### Subject matter and scope

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

Initial system wide information management (iSWIM) is the first element towards SWIM and supports the information exchange based on services that are in conformance with the applicable foundational SWIM specifications. These information services will be delivered over internet protocol (IP)-based networks supported through Common Infrastructure Components (i.e. SWIM Registry and Public Key Infrastructure (PKI)). The applicable foundational SWIM specifications refer to:

- Information services description
- Information definition
- Technical infrastructure - Yellow Profile

This implementation objective is limited to the deployment of information services allowing the information exchanges identified in the Annex of the PCP Regulation No 716/2014, and adhering to the foundational SWIM specification (Information services description, Information definition, Technical infrastructure - Yellow Profile). It consists of services related to:

- Aeronautical information exchange;
- Meteorological information exchange;
- Cooperative network information exchange;
- Flight information exchange

NOTE: This objective will be reviewed in the next edition of the Implementation Plan to ensure its alignment with the latest developments within the SWIM domain.

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)

<table>
<thead>
<tr>
<th>Applicability Area 1</th>
<th>All EU States + Norway and Switzerland</th>
</tr>
</thead>
<tbody>
<tr>
<td>Applicability Area 2</td>
<td>Rest of ECAC States</td>
</tr>
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<th>From:</th>
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<td>31/12/2024</td>
<td>Applicability Area 1</td>
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<tr>
<td>Full operational capability</td>
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</table>

### References

#### European ATM Master Plan

**O1 step** - [IS-0901-A]-SWIM for Step1

<table>
<thead>
<tr>
<th>Enablers</th>
<th>AAMS-06b</th>
<th>ATC-STD-01 FC08</th>
<th>ER APP ATC 160</th>
<th>MIL-0501</th>
<th>MIL-0502</th>
<th>REG-0013</th>
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<td>REG-HNA-54</td>
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<td>STD-033 FC08</td>
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<td>SWIM-APS-03 a</td>
<td>SWIM-APS-04 a</td>
<td>SWIM-APS-05 a</td>
<td>SWIM-APS-06 a</td>
<td>SWIM-APS-07 a</td>
<td>SWIM-GOV-0 5a</td>
<td>SWIM-INF-0 1a</td>
<td>SWIM-INF-0 5a</td>
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**O1 step** - [MET-0101]-Enhanced MET observations, nowcasts and forecasts provided by ATM-MET systems for Step 1

<table>
<thead>
<tr>
<th>Enablers</th>
<th>METEO-03</th>
<th>METEO-04b</th>
<th>METEO-05b</th>
<th>METEO-06b</th>
<th>METEO-08b</th>
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#### Applicable legislation

Regulation (EU) No 716/2014 on the establishment of the Pilot Common Project

ICAO GANP – ASBUs
### Stakeholder Lines of Action (SLoAs)

<table>
<thead>
<tr>
<th>SloA ref.</th>
<th>Title</th>
<th>From</th>
<th>By</th>
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<tbody>
<tr>
<td>INF08.1-ASP01</td>
<td>Implement Aeronautical information exchanges</td>
<td>01/01/2018</td>
<td>31/12/2024</td>
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<tr>
<td>INF08.1-ASP02</td>
<td>Implement Meteorological Information exchanges</td>
<td>01/01/2018</td>
<td>31/12/2024</td>
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<tr>
<td>INF08.1-ASP03</td>
<td>Implement Cooperative Network information exchanges</td>
<td>01/01/2018</td>
<td>31/12/2024</td>
</tr>
<tr>
<td>INF08.1-ASP04</td>
<td>Implement Flight Information exchanges</td>
<td>01/01/2018</td>
<td>31/12/2024</td>
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<td>INF08.1-MILO1</td>
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<td>01/01/2018</td>
<td>31/12/2024</td>
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<td>01/01/2018</td>
<td>31/12/2024</td>
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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)
# Implementation Plan Edition 2018

## Detailed SLoA Descriptions

### INF08.1-ASP01
**Implement Aeronautical information exchanges**

<table>
<thead>
<tr>
<th>From:</th>
<th>By:</th>
</tr>
</thead>
<tbody>
<tr>
<td>01/01/2018</td>
<td>App. Area 1: 31/12/2024 App. Area 2: -</td>
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**Action by:** ANS Providers

**Description & purpose:** The service providers shall exchange aeronautical information via services compliant with the EUROCONTROL SWIM Specifications, as described in Annex 5.1.3. of Commission Regulation (EU) 716/2014. The ANS providers might need to upgrade their infrastructure/systems in line with the services implemented.

