



International Civil Aviation Organization

MIDANPIRG Air Traffic Management Sub-Group

Fourth Meeting (ATM SG/4)
(Amman, Jordan, 29 April – 3 May 2018)

Agenda Item 5: Airspace Management Issues

RADAR LONGITUDINAL SEPARATION

(Presented by the Secretariat)

SUMMARY

This paper presents the outcome of MIDNPIRG/16 and the ATM SG/3 meetings related to the implementation of 20 NM radar longitudinal separation in the MID Region for necessary follow-up actions.

Action by the meeting is at paragraph 3.

REFERENCES

- ATM SG/3 Report
- Doc 4444
- MIDANPIRG/16 Report
- State Letter Ref.: AN 6/5.5 – 17/122 dated 12 April 2017

1. INTRODUCTION

1.1 In accordance with the provisions of the PANS-ATM (ICAO Doc 4444) the horizontal separation minimum based on radar and/or ADS-B and/or MLAT systems shall be 9.3 km (5.0 NM).

2. DISCUSSION

2.1 The subject was addressed by the MIDANPIRG/16 meeting, which recalled that MIDANPIRG/13 agreed that uniform 10 NM separation minima should be implemented in the MID Region. The surveillance systems, currently in operation within the Region, allow for consistent separation standards. The MIDANPIRG/13 meeting, through the Conclusion 13/5, encouraged MID States to implement 20 NM longitudinal separation and develop plans for further reduction of longitudinal separation from 20 NM to 10 NM.

2.2 The MIDANPIRG/16 meeting noted that several States in the MID Region have been still implementing procedural separation in a surveillance environment or 20NM or higher Radar Longitudinal Separation, due mainly to restrictions imposed by the adjacent States.

2.3 Based on the above, the MIDANPIRG/16 meeting agreed to the following Conclusion to supersede and replace the Conclusion 13/5:

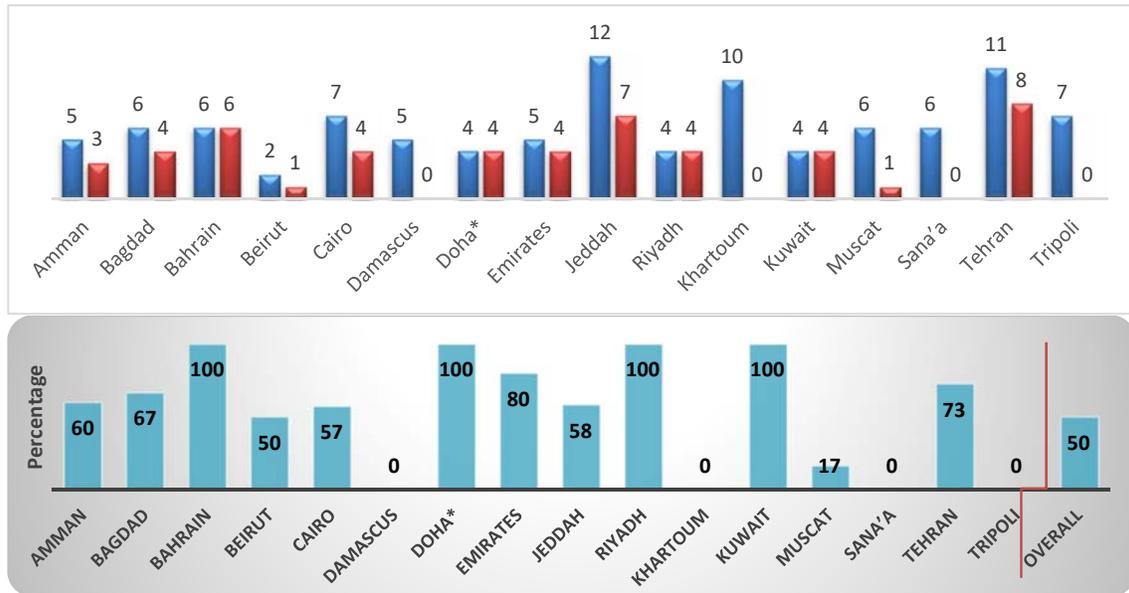
CONCLUSION 16/19: IMPLEMENTATION OF REDUCED RADAR

That,

- a) *States, that have not yet done so:*
 - i) *be urged to implement 20 NM radar longitudinal separation; and*
 - ii) *be encouraged to further reduce the radar longitudinal separation within the MID Region to 10 NM.*
- b) *the ATM SG monitor the status of implementation and take appropriate actions to foster the implementation.*

2.4 The ICAO MID Office issued State Letter Ref.: AN 6/5.5 – 17/122 dated 12 April 2017 as a follow-up action to the above Conclusion.

