



INF10.11 — Meteorological Information Exchange - En-Route and Approach Meteorological information service

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The ability to establish a collaborative environment within ATM and to move to Trajectory Based Operations depends on the sharing, between all operational stakeholders, of a similar picture of an environment in which flights operate. It requires a wide range of meteorological information to be shared and made available simultaneously to all ATM actors with minimum delay.

This implementation objective is addressing the En-Route and Approach Meteorological information Service. The certified MET service provider for the En-route and approach ATC units will be those which are selected by the relevant competent authority and/or regional air navigation agreement. There may be more than one selected certified MET service provider. The certified MET service provider will be the aerodrome meteorological office, the MWO or WAFC, as defined in Annex V to (EU) 2017/373). The MET service provider(s) will liaise closely with the operational stakeholders in the approach and En-route domains, to determine and help define the needs and requirements for MET information support, specific to that area. This may (for example) focus on unique weather constraints such as fog, snow, convection, etc, or on particular operational constraints such as runway throughput, winter procedures, noise abatement procedures, free routing, etc. and their dependency on weather.

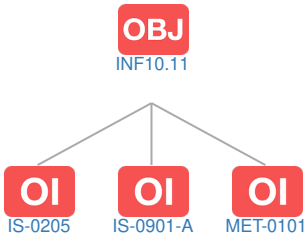
NOTE: For a full description of the services as well as of the associated system requirements, see the Family 5, in the SESAR Deployment Programme edition 2022, Approved by the European Commission.

NOTE FOR MILITARY AUTHORITIES: It is the responsibility of each military authority to review this Objective IN ITS ENTIRETY and address each of the SLoAs that the military authority considers RELEVANT for itself. This has to be done on top and above of the review of "MIL" SLoAs which identify actions EXCLUSIVE to military authorities.

Edition	2022
Stakeholders	Air Navigation Service Provider / Network Manager
Type	CP1
Scope	EU
Status	Active

Context

Related Elements



Applicability Area(s) and Timescales

Applicability Area 1:	All EU SES States (All EU SES States)
Applicability Area 2:	Georgia, Israel, United Kingdom

Timescales	From	By	Applicable to
Initial Operational Capability	01-01-2021	-	Applicability Area 1 + Applicability Area 2
Full Operational Capability / Target Date	-	31-12-2025	Applicability Area 1 + Applicability Area 2

Links to ATM Master Plan Level 2

Operational Improvement Steps

Code	Title	IOC	FOC	Related Elements
IS-0205	Digital Integrated Briefing for pre-flight phase	31-12-2023	31-12-2030	     
IS-0901-A	SWIM for sharing G/G data, traffic flow management information and aeronautical information	31-12-2023	31-12-2029	      
MET-0101	Enhanced MET observations, nowcasts and forecasts provided by ATM-MET systems for planning and near term services	31-12-2022	31-12-2026	      

Links to SESAR Solutions

Code	Title	Program	Related Elements
No record found			

Links to PCP ATM Sub-Functionalities

Code	Title	Related Elements
No record found		

ICAO Block Modules: No associated data

References

Applicable legislation

Regulation (EU) 2021/116 on the establishment of the Common Project One

Applicable ICAO Annexes and other references

None

Deployment Programme 2022

Family 5.4.1 - Meteorological Information Exchange

Operating Environments

-

Expected Performance Benefits

Safety	-
Capacity	-
Operational efficiency	-
Cost efficiency	-
Environment	-
Security	-

Stakeholder Lines of Action

Code	Title	From	By	Related Enablers
ASP01	Determine and help define requirements for new En-Route and/or approach MET information services	01-01-2021	31-12-2025	
ASP02	Consume En-Route and approach MET information services	01-01-2021	31-12-2025	
ASP03	Operational use	01-01-2021	31-12-2025	
NM01	Determine and help define requirements for new En-Route and/or approach MET information services	01-01-2021	31-12-2025	
NM02	Consume En-Route and approach MET information services	01-01-2021	31-12-2025	
NM03	Operational use	01-01-2021	31-12-2025	
MET01	Determine and help define requirements for new En-Route and/or approach MET information services	01-01-2021	31-12-2025	
MET02	Provide En-Route and Approach MET information services	01-01-2021	31-12-2025	
MET03	Provide enhanced En-Route and approach MET information services	01-01-2021	31-12-2025	

Supporting Material

Title	Related SLoAs
SDM - Standardisation and Regulation support to CP1 deployment 2021, Deliverable D1.1.1 07/2021 https://www.sesardeploymentmanager.eu/publications/deployment-programme	ASP01, ASP02, ASP03, MET01, MET02, MET03, NM01, NM02, NM03

Consultation & Approval

Working Arrangement in charge	-
Outline description approved in	-
Latest objective review at expert level	-
Commitment Decision Body	-
Objective approved/endorsed in	-
Latest change to objective approved/endorsed in	-