**Supporting material(s):**
- EUROCONTROL - SPEC 169 - EUROCONTROL Specification for SWIM Information Definition - 1.0
  - [Url](http://www.eurocontrol.int/publications/eurocontrol-specifications-system-wide-information-management-swim)
- EUROCONTROL - SPEC 168 - EUROCONTROL Specification for SWIM Service Description - 1.0
  - [Url](http://www.eurocontrol.int/publications/eurocontrol-specifications-system-wide-information-management-swim)
- EUROCONTROL - SPEC 170 - EUROCONTROL Specification for SWIM Technical Infrastructure (TI) Yellow Profile - 1.0
  - [Url](http://www.eurocontrol.int/publications/eurocontrol-specifications-system-wide-information-management-swim)

**ATM Master Plan relationship:**
- [SWIM-APS-01a]-Provision of Aeronautical Information services for Step 1
- [SWIM-APS-02a]-Consumption of Aeronautical Information services for Step 1
- [SWIM-INFRA-03a]-High Criticality SWIM Services infrastructure Support and Connectivity
- [SWIM-INFRA-05a]-General SWIM Services infrastructure Support and Connectivity
- [SWIM-NET-01a]-SWIM Network Point of Presence
- [SWIM-SUPT-01a]-SWIM Supporting Registry Provisions
- [SWIM-SUPT-03a]-SWIM Supporting Security Provisions
- [SWIM-SUPT-05a]-SWIM Supporting IP Network Bridging Provisions

**Finalisation criteria:**
1 - Aeronautical information exchanges are performed in conformance with the EUROCONTROL SWIM specifications.

### INF08.1-ASP02
**Implement Meteorological Information exchanges**

<table>
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<tr>
<th>From:</th>
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<td>01/01/2018</td>
<td>App. Area 1: 31/12/2024 App. Area 2: -</td>
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**Action by:** ANS Providers

**Description & purpose:** The ANS service providers (including MET providers) shall exchange meteorological information via services compliant with the EUROCONTROL SWIM Specifications, as described in Annex 5.1.4. of Commission Regulation (EU) 716/2014. The ANS providers might need to upgrade their infrastructure/systems in line with the services implemented.

**Supporting material(s):**
- EUROCONTROL - SPEC 169 - EUROCONTROL Specification for SWIM Information Definition - 1.0
  - [Url](http://www.eurocontrol.int/publications/eurocontrol-specifications-system-wide-information-management-swim)
- EUROCONTROL - SPEC 168 - EUROCONTROL Specification for SWIM Service Description - 1.0
  - [Url](http://www.eurocontrol.int/publications/eurocontrol-specifications-system-wide-information-management-swim)
- EUROCONTROL - SPEC 170 - EUROCONTROL Specification for SWIM Technical Infrastructure (TI) Yellow Profile - 1.0
  - [Url](http://www.eurocontrol.int/publications/eurocontrol-specifications-system-wide-information-management-swim)

**ATM Master Plan relationship:**
- [METEO-03]-Provision and monitoring of real-time airport weather information, Step 1
- [METEO-04b]-Generate and provide MET information services relevant for Airport and final approach related operations, Step 1
- [METEO-05b]-Generate and provide MET information relevant for TMA and En-route related operations, Step 1
- [METEO-06b]-Generate and provide MET information relevant for Network related operations, Step 1
- [METEO-08b]-All-weather remote sensing of high resolution 3D aerodrome wind field
- [SWIM-APS-06a]-Provision of Airport Ground Sensor Meteorological Information Services
- [SWIM-APS-07a]-Stakeholder systems consumption of Meteorological Information services for Step 1
- [SWIM-INFRA-03a]-High Criticality SWIM Services infrastructure Support and Connectivity
- [SWIM-INFRA-05a]-General SWIM Services infrastructure Support and Connectivity
- [SWIM-NET-01a]-SWIM Network Point of Presence
- [SWIM-SUPT-01a]-SWIM Supporting Registry Provisions
- [SWIM-SUPT-03a]-SWIM Supporting Security Provisions
- [SWIM-SUPT-05a]-SWIM Supporting IP Network Bridging Provisions

**Finalisation criteria:**
1 - The exchange of meteorological information is performed in conformance with the EUROCONTROL SWIM specifications.

### INF08.1-ASP03
**Implement Cooperative Network information exchanges**

<table>
<thead>
<tr>
<th>From:</th>
<th>By:</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>App. Area 1: 31/12/2024 App. Area 2: -</td>
</tr>
</tbody>
</table>

**Action by:** ANS Providers

**Description & purpose:**

**Supporting material(s):**
- [METEO-03]-Provision and monitoring of real-time airport weather information, Step 1
- [METEO-04b]-Generate and provide MET information services relevant for Airport and final approach related operations, Step 1
- [METEO-05b]-Generate and provide MET information relevant for TMA and En-route related operations, Step 1
- [METEO-06b]-Generate and provide MET information relevant for Network related operations, Step 1
- [METEO-08b]-All-weather remote sensing of high resolution 3D aerodrome wind field
- [SWIM-APS-06a]-Provision of Airport Ground Sensor Meteorological Information Services
- [SWIM-APS-07a]-Stakeholder systems consumption of Meteorological Information services for Step 1
- [SWIM-INFRA-03a]-High Criticality SWIM Services infrastructure Support and Connectivity
- [SWIM-INFRA-05a]-General SWIM Services infrastructure Support and Connectivity
- [SWIM-NET-01a]-SWIM Network Point of Presence
- [SWIM-SUPT-01a]-SWIM Supporting Registry Provisions
- [SWIM-SUPT-03a]-SWIM Supporting Security Provisions
- [SWIM-SUPT-05a]-SWIM Supporting IP Network Bridging Provisions

**Finalisation criteria:**
1 - The exchange of meteorological information is performed in conformance with the EUROCONTROL SWIM specifications.
## INF08.1 Information Exchanges using the SWIM Yellow TI Profile

