



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

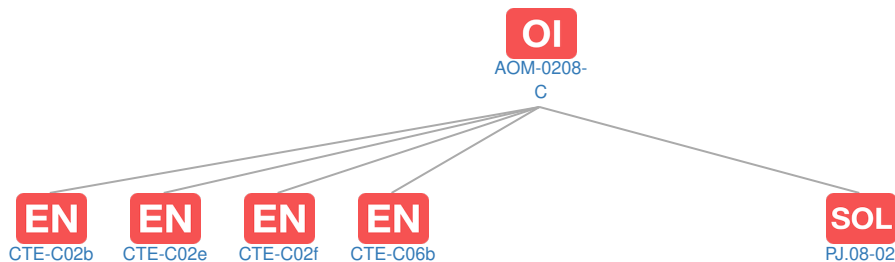
Scope -

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 | SOL OI EN DS |

SOL SESAR Solutions

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

PCP PCP Elements: No associated data

OBJ Implementation Objectives: No associated data

ICAO ICAO Block Modules: No associated data