



FCM04.2 — Enhanced Short Term ATFCM Measures

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ATFCM is coordinated at network level by the Network Manager and at local level by the flow management position to support hot-spot detection, execution of Short-Term ATFCM Measures (STAM), network assessment and continuous monitoring of network activity. STAM is established requiring coordination between Air Traffic Control, Airport, Airspace Users and Network Manager.

Tactical capacity management using STAM shall ensure a close and efficient coordination between ATC and the network management function. Tactical capacity management shall implement STAM using cooperative decision-making to manage flow before flights enter a sector.

Additional tasks relevant to the STAM scope should encompass:

- utilisation of approved STAM concept of operations;
- development of operational guidance documentation;
- development of training package;
- development of harmonized operational procedures.

ANSP, AU and airport will apply harmonized operational procedures, taking into account the STAM prerequisites such as the traffic information and flight predictability.

Airspace Users should at minimum update their flight plans, manage the slot and the mandatory rerouting, but could also provide simple priorities, participate to CDM process, manage rerouting proposal.

System requirements:

NM systems shall implement the STAM functionalities and shall support the coordination of STAM measures implementation, including Network Impact assessment capabilities.

The STAM tool should include occupancy traffic monitoring values (OTMV), hotspot detection and coordination. The enhancements should mainly focus on:

- enhanced monitoring techniques (including hotspot management and complexity indicators);
- coordination systems (including interfaces with local tools);
- what-if function (local measures, flight-based, flow-based and multiple measure alternative);
- network impact assessment.

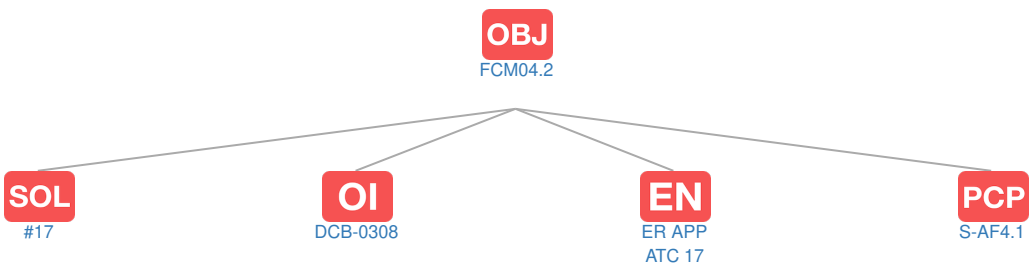
ANSP and AU shall use either the NM-provided STAM application or may deploy local tools, which shall interact with the NM systems using SWIM services, when and where available, at the latest by December 2025.

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 / Airspace Users / Network Manager
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:	Albania, Bosnia and Herzegovina, Montenegro, North Macedonia, Serbia, Türkiye, United Kingdom

Timescales	From	By	Applicable to
Initial operational capability	01-11-2017	-	Applicability Area 1 + Applicability Area 2
Full Operational Capability / Target Date	-	31-12-2022	Applicability Area 1 + Applicability Area 2

Links to ATM Master Plan Level 2

OI Operational Improvement Steps

Code	Title	IOC	FOC	Related Elements
DCB-0308	Advanced Short Term ATFCM	31-12-2020	01-10-2025	SOL OI EN OBJ DS PCP ICAO 

EN Enablers

Code	Title	IOC	Related Elements
ER APP ATC 17	Enhance Traffic and Flow Management sub-systems to support dynamic flow management in co-ordination with local, regional, and European levels.	31-12-2019	STK OI OBJ DS PCP

SOL Links to SESAR Solutions

Code	Title	Program	Related Elements
#17	Advanced Short-Term ATFCM Measures (STAM)	SESAR1	SOL OI OBJ DS EOC PCP ICAO

PCP Links to PCP ATM Sub-Functionalities

Code	Title	Related Elements
S-AF4.1	Enhanced Short Term ATFCM Measures	SOL OI EN OBJ ICAO

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 4.1.1 - Enhanced Short Term ATFCM Measures

Operating Environments

En-Route

Network

Expected Performance Benefits

Safety	Improved situational awareness of the European network.
Capacity	Better use of airspace capacity in terminal and enroute airspace.
Operational efficiency	-
Cost efficiency	Increased cost efficiency.
Environment	Better use of airspace capacity in terminal and enroute airspace.
Security	-

Stakeholder Lines of Action

Code	Title	From	By	Related Enablers
ASP01	Develop STAM procedure	01-11-2017	31-12-2022	EN
ASP02	Upgrade and use the local systems	01-11-2017	31-12-2022	EN
ASP03	Use of NM STAM application	01-11-2017	31-12-2022	
ASP04	Safety assessment	01-11-2017	31-12-2022	
ASP05	Training	01-11-2017	31-12-2022	EN
ASP06	Operational use	01-11-2017	31-12-2022	EN
USE01	Follow the validity of the flight plan and ATFM slot vs STAM measure	01-11-2017	31-12-2022	
NM01	Develop STAM procedures and upgrade the local systems	01-11-2017	31-12-2022	
NM02	Provide interface between NM and local tool	01-11-2017	31-12-2022	
NM03	Safety assessment	01-11-2017	31-12-2022	
NM04	Training	01-11-2017	31-12-2022	
NM05	Operational use	01-11-2017	31-12-2022	

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	ASP01, ASP02, ASP03, ASP04, ASP05, ASP06, NM01, NM02, NM03, NM04, NM05, USE01

Consultation & Approval

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