

SESAAR		Achieved							APT	
AOP08		Implement Airport Airside Capacity Planning Method								
REG	ASP	MIL	APO	USE	INT	IND	NM	MET	AIS	USP

Subject matter and scope

Airports are required to engage in capacity planning in order to manage future traffic demand within existing constraints This implementation objective is a method to provide a structure for identifying an imbalance between current or future capacity and demand. . It starts by quantifying future demand and capacity for the short and medium term and then determines whether there are any factors that will impact on the ability of the airport to handle future demand. Remedial options are identified and their impact assessed against constraints such as cost, regulation, environmental impact, safety and passenger experience.. For optimal results, it is necessary to organise round-table conferences to involve all key stakeholders from all areas of the airport including airlines, ramp handling agents, ATS provider and airport operators.

This objective is an on-going yearly activity to be annually done after the first planned implementation that took place in 2006.

Applicability Area(s) & Timescale(s)

APP AREA		See list of airports in MP Level 3 Implementation Plan - Annexes		
Timescales:		From:	By:	Applicable to:
Initial operational capability		01/01/2006		APP AREA
Full operational capability			31/12/2015	APP AREA

References

European ATM Master Plan

OI step -		[DCB-0201]-Interactive Network Capacity Planning								
	Enablers -	NIMS-10	NIMS-14a	PRO-182	PRO-192					
Legend:	WXYZ-001	Covered by SLoA(s) in this objective	WXYZ-002 zzz	Covered by SLoA(s) in another objective Objective covering the enabler			WXYZ-003	Not covered in the Implementation Plan		

Applicable legislation

-none-

Essential Operational Changes

- none -

SESAAR Solution

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ICAO GANP - ASBUs

- none -

Deployment Programme

- none -

European Plan for Aviation Safety

- none -

Operating Environments

Airport
En-Route
Network

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Stakeholder Lines of Action (SLoAs)

SLoA ref.	Title	From	By
AOP08-ASP01	Contribute to AOP08-APO01 to 03 as part of the stakeholder team to the five year rolling capacity planning process.	01/06/2006	31/12/2015
AOP08-APO01	Conduct annual baseline capacity assessment with a view to update the 5-year rolling capacity planning period	01/01/2006	31/12/2015
AOP08-APO02	Conduct annual assessment of future capacity requirements	01/01/2006	31/12/2015
AOP08-APO03	Apply Airside Capacity Planning method for a five year rolling period.	01/06/2006	31/12/2015
AOP08-USE01	Contribute to AOP08-APO01 to 03 as part of the stakeholder team to the five year rolling capacity planning process.	01/06/2006	31/12/2015 M
AOP08-AGY01	Develop qualitative Airside Capacity Planning method	FINALISED	
AOP08-AGY02	Provide data concerning traffic forecast	FINALISED	

Description of finalised and deleted SLoAs is available on the eATM Portal @ https://www.eatmportal.eu/working/depl/essip_objectives

Expected Performance Benefits

Safety:	Capacity planning can be organised to prevent traffic overload and contributes therefore to safety of operations.
<i>*Supporting material</i>	<i>Eg reference of safety case.</i>
Capacity:	Provision of a plan in time to adapt local capacity to demand.
Operational Efficiency:	-
Cost Efficiency:	Optimisation of remedial actions to local capacity constraints in function of costs. Compared to possible shortfalls in capacity and thus generating huge costly delays this capacity planning method itself is cost efficient.
<i>*Supporting material</i>	<i>Eg reference of CBA.</i>
Environment:	Allows remedial actions to be considered in relation to environmental aspects. Efficient capacity planning contributes to environmental benefits.
Security:	N/A

