



*International Civil Aviation Organization*

**MIDANPIRG Air Traffic Management Sub-Group**

**Third Meeting (ATM SG/3)**  
*(Cairo, Egypt, 22 – 25 May 2017)*

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**Agenda Item 5:           Airspace Management Issues**

**RADAR LONGITUDINAL SEPARATION**

*(Presented by the Secretariat)*

**SUMMARY**

This paper presents the outcome of MIDNPIRG/16 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**

- 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.

### **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.

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**MID REGION Status of 20 NM Longitudinal Separation Implementation**

As of May 2017

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