<table>
<thead>
<tr>
<th>Action by:</th>
<th>ANS Providers</th>
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</thead>
<tbody>
<tr>
<td>Description &amp; purpose:</td>
<td>The service providers shall exchange cooperative network information relevant to the air traffic flow and capacity management via services compliant with the EUROCONTROL SWIM Specifications, as described in Annex 5.1.5 of Commission Regulation (EU) 716/2014. The ANS providers might need to upgrade their infrastructure/systems in line with the services implemented.</td>
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</table>

### ATM Master Plan relationship:
- [AAMS-06b]-ASM support systems enhanced to exchange static data and airspace usage data with NM systems in AIXM format
- [SWIM-APS-04a]-Consumption of ATFCM Information Services for Step 1
- [SWIM-INF-01a]-General SWIM Services infrastructure Support and Connectivity
- [SWIM-INF-05a]-General SWIM Services infrastructure Support and Connectivity
- [SWIM-NET-01a]-SWIM Network Point of Presence
- [SWIM-SUPT-01a]-SWIM Supporting Registry Provisions
- [SWIM-SUPT-03a]-SWIM Supporting Security Provisions
- [SWIM-SUPT-05a]-SWIM Supporting IP Network Bridging Provisions

| Finalisation criteria: | 1 - The exchange of information relevant to air traffic flow and capacity management is performed in conformance with the EUROCONTROL SWIM specifications. |

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### INF08.1-ASP04 Implement Flight Information exchanges

<table>
<thead>
<tr>
<th>Action by:</th>
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<td>The service providers shall exchange flight information via services compliant with the EUROCONTROL SWIM Specifications, as described in Annex 5.1.6 of Commission Regulation (EU) 716/2014. The ANS providers might need to upgrade their infrastructure/systems in line with the services implemented.</td>
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### ATM Master Plan relationship:
- [ER APP ATC 160]-ATC to ATC Flight Data Exchange Using The Flight Object
- [SWIM-INF-01a]-General SWIM Services infrastructure Support and Connectivity
- [SWIM-INF-05a]-General SWIM Services infrastructure Support and Connectivity
- [SWIM-NET-01a]-SWIM Network Point of Presence
- [SWIM-SUPT-01a]-SWIM Supporting Registry Provisions
- [SWIM-SUPT-03a]-SWIM Supporting Security Provisions
- [SWIM-SUPT-05a]-SWIM Supporting IP Network Bridging Provisions

| Finalisation criteria: | 1 - Flight information exchanges are performed in conformance with the EUROCONTROL SWIM specifications. |

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### INF08.1-MIL01 Implement Aeronautical information exchanges

<table>
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<th>Action by:</th>
<th>Military Authorities</th>
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<td>Description &amp; purpose:</td>
<td>Military authorities shall exchange aeronautical information via services compliant with the EUROCONTROL SWIM Specifications, as described in Annex 5.1.3. of Commission Regulation (EU) 716/2014. The military authorities might need to upgrade their infrastructure/systems in line with the services implemented.</td>
</tr>
</tbody>
</table>

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Implementation Plan Edition 2018
| Supporting material(s): | EUROCONTROL - SPEC 169 - EUROCONTROL Specification for SWIM Information Definition - 1.0  
EUROCONTROL - SPEC 168 - EUROCONTROL Specification for SWIM Service Description - 1.0  
EUROCONTROL - SPEC 170 - EUROCONTROL Specification for SWIM Technical Infrastructure (TI) Yellow Profile - 1.0  
|---|---|
| ATM Master Plan relationship: | [MIL-0502]-Upgrade of military ground systems to allow bi-directional exchanges with non-military IP networks  
[SWIM-APS-01a]-Provision of Aeronautical Information services for Step 1  
[SWIM-APS-02a]-Consumption of Aeronautical Information services for Step 1  
[SWIM-INFRA-01a]-High Criticality SWIM Services infrastructure Support and Connectivity  
[SWIM-INFRA-05a]-General SWIM Services infrastructure Support and Connectivity  
[SWIM-NET-01a]-SWIM Network Point of Presence  
[SWIM-SUPT-01a]-SWIM Supporting Registry Provisions  
[SWIM-SUPT-03a]-SWIM Supporting Security Provisions  
[SWIM-SUPT-05a]-SWIM Supporting IP Network Bridging Provisions |
| Finalisation criteria: | 1 - Aeronautical information exchanges are performed in conformance with the EUROCONTROL SWIM specifications. |

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<td>Action by:</td>
<td>Military Authorities</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Description &amp; purpose:</td>
<td>Military authorities shall exchange of meteorological information via services compliant with the EUROCONTROL SWIM Specifications, as described in Annex 5.1.4. of Commission Regulation (EU) 716/2014. The military authorities might need to upgrade their infrastructure/systems in line with the services implemented.</td>
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| Supporting material(s): | EUROCONTROL - SPEC 169 - EUROCONTROL Specification for SWIM Information Definition - 1.0  
EUROCONTROL - SPEC 168 - EUROCONTROL Specification for SWIM Service Description - 1.0  
EUROCONTROL - SPEC 170 - EUROCONTROL Specification for SWIM Technical Infrastructure (TI) Yellow Profile - 1.0  
| ATM Master Plan relationship: | [MIL-0502]-Upgrade of military ground systems to allow bi-directional exchanges with non-military IP networks  
[SWIM-APS-07a]-Stakeholder systems consumption of Meteorological Information services for Step 1  
[SWIM-INFRA-01a]-High Criticality SWIM Services infrastructure Support and Connectivity  
[SWIM-INFRA-05a]-General SWIM Services infrastructure Support and Connectivity  
[SWIM-NET-01a]-SWIM Network Point of Presence  
[SWIM-SUPT-01a]-SWIM Supporting Registry Provisions  
[SWIM-SUPT-03a]-SWIM Supporting Security Provisions  
[SWIM-SUPT-05a]-SWIM Supporting IP Network Bridging Provisions |
| Finalisation criteria: | 1 - The exchange of meteorological information is performed in conformance with the EUROCONTROL SWIM specifications. | |

