

| CP1 | | Active | | | | | | | EU | |
|----------|-----|--|-----|-----|-----|-----|----|-----|-----|-----|
| INF10.13 | | Cooperative Network Information Exchange - ATFCM Tactical Updates Service (Airport Capacity and Enroute) | | | | | | | | |
| REG | ASP | MIL | APO | USE | INT | IND | NM | MET | AIS | USP |

Subject matter and scope

The Cooperative Network Information will be exchanged between the systems of the operational stakeholders and the Network Manager by means of cooperative network information SWIM services, using the Yellow SWIM TI Profile, for Air Traffic Flow and Capacity Management (ATFCM) purposes.

Operational stakeholders use the NM B2B Services, which support the exchange of the following cooperative network information:

- Maximum airport capacity based on current and near-term weather conditions
This information exchange is supported by the ATFCM Tactical Updates Service, which allows to update dynamically the airport capacity values and the runway configuration.
- Network and en-route approach operation plans
This information exchange is supported by the ATFCM Tactical Updates Service, part of the NM B2B Services, which allows to update dynamically the sector configuration plans, the capacity values, the monitoring values (OTMV), the traffic volume activations and the runway configurations.

System requirements:

The Network Manager shall support all operational stakeholders in exchanging data electronically for cooperative network management activities, by providing the necessary SWIM services.

The access to NOP via the NM HMLs is covered by Objectives FCM11.1 and FCM11.2. This objective covers only the information exchanges between the stakeholders' local systems and the NM system. The Network Manager system and operational stakeholder systems shall be upgraded to support the exchange of information in compliance with the EUROCONTROL SWIM Specifications, either through the Public Internet and/or NewPENS. The choice of communication service depends on a business criticality assessment from where minimum performance requirements are identified.

ANSP systems shall be upgraded to use the NM B2B Services in order to provide to NM the ATFCM tactical and pre-tactical updates: sector configuration activation, capacity values, runway configuration activation, traffic volume activation (when applicable), OTMVs (when used) and hotspots (when used).

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)

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|---|--|-------------------------|------------|------------|---|
| Applicability Area 1 | | All EU SES States | | | |
| Applicability Area 2 | | Türkiye, 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 |

References

European ATM Master Plan

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

Applicable legislation

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| Regulation (EU) 2021/116 on the establishment of the Common Project One |
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Essential Operational Changes

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| ATM Interconnected Network |
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SESAR Solution

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| #46 - SWIM Yellow Profile |
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ICAO GANP - ASBUs

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| - none - |
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Deployment Programme

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| 5.5.1 | Cooperative Network Information Exchange |
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European Plan for Aviation Safety

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| - none - |
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Operating Environments

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| Airport |
| En-Route |
| Network |
| Terminal Airspace |

Stakeholder Lines of Action (SLoAs)

| SLoA ref. | Title | From | By |
|----------------|---|------------|------------|
| INF10.13-ASP01 | Provide ATFCM Tactical and pre-tactical updates to NM | 01/01/2021 | 31/12/2025 |
| INF10.13-ASP02 | Operational use | 01/01/2021 | 31/12/2025 |
| INF10.13-NM01 | Upgrade NM systems for SWIM compliance | 01/01/2021 | 31/12/2025 |

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

Expected Performance Benefits

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

Detailed SLoA Descriptions

| INF10.13-ASP01 | Provide ATFCM Tactical and pre-tactical updates to NM | From: | By: |
|-------------------------|--|-------------------------------------|-------------------------------------|
| | | Applicability Area 1: 01/01/2021 | Applicability Area 1: 31/12/2025 |
| Action by: | ANS Providers | | |
| Description & purpose: | Provide to NM the ATFCM tactical and pre-tactical updates for the aerodrome capacity values, the sector configuration plans, the Enroute capacity values, the monitoring values (OTMV), the traffic volume activations and the runway configuration activation. This SLoA supports the SLoA FCM10-ASP01 (Use of NM technical platform and NM B2B 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 ANSP system provides the ATFCM tactical and pre-tactical updates to NM via the NM B2B Services. | | |
| INF10.13-ASP02 | Operational use | From: | By: |
| | | Applicability Area 1: 01/01/2021 | Applicability Area 1: 31/12/2025 |

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| Action by: | ANS Providers | | |
| 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 2021, Deliverable D1.1.1 07/2021 Url : https://www.sesardeploymentmanager.eu/publications/deployment-programme | | |
| Finalisation criteria: | 1 - Information Exchanges are used for daily operations. | | |
| INF10.13-NM01 | Upgrade NM systems for SWIM compliance | From: | By: |
| | | Applicability Area 1: 01/01/2021 | Applicability Area 1: 31/12/2025 |
| Action by: | NM | | |
| Description & purpose: | The NM system is upgraded in order to make the NM B2B Services SWIM compliant. This SLoA supports the SLoA FCM10-NM02 (Develop Network Manager B2B services). | | |
| 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 NM B2B Services are SWIM compliant and available in the SWIM Registry as an operational SWIM compliant service. | | |

