



METEO-04b — Generate and provide MET information services relevant for Airport and final approach related operations (PCP)

ATM-MET system acquiring, generating, assembling and providing Meteorological (MET) information to the SWIM network and in a SWIM compliant manner to support all actors in Airport and final approach related operations and consistent with information relevant for other operational user environments such as En-route and Network operations.

Dedicated ATM-MET system capabilities will introduce new or improved meteorological observation, nowcast and forecast capabilities to support enhanced decision making.

When a high level of consistency and consolidation with MET information for other operational user environments is required, the information will be made available through a system that provides this capability to consolidate and make the MET information consistent.

This includes the ability to acquire, assemble and provide the relevant, ground, aircraft and space-based MET observation information, supported by enablers METEO-3, CTE-S7a and A/C-47.

The ATM-MET system capability focuses on acquiring, generating, assembling and providing meteorological information supporting (automated) ground and aircraft based decision making process or aids involving the relevant MET information, translation processes to derive constraints for weather and to convert this information in an ATM impact by ATM systems. The system capability for PCP mainly targets a 'time to decision' horizon between 20 minutes and 7 days.

The ATM-MET system outputs, amongst others, are:

- a) MET information for the tactical avoidance of hazardous meteorological conditions*
- b) MET information to support ATM situational awareness tools including display of MET information*
- c) MET warnings that give concise information of meteorological conditions that could adversely affect aerodrome operations.*

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

V3 End 31-12-2016

V4 Start 31-12-2016

V5 Start 31-12-2018

V4 End 31-12-2018

V5 End 31-12-2020

Air Navigation Service Provider: 31-12-2020

Civil

Civil ATS Aerodrome Service Provider: 31-12-2020

Civil ATS Approach Service Provider: 31-12-2020

Civil MET Service Provider: 31-12-2020

Military

Military ATS Aerodrome Service Provider: 31-12-2020

Military ATS Approach Service

Provider: 31-12-2020
Military MET Service Provider: 31-12-2020

Airport Operator: 31-12-2020

Civil

Civil APT operator: 31-12-2020

Military

Military APT operator: 31-12-2020

Airspace User: 31-12-2020

Civil

Civil Scheduled Aviation: 31-12-2020

Civil Business Aviation-Fixed Wing: 31-12-2020

Civil General Aviation: 31-12-2020

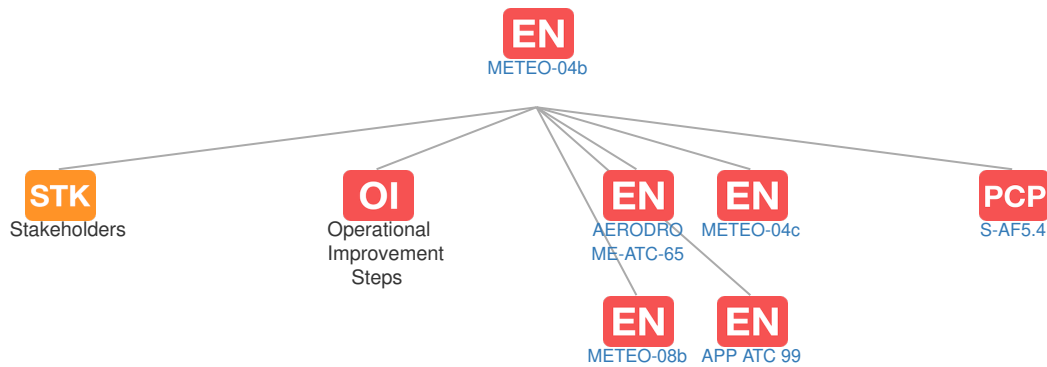
Civil Flight Operations Centre: 31-12-2020

IOC 01-07-2022

FOC 01-07-2026

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-04b																											
🔒 AO-0304																											
🔒 AO-0309																											
🔒 AO-0310																											
🔒 AO-0328																											
🔒 AO-0329																											
🔒 AO-0803																											
🔒 IS-0205																											
🔒 MET-0101																											
➔ AO-0801-A																											
➔ TS-0302																											









EN Dependent Enablers

Relationship	Code	Title	Related Elements
Supported by	AERODROME-ATC-65	Tactical Runway Management capacity planning support tool	STK OI EN
Has successor	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	STK OI EN DS ⚙️
Is synchronised with	METEO-08b	All-weather remote sensing of high resolution 3D aerodrome wind field	STK OI EN DS PCP ⚙️
Enabling	APP ATC 99	ATC System to use Real-Time Meteo Information Received From Met Systems	STK OI EN DS

PCP PCP Elements

Code	Title	Related Elements
S-AF5.4	Meteorological information exchange	SOL OI EN OBJ ICAO

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 

 Standards: No associated data

 Implementation Objectives: No associated data

Stakeholder Lines of Action (SLoAs): No associated data

 SESAR Workpackages: No associated data