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<th>INF08.1-MIL03</th>
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<td>Action by:</td>
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<td>Description &amp; purpose:</td>
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| Supporting material(s): | EUROCONTROL - SPEC 169 - EUROCONTROL Specification for SWIM Information Definition - 1.0  
EUROCONTROL - SPEC 168 - EUROCONTROL Specification for SWIM Service Description - 1.0  
EUROCONTROL - SPEC 170 - EUROCONTROL Specification for SWIM Technical Infrastructure (TI) Yellow Profile - 1.0  
### INF08.1 - Information Exchanges using the SWIM Yellow TI Profile

| ATM Master Plan relationship: | [MIL-0502]-Upgrade of military ground systems to allow bi-directional exchanges with non-military IP networks  
[MIL-0502]-Consumption of ATFCM Information Services for Step 1  
[SWIM-APS-04a]-Consumption of ATFCM Information Services for Step 1  
[SWIM-APS-04a]-Consumption of SWIM APS Information Services for Step 1  
[SWIM-APS-05a]-General SWIM Services infrastructure Support and Connectivity  
[SWIM-APS-05a]-General SWIM Services infrastructure Support and Connectivity  
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[SWIM-APS-05a]-General SWIM Supporting Registry Provisions  
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[SWIM-SUPT-01a]-SWIM Supporting Registry Provisions  
[SWIM-SUPT-03a]-SWIM Supporting Security Provisions  
[SWIM-SUPT-05a]-SWIM Supporting IP Network Bridging Provisions  
[SWIM-NET-01a]-SWIM Network Point of Presence  |
| Finalisation criteria: | 1 - The exchange of information relevant to air traffic flow and capacity management is performed in conformance with the EUROCONTROL SWIM specifications. |

#### INF08.1-MIL04 - Implement Flight Information exchanges

| From: | 01/01/2018 |
| By: | |
| App. Area 1: | 31/12/2024 |
| App. Area 2: | - |

**Action by:** Military Authorities

**Description & purpose:** Military authorities shall exchange flight information via services compliant with the EUROCONTROL SWIM Specifications, as described in Annex 5.1.6. of Commission Regulation (EU) 716/2014. The military authorities might need to upgrade their infrastructure/systems in line with the services implemented.

**Supporting material(s):** EUROCONTROL - SPEC 169 - EUROCONTROL Specification for SWIM Information Definition - 1.0


EUROCONTROL - SPEC 168 - EUROCONTROL Specification for SWIM Service Description - 1.0


EUROCONTROL - SPEC 170 - EUROCONTROL Specification for SWIM Technical Infrastructure (TI) Yellow Profile - 1.0


#### INF08.1-APO01 - Implement Aeronautical information exchanges

| From: | 01/01/2018 |
| By: | |
| App. Area 1: | 31/12/2024 |
| App. Area 2: | - |

**Action by:** Airport Operators

**Description & purpose:** Airport operators shall exchange aeronautical information via services compliant with the EUROCONTROL SWIM Specifications, as described in Annex 5.1.3. of Commission Regulation (EU) 716/2014. The airport operators might need to upgrade their infrastructure/systems in line with the services implemented.

**Supporting material(s):** EUROCONTROL - SPEC 169 - EUROCONTROL Specification for SWIM Information Definition - 1.0


EUROCONTROL - SPEC 168 - EUROCONTROL Specification for SWIM Service Description - 1.0


EUROCONTROL - SPEC 170 - EUROCONTROL Specification for SWIM Technical Infrastructure (TI) Yellow Profile - 1.0


#### INF08.1-APO02 - Implement Meteorological Information exchanges

| From: |  | By: |
| App. Area 1: | 31/12/2024 |
| App. Area 2: | - |

**Action by:** Airport Operators

**Description & purpose:** Airport operators shall exchange aeronautical information via services compliant with the EUROCONTROL SWIM Specifications, as described in Annex 5.1.3. of Commission Regulation (EU) 716/2014. The airport operators might need to upgrade their infrastructure/systems in line with the services implemented.

