



# FCM08 — Extended Flight Plan

To achieve a common trajectory for ATM planning purposes, the Initial Trajectory Information Sharing requires the improvements in three main areas: quality and completeness of input information, the trajectory calculation method and sharing of the results. The trajectory information will allow a common view on planned trajectories to the various Stakeholders to be used to fulfill their different responsibilities.

The Extended Flight Plan (e-FPL) represents one of the system requirements supporting the Initial Trajectory Information. This objective addresses the message exchange between NM systems, ANSPs ATM system and AU/FOC /WOC flight plan filing systems in respect of collaborative flight planning, improving flight plan distribution and enhanced tactical flow management, using the e-FPL.

The e-FPL will include the planned 4D trajectory of the flight as well as flight performance data in addition to ICAO 2012 FPL data. The first phase that will be implemented should address only the exchange of e-FPL information between AUs and NM. The transmission of e-FPL data to ANSP (flight plan distribution) will be implemented when transition to FF-ICE provisions is achieved.

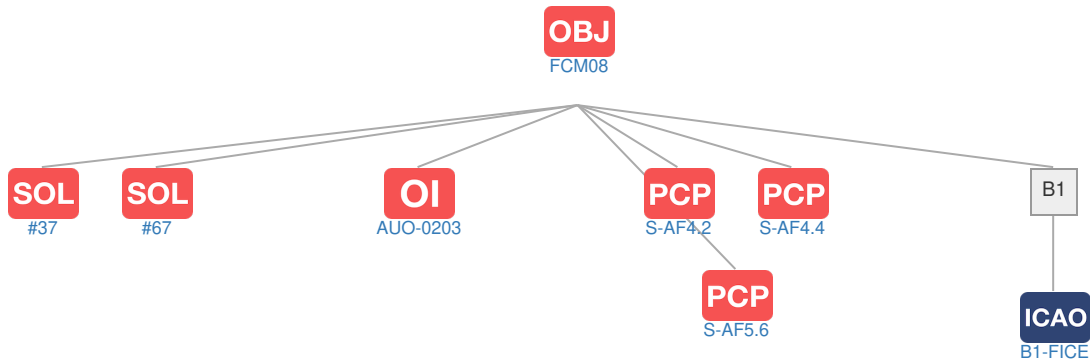
e-FPL will be processed by AU flight planning systems and sent to IFPS. Initially the Extended Flight Plan exchange will be implemented using the flight data model developed by the NM for B2B and that is currently used for operations. Subsequently, as the FIXM version corresponding to FF-ICE/1 becomes available, the e-FPL will be migrated to FIXM.

*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 MIL Authorities.*

<b>Edition</b>	2022
<b>Stakeholders</b>	Air Navigation Service Provider / Airspace Users / Network Manager
<b>Type</b>	PCP
<b>Scope</b>	ECAC+
<b>Status</b>	Removed

## Context

### Related Elements



## Applicability Area(s) and Timescales

**Applicability Area:** All ECAC States except: Malta. Plus: Israel

Timescales	From	By	Applicable to
Initial operational capability	01-01-2016	-	Applicability Area
Full operational capability	-	01-01-2022	Applicability Area

## Links to ATM Master Plan Level 2

### **OI** Operational Improvement Steps

Code	Title	IOC	FOC	Related Elements
AUO-0203	EFPL in NM processes	01-07-2022	01-07-2026	<div style="display: flex; flex-wrap: wrap; gap: 5px;"> <span>SOL</span> <span>OI</span> <span>EN</span> <span>OBJ</span> <span>DS</span> <span>PCP</span> <span>ICAO</span> </div>

### **SOL** Links to SESAR Solutions

Code	Title	Program	Related Elements
#37	Extended Flight Plan	SESAR1	<div style="display: flex; flex-wrap: wrap; gap: 5px;"> <span>SOL</span> <span>OI</span> <span>OBJ</span> <span>DS</span> <span>EOC</span> <span>PCP</span> <span>ICAO</span> </div>
#67	AOC data increasing trajectory prediction accuracy	SESAR1	<div style="display: flex; flex-wrap: wrap; gap: 5px;"> <span>PJ</span> <span>OI</span> <span>OBJ</span> <span>DS</span> <span>EOC</span> <span>PCP</span> <span>ICAO</span> </div>

### **PCP** Links to PCP ATM Sub-Functionalities

Code	Title	Related Elements
S-AF4.2	Collaborative NOP	<div style="display: flex; flex-wrap: wrap; gap: 5px;"> <span>SOL</span> <span>OI</span> <span>EN</span> <span>OBJ</span> <span>ICAO</span> </div>
S-AF4.4	Automated Support for Traffic Complexity Assessment	<div style="display: flex; flex-wrap: wrap; gap: 5px;"> <span>SOL</span> <span>OI</span> <span>EN</span> <span>OBJ</span> <span>ICAO</span> </div>
S-AF5.6	Flight information exchange	<div style="display: flex; flex-wrap: wrap; gap: 5px;"> <span>SOL</span> <span>OI</span> <span>EN</span> <span>OBJ</span> <span>ICAO</span> </div>

### **ICAO** ICAO Block Modules

Designator	Title	Related Elements
B1		
B1-FICE	Increased Interoperability, Efficiency and Capacity through FF-ICE, STEP 1 application before departure	<div style="display: flex; flex-wrap: wrap; gap: 5px;"> <span>SOL</span> <span>OI</span> <span>OBJ</span> <span>PCP</span> </div>

## References

#### Applicable legislation

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

#### Applicable ICAO Annexes and other references

None

#### Deployment Programme 2022

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#### Operating Environments

Airport

Terminal Airspace

En-Route

Network

## Expected Performance Benefits

<b>Safety</b>	Increased safety due to better traffic predictability. Reduction of over-delivery risk.
<b>Capacity</b>	-
<b>Operational efficiency</b>	Executed trajectory closer to Airspace User's preferences. Enhanced tactical flow management allows improved operational efficiency through better predictability.
<b>Cost efficiency</b>	-
<b>Environment</b>	-
<b>Security</b>	-

## Stakeholder Lines of Action

Code	Title	From	By	Related Enablers
ASP01	Upgrade the ground systems and develop the associated procedures.	01-01-2018	31-12-2021	EN
ASP02	Develop, and deliver as necessary, a safety assessment	01-01-2018	31-12-2021	
USE01	Upgrade the flight planning systems	01-01-2016	31-12-2021	EN
USE02	Train the personnel	01-01-2016	31-12-2021	
NM01	Upgrade the NM systems and develop the associated procedures related to e-FPL	01-01-2016	31-12-2021	EN
NM02	Upgrade the NM systems and develop the associated procedures related to FF-ICE/1	01-01-2018	31-12-2021	EN

## Supporting Material

Title	Related SLoAs
EUROCONTROL - EAM 4 - ESARR 4 - Risk Assessment and Mitigation in ATM - Edition 1.0 / 04/2001 <a href="https://www.eurocontrol.int/publication/esarr-4-risk-assessment-and-mitigation-atm">https://www.eurocontrol.int/publication/esarr-4-risk-assessment-and-mitigation-atm</a>	ASP02

## Consultation & Approval

<b>Working Arrangement in charge</b>	NETOPS
<b>Outline description approved in</b>	-
<b>Latest objective review at expert level</b>	05/2016
<b>Commitment Decision Body</b>	Provisional Council (PC)
<b>Objective approved/endorsed in</b>	09/2016
<b>Latest change to objective approved/endorsed in</b>	09/2017