

SESAR		Achieved							APT	
AOP01.2		Implement airside capacity enhancement method and best practices based on Eurocontrol capacity and efficiency implementation manual								
REG	ASP	MIL	APO	USE	INT	IND	NM	MET	AIS	USP

Subject matter and scope

Implement a collaborative capacity enhancement method that releases possible airside capacity improvement areas, to enable the implementation of suitable European best practices to unlock latent airside capacity.

(1). This objective cancels and replaces the previous AOP01 on the basis of new developments in this area.

Note: (2). The actions described in this objective are due to be renewed annually after the first implementation, planned for deployment at listed airports on 12/2007.

Applicability Area(s) & Timescale(s)

Applicability Area	See list of airports in MP Level 3 Implementation Plan - Annexes		
Timescales:	From:	By:	Applicable to:
Initial operational capability	01/01/2007		Applicability Area
Full operational capability		31/12/2013	Applicability Area

References

European ATM Master Plan

Ol step -	[AO-0305]-Additional Rapid Exit Taxiways (RET) and Entries								
	Enablers -	None							
Ol step -	[AUO-0701]-Use of Runway Occupancy Time (ROT) Reduction Techniques								
	Enablers -	None							

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
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Applicable legislation

-none-

Essential Operational Changes

- none -

SESAR Solution

ICAO GANP - ASBUs

- none -

Deployment Programme

- none -

European Plan for Aviation Safety

- none -

Operating Environments

Airport
Terminal Airspace

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Stakeholder Lines of Action (SLoAs)

SLoA ref.	Title	From	By
AOP01.2-ASP01	Participate in the local ACE Steering Group	01/01/2007	31/12/2011
AOP01.2-ASP02	Facilitate the involvement of operational ATCOs in the Forums	01/05/2007	31/08/2011
AOP01.2-ASP03	Approve and Implement the locally defined action plan	01/05/2007	31/08/2011
AOP01.2-APO01	Establish an Airside Capacity Enhancement (ACE) Steering Group	01/01/2007	31/12/2011
AOP01.2-APO02	Conduct annual capacity assessment	01/03/2007	31/08/2011
AOP01.2-APO03	Collect and analyse capacity and performance data	01/05/2007	31/08/2011
AOP01.2-APO04	Facilitate forums with pilots and ATCOs	01/05/2007	31/08/2011
AOP01.2-APO05	Develop and Implement a commonly agreed local action plan	01/05/2007	31/08/2011
AOP01.2-APO06	Develop and widely distribute yearly a capacity enhancement awareness leaflet in accordance with the action plan	01/05/2007	31/08/2011
AOP01.2-APO07	Airports to provide the Agency with accurate updated airport data sheet to be used in the EUROCONTROL Network Capacity Planning function.	01/05/2007	31/12/2011
AOP01.2-USE01	Participate in the local ACE Steering Group	01/01/2007	31/12/2011
AOP01.2-USE02	Facilitate the involvement of operational pilots in the Forums	01/05/2007	31/08/2011
AOP01.2-USE03	Approve and Implement the locally defined action plan	01/05/2007	31/12/2013
AOP01.2-AGY01	Develop and make available the PIATA Plus tool	FINALISED	
AOP01.2-AGY02	Maintain models as required	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:	Safer operations following harmonised and more predictable aircraft operations on the movement area.
Capacity:	Increase in overall airside capacity due to higher efficiency of aircraft operations.
Operational Efficiency:	-
Cost Efficiency:	Savings on costs through more efficient surface operations.
Environment:	Direct benefit from less taxi and ground and airborne holding time for individual aircraft, thus reducing noise and emissions. Better use of existing infrastructure minimising the need for additional development.
Security:	N/A

