

|          |     |   |     |     |     |     |    |     |     |     |
|----------|-----|---|-----|-----|-----|-----|----|-----|-----|-----|
| CP1      |     | Active  |     |     |     |     |    |     | EU  |     |
| INF10.23 |     | Flight Information Exchange (Yellow Profile) - Extended AMAN SWIM Service |     |     |     |     |    |     |     |     |
| REG      | ASP | MIL   | APO | USE | INT | IND | NM | MET | AIS | USP |

## Subject matter and scope

Flight Information Exchange addresses the implementation of the FF-ICE/R1 services over SWIM that are required to exchange pre-departure flight information. Service implementations shall be compliant with the applicable version of the FIXM standard. It is important to highlight that there will be a transition period (expected to be quite long) with mixed modes of operations. Given the global reach of the concerned stakeholder groups (mainly in relation to AUs) and the lack of implementation mandates on some of them (stakeholders for which the transition is voluntary, business-case dependant), there will be a combination of FF-ICE capable and FF-ICE-non-capable stakeholders. During the transition period, stakeholders implementing FF-ICE/R1 may need to continue to support the current ICAO FPL 2012 format via the traditional communication means. Adoption of FF-ICE/R1 organizational provisions by concerned stakeholders is prerequisite for actual deployment and use of FF-ICE/R1 services over SWIM.

Extended AMAN SWIM Service implements:

- Provision of SWIM service with AMAN data to associated En-Route sectors (eg.: as described in EUROCAE ED254 Arrival Sequence Service Performance Standard)
- Consumption of the extended AMAN data from the AMAN system

**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)

|   |                   |            |   |
|---|-------------------|------------|---|
| <b>Applicability Area 1</b>               | All EU SES States |            |   |
| <b>Applicability Area 2</b>               | United Kingdom    |            |   |
| <b>Timescales:</b>                        | <b>From:</b>      | <b>By:</b> | <b>Applicable to:</b>                       |
| 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

|            |  |                                      |                 |   |             |  |  |
|------------|--|--------------------------------------|-----------------|---|-------------|--|--|
| Ol step -  | <a href="#">[AUO-0207]-Preliminary flight planning</a> |                                      |                 |   |             |  |  |
| Enablers - | AOC-ATM-25   | NIMS-57                              | SWIM-APS-19     | SWIM-APS-20                             | SWIM-APS-21 | SWIM-APS-22                            |  |
| Legend:    | WXYZ-001   | Covered by SLoA(s) in this objective | WXYZ-002<br>zzz | Covered by SLoA(s) in another objective | WXYZ-003    | Not covered in the Implementation Plan |  |

### Applicable legislation

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

### Essential Operational Changes

ATM Interconnected Network

### SESAR Solution

#46 - SWIM Yellow Profile

### ICAO GANP - ASBUs

|           |   |
|-----------|---|
| DAIM-B2/1 | Dissemination of aeronautical information in a SWIM environment |
| SWIM-B3/1 | Air/Ground SWIM for safety critical information                 |

### Deployment Programme

## Implementation Plan Edition 2022

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|                 |  |
|-----------------|--|
| <b>INF10.23</b> | <b>Flight Information Exchange (Yellow Profile) - Extended AMAN SWIM Service</b> |
|-----------------|--|

|       |                             |
|-------|-----------------------------|
| 5.6.1 | Flight Information Exchange |
|-------|-----------------------------|

**European Plan for Aviation Safety**

|          |
|----------|
| - none - |
|----------|

**Operating Environments**

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

**Stakeholder Lines of Action (SLoAs)**

| SLoA ref.      | Title                          | From       | By         |
|----------------|--------------------------------|------------|------------|
| INF10.23-ASP01 | Provide the extended AMAN data | 01/01/2021 | 31/12/2025 |
| INF10.23-ASP02 | Consume the extended AMAN data | 01/01/2021 | 31/12/2025 |
| INF10.23-ASP03 | Operational use                | 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](https://www.eatmportal.eu/working/depl/essip_objectives)

**Expected Performance Benefits**

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

**Detailed SLoA Descriptions**

|                                   |   |   |   |
|-----------------------------------|---|---|---|
| <b>INF10.23-ASP01</b>             | <b>Provide the extended AMAN data</b>   | From:<br><b>Applicability Area 1:</b><br>01/01/2021 | By:<br><b>Applicability Area 1:</b><br>31/12/2025 |
| <b>Action by:</b>                 | <b>ANS Providers</b>  |   |   |
| <b>Description &amp; purpose:</b> | Upgrade of AMAN system to provide extended AMAN data exchanges via a SWIM service to associated En-Route sectors to coordinate the actions to be taken by the cooperative ATSU's to get the best and most efficient arriving flight sequence.<br>This milestone supports the Family 1.1.1 ANSP-DM1: Upgrade ATC systems to support extended AMAN. |   |   |
| <b>Supporting material(s):</b>    | SDM - Standardisation and Regulation support to CP1 deployment 2021, Deliverable D1.1.1 07/2021<br>Url : <a href="https://www.sesardeploymentmanager.eu/publications/deployment-programme">https://www.sesardeploymentmanager.eu/publications/deployment-programme</a>  |   |   |
| <b>Finalisation criteria:</b>     | 1 - The AMAN system provides the extended AMAN data exchanges via a SWIM service.   |   |   |
| <b>INF10.23-ASP02</b>             | <b>Consume the extended AMAN data</b>   | From:<br><b>Applicability Area 1:</b><br>01/01/2021 | By:<br><b>Applicability Area 1:</b><br>31/12/2025 |
| <b>Action by:</b>                 | <b>ANS Providers</b>  |   |   |
| <b>Description &amp; purpose:</b> | Upgrade of ATC system to consume the extended AMAN data exchanges from the AMAN system.<br>This milestone supports the Family 1.1.1 ANSP-DM1: Upgrade ATC systems to support extended AMAN.   |   |   |
| <b>Supporting material(s):</b>    | SDM - Standardisation and Regulation support to CP1 deployment 2021, Deliverable D1.1.1 07/2021<br>Url : <a href="https://www.sesardeploymentmanager.eu/publications/deployment-programme">https://www.sesardeploymentmanager.eu/publications/deployment-programme</a>  |   |   |
| <b>Finalisation criteria:</b>     | 1 - The ATC system consumes the extended AMAN data exchanges via a SWIM service.  |   |   |
| <b>INF10.23-ASP03</b>             | <b>Operational use</b>  | From:<br><b>Applicability Area 1:</b><br>01/01/2021 | By:<br><b>Applicability Area 1:</b><br>31/12/2025 |
| <b>Action by:</b>                 | <b>ANS Providers</b>  |   |   |
| <b>Description &amp; purpose:</b> | 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.  |   |   |

|                                |  |
|--------------------------------|--|
| <b>INF10.23</b>                | <b>Flight Information Exchange (Yellow Profile) - Extended AMAN SWIM Service</b>   |
| <b>Supporting material(s):</b> | SDM - Standardisation and Regulation support to CP1 deployment 2021, Deliverable D1.1.1 07/2021<br>Url : <a href="https://www.sesardeploymentmanager.eu/publications/deployment-programme">https://www.sesardeploymentmanager.eu/publications/deployment-programme</a> |
| <b>Finalisation criteria:</b>  | 1 - The ATC system uses the extended AMAN data exchanged via a SWIM service in daily operations.   |

