METEO-05b — Generate and provide MET information relevant for TMA and En-route 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 TMA and En-route related operations and consistent with information relevant for other operational user environments such as Airport and final approach and Network operations.
Dedicated ATM-MET System capabilities will introduce new or improved meteorological observation, nowcast and forecast capabilities to support enhanced decision making. The MET information will be made available through a system that provides the capability to consolidate and make the MET information consistent and coherent with other operational user environments and easily accessible for SWIM actors.
This includes the ability to acquire, assemble and provide the relevant, ground, aircraft and space-based MET observation information, supported by enabler A/C-47.
The ATM-MET system capability for PCP 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 converting of this information in an ATM impact by ATM systems. The system capability mainly targets a 'time to decision' horizon between 20 minutes and 7 days.

Category SYSTEM

Stakeholder
Air Navigation Service Provider
Civil
- Civil ATS Approach Service Provider
- Civil ATS En-Route Service Provider
- Civil MET Service Provider

Military
- Military ATS Approach Service Provider
- Military ATS En-Route Service Provider
- Military MET Service Provider

Airspace User
Civil
- Civil Scheduled Aviation
- Civil Business Aviation-Fixed Wing
- Civil General Aviation
- Civil Flight Operations Centre

V3 End 01-07-2015

V4 Start 31-12-2016

V4 End 31-12-2018

V5 Start 31-12-2018

V5 End 31-12-2020

Air Navigation Service Provider: 31-12-2020
Civil
- Civil ATS Approach Service Provider: 31-12-2020
- Civil ATS En-Route Service Provider: 31-12-2020
- Civil MET Service Provider: 31-12-2020

Military
- Military ATS Approach Service Provider: 31-12-2020
- Military ATS En-Route Service Provider: 31-12-2020
- Military MET Service Provider: 31-12-2020

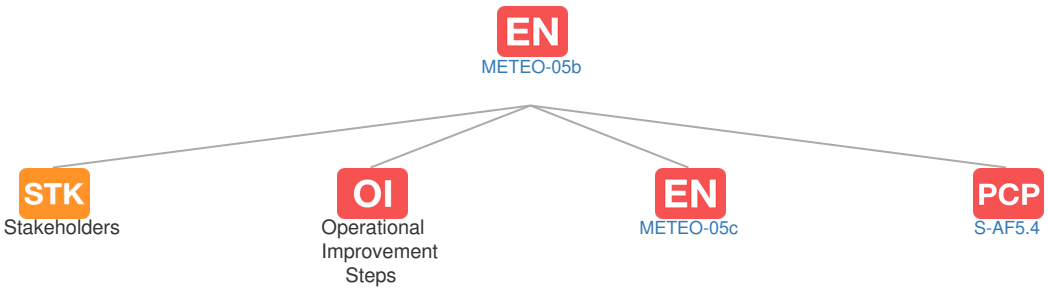
Airspace User: 31-12-2020
Civil
- Civil Scheduled Aviation: 31-12-2020
- Civil Business Aviation-Fixed Wing: 31-12-2020
- Civil General Aviation: 31-12-2020
- Civil Flight Operations Centre: 31-

12-2020

IOC 01-07-2022 **FOC** 01-07-2026

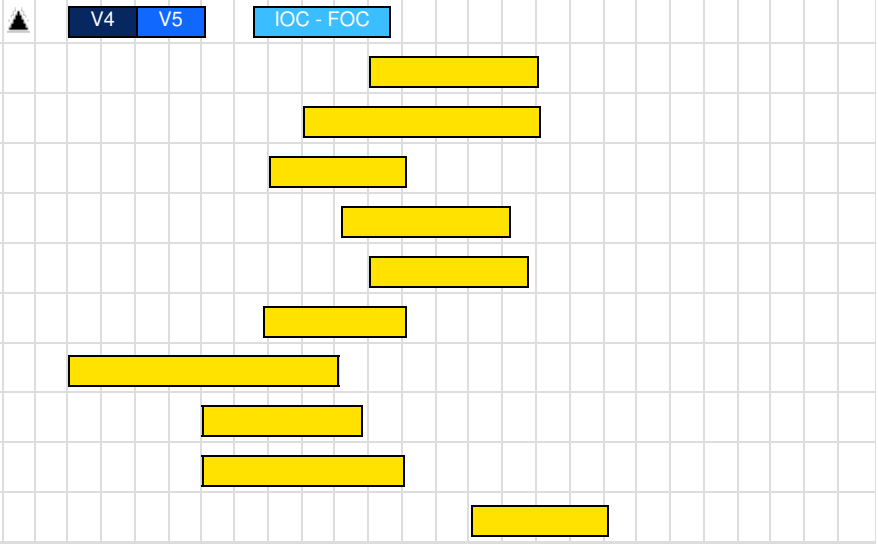
Context

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-05b	▲ V4 V5 IOC - FOC
AO-0310	
IS-0205	
MET-0101	
AO-0304	
AO-0329	
AOM-0104-A	
AOM-0500	
AOM-0501	
AOM-0810	
TS-0302	



EN Dependent Enablers

Relationship	Code	Title	Related Elements
Has successor	METEO-05c	Generate and provide MET information relevant for TMA and En-route related operations at short notice ('time to decision' between 3 minutes and 7days), including for low-level IFR operations.	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-APP	Civil ATS Approach Service Provider	EN
ANSP-CIV-ER	Civil ATS En-Route Service Provider	EN
ANSP-CIV-MET	Civil MET Service Provider	EN
ANSP-MIL-APP	Military ATS Approach Service Provider	EN
ANSP-MIL-ER	Military ATS En-Route Service Provider	EN
ANSP-MIL-MET	Military MET Service Provider	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

OBJ Implementation Objectives: No associated data

Stakeholder Lines of Action (SLoAs): No associated data

PJ SESAR Workpackages: No associated data