



# INF10.16 — Cooperative Network Information Exchange - Short Term ATFCM Measures services (MCDM, eHelpdesk, STAM measures)

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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:

- Short term ATFCM measures (STAM)  
This information exchange is supported by the following three NM B2B Services:
  - o The Measure Collaborative Decision Making (MCDM) Service, which supports the collaborative decision making for the implementation of a measure or individual flight actions
  - o The eHelpdesk Service, for requesting NMOC to apply actions to individual flights
  - o The Measures Service, which allows making proposals of cherry-pick regulations in support of STAM.

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:

- Collaborate on the definition and application of STAM

AU systems shall be upgraded to use the NM B2B Services in order to:

- Collaborate on the application of STAM, when relevant

*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 / Airspace Users / Network Manager |
| Type         | CP1  |
| Scope        | EU   |
| Status       | Active   |

## Context

### Related Elements







## Applicability Area(s) and Timescales

|                              |  |
|------------------------------|--|
| <b>Applicability Area 1:</b> | All EU SES States<br>(All EU SES States) |
| <b>Applicability Area 2:</b> | 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   |
|---------------------------|---|------------|------------|--|
| <a href="#">IS-0901-A</a> | <a href="#">SWIM for sharing G/G data, traffic flow management information and aeronautical information</a> | 31-12-2023 | 31-12-2029 |    <br>   |

### 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 5.5.1 - Cooperative Network Information Exchange

### Operating Environments

-

## Expected Performance Benefits

|                               |   |
|-------------------------------|---|
| <b>Safety</b>                 | - |
| <b>Capacity</b>               | - |
| <b>Operational efficiency</b> | - |
| <b>Cost efficiency</b>        | - |
| <b>Environment</b>            | - |
| <b>Security</b>               | - |

## Stakeholder Lines of Action

| <b>Code</b> | <b>Title</b>  | <b>From</b> | <b>By</b>  | <b>Related Enablers</b> |
|-------------|---|-------------|------------|-------------------------|
| ASP01       | Collaborate on the definition and application of STAM | 01-01-2021  | 31-12-2025 |                         |
| ASP02       | Operational use                                       | 01-01-2021  | 31-12-2025 |                         |
| USE01       | Collaborate on the application of STAM                | 01-01-2021  | 31-12-2025 |                         |
| USE02       | Operational use                                       | 01-01-2021  | 31-12-2025 |                         |
| NM01        | Upgrade NM systems for SWIM compliance                | 01-01-2021  | 31-12-2025 |                         |

## Supporting Material

| <b>Title</b>   | <b>Related SLoAs</b>             |
|--|----------------------------------|
| SDM - Standardisation and Regulation support to CP1 deployment 2021, Deliverable D1.1.1 07/2021<br><a href="https://www.sesardeploymentmanager.eu/publications/deployment-programme">https://www.sesardeploymentmanager.eu/publications/deployment-programme</a> | ASP01, ASP02, NM01, USE01, USE02 |

## Consultation & Approval

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