SES	AR				Active				L	.OC
ATC	:18			м	ulti-Sector	Planning E	n-route - 1F	•2Т		
REG	ASP	MIL	ΑΡΟ	USE	INT	IND	NM	MET	AIS	USP

Subject matter and scope

The multi-sector planner (MSP) defines a new organisation of controller team(s) and new operating procedures to enable the planning controller to provide support to several tactical controllers operating in different adjacent en-route sectors.

This Implementation Objective proposes a structure whereby, in en-route sectors, a single planner controller (P) is planning and organising the traffic flows for two tactical controllers (T), each of whom is controlling a different sector (1P-2T configuration). There is no need for exit/entry coordination with the airspace volume of multi-sector planner however, the coordination capability with adjacent planner/multi-planner should remain.

In order to guarantee that the workload of the multi-sector planner remains comfortable, even when the executive controllers face traffic levels which are not especially low, some enhancements to the planning tools are needed, improving the efficiency of the planning and decision-making processes.

This concept is intended for operation with suitably configured flight data processing components, flexible allocation of ATC roles and volumes and multi-sector planning.

NOTE 1: A further phase of concept development will extend the concept for MSP during SESAR 2020 to (1P-nT) (SESAR Solution PJ10.1.a) and a further evolution of the MSP concept will develop a novel way of working without the necessity for boundary coordinations ('Collaborative Control', SESAR Solution PJ10.1.c]).

NOTE 2: Being a local objective, to be applied at individual States or ATC unit level to achieve their performance targets, the objective does not have a mandatory implementation deadline. As guidance, the FOC of the OI Step on which the SESAR Solution is based is 31/12/2024.

NOTE 3: This objective is linked to SESAR Solution #63.

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 (Subject to local needs)		, Luxembourg		zegovina, Bulgaria, Croatia, Denmark, Estonia, negro, Morocco, Netherlands, Portugal, Serbia,
Timescales	F	rom	By:	Applicable to:

Timescales:	From:	Бу:	Applicable to:
FOC used for Analytics functioning only - not for implementation planning	31/05/2019		Applicability Area
FOC used for Analytics functioning only - not for implementation planning		01/01/2030	Applicability Area

References

European ATM Master Plan

OI step -	[CM-0301]-S	Sector Team Operation	ations Ad	apted to New R	esponsibilities in En-Route, 1	Planning to 2T	actical Conti	rollers team structure
	Enablers -	ER ATC 95	HUM-00	4				
Legend:	WXYZ-001	Covered by SLo	oA(s) in	WXYZ-002	Covered by SLoA(s) in anot	her objective	WXYZ-	Not covered in the
Legend.		this objective			Objective covering the enab		003	Implementation Plan

Applicable legislation

-none-		
Essential Operational Changes		
Fully Dynamic and Optimised Airspace		

SESAR Solution

#63 - Multi Sector Planning

Created on 1/05/2024 15:13

ATC18

ICAO GANP - ASBUs

FRTO-B1/6	Multi-Sector Planning	
Deployment P	rogramme	
- none -		
	o for Aviation Safety	
European Pla	a for Aviation Safety	

Stakeholder Lines of Action (SLoAs)

SloA ref.	Title	From	By
ATC18-ASP01	ATM system support to permit a single planner role associated to two adjacent tactical roles	31/05/2019	01/01/2030
ATC18-ASP02	Develop multi-sector planning procedures and working methods for en-route sectors	31/05/2019	01/01/2030
ATC18-ASP03	Train air traffic controllers to multi sector planning	31/05/2019	01/01/2030
ATC18-ASP04	Develop, and deliver as necessary, a safety assessment	31/05/2019	01/01/2030
Description of finalise	ed and deleted SLoAs is available on the eATM Portal @ https://www.eatmportal.eu/worki	ing/depl/essip_ot	<u>pjectives</u>

Expected Performance Benefits

Safety: Capacity:	- The workload reduction might be translated in marginal capacity gains.
Operational Efficiency:	Slight increase in the number of direct routes facilitate by the fact that adjacent sectors share the same planner controller.
Cost Efficiency:	-
Environment:	-
Security:	-

