



International Civil Aviation Organization

MIDANPIRG/23 & RASG-MID/13 Meetings

(Cairo, Egypt, 14 – 18 June 2026)

Agenda Item 5.7: CNS

SURVEILLANCE MATTERS

(Presented by the Secretariat)

SUMMARY

This paper presents the outcomes of the fifteenth meeting of CNS sub-group (CNS SG/15) concerning surveillance matters, including the update of the MID Region Surveillance Plan (MID Doc 013).

Action by the meeting is at paragraph 3.

REFERENCE

- MID Region Surveillance Plan (MID Doc 013)
- CNS SG/15 Report

1. INTRODUCTION

1.1 The coordinated network approach to Mode S Interrogator Code Allocation (MICA) is necessary due to the limited number of available interrogator codes. In 2011, it was agreed that the EUROCONTROL MICA Cell would support the ICAO MID Region in allocating Mode S interrogator codes using the same processes applied within the EUR Region.

2. DISCUSSION

2.1 The CNS SG/15 meeting expressed concerns that improper Mode S interrogator code allocation (MICA) can significantly disrupt ATC operations by degrading radar track stability. The meeting further noted that an assessment of MICA system usage by MID Region stakeholders identified several activities that were not being performed in a timely or consistent manner, including the following:

- i. Conflict reports were not being processed by MID users in a timely manner.
- ii. Several assigned codes had not been confirmed as implemented.
- iii. Assigned codes are required to be revalidated every five years; however, this process was not always completed by States within the required timeframe.

2.2 The CNS SG/15 meeting noted that the current version of the MID Region Surveillance Plan incorporates the outcomes of the ICAO Emerging Surveillance Symposium as well as the outcomes of the ADS-B Webinar. However, the Plan contains obsolete elements and therefore requires review and updating, inter alia, in the following areas:

- i. the GANP Surveillance Plan, which no longer exists in the current version of the online GANP;
- ii. the baseline of surveillance infrastructure in the MID Region, which is dated December 2020;
- iii. the medium- and long-term actions need to be updated;
- iv. the timeline for DFMC GNSS is inaccurate;
- v. the plan for ADS-B implementation in the MID Region is no longer relevant in light of prevailing GNSS RFI conditions; and
- vi. the implementation of ADS-B/IN

2.3 It was agreed that the MID Region Surveillance Plan need to be updated. Consequently, the meeting tasked the Secretariat, with the support of Egypt and Qatar, to prepare the first draft of the updated version for submission to the CNS SG/16 and MIDANPIRG/24 meetings for further review and endorsement. Accordingly, the meeting agreed to the following Draft Conclusion:

DRAFT CONCