C	P1	Active						EU		
INF	10.12	Meteorological Information Exchange - Network Meteorological Information								
REG	ASP	MIL	APO	USE	INT	IND	NM	MET	AIS	USP

# Subject matter and scope

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 Network Manager Meteorological Information Service, the needs and requirements for MET information support. This may (for example) focus on impactful weather events which affect En-Route flight phases and cross-border or affect the ability of critical/busiest aerodromes to maintain flow rates. The NM will liaise also with other ATM stakeholders and synchronise their implementation plans.

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.

# Applicability Area(s) & Timescale(s)

Applicability Area 1 All EU SES S		EU SES States				
Applicability Area 2 Azerbaijan, United Ki		ngdom				
Timescales:		From:	Ву:	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			

#### References

#### **European ATM Master Plan**

OI step -	[IS-0205]-Digital Integrated Briefing for pre-flight phase								
	Enablers -	AIMS-06	AIMS-07a	AIMS-19a	METEO-04b	METEO-05b	REG-0301	SWIM-APS- 01a	SWIM-APS- 02a
		SWIM-INFR- 05a	SWIM-NET- 01a	SWIM-STD-01					
OI step -	[IS-0901-A]-SWIM-TI Yellow Profile for Ground/Ground (G/G) information sharing								
	Enablers -	REG-0519	SWIM-GOV- 05a	SWIM-INFR- 05a	SWIM-NET- 01a	SWIM-SUPT- 01a	SWIM-SUPT- 03a		
OI step -	[MET-0101]-Enhanced MET observations, nowcasts and forecasts provided by ATM-MET systems for planning and near term services								
	Enablers -	METEO-03	METEO-04b	METEO-05b	METEO-06b	METEO-08b			

Lagandi	WXYZ-001	Covered by SLoA(s) in	WXYZ-002	Covered by SLoA(s) in another objective	WXYZ-	Not covered in the
Legend:	WA12-001	this objective	zzz	Objective covering the enabler	003	Implementation Plan

#### **Applicable legislation**

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

#### **Essential Operational Changes**

ATM Interconnected Network

### **SESAR Solution**

#34 - Digital Integrated Briefing, #35 - MET Information Exchange, #46 - SWIM Yellow Profile

### **ICAO GANP - ASBUs**

- none -

INF10.12

### Meteorological Information Exchange - Network Meteorological Information

### **Deployment Programme**

5 4 1	Meteorological Information Exchange	
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### **European Plan for Aviation Safety**

- none -

### **Operating Environments**

Airport

En-Route

Network

Terminal Airspace

# Stakeholder Lines of Action (SLoAs)

SloA ref.	Title	From	Ву
INF10.12-ASP01	Determine and help define requirements for new network MET information services	01/01/2021	31/12/2025
INF10.12-ASP02	Consume network MET information services	01/01/2021	31/12/2025
INF10.12-ASP03	Operational use	01/01/2021	31/12/2025
INF10.12-MET01	Determine and help define requirements for new network MET information services	01/01/2021	31/12/2025
INF10.12-MET02	Provide Network MET information services	01/01/2021	31/12/2025
INF10.12-MET03	Provide enhanced network MET information services	01/01/2021	31/12/2025
INF10.12-NM01	Determine and help define requirements for new network MET information services	01/01/2021	31/12/2025
INF10.12-NM02	Consume network MET information services	01/01/2021	31/12/2025
INF10.12-NM03	Operational use	01/01/2021	31/12/2025
Description of the life	and and deleted CL a A a is associable on the a ATM Deutel @ bttmas//source action antal ass/source		to the materials

Description of finalised and deleted SLoAs is available on the eATM Portal @ https://www.eatmportal.eu/working/depl/essip\_objectives

# **Expected Performance Benefits**

Safety: Capacity: Operational Efficiency: Cost Efficiency: Environment: -

Security:

**Detailed SLoA Descriptions** 

INF10.12-ASP01	Determine and help define requirements for new network MET information services	From:  Applicability Area 1: 01/01/2021	By: Applicability Area 1: 31/12/2025			
Action by:	ANS Providers	<u>'</u>				
Description & purpose:	The ANSPs operating in the ATFM and network domains will collabora jointly define requirements for new advanced MET service(s) to better service.					
Supporting material(s):	SDM - Standardisation and Regulation support to CP1 deployment 2021, Deliverable D1.1.1 07/2021					
	Url: https://www.sesardeploymentmanager.eu/publications/deployment-programme					
Finalisation criteria:	1 - The agreed requirements are documented.					
		From:	Ву:			
INF10.12-ASP02	Consume network MET information services	Applicability Area 1: 01/01/2021	Applicability Area 1: 31/12/2025			
Action by:	ANS Providers					
Description & purpose:	All ANSPs that require network MET information will be able to access services published by the MET provider(s). This may also include enhal INF10.12-ASP01.					