Detailed SLoA Descriptions

17040 10004	ATM system support to permit a single planner role associated to	From:	By:				
ATC18-ASP01	two adjacent tactical roles	31/05/2019	01/01/2030				
Action by:	ANS Providers						
Description & purpose:	The en-route ATM system functions are enhanced to allow a planner role tactical roles. The planner role shall be given the data access and eligibi airspace volume allocated to him so that the planner can identify the s pr conflict/smooth the traffic flows in order to avoid the tactical intervention controllers is also smoothed and workload associated with tactical tasks tactical controllers. The actually necessary capabilities depend on the individual level of com	lity to modify relevant tra otential conflicts or risk of s. Traffic flow between t is maintained at a mana	affic attributes for the of conflicts and de- he two tactical sector				
Supporting material(s):	SJU - SESAR Solution 63: Data Pack for multi-sector planning						
	Url : https://www.sesarju.eu/sesar-solutions/multi-sector-planning						
ATM Master Plan relationship:	[ER ATC 95]-ATC System Support to Permit a Single Planner Role Associated to Two Adjacent Tactical Roles						
Finalisation criteria:	1 - Systems are adapted to support single multi-planner role associated	to two adjacent tactical	roles.				
	Develop multi-sector planning procedures and working methods	From:	By:				
ATC18-ASP02	for en-route sectors	31/05/2019	01/01/2030				
Action by:	ANS Providers						

ATC18

Multi-Sector Planning En-route - 1P2T

Description & purpose:	 With the introduction of a new staffing configuration (e.g. changing from existing 1 tactical (executive) and 1 planning controller to 2 tactical (executive) and 1 planning controller in en-route sectors), the allocation of tasks (including new tasks) changes. Therefore, procedures and working methods have to be developed to cater for enhanced multi-planner needs triggered by the change of coordination. 						
Supporting material(s):	SJU - SESAR Solution 63: Data Pack for multi-sector planning						
	Url : https://www.sesarju.eu/sesar-solutions/multi-sector-planning	rl : https://www.sesarju.eu/sesar-solutions/multi-sector-planning					
ATM Master Plan relationship:	[HUM-004]-New staffing configuration / Extended ATC Planner in en-route						
Finalisation criteria:	1 - Multi-sector planner concept is in operational use.						
	_ <i>.</i>	From:	By:				
ATC18-ASP03	Train air traffic controllers to multi sector planning	s to multi sector planning 31/05/2019 (
Action by:	ANS Providers		I				
Description & purpose:	 Train operational staff in the use of multi sector planning. The tasks to be done are as follows: Develop a training package (material); Update the training plans; Determine ATCO population to be trained; Apply the training plans. 						
Supporting material(s):	SJU - SESAR Solution 63: Data Pack for multi-sector planning						
	Url : https://www.sesarju.eu/sesar-solutions/multi-sector-planning						
ATM Master Plan relationship:	[HUM-004]-New staffing configuration / Extended ATC Planner in e	n-route					
Finalisation criteria:	 The training plans have been updated and a training package h planning. The concerned personnel have been trained. 	as been developed for th	e use of multi sector				
		From:	By:				
ATC18-ASP04	Develop, and deliver as necessary, a safety assessment	31/05/2019	01/01/2030				
	ANS Providers		I				
Action by:	ANS Providers						
Action by: Description & purpose:	ANS Providers Develop safety assessment of the changes, notably ATC systems a planning. The tasks to be done are as follows: - Conduct hazard identification, risk assessment in order to define s the risks; - Develop safety assessment; - Deliver a safety assessment report to the NSA, if new standards a is 1 or 2. This safety assessment shall be based on a fully validated/recognis	safety objectives and saf are applicable or if the se	ety requirements mitigating				
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•	Develop safety assessment of the changes, notably ATC systems a planning. The tasks to be done are as follows: - Conduct hazard identification, risk assessment in order to define s the risks; - Develop safety assessment; - Deliver a safety assessment report to the NSA, if new standards a is 1 or 2. This safety assessment shall be based on a fully validated/recognis EUROCONTROL - EAM 4 - ESARR 4 - Risk Assessment and Mitig Url : https://www.eurocontrol.int/publication/esarr-4-risk-assessment	safety objectives and saf are applicable or if the se sed method. gation in ATM - Edition 1. it-and-mitigation-atm thodology (SAM) - Versio	verity class of identified risks				