**Supporting material(s):** EUROCONTROL - SPEC 169 - EUROCONTROL Specification for SWIM Information Definition - 1.0


EUROCONTROL - SPEC 168 - EUROCONTROL Specification for SWIM Service Description - 1.0


EUROCONTROL - SPEC 170 - EUROCONTROL Specification for SWIM Technical Infrastructure (TI) Yellow Profile - 1.0


**ATM Master Plan relationship:** [MIL-0502]-Upgrade of military ground systems to allow bi-directional exchanges with non-military IP networks  
[SWIM-APS-04a]-Consumption of ATFCM Information Services for Step 1  
[SWIM-APS-04a]-Consumption of SWIM APS Information Services for Step 1  
[SWIM-APS-05a]-General SWIM Services infrastructure Support and Connectivity  
[SWIM-APS-05a]-General SWIM Services infrastructure Support and Connectivity  
[SWIM-APS-05a]-General SWIM Network Point of Presence  
[SWIM-APS-05a]-General SWIM Supporting Registry Provisions  
[SWIM-APS-05a]-General SWIM Supporting IP Network Bridging Provisions  
[SWIM-INFR-01a]-High Criticality SWIM Services infrastructure Support and Connectivity  
[SWIM-INFR-05a]-General SWIM Services infrastructure Support and Connectivity  
[SWIM-INFR-05a]-General SWIM Network Point of Presence  
[SWIM-SUPT-01a]-SWIM Supporting Registry Provisions  
[SWIM-SUPT-03a]-SWIM Supporting Security Provisions  
[SWIM-SUPT-05a]-SWIM Supporting IP Network Bridging Provisions  
[SWIM-NET-01a]-SWIM Network Point of Presence  

**Finalisation criteria:** 1 - Aeronautical information exchanges are performed in conformance with the EUROCONTROL SWIM specifications.
<table>
<thead>
<tr>
<th>INF08.1</th>
<th>Information Exchanges using the SWIM Yellow TI Profile</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Action by:</strong></td>
<td>Airport Operators</td>
</tr>
<tr>
<td><strong>Description &amp; purpose:</strong></td>
<td>Airport operators shall exchange meteorological information via services compliant with the EUROCONTROL SWIM Specifications, as described in Annex 5.1.4. of Commission Regulation (EU) 716/2014. The airport operators might need to upgrade their infrastructure/systems in line with the services implemented.</td>
</tr>
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</table>
| **Supporting material(s):** | EUROCONTROL - SPEC 169 - EUROCONTROL Specification for SWIM Information Definition - 1.0  
EUROCONTROL - SPEC 168 - EUROCONTROL Specification for SWIM Service Description - 1.0  
EUROCONTROL - SPEC 170 - EUROCONTROL Specification for SWIM Technical Infrastructure (TI) Yellow Profile - 1.0  
| **ATM Master Plan relationship:** | |  
[METEO-03]-Provision and monitoring of real-time airport weather information, Step 1  
[METEO-04b]-Generate and provide MET information services relevant for Airport and final approach related operations, Step 1  
[METEO-05b]-Generate and provide MET information relevant for TMA and En-route related operations, Step 1  
[METEO-06b]-Generate and provide MET information relevant for Network related operations, Step 1  
[METEO-08b]-All-weather remote sensing of high resolution 3D aerodrome wind field  
[SWIM-APS-06a]-Provision of Airport Ground Sensor Meteorological Information Services  
[SWIM-APS-07a]-Stakeholder systems consumption of Meteorological Information services for Step 1  
[SWIM-INFR-05a]-General SWIM Services infrastructure Support and Connectivity  
[SWIM-NET-01a]-SWIM Network Point of Presence  
[SWIM-SUPT-05a]-SWIM Supporting IP Network Bridging Provisions |
| **Finalisation criteria:** | 1 - The exchange of meteorological information is performed in conformance with the EUROCONTROL SWIM specifications. |

<table>
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<tr>
<th>INF08.1-APO03</th>
<th>Implement Cooperative Network information exchanges</th>
<th>From: 01/01/2018</th>
<th>By:</th>
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<tr>
<td>Action by:</td>
<td>Airport Operators</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Description &amp; purpose:</td>
<td>Airport operators shall exchange cooperative network information relevant to the air traffic flow and capacity management via services compliant with the EUROCONTROL SWIM Specifications, as described in Annex 5.1.5 of Commission Regulation (EU) 716/2014. The airport operators might need to upgrade their infrastructure/systems in line with the services implemented.</td>
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</table>
| Supporting material(s): | EUROCONTROL - SPEC 169 - EUROCONTROL Specification for SWIM Information Definition - 1.0  
EUROCONTROL - SPEC 168 - EUROCONTROL Specification for SWIM Service Description - 1.0  
EUROCONTROL - SPEC 170 - EUROCONTROL Specification for SWIM Technical Infrastructure (TI) Yellow Profile - 1.0  
| ATM Master Plan relationship: | |  
[SWIM-APS-04a]-Consumption of ATFCM Information Services for Step 1  
[SWIM-INFR-05a]-General SWIM Services infrastructure Support and Connectivity  
[SWIM-NET-01a]-SWIM Network Point of Presence  
[SWIM-SUPT-05a]-SWIM Supporting IP Network Bridging Provisions |
| Finalisation criteria: | 1 - The exchange of information relevant to air traffic flow and capacity management is performed in conformance with the EUROCONTROL SWIM specifications. | | |

<table>
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<tr>
<th>INF08.1-APO04</th>
<th>Implement Flight Information exchanges</th>
<th>From: 01/01/2018</th>
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<tr>
<td>Action by:</td>
<td>Airport Operators</td>
<td></td>
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<tr>
<td>Description &amp; purpose:</td>
<td>The airport operators shall exchange flight information via services compliant with the EUROCONTROL SWIM Specifications, as described in Annex 5.1.6 of Commission Regulation (EU) 716/2014. The airport operators might need to upgrade their infrastructure/systems in line with the services implemented.</td>
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</tr>
</tbody>
</table>

