



INF10.17 — Cooperative Network Information Exchange – Counts service (ATFCM Congestion Points)

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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:

- ATFCM congestion points
- This information exchange is currently supported by the Counts Service, which provides data supporting the assessment of the ATFCM congestions and hotspot detection.

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 HMI 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.

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: | United Kingdom |

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

Links to ATM Master Plan Level 2

Operational Improvment Steps

| Code | Title | IOC | FOC | Related Elements |
|---------------------------|---|------------|------------|--|
| IS-0901-A | SWIM for sharing G/G data, traffic flow management information and aeronautical information | 31-12-2023 | 31-12-2029 |        |

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

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

Stakeholder Lines of Action

| Code | Title | From | By | Related Enablers |
|-------------|--|-------------|------------|-------------------------|
| ASP01 | Consume Counts service | 01-01-2021 | 31-12-2025 | |
| ASP02 | Operational use | 01-01-2021 | 31-12-2025 | |
| NM01 | Upgrade NM systems for SWIM compliance | 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, NM01 |

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 | - |