Supporting material(s):	SDM - Standardisation and Regulation support to CP1 deployment 202	1. Deliverable D1.1.1 07	·/2021
papporanig material(o).	Url : https://www.sesardeploymentmanager.eu/publications/deployment		,
Finalisation criteria:	1 - The system(s) consumes the network manager MET information Se		
mansation criteria.	The system(s) consumes the network manager with information ce	From:	Ву:
INF10.12-ASP03	Operational use	Applicability Area 1: 01/01/2021	Applicability Area 1 31/12/2025
Action by:	ANS Providers	01/01/2021	
	The system is used to support daily operations once the systems have	haan implemented the	araaaduraa ara in plaaa
Description & purpose:	the capability assessment has been delivered, and the training has bee		orocedures are in place,
Supporting material(s):	SDM - Standardisation and Regulation support to CP1 deployment 202	1, Deliverable D1.1.1 07	7/2021
	Url: https://www.sesardeploymentmanager.eu/publications/deployment	t-programme	
Finalisation criteria:	1 - Information Exchanges are used for daily operations.		
		From:	Ву:
INF10.12-MET01	Determine and help define requirements for new network MET information services	Applicability Area 1: 01/01/2021	Applicability Area 1 31/12/2025
Action by:	MET Providers		
Description & purpose:	MET provider(s) will collaborate with NM to jointly define requirements f support operations specific to safe and efficient NM operations.	for new advanced MET s	service(s) to better
Supporting material(s):	SDM - Standardisation and Regulation support to CP1 deployment 202	1, Deliverable D1.1.1 07	//2021
	Url: https://www.sesardeploymentmanager.eu/publications/deployment	t-programme	
Finalisation criteria:	1 - The agreed requirements are documented.		
		From:	By:
INF10.12-MET02	Provide Network MET information services	Applicability Area 1: 01/01/2021	Applicability Area 1 31/12/2025
Action by:	MET Providers	01/01/2021	!
Description & purpose:	All certified MET providers (including those operating in the airport, and	En-Route domains) will	have their information
bescription a purpose.	published and accessible as SWIM services (either directly or indirectly	).	nave then information
Supporting material(s):	SDM - Standardisation and Regulation support to CP1 deployment 202	4 D II	
	Down - Standardisation and Negulation support to Or 1 deployment 202	1, Deliverable D1.1.1 07	//2021
	Url: https://www.sesardeploymentmanager.eu/publications/deployment		//2021
Finalisation criteria:		t-programme	
Finalisation criteria:	Url: https://www.sesardeploymentmanager.eu/publications/deployment	t-programme	
Finalisation criteria:	Url: https://www.sesardeploymentmanager.eu/publications/deployment	t <u>-programme</u> able in the SWIM Registr	y. By:
INF10.12-MET03	Url: https://www.sesardeploymentmanager.eu/publications/deployment  1 - The network MET information Service is SWIM compliant and availa	t-programme able in the SWIM Registr From: Applicability Area 1:	y.  By:  Applicability Area 1
INF10.12-MET03 Action by:	Url: https://www.sesardeploymentmanager.eu/publications/deployment  1 - The network MET information Service is SWIM compliant and availa  Provide enhanced network MET information services	t-programme able in the SWIM Registre From: Applicability Area 1: 01/01/2021  ort services concluded in	y.  By:  Applicability Area 1 31/12/2025  INF10.12-MET01, thes
INF10.12-MET03 Action by: Description & purpose:	Url: https://www.sesardeploymentmanager.eu/publications/deployment  1 - The network MET information Service is SWIM compliant and availa  Provide enhanced network MET information services  MET Providers  Fulfilling the agreed requirements for advanced MET information supported additional or supplementary network meteorological information services	t-programme able in the SWIM Registre From: Applicability Area 1: 01/01/2021  ort services concluded in as will be published and a	y.  Applicability Area 1 31/12/2025  INF10.12-MET01, thes accessible as SWIM
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INF10.12-MET03  Action by: Description & purpose: Supporting material(s): Finalisation criteria: INF10.12-NM01  Action by: Description & purpose: Supporting material(s):	Url: https://www.sesardeploymentmanager.eu/publications/deployment  1 - The network MET information Service is SWIM compliant and availate  Provide enhanced network MET information services  MET Providers  Fulfilling the agreed requirements for advanced MET information support additional or supplementary network meteorological information service service(s).  SDM - Standardisation and Regulation support to CP1 deployment 202  Url: https://www.sesardeploymentmanager.eu/publications/deployment  1 - The enhanced network MET information Service is SWIM complian  Determine and help define requirements for new network MET information services  NM  The NM will collaborate with ANSP stakeholders, AUs and the MET proadvanced MET service(s) to better support operations specific to NM.  SDM - Standardisation and Regulation support to CP1 deployment 202  Url: https://www.sesardeploymentmanager.eu/publications/deployment	able in the SWIM Registr From: Applicability Area 1: 01/01/2021  ort services concluded in as will be published and as an available in the SWIM From: Applicability Area 1: 01/01/2021  ovider(s) to jointly define 1, Deliverable D1.1.1 07 1-programme The programme 1: 01/01/2021  ovider(s) to jointly define 1, Deliverable D1.1.1 07 1-programme From:	y.  By:  Applicability Area 1 31/12/2025  INF10.12-MET01, thes accessible as SWIM  //2021  VIM Registry.  By:  Applicability Area 1 31/12/2025  requirements for new  //2021
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**Meteorological Information Exchange - Network Meteorological Information** 

INF10.12

INF10.12	Meteorological Information Exchange - Network Meteorological Information					
Description & purpose:	The NM will be able to access and consume the network MET SWIM information services published by the certified MET provider(s) in this domain. This may include enhanced information services that are agreed in INF10.12-NM01.					
Supporting material(s):	SDM - Standardisation and Regulation support to CP1 deployment 2021, Deliverable D1.1.1 07/2021  Url: https://www.sesardeploymentmanager.eu/publications/deployment-programme					
Finalisation criteria:	1 - NM will be able to access and consume MET SWIM information services in the airport, approach, network and En- Route domains as required operationally. The system(s) consumes the NM Meteorological Information Service.					
INF10.12-NM03	Operational use	From: Applicability Area 1: 01/01/2021	By: Applicability Area 1: 31/12/2025			
Action by:	NM					
Description & purpose:	The system is used to support daily operations once the systems have been implemented, the procedures are in place, the capability assessment has been delivered, and the training has been completed.					
Supporting material(s):	SDM - Standardisation and Regulation support to CP1 deployment 20 Url :					