*Implementation Plan Edition 2018*
### INF08.1-USE01 Implement Aeronautical information exchanges

| Action by: | Airspace Users |
| Description & purpose: | Airspace users shall exchange aeronautical information via services compliant with the EUROCONTROL SWIM Specifications, as described in Annex 5.1.3. of Commission Regulation (EU) 716/2014. The airspace users might need to upgrade their infrastructure/systems in line with the services implemented. |
| Supporting material(s): | EUROCONTROL - SPEC 169 - EUROCONTROL Specification for SWIM Information Definition - 1.0 [Url](http://www.eurocontrol.int/publications/eurocontrol-specifications-system-wide-information-management-swim)  
EUROCONTROL - SPEC 168 - EUROCONTROL Specification for SWIM Service Description - 1.0 [Url](http://www.eurocontrol.int/publications/eurocontrol-specifications-system-wide-information-management-swim)  
EUROCONTROL - SPEC 170 - EUROCONTROL Specification for SWIM Technical Infrastructure (TI) Yellow Profile - 1.0 [Url](http://www.eurocontrol.int/publications/eurocontrol-specifications-system-wide-information-management-swim) |
| ATM Master Plan relationship: | [SWIM-APS-04a]-Consumption of ATFCM Information Services for Step 1  
 [SWIM-INFR-05a]-General SWIM Services infrastructure Support and Connectivity  
 [SWIM-NET-01a]-SWIM Network Point of Presence  
 [SWIM-SUPT-05a]-SWIM Supporting IP Network Bridging Provisions |
| Finalisation criteria: | 1 - The exchange of flight information is performed in conformance with the EUROCONTROL SWIM specifications. |

| INF08.1-USE01 | From: 01/01/2018 | By: 31/12/2024 |
| INF08.1-USE01 | App. Area 1: 31/12/2024 | App. Area 2: - |

### INF08.1-USE02 Implement Meteorological Information exchanges

| Action by: | Airspace Users |
| Description & purpose: | Airspace users shall exchange meteorological information via services compliant with the EUROCONTROL SWIM Specifications, as described in Annex 5.1.4. of Commission Regulation (EU) 716/2014. The airspace users might need to upgrade their infrastructure/systems in line with the services implemented. |
| Supporting material(s): | EUROCONTROL - SPEC 169 - EUROCONTROL Specification for SWIM Information Definition - 1.0 [Url](http://www.eurocontrol.int/publications/eurocontrol-specifications-system-wide-information-management-swim)  
EUROCONTROL - SPEC 168 - EUROCONTROL Specification for SWIM Service Description - 1.0 [Url](http://www.eurocontrol.int/publications/eurocontrol-specifications-system-wide-information-management-swim)  
EUROCONTROL - SPEC 170 - EUROCONTROL Specification for SWIM Technical Infrastructure (TI) Yellow Profile - 1.0 [Url](http://www.eurocontrol.int/publications/eurocontrol-specifications-system-wide-information-management-swim) |
| ATM Master Plan relationship: | [SWIM-APS-02a]-Consumption of Aeronautical Information services for Step 1  
 [SWIM-INFR-05a]-General SWIM Services infrastructure Support and Connectivity  
 [SWIM-NET-01a]-SWIM Network Point of Presence  
 [SWIM-SUPT-05a]-SWIM Supporting IP Network Bridging Provisions |
| Finalisation criteria: | 1 - Aeronautical information exchanges are performed in conformance with the EUROCONTROL SWIM specifications. |

| INF08.1-USE02 | From: 01/01/2018 | By: 31/12/2024 |
| INF08.1-USE02 | App. Area 1: 31/12/2024 | App. Area 2: - |

### INF08.1-USE03 Implement Cooperative Network information exchanges

| Action by: | Airspace Users |
| Description & purpose: | The exchange of meteorological information is performed in conformance with the EUROCONTROL SWIM specifications. |
| Supporting material(s): | EUROCONTROL - SPEC 169 - EUROCONTROL Specification for SWIM Information Definition - 1.0 [Url](http://www.eurocontrol.int/publications/eurocontrol-specifications-system-wide-information-management-swim)  
EUROCONTROL - SPEC 168 - EUROCONTROL Specification for SWIM Service Description - 1.0 [Url](http://www.eurocontrol.int/publications/eurocontrol-specifications-system-wide-information-management-swim)  
EUROCONTROL - SPEC 170 - EUROCONTROL Specification for SWIM Technical Infrastructure (TI) Yellow Profile - 1.0 [Url](http://www.eurocontrol.int/publications/eurocontrol-specifications-system-wide-information-management-swim) |
| ATM Master Plan relationship: | [SWIM-APS-07a]-Stakeholder systems consumption of Meteorological Information services for Step 1  
 [SWIM-INFR-05a]-General SWIM Services infrastructure Support and Connectivity  
 [SWIM-NET-01a]-SWIM Network Point of Presence  
 [SWIM-SUPT-05a]-SWIM Supporting IP Network Bridging Provisions |
| Finalisation criteria: | 1 - The exchange of meteorological information is performed in conformance with the EUROCONTROL SWIM specifications. |

| INF08.1-USE03 | From: 01/01/2018 | By: 31/12/2024 |
| INF08.1-USE03 | App. Area 1: 31/12/2024 | App. Area 2: - |
**INF08.1 Information Exchanges using the SWIM Yellow TI Profile**

**Description & purpose:** Airspace users shall exchange cooperative network information relevant to the air traffic flow and capacity management via services compliant with the EUROCONTROL SWIM Specifications, as described in Annex 5.1.5 of Commission Regulation (EU) 716/2014. The airspace users might need to upgrade their infrastructure/systems in line with the services implemented.

