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|----------|-----|---|-----|-----|-----|-----|----|-----|-----|-----|
| CP1 | | Active | | | | | | | EU | |
| INF10.20 | | Flight Information Exchange (Yellow Profile) - Notification 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. Flight information exchanges are performed in conformance with the EUROCONTROL SWIM specifications.

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 organisational provisions by concerned stakeholders is pre-requisite for actual deployment and use of FF-ICE/R1 services over SWIM.

Notification service implements the capability to notify FF-ICE-enabled stakeholders about flight departure and arrival events (replacement of DEP and ARR).

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 States | | | |
| Applicability Area 2 | | 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 - | | [AUO-0207]-Preliminary flight planning | | | | | | | | | |
| 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 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 |
|----------------------------|

SESAR Solution

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

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|-----------|----------------------|
| FICE-B2/5 | Notification Service |
|-----------|----------------------|

Deployment Programme

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

| | |
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| INF10.20 | Flight Information Exchange (Yellow Profile) - Notification Service |
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European Plan for Aviation Safety

| | |
|----------|--|
| - none - | |
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Operating Environments

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

Stakeholder Lines of Action (SLoAs)

| SLoA ref. | Title | From | By |
|----------------|---|------------|------------|
| INF10.20-ASP01 | Consume the NM FF-ICE/R1 Notification Service | 01/01/2021 | 31/12/2025 |
| INF10.20-ASP02 | Operational use | 01/01/2021 | 31/12/2025 |
| INF10.20-NM01 | Develop FF-ICE/R1 Notification Service | 01/01/2021 | 31/12/2025 |
| INF10.20-NM02 | Provide the FF-ICE/R1 Notification Service | 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

| INF10.20-ASP01 | Consume the NM FF-ICE/R1 Notification Service | From: | By: |
|-----------------------------------|--|------------------------------|------------------------------|
| | | Applicability Area 1: | Applicability Area 1: |
| | | 01/01/2021 | 31/12/2025 |
| Action by: | ANS Providers | | |
| Description & purpose: | The ANSP systems are upgraded to be able to send the departure and arrival information about eFPLs through the NM FF-ICE/R1 Notification 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 systems consume the NM FF-ICE/R1 Notification Service | | |
| INF10.20-ASP02 | Operational use | From: | By: |
| | | Applicability Area 1: | Applicability Area 1: |
| | | 01/01/2021 | 31/12/2025 |
| 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 - The ANSP systems use the NM FF-ICE/R1 Notification Service in daily operation | | |
| INF10.20-NM01 | Develop FF-ICE/R1 Notification Service | From: | By: |
| | | Applicability Area 1: | Applicability Area 1: |
| | | 01/01/2021 | 31/12/2025 |
| Action by: | NM | | |
| Description & purpose: | The NM system is upgraded to support the FF-ICE/R1 Notification Service in order to be able to receive information about departure and arrival of flights; this service is part of the NM B2B Services. | | |

| INF10.20 | | Flight Information Exchange (Yellow Profile) - Notification 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 FF-ICE/R1 Notification Service is technically available. | | |
| INF10.20-NM02 | Provide the FF-ICE/R1 Notification Service | From: | By: |
| | | Applicability Area 1: 01/01/2021 | Applicability Area 1: 31/12/2025 |
| Action by: | NM | | |
| Description & purpose: | <ul style="list-style-type: none">• Validations and live trials• SWIM compliance activities• Deployment in operations | | |
| 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 FF-ICE/R1 Notification Service is SWIM compliant and available in the SWIM Registry as an operational SWIM compliant service. | | |

