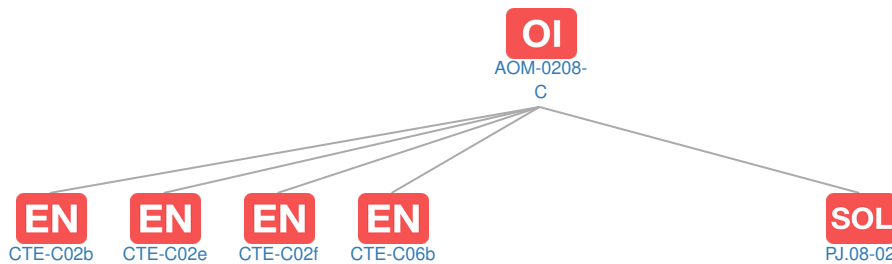
**Scope** -

**Release** 2020

**PCP Status** -

## Context

### Related Elements



## EN Enablers

Code	Dates																										
	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	
AOM-0208-C																											
🔒 CTE-C02b																											
🔒 CTE-C02e																											
🔒 CTE-C02f																											
🔒 CTE-C06b																											

## OI Dependent OI Steps

Relationship	Code	Title	Related Elements
Has predecessor	AOM-0208-B	Dynamic Mobile Areas (DMA) of types 1 and 2	<b>SOL</b> <b>OI</b> <b>EN</b> <b>DS</b>

## SOL SESAR Solutions

Code	Title	Program	Related Elements
PJ.08-02	Dynamic Airspace Configuration supporting moving areas	SESAR 2020 Wave 1	<b>SOL</b> <b>PJ</b> <b>OI</b> <b>DS</b> <b>EOC</b>

**PCP** PCP Elements: No associated data

**OBJ** Implementation Objectives: No associated data

**ICAO** ICAO Block Modules: No associated data