EN METEO-04c — Generate and provide MET information relevant for Airport and approach related operations at short notice ('time to decision' between 3 minutes and 7days) including rotorcraft and RPAS

The ATM-MET system is acquiring, generating, assembling and providing Meteorological (MET) information to the SWIM network in a SWIM compliant manner to support all actors in Airport- and approach-related-operations, including rotorcraft-(simultaneous independent approaches to airports FATOs) and RPAS-operations. The provided information for these types of operations is made consistent with information relevant for other operational user environments such as En-route and Network operations. The system capability mainly targets a 'time to decision' horizon between 3 minutes and 7 days.
The additional ATM-MET system outputs, is:
- MET information supporting weather dependent optimisation of aircraft separations at airports.

Category SYSTEM

Stakeholder

Air Navigation Service Provider
- *Civil*
  - Civil ATS Aerodrome Service Provider
  - Civil ATS Approach Service Provider
  - Civil MET Service Provider
- *Military*
  - Military ATS Aerodrome Service Provider
  - Military ATS Approach Service Provider
  - Military MET Service Provider

Airport Operator
- *Civil*
  - Civil APT operator
- *Military*
  - Military APT operator

Airspace User
- *Civil*
  - Civil Scheduled Aviation
  - Civil Business Aviation-Fixed Wing
  - Civil General Aviation
  - Civil Flight Operations Centre
- *Military*
  - Military Transport
  - Military Light Aircraft
  - Military Wing Operations Centre
  - Military Unmanned Aircraft System

V3 End 31-12-2019

V4 Start 31-12-2021

V4 End 31-12-2024

V5 Start 31-12-2024

V5 End 31-12-2026

Air Navigation Service Provider: 31-12-2026
- *Civil*
  - Civil ATS Aerodrome Service Provider: 31-12-2026
  - Civil ATS Approach Service Provider: 31-12-2026
  - Civil MET Service Provider: 31-12-2026
- *Military*
  - Military ATS Aerodrome Service Provider: 31-12-2026
  - Military ATS Approach Service Provider: 31-12-2026
  - Military MET Service Provider: 31-12-2026

Airport Operator: 31-12-2026
- *Civil*
  - Civil APT operator: 31-12-2026
- *Military*

Military APT operator: 31-12-2026

Airspace User: 31-12-2026

Civil

Civil Scheduled Aviation: 31-12-2026

Civil Business Aviation-Fixed Wing: 31-12-2026

Civil General Aviation: 31-12-2026

Civil Flight Operations Centre: 31-12-2026

Military

Military Transport: 31-12-2026

Military Light Aircraft: 31-12-2026

Military Wing Operations Centre: 31-12-2026

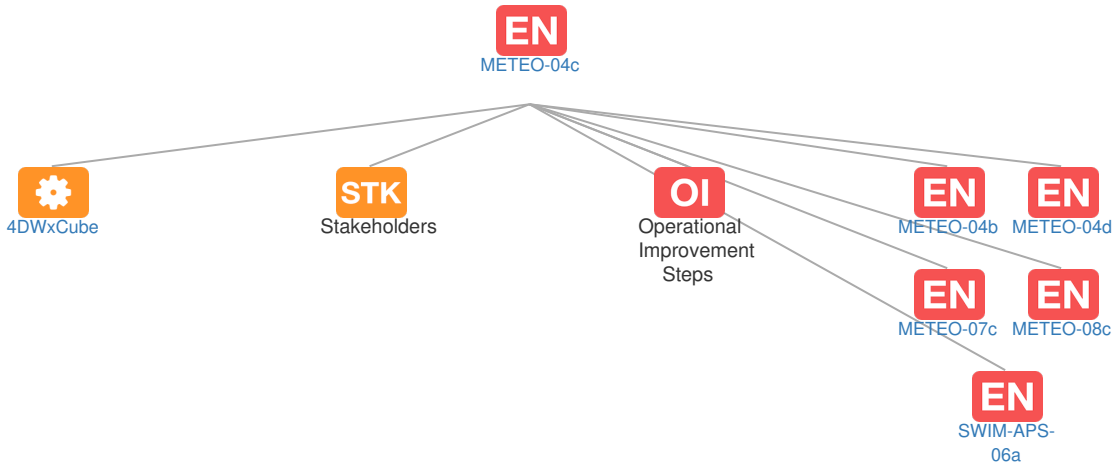
Military Unmanned Aircraft System: 31-12-2026

IOC 31-12-2026

FOC 31-12-2030

Context

Related Elements



OI Operational Improvement Steps

Code	Benefits start date (IOC) - Full benefit date (FOC)
	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
METEO-04c	V4 V5 IOC - FOC
AO-0107	
AO-0311	
AO-0505-B	
AO-0825	
AO-0826	
AOM-0702-B	
AOM-0705-B	
AOM-0806	
AOM-0807	
AUO-0309	
AUO-0404	
IS-0207	
MET-0201	
POI-0008-MET	
SDM-0206	
SDM-0211	
SDM-0212	
AO-0308	
AO-0316	
AO-0319	
AO-0320	
AO-0321	
AO-0322	
AO-0331	
AUO-0405	
AUO-0406	
AUO-0407	
AUO-0603-B	
IS-0205	
IS-0206	
TS-0301	
TS-0302	
TS-0307	
TS-0313	

EN Dependent Enablers

Relationship	Code	Title	Related Elements
Has predecessor	METEO-04b	Generate and provide MET information services relevant for Airport and final approach related operations (PCP)	STK OI EN DS PCP
Has successor	METEO-04d	Generate and provide MET information relevant for Airport and final approach for at shortest notice (less than 3 minutes 'time to decision' horizon)	STK OI EN
Is synchronised with	METEO-07c	Integrated system of infrared and visual cameras to enable automatic detection of LVC	STK OI EN DS
Is synchronised with	METEO-08c	Integrated system of 3D scanning Doppler X-Band radar and long range Doppler lidar for all-weather wind monitoring	STK OI EN DS
Deployed with	SWIM-APS-06a	Provision of Airport Ground Sensor Meteorological Information Services	STK OI EN DS PCP S

PCP PCP Elements: No associated data

STK Stakeholders

Code	Title	Related Elements
ANSP	Air Navigation Service Provider	EN
ANSP-CIV-AERO	Civil ATS Aerodrome Service Provider	EN
ANSP-CIV-APP	Civil ATS Approach Service Provider	EN
ANSP-CIV-MET	Civil MET Service Provider	EN
ANSP-MIL-AERO	Military ATS Aerodrome Service Provider	EN
ANSP-MIL-APP	Military ATS Approach Service Provider	EN
ANSP-MIL-MET	Military MET Service Provider	EN
AO	Airport Operator	EN
AP-OPR-CIV	Civil APT operator	EN
AP-OPR-MIL	Military APT operator	EN
AU	Airspace User	EN
AU-CIV-BA-F	Civil Business Aviation-Fixed Wing	EN
AU-CIV-FOC	Civil Flight Operations Centre	EN
AU-CIV-GA	Civil General Aviation	EN
AU-CIV-SA	Civil Scheduled Aviation	EN
AU-MIL-L	Military Light Aircraft	EN
AU-MIL-T	Military Transport	EN
AU-MIL-RPAS	Military Unmanned Aircraft System	EN
AU-MIL-W	Military Wing Operations Centre	EN

Standards: No associated data

OBJ Implementation Objectives: No associated data

Stakeholder Lines of Action (SLoAs): No associated data

PJ SESAR Workpackages: No associated data