



International Civil Aviation Organization

Fifth Meeting of the Aerodrome Safety, Planning & Implementation Group

(ASPIG/5) (Doha, Qatar, 13-15 June 2023)

Agenda Item 3: Regional Performance Framework for Aerodrome Capacity and Efficiency

**FOLLOW-UP ON ENDORCED CONCLUSIONS
RELATED TO AERODROME CAPACITY AND EFFECIENCY**

(Presented by the Secretariat)

SUMMARY

This working paper provides a follow-up the endorsed Conclusions related to Aerodrome Capacity and Efficiency and the follow-up actions taken by concerned parties.

Action by the meeting is at paragraph 3.

REFERENCES

- ASPIG Reports
- MSG/6 Report
- MIDANPIRG/18 & RASG-MID/8 Report
- ICAO GANP

1. INTRODUCTION

1.1 The Basic Building Block (BBB) framework outlines the foundation of any robust air navigation system. It is nothing new but the identification of the essential services to be provided for International Civil Aviation in accordance with ICAO Standards.

1.2 Airports need to develop or adapt their infrastructure to meet the growing demand for traffic and an ever-changing aircraft fleet. This planning process is complex, as it requires taking into account many legal requirements, as well as the short and long-term strategy and objectives of airports. Airport planning is a systematic process used to establish guidelines for the effective development of an airport. Airports aligned with local, state and national objectives.

1.3 A-SMGCS is a modular system consisting of different functionalities to support the safe, orderly and expeditious movement of aircraft and vehicles on aerodromes under all circumstances with respect to traffic density and complexity of aerodrome layout, taking into account the demanded capacity under various visibility conditions, independent of line-of-sight connection between the controller and aircraft/vehicles.

1.4 All stakeholders involved in aerodrome operations have their own processes that are conducted as efficiently as possible. However, there is not enough effective information sharing among them. As some basic coordination between ATC and ramp control (which may also be provided by ATC) may exist, aerodromes units may operate in isolation from the ATM network

and aircraft operators manage their operations independently from each other. The Airport Collaborative Decision Making (ACDM) provide a unique solution to enhance the connectivity between those stakeholders.

2. DISCUSSION

2.1 The meeting may wish to follow-up on the RSC/7, MIDANPIRG/18 & RASG-MID/8 Aerodromes Capacity and Efficiency related Conclusions focusing intention on the following topics:

Basic Building Blocks

MIDANPIRG CONCLUSION 18/24: STATES NEEDS FOR THE BBB-AOP IMPLEMENTATION

That, in order to support the implementation of the BBB for Airport Operations and prioritize the necessary technical assistance in line with the MID Region NCLB Strategy:

- a) States requiring assistance are urged to provide the ICAO MID Office, by March 2021, with their Needs for the BBB-AOP Implementation using the Table at Appendix 5.2J; and*
- b) States and stakeholders having the required experience and expertise are encouraged to volunteer to joint efforts with ICAO for the provision of necessary technical assistance.*

Airport Master Plan

MIDANPIRG CONCLUSION 18/25: AIRPORT PLANNING SEMINAR

That, ICAO organize an Airport Planning Seminar in 2022 and States are encouraged to participate actively in this event.

ASBU SURF

MIDANPIRG CONCLUSION 18/26: A-SMGCS IMPLEMENTATION SEMINAR

That,

- a) ICAO organize an A-SMGCS Implementation Seminar/Workshop in 2021-2022; and*
- b) States are encouraged to participate actively in this event.*

ASBU ACDM

MIDANPIRG CONCLUSION 18/27: MID REGION ACDM IMPLEMENTATION PLAN

That, by March 2021, concerned States (according to the applicability area included in the MID Region Air Navigation Strategy) be urged to:

- a) provide the ICAO MID Office with the contact details of their designated National ACDM Implementation Focal Points; and*

b) populate the Questionnaire on ACDM Implementation Plan, using the template at Appendix 5.2K.