Detailed SLoA Descriptions

AOP01.2-ASP01	Participate in the local ACE Steering Group	From: 01/01/2007	By: 31/12/2011
Action by:	ANS Providers		
Description & purpose:	Participate actively in the local Airside Capacity Enhancement (ACE) exercise, at a managerial level in the steering group. The steering group will assign objectives and resources to the ACE exercise.		
	Note :Referenced supporting material is available on request to the Head of Airports Unit (http://www.eurocontrol.int/articles/airport-operations)		
Supporting material(s):	EUROCONTROL - Airside Capacity Enhancement (ACE) Implementation Manual - Edition 1.0 / 10/2003		
Finalisation criteria:	1 - Proven record of participation in local steering groups. 2 - Number of steering group meetings conducted per annum.		
AOP01.2-ASP02	Facilitate the involvement of operational ATCOs in the Forums	From: 01/05/2007	By: 31/08/2011
Action by:	ANS Providers		
Description & purpose:	Present the results of the capacity and performance data measurement campaign (APO03) in the forums, and possible solutions to capacity constraints are reviewed and discussed. From this a local action plan will be developed to form recommendations to the steering group.		
	The forums require the active participation of a representative number of local operational controllers (e.g. 10 ATCOs) who are able to review the results of the data analysis and provide operational expertise towards the development of an action plan.		
Supporting material(s):	EUROCONTROL - Airside Capacity Enhancement (ACE) Implementation Manual - Edition 1.0 / 10/2003		
Finalisation criteria:	1 - Proven record of participation in both the Air Traffic Control Officer (ATCO) and joint forums. 2 - Number of forum meetings per annum.		
AOP01.2-ASP03	Approve and Implement the locally defined action plan	From:	By:

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		01/05/2007	31/08/2011
Action by:	ANS Providers		
Description & purpose:	Approve, through the steering group, the locally defined action plan, containing improvements and best practices recommended by local experts i.e. Additional Rapid Exit Taxiways and Entries, Runway Occupancy (ROT) Techniques as necessary, etc.		
Supporting material(s):	EUROCONTROL - Airside Capacity Enhancement (ACE) Implementation Manual - Edition 1.0 / 10/2003		
Finalisation criteria:	1 - Proven record of having implemented the action plan recommendations.		
AOP01.2-APO01	Establish an Airside Capacity Enhancement (ACE) Steering Group	From: 01/01/2007	By: 31/12/2011
Action by:	Airport Operators		
Description & purpose:	Convene a steering group consisting of senior managers from the Airport Operator (AO), local airlines and ANSPs. The objective for the group will be to direct a local capacity enhancement exercise and then to implement a resulting local action plan.		
Supporting material(s):	EUROCONTROL - Airside Capacity Enhancement (ACE) Implementation Manual - Edition 1.0 / 10/2003		
Finalisation criteria:	1 - Steering group are effective, capacity enhancement exercise has been completed and local action plan has been defined. 2 - Attendance of the steering group members has been recorded.		
AOP01.2-APO02	Conduct annual capacity assessment	From: 01/03/2007	By: 31/08/2011
Action by:	Airport Operators		
Description & purpose:	Asses the airside capacity at least once yearly in order to determine baseline capacity potential. This can be done simultaneously to fulfil AOP08-APO01.		
Supporting material(s):	EUROCONTROL - Airside Capacity Enhancement (ACE) Implementation Manual - Edition 1.0 / 10/2003		
Finalisation criteria:	1 - Annual capacity assessments have been completed.		
AOP01.2-APO03	Collect and analyse capacity and performance data	From: 01/05/2007	By: 31/08/2011
Action by:	Airport Operators		
Description & purpose:	Decide which performance indicators to be measured according to the objectives of the capacity enhancement exercise. Typical indicators to be measured will include: runway occupancy times, pilot reaction times, clearance delivery delays, actual radar spacing on approach and final, efficient sequencing of traffic.		
Supporting material(s):	EUROCONTROL - Airside Capacity Enhancement (ACE) Implementation Manual - Edition 1.0 / 10/2003		
Finalisation criteria:	1 - Data measurement campaigns and resulting analysis have been effected.		
AOP01.2-APO04	Facilitate forums with pilots and ATCOs	From: 01/05/2007	By: 31/08/2011
Action by:	Airport Operators		
Description & purpose:	Facilitate a series of forums composed of local operational experts. These should initially be within their own peer group (i.e. pilots, controllers, airport operations) then together in a joint forum. The objective of the joint forum should be to develop an action plan based on local knowledge and the results of the data collection and analysis.		
Supporting material(s):	EUROCONTROL - Airside Capacity Enhancement (ACE) Implementation Manual - Edition 1.0 / 10/2003		
Finalisation criteria:	1 - Forums have been held. 2 - Action plan has been completed.		
AOP01.2-APO05	Develop and Implement a commonly agreed local action plan	From: 01/05/2007	By: 31/08/2011
Action by:	Airport Operators		
Description & purpose:	Consider the recommendations of the action plan including Additional Rapid Exit Taxiways prepared under AOP01.2-APO04 and oversee its implementation with cooperation from all stakeholders.		
Supporting material(s):	EUROCONTROL - Airside Capacity Enhancement (ACE) Implementation Manual - Edition 1.0 / 10/2003		
Finalisation criteria:	1 - Action plan has been implemented.		
AOP01.2-APO06	Develop and widely distribute yearly a capacity enhancement awareness leaflet in accordance with the action plan	From: 01/05/2007	By: 31/08/2011
Action by:	Airport Operators		
Description & purpose:	Consider the recommendations of the action plan prepared under AOP01.2-APO05 and extract relevant information to be widely disseminated to all stakeholders, including ANSP, Airlines, and AO and other concerned stakeholders.		