**Supporting material(s):**
- EUROCONTROL - SPEC 169 - EUROCONTROL Specification for SWIM Information Definition - 1.0
  - [Url](http://www.eurocontrol.int/publications/eurocontrol-specifications-system-wide-information-management-swim)
- EUROCONTROL - SPEC 168 - EUROCONTROL Specification for SWIM Service Description - 1.0
  - [Url](http://www.eurocontrol.int/publications/eurocontrol-specifications-system-wide-information-management-swim)
- EUROCONTROL - SPEC 170 - EUROCONTROL Specification for SWIM Technical Infrastructure (TI) Yellow Profile - 1.0
  - [Url](http://www.eurocontrol.int/publications/eurocontrol-specifications-system-wide-information-management-swim)

**ATM Master Plan relationship:**
- [SWIM-APS-04a]-Consumption of ATFCM Information Services for Step 1
- [SWIM-INFR-05a]-General SWIM Services infrastructure Support and Connectivity
- [SWIM-NET-01a]-SWIM Network Point of Presence
- [SWIM-SUPT-05a]-SWIM Supporting IP Network Bridging Provisions

**Finalisation criteria:** 1 - The exchange of information relevant to air traffic flow and capacity management is performed in conformance with the EUROCONTROL SWIM specifications.

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**INF08.1-USE04 Implement Flight Information exchanges**

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<td>31/12/2024</td>
</tr>
</tbody>
</table>

**Action by:** Airspace Users

**Description & purpose:** Airspace users shall exchange flight information via services compliant with the EUROCONTROL SWIM Specifications, as described in Annex 5.1.6 of Commission Regulation (EU) 716/2014. The airspace users might need to upgrade their infrastructure/systems in line with the services implemented.

**Supporting material(s):**
- EUROCONTROL - SPEC 169 - EUROCONTROL Specification for SWIM Information Definition - 1.0
  - [Url](http://www.eurocontrol.int/publications/eurocontrol-specifications-system-wide-information-management-swim)
- EUROCONTROL - SPEC 168 - EUROCONTROL Specification for SWIM Service Description - 1.0
  - [Url](http://www.eurocontrol.int/publications/eurocontrol-specifications-system-wide-information-management-swim)
- EUROCONTROL - SPEC 170 - EUROCONTROL Specification for SWIM Technical Infrastructure (TI) Yellow Profile - 1.0
  - [Url](http://www.eurocontrol.int/publications/eurocontrol-specifications-system-wide-information-management-swim)

**ATM Master Plan relationship:**
- [SWIM-APS-04a]-Consumption of ATFCM Information Services for Step 1
- [SWIM-INFR-05a]-General SWIM Services infrastructure Support and Connectivity
- [SWIM-NET-01a]-SWIM Network Point of Presence
- [SWIM-SUPT-05a]-SWIM Supporting IP Network Bridging Provisions

**Finalisation criteria:** 1 - The exchange of flight information is performed in conformance with the EUROCONTROL SWIM specifications.

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**INF08.1-NM01 Implement Aeronautical information exchanges**

<table>
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<tr>
<th>From:</th>
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<tbody>
<tr>
<td>01/01/2018</td>
<td>31/12/2024</td>
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</table>

**Action by:** NM

**Description & purpose:** The Network Manager shall exchange aeronautical via services compliant with the EUROCONTROL SWIM Specifications, as described in Annex 5.1.3. of Commission Regulation (EU) 716/2014. The NM might need to upgrade their infrastructure/systems in line with the services implemented.

**Supporting material(s):**
- EUROCONTROL - SPEC 169 - EUROCONTROL Specification for SWIM Information Definition - 1.0
  - [Url](http://www.eurocontrol.int/publications/eurocontrol-specifications-system-wide-information-management-swim)
- EUROCONTROL - SPEC 168 - EUROCONTROL Specification for SWIM Service Description - 1.0
  - [Url](http://www.eurocontrol.int/publications/eurocontrol-specifications-system-wide-information-management-swim)
- EUROCONTROL - SPEC 170 - EUROCONTROL Specification for SWIM Technical Infrastructure (TI) Yellow Profile - 1.0
  - [Url](http://www.eurocontrol.int/publications/eurocontrol-specifications-system-wide-information-management-swim)

**ATM Master Plan relationship:**
- [SWIM-APS-01a]-Provision of Aeronautical Information services for Step 1
- [SWIM-INFR-01a]-High Criticality SWIM Services infrastructure Support and Connectivity
- [SWIM-NET-01a]-SWIM Network Point of Presence
- [SWIM-SUPT-01a]-SWIM Supporting Registry Provisions
- [SWIM-SUPT-03a]-SWIM Supporting Security Provisions
- [SWIM-SUPT-05a]-SWIM Supporting IP Network Bridging Provisions

**Finalisation criteria:** 1 - Aeronautical information exchanges are performed in conformance with the EUROCONTROL SWIM specifications.
### INF08.1-NM02: Implement Meteorological Information exchanges

**From:** 01/01/2018  
**By:**  
**App. Area 1:** 31/12/2024  
**App. Area 2:** -

**Action by:** NM  

**Description & purpose:** The Network Manager shall exchange meteorological information via services compliant with the EUROCONTROL SWIM Specifications, as described in Annex 5.1.4. of Commission Regulation (EU) 716/2014. The NM might need to upgrade their infrastructure/systems in line with the services implemented.