2.2 The details related to the endorsed Conclusions on Aerodrome Capacity and Efficiency are at **Appendix A**.

3. ACTION BY THE MEETING

3.1 The meeting is invited to note the follow-up on the endorsed Conclusions and Decisions related to Aerodrome Capacity and Efficiency and take action as appropriate.

APPENDIX A

Conclusion ID #	conclusions and decisions	Why: concerns/challenges/rationale	deliverables		When: Deadline	Last Revised Deadline	Drafted by	Endorsed by	status	Date of completion	Actions required by the State	Remarks
			What: item(s)	Who: responsible								
CAPACITY & EFFICIENCY												
MIDANPIRG C 18/24	STATES NEEDS FOR THE BBB-AOP IMPLEMENTATION								Ongoing			
	That, in order to support the implementation of the BBB for Airport Operations and prioritize the necessary technical assistance in line with the MID Region NCLB Strategy: a) States requiring assistance are urged to provide the ICAO MID Office, by March 2021, with their Needs for the BBB-AOP Implementation using the Table at Appendix 5.2J ; and b) States and stakeholders having the required experience and expertise are encouraged to volunteer to joint efforts with ICAO for the provision of necessary technical assistance.	Monitor the MID States BBB-AOP Implementation needs	Survey on MID States BBB-AOP Implementation needs	States	Mar-20	18-Aug-21	ASPIG/2	MIDANPIRG/18		Action conduction on yearly basis	Complete the Questionnaire on MID States BBB-AOP Implementation needs	(Revised Date: due to the Pandemic Crisis the deadline has been extended to 2021)
MIDANPIRG C 18/25	AIRPORT PLANNING SEMINAR								Completed			
	That, ICAO organize an Airport Planning Seminar in 2022 and States are encouraged to participate actively in this event.	Prepare States to the upcoming requirements on Airport Master plan	Airport Planning Seminar	ICAO	Dec-22		ASPIG/2	MIDANPIRG/18		15-Sep-22	Participation to the event	At the Draft stage: This conclusion amended the DRAFT CONCLUSION 1/8: AIRPORT PLANNING SEMINAR (ref: ASPIG/1 Meeting Report)
MIDANPIRG C 18/26	A-SMGCS IMPLEMENTATION SEMINAR								Completed			
	That, a) ICAO organize an A-SMGCS Implementation Seminar/Workshop in 2021- 2022; and b) States are encouraged to participate actively in this event.	Ensure proper Implementation of the A-SMGCS on Aerodromes as part of the ASBU Block 0 SURF module of the GANP 6th Edition	A-SMGCS Implementation Seminar/Webinar	ICAO	Dec-22		ASPIG/2	MIDANPIRG/18		1-Feb-23	Participation to the event	At the Draft stage: This conclusion amended the DRAFT CONCLUSION 1/7: A-SMGCS IMPLEMENTATION SEMINAR (ref: ASPIG/1 Meeting Report)
MIDANPIRG C 18/27	MID REGION ACDM IMPLEMENTATION PLAN								Ongoing			
	MID REGION ACDM IMPLEMENTATION PLAN That, by March 2021, concerned States (according to the applicability area included in the MID Region Air Navigation Strategy) be urged to: a) provide the ICAO MID Office with the contact details of their designated National ACDM Implementation Focal Points; and b) populate the Questionnaire on ACDM Implementation Plan, using the template at Appendix 5.2K .	Ensure proper implementation of the ASBU Block 0 ACDM module of the GANP 6th Edition	List of MID States ACDM focal points & Survey on ACDM Implementation Plan	States	Mar-21	18-Aug-21	ASPIG/2	MIDANPIRG/18			Provide State's ACDM focal Point & complete the Questionnaire on the State's ACDM Implementation Plan	Important Note : States concerned by this conclusion are : SAUDI ARABIA, EGYPT, IRAN, KUWAIT, OMAN, QATAR, SAUDI ARABIA & UAE as agreed and defined on the MID eANP