2.5 The ATM SG/3 meeting reviewed and updated the implementation status of the radar longitudinal separation in the MID Region, The meeting noted with appreciation that Emirates and Jeddah ACCs reduced the longitudinal separation from 10 minutes to 30 NM on 25 May 2017. The meeting urged States to take necessary measures to expedite the implementation of 20 NM radar longitudinal separation and provide feedback to the ICAO MID Office. The status of implementation was further updated by the Secretariat based on the inputs received form States as reflected in the following **Graphs** and in details at **Appendix A**.



3. ACTION BY THE MEETING

3.1 The meeting is invited to:

- a) urge States to implement the provisions of MIDANPIRG Conclusion 16/19; and
- b) review and update the status of implementation of the longitudinal separation in the MID Region at **Appendix A** and take appropriate actions to foster the implementation.

APPENDIX A

MID REGION Status of 20 NM Longitudinal Separation Implementation

As of April 2018

ACC	Adjacent ACCs (Longitudinal Separation in NM)						
Amman	Cairo (20)	Bagdad 10mn	Damascus 10mn	Jeddah (20)	Tel Aviv (10)		
Baghdad	Amman 10mn	Ankara (20)	Damascus 10mn	Jeddah (20)	Tehran (20)	Kuwait (20)	
Bahrain	Doha (10)	Emirates (10)	Jeddah (10)	Kuwait (10)	Riyadh (10)	Tehran (20)	
Beirut	Damascus 10mn		Nicosia (20)				
Cairo	Amman (20)	Athena (20)	Jeddah (20) DEDLI 10mn	Khartoum 10mn	Nicosia (30)	Tel Aviv (20)	Tripoli 10&15mn
Damascus	Amman 10mn	Ankara 10mn	Bagdad 10mn	Beirut 10mn	Nicosia 10mn		
Doha*	Bahrain (10)	Emirates (10)	Jeddah (10)	Riyadh (10)			
Emirates	Bahrain (10)	Doha (10)	Jeddah 30mn	Muscat (10)	Tehran (20)		
Jeddah	Amman (20)	Asmara 10mn	Bagdad (20)	Bahrain (10)	Cairo (20)	Doha (10)	Emirates 30mn
	Khartoum 10mn	20 Kuwait	Muscat 10mn	Riyadh (10)	DEDLI 10mn	Sana'a 10mn	
Riyadh	Bahrain (10)	Doha (10)	Kuwait (20)	Jeddah (10)			
Khartoum	Addis Ababa 10mn	Asmara 10mn	Brazzaville 10mn	Cairo 10mn	Entebbe 10mn	Jeddah 10mn	Kinshasa 10mn
	N'Djamena 10mn		Nairobi 10mn	Tripoli 10mn			
Kuwait	Bagdad (20)	Bahrain (10)	Jeddah (20)	Tehran (20)			
Muscat	Emirates (10)	Jeddah 10mn	Karachi 5mn	Mumbai 10mn	Sana'a 10mn	Tehran 10mn	
Sana'a	Djibouti (Addis Ababa) 10mn	Asmara 10mn	Jeddah 10mn	Mogadishu 10mn	Mumbai 10mn	Muscat 10mn	
Tehran	Ankara (20)	Ashgabat (20)	Bagdad (20)	Bahrain (20)	Baku (20)	Emirates (20)	Kabul 10mn
	Karachi 10mn	Kuwait (20)	Muscat 10mn	Yerevan (20)			
Tripoli	Algiers 10mn	Cairo 10 & 15mn	Khartoum 10mn	Malta 10mn	N'Djamena 10mn	Niamey 10mn	Tunis 10mn