Detailed SLoA Descriptions

AOP08-ASP01	Contribute to AOP08-APO01 to 03 as part of the stakeholder team to the five year rolling capacity planning process.	From: 01/06/2006	By: 31/12/2015
Action by:	ANS Providers		
Description & purpose:	Participate to the round-table exercise and share of ANSP expertise in order to target constraints and look for remedial actions.		
Supporting material(s):	EUROCONTROL - Enhancing Airside Capacity - the Complete Guide - Edition 2.0 / 09/2003 Url : http://www.eurocontrol.int/airports/public/standard_page/ace_library.html EUROCONTROL - Airside Capacity Enhancement (ACE) Implementation Manual - Edition 1.0 / 10/2003		
Finalisation criteria:	1 - Proven record that ANSP contribute to the annual round-table exercise to determine capacity requirements and identify constraints and remedial actions.		
AOP08-APO01	Conduct annual baseline capacity assessment with a view to update the 5-year rolling capacity planning period	From: 01/01/2006	By: 31/12/2015
Action by:	Airport Operators		
Description & purpose:	Assess airside capacity for capacity planning purposes, at least once a year to determine baseline capacity potential. This should be done in accordance with the assessment method described in AOP01.2. With a view to reduce costs either one of the two capacity assessments undertaken in the context of EC regulation 793/04 may be used.		
Supporting material(s):	EUROCONTROL - Enhancing Airside Capacity - the Complete Guide - Edition 2.0 / 09/2003 Url : http://www.eurocontrol.int/airports/public/standard_page/ace_library.html EUROCONTROL - Airside Capacity Enhancement (ACE) Implementation Manual - Edition 1.0 / 10/2003		
Finalisation criteria:	1 - Annual baseline capacity assessment completed in accordance with method described in AOP01.2. 2 - Capacity constraints are identified and remedial actions agreed upon with airport partners. 3 - Contribution of the airport partners recorded.		
AOP08-APO02	Conduct annual assessment of future capacity requirements	From: 01/01/2006	By: 31/12/2015
Action by:	Airport Operators		
Description & purpose:	Determine on a rolling 5 year basis what demand and consequently what capacity is required to cater for the identified demand.		

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Supporting material(s):	EUROCONTROL - Enhancing Airside Capacity - the Complete Guide - Edition 2.0 / 09/2003 Url : http://www.eurocontrol.int/airports/public/standard_page/ace_library.html EUROCONTROL - Airside Capacity Enhancement (ACE) Implementation Manual - Edition 1.0 / 10/2003		
Finalisation criteria:	1 - Annual assessment of future capacity requirements completed.		
AOP08-APO03	Apply Airside Capacity Planning method for a five year rolling period.	From: 01/06/2006	By: 31/12/2015
Action by:	Airport Operators		
Description & purpose:	Apply the step by step structured method that leads to identifying constraints for future growth, remedial activities versus cost and capacity improvements of each of the mitigation actions		
Supporting material(s):	EUROCONTROL - Enhancing Airside Capacity - the Complete Guide - Edition 2.0 / 09/2003 Url : http://www.eurocontrol.int/airports/public/standard_page/ace_library.html EUROCONTROL - Airside Capacity Enhancement (ACE) Implementation Manual - Edition 1.0 / 10/2003		
Finalisation criteria:	1 - Airside capacity planning method applied.		
AOP08-USE01	Contribute to AOP08-APO01 to 03 as part of the stakeholder team to the five year rolling capacity planning process.	From: 01/06/2006	By: 31/12/2015
Action by:	Airspace Users		
Description & purpose:	Participate to the round-table exercise and share of aircraft operator's expertise in order to target constraints and look for remedial actions.		
Supporting material(s):	EUROCONTROL - Enhancing Airside Capacity - the Complete Guide - Edition 2.0 / 09/2003 Url : http://www.eurocontrol.int/airports/public/standard_page/ace_library.html EUROCONTROL - Airside Capacity Enhancement (ACE) Implementation Manual - Edition 1.0 / 10/2003		
Finalisation criteria:	1 - On annual basis, capacity requirements are identified and fed to the local Airport Authority.		
AOP08-AGY01	Develop qualitative Airside Capacity Planning method	From: 01/11/2004	By: 31/03/2005
Action by:	EUROCONTROL Agency		
Description & purpose:	Develop a step by step process leading to the development of a comprehensive capacity plan that includes remedial actions for all identified constraints		
Finalisation criteria:	1 - Published Method for Capacity Planning by set target dates.		
AOP08-AGY02	Provide data concerning traffic forecast	From: -	By: -
Action by:	EUROCONTROL Agency		
Description & purpose:	EUROCONTROL Statistics and Forecasts Service (STATFOR) will provide yearly medium-term (seven years ahead) forecast in support of the 5-year rolling capacity planning for the EUROCONTROL Statistical Reference Area (ESRA) which would permit to extract the trend of local demand variations.		
Finalisation criteria:	1 - The yearly development of the medium-term forecast document established.		