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Supporting material(s):	EUROCONTROL - Airside Capacity Enhancement (ACE) Implementation Manual - Edition 1.0 / 10/2003		
Finalisation criteria:	1 - Awareness leaflet has been distributed to concerned stakeholders.		
AOP01.2-APO07	Airports to provide the Agency with accurate updated airport data sheet to be used in the EUROCONTROL Network Capacity Planning function.	From: 01/05/2007	By: 31/12/2011
Action by:	Airport Operators		
Description & purpose:	Provide the EUROCONTROL Agency with accurate airport declared capacity information to be used in the EUROCONTROL Network Capacity Planning function. This information should include current capacity figures as well as planned capacity within the next five years and the status of agreed Best Practices.		
	Note :Note: this exchange is now automated		
Supporting material(s):	EUROCONTROL - Airside Capacity Enhancement (ACE) Implementation Manual - Edition 1.0 / 10/2003		
Finalisation criteria:	1 - Accurate airport capacity figures have been provided to EUROCONTROL.		
AOP01.2-USE01	Participate in the local ACE Steering Group	From: 01/01/2007	By: 31/12/2011
Action by:	Airspace Users		
Description & purpose:	Participate actively in the local ACE exercise, at a managerial level in the steering group. The steering group will assign objectives and resources to the ACE exercise.		
Supporting material(s):	EUROCONTROL - Airside Capacity Enhancement (ACE) Implementation Manual - Edition 1.0 / 10/2003		
Finalisation criteria:	1 - Local steering groups have been regularly attended.		
AOP01.2-USE02	Facilitate the involvement of operational pilots in the Forums	From: 01/05/2007	By: 31/08/2011
Action by:	Airspace Users		
Description & purpose:	Present the results of the capacity and performance data measurement campaign (APO03) at these forums, and possible solutions are reviewed and discussed. From the joint forum of pilots and ATCOs, a local action plan will be developed to form recommendations to the steering group. The forums require the active participation of local operational pilots (e.g. 10 pilots or 75% of the airlines represented) who are able to review the results of the data analysis and to provide operational expertise towards the development of an action plan.		
Supporting material(s):	EUROCONTROL - Airside Capacity Enhancement (ACE) Implementation Manual - Edition 1.0 / 10/2003		
Finalisation criteria:	1 - Local steering groups have been regularly attended.		
AOP01.2-USE03	Approve and Implement the locally defined action plan	From: 01/05/2007	By: 31/12/2013
Action by:	Airspace Users		
Description & purpose:	Approve first, through the steering group, the locally defined action plan, containing improvements and best practices recommended by local experts; then implement those recommendations meant for the airspace users i.e. Runway Occupancy (ROT) Techniques.		
Supporting material(s):	EUROCONTROL - Airside Capacity Enhancement (ACE) Implementation Manual - Edition 1.0 / 10/2003		
Finalisation criteria:	1 - Action plan has been signed and implemented.		
AOP01.2-AGY01	Develop and make available the PIATA Plus tool	From: 04/07/2014	By: 31/12/2006
Action by:	EUROCONTROL Agency		
Description & purpose:			
Finalisation criteria:	None		
AOP01.2-AGY02	Maintain models as required	From: 01/02/2007	By: 31/12/2007
Action by:	EUROCONTROL Agency		
Description & purpose:	Regularly test both models for operational relevance and update as necessary.		
Specific applicability:	Users of PIATA Plus.		
Finalisation criteria:	1 - Regular updates, successfully tested and validated/approved for operational use.		