



INF10.8 — Aeronautical Information Exchange - Aeronautical Information Features service

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SWIM comprises standards, infrastructure and governance enabling the management of information and its exchange between operational stakeholders via interoperable services.

This implementation objective is addressing the Aeronautical information feature Service which provides on-request aeronautical information features as a data service. It allows to query and retrieve aeronautical data based on optional filters that may include feature type, feature name and spatial, temporal and logical operators.

Airspace users are not mandated by CP1 in AF5 but are recommended to implement an interface that consumes the information provided by the service and to use the information in daily operations.

System Requirements

This service supports consumption of published AIP and AIP SUP data.

The aeronautical information feature exchange shall be implemented by:

- AISPs that are the primary provider of the service
- Airports when aerodrome information is provided by an Airport
- ANSPs that are the primary consumers of the service and the information it provides

The provider of the aeronautical information feature service ensures systems implementing the service:

- Shall allow the retrieval of aeronautical information features.
- Shall enable filtering by feature type and name.
- Shall allow advanced filtering based on spatial, temporal and logical operators.
- Shall provide the output expressed in the applicable version of AIXM.

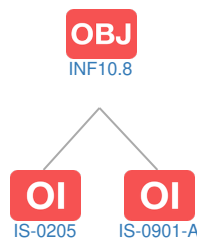
NOTE: For a full description of the services as well as of the associated system requirements, see the Family 5, in the SESAR Deployment Programme edition 2022, Approved by the European Commission.

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 |
| Type | CP1 |
| Scope | ECAC+ |
| Status | Active |

Context

Related Elements



Applicability Area(s) and Timescales

| | |
|------------------------------|--|
| Applicability Area 1: | All EU SES States (All EU SES States) |
| Applicability Area 2: | Georgia, Israel, Morocco, 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

OI Operational Improvement Steps

| Code | Title | IOC | FOC | Related Elements |
|-----------|---|------------|------------|---|
| IS-0205 | Digital Integrated Briefing for pre-flight phase | 31-12-2023 | 31-12-2030 | SOL OI EN OBJ DS ICAO |
| IS-0901-A | SWIM for sharing G/G data, traffic flow management information and aeronautical information | 31-12-2023 | 31-12-2029 | SOL OI EN OBJ DS PCP ICAO |

SOL Links to SESAR Solutions

| Code | Title | Program | Related Elements |
|-----------------|-------|---------|------------------|
| No record found | | | |

PCP Links to PCP ATM Sub-Functionalities

| Code | Title | Related Elements |
|-----------------|-------|------------------|
| No record found | | |

ICAO 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 5.3.1 - Aeronautical 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 Aeronautical Information Feature service | 01-01-2021 | 31-12-2025 | |
| ASP02 | Operational use | 01-01-2021 | 31-12-2025 | |
| AIS01 | Provide aeronautical information features service | 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 | AIS01, ASP01, ASP02 |

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 | - |