**Supporting material(s):**  
- EUROCONTROL - SPEC 169 - EUROCONTROL Specification for SWIM Information Definition - 1.0  
- EUROCONTROL - SPEC 168 - EUROCONTROL Specification for SWIM Service Description - 1.0  
- EUROCONTROL - SPEC 170 - EUROCONTROL Specification for SWIM Technical Infrastructure (TI) Yellow Profile - 1.0  

**ATM Master Plan relationship:**  
- [METEO-06b]-Generate and provide MET information relevant for Network related operations, Step 1  
- [SWIM-APS-07a]-Stakeholder systems consumption of Meteorological Information services for Step 1  
- [SWIM-INFR-01a]-High Criticality SWIM Services infrastructure Support and Connectivity  
- [SWIM-NET-01a]-SWIM Network Point of Presence  
- [SWIM-SUPT-01a]-SWIM Supporting Registry Provisions  
- [SWIM-SUPT-03a]-SWIM Supporting Security Provisions  
- [SWIM-SUPT-05a]-SWIM Supporting IP Network Bridging Provisions

**Finalisation criteria:**  
1. The exchange of meteorological information is performed in conformance with the EUROCONTROL SWIM specifications.

### INF08.1-NM03: Implement Cooperative Network information exchanges

**From:** 01/01/2018  
**By:**  
**App. Area 1:** 31/12/2024  
**App. Area 2:** -

**Action by:** NM  

**Description & purpose:** The Network Manager shall exchange cooperative network information relevant to the air traffic flow and capacity management via services compliant with the EUROCONTROL SWIM Specifications, as described in Annex 5.1.5 of Commission Regulation (EU) 716/2014. The NM might need to upgrade their infrastructure/systems in line with the services implemented.

**Supporting material(s):**  
- EUROCONTROL - SPEC 169 - EUROCONTROL Specification for SWIM Information Definition - 1.0  
- EUROCONTROL - SPEC 168 - EUROCONTROL Specification for SWIM Service Description - 1.0  
- EUROCONTROL - SPEC 170 - EUROCONTROL Specification for SWIM Technical Infrastructure (TI) Yellow Profile - 1.0  

**ATM Master Plan relationship:**  
- [SWIM-APS-03a]-Provision of ATFCM Information Services for Step 1  
- [SWIM-APS-04a]-Consumption of ATFCM Information Services for Step 1  
- [SWIM-INFR-01a]-High Criticality SWIM Services infrastructure Support and Connectivity  
- [SWIM-NET-01a]-SWIM Network Point of Presence  
- [SWIM-SUPT-01a]-SWIM Supporting Registry Provisions  
- [SWIM-SUPT-03a]-SWIM Supporting Security Provisions  
- [SWIM-SUPT-05a]-SWIM Supporting IP Network Bridging Provisions

**Finalisation criteria:**  
1. The exchange of information relevant to air traffic flow and capacity management is performed in conformance with the EUROCONTROL SWIM specifications.

### INF08.1-NM04: Implement Flight Information exchanges

**From:** 01/01/2018  
**By:**  
**App. Area 1:** 31/12/2024  
**App. Area 2:** -

**Action by:** NM  

**Description & purpose:** The Network Manager shall exchange flight information via services compliant with the EUROCONTROL SWIM Specifications, as described in Annex 5.1.6 of Commission Regulation (EU) 716/2014. The NM might need to upgrade their infrastructure/systems in line with the services implemented.
| Supporting material(s): | EUROCONTROL - SPEC 169 - EUROCONTROL Specification for SWIM Information Definition - 1.0  
|                       | EUROCONTROL - SPEC 168 - EUROCONTROL Specification for SWIM Service Description - 1.0  
|                       | EUROCONTROL - SPEC 170 - EUROCONTROL Specification for SWIM Technical Infrastructure (TI) Yellow Profile - 1.0  

| ATM Master Plan relationship: | [SWIM-APS-03a]-Provision of ATFCM Information Services for Step 1  
|                               | [SWIM-APS-04a]-Consumption of ATFCM Information Services for Step 1  
|                               | [SWIM-INFR-01a]-High Criticality SWIM Services infrastructure Support and Connectivity  
|                               | [SWIM-NET-01a]-SWIM Network Point of Presence  
|                               | [SWIM-SUPT-01a]-SWIM Supporting Registry Provisions  
|                               | [SWIM-SUPT-03a]-SWIM Supporting Security Provisions  
|                               | [SWIM-SUPT-05a]-SWIM Supporting IP Network Bridging Provisions  

| Finalisation criteria: | 1 - The exchange of flight information is performed in conformance with the EUROCONTROL SWIM specifications. |