



International Civil Aviation Organization

MIDANPIRG Communication, Navigation and Surveillance Sub-Group

Fourteenth Meeting (CNS SG/14)
(Abu Dhabi, UAE, 19 – 23 October 2025)

Agenda Item 2: Review the outcome of CNS SG/13 and MIDANPIRG/22 related to CNS

REVIEW THE OUTCOME OF CNS SG/13 AND MIDANPIRG/22 RELATED TO CNS

(Presented by the Secretariat)

<p style="text-align: center;">SUMMARY</p> <p>This paper presents MIDANPIRG/22 Conclusions and Decisions relevant to CNS and the follow-up actions taken.</p> <p>Action by the meeting is at paragraph 3.</p>
<p style="text-align: center;">REFERENCES</p> <p>- MIDANPIRG/22 & RASG-MID/12 (Doha, Qatar, 4 – 8 May 2025) Report</p>

1. INTRODUCTION

1.1 The Twenty-Two Meeting of the Middle East Air Navigation Planning and Implementation Regional Group and the Twelfth Meeting of the Regional Aviation Safety Group-Middle East (MIDANPIRG/22 & RASG-MID/12) were successfully held in Doha, State of Qatar, from 4 to 8 May 2025. The meeting may wish to note that the MIDANPIRG/21 meeting adopted 34 Conclusions and Decisions in addition to 5 Conclusions and Decisions during the plenary session.

2. DISCUSSION

2.1 The meeting may wish to recall that the CNS Sub-Group is tasked with the follow-up on the implementation process related to CNS and to inform MIDANPIRG on progress, achievement, and problems being encountered.

2.2 This paper provides the meeting with an update on the status of PIRG/RASG, and MIDANPIRG/22 Conclusions and Decisions related to CNS. It also shows the follow-up actions taken by concerned parties as at **Appendix A**.

3. ACTION BY THE MEETING

3.1 The meeting is invited to:

- a) note the follow-up actions on the list of Conclusions and Decisions at **Appendix A**; and
- b) provide updates as appropriate.

FOLLOW-UP ACTION PLAN ON PIRG/22 & RASG-MID/12 CONCLUSIONS AND DECISIONS

No.	CONCLUSIONS AND DECISIONS	CONCERNS/ CHALLENGES (RATIONALE)	DELIVERABLE/ TO BE INITIATED BY		TARGET DATE	STATUS/REMARKS
C. 2	<p><i>CONSOLIDATED REGIONAL APPROACH TO GNSS RFI MANAGEMENT</i></p> <p>That, a consolidated regional approach for the management of GNSS RFI be established with the following actions:</p> <p>a) States be urged to:</p> <ol style="list-style-type: none"> Support the establishment of regional GNSS RFI monitoring and reporting mechanisms through the appropriate MID regional frameworks; maintain an adequate network of conventional navigation aids to ensure continuity of air navigation services in case of GNSS signal degradation; strengthen civil-military coordination and ensure timely sharing of information related to intentional GNSS interference; define reversion scenarios and associated contingency procedures to maintain safe and efficient operations in the event of GNSS unavailability. <p>b) ICAO MID Office be requested to:</p> <ol style="list-style-type: none"> coordinate the development of the regional GNSS RFI management framework and potential reporting mechanism; support States through regional capacity building and awareness activities on GNSS interference detection and mitigation; liaise with ICAO Headquarters to contribute to the deployment of global guidance material specifications, 	Missing a consolidated regional approach for the management of GNSS radio frequency interference (RFI)	<p>a) establish regional GNSS RFI monitoring and reporting mechanism through the appropriate MID regional frameworks;</p> <p>b) maintain an adequate network of conventional navigation aids to ensure continuity of air navigation services in case of GNSS signal degradation;</p> <p>c) review aircraft minimum equipage lists and implement measures to enhance aircraft system resilience to GNSS RFI;</p>	<p>States</p> <p>States</p> <p>States</p>	<p>TBD</p> <p>Continuous</p> <p>Continuous</p>	<p>Ongoing</p> <p>SL Ref: AN7/30.21 -25/130 Dated 24 June 2025</p>

No.	CONCLUSIONS AND DECISIONS	CONCERNS/ CHALLENGES (RATIONALE)	DELIVERABLE/ TO BE INITIATED BY		TARGET DATE	STATUS/REMARKS
	including the GNSS RFI mitigation iPack and available information exchange mechanisms.		d) strengthen civil-military coordination and ensure timely sharing of information related to intentional GNSS interference; and	States	Continuous	
			e) define reversion scenarios and associated contingency procedures to maintain safe and efficient operations in the event of GNSS unavailability	States	Continuous	
			f) coordinate the development of the regional GNSS RFI management framework and potential reporting templates;	ICAO	TBD	
			g) support States through regional Capacity Building and awareness activities on GNSS	ICAO	TBD	

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No.	CONCLUSIONS AND DECISIONS	CONCERNS/ CHALLENGES (RATIONALE)	DELIVERABLE/ TO BE INITIATED BY		TARGET DATE	STATUS/REMARKS
			interference detection and mitigation; and h) liaise with ICAO Headquarters to contribute to the development of global guidance material, including the GNSS RFI mitigation iPack and available information exchange mechanisms.	ICAO MID		
D. 3	AMENDED RASG-MID SAFETY ADVISORY 14 <i>That, the amended RASG-MID Safety Advisory 14 (RSA-14) at Appendix 2B is endorsed.</i>	Up to date RASG-MID Safety Advisory 14 (RSA-14)	Updated RSA 14	States	May 2025	Completed
C. 4	CAPACITY BUILDING ON GNSS RFI <i>That, ICAO, in collaboration with ICAO partners, organize a Regional Capacity Building event on GNSS Interference during 2025.</i>	Raise awareness on the GNSS RFI management and Resilience	Interregional Workshop on GNSS RFI	ICAO	November 2025	On-going Invitation Letter Ref: AN 7/30.21 - 25/193 and EUR/NAT 25-0288 dated 3 September 2025

No.	CONCLUSIONS AND DECISIONS	CONCERNS/ CHALLENGES (RATIONALE)	DELIVERABLE/ TO BE INITIATED BY		TARGET DATE	STATUS/REMARKS
D.20	<p><i>MID NAV-MON ACTION GROUP</i></p> <p><i>That:</i></p> <p>a) <i>NAV-MON Action Group be established to develop a proposal for a Regional Navigational Minimum Operational Network supporting the ANS operations;</i></p> <p>b) <i>the terms of reference of the NAV-MON Action Group be developed during the first meeting of the Action Group; and</i></p> <p>c) <i>States support the NAV-MON Action Group through the assignment of CNS and ANS Subject matter experts and sharing states' experience and provision of required data for developing the MID NAV-MON Network.</i></p>	<p><i>No clear visibility on the current situation of the Navigational Minimum Operational Network supporting the ANS operations in the MID Region</i></p>	<p><i>a proposal for a Regional Navigational Minimum Operational Network supporting the ANS operations.</i></p>	States	Q1 2025	<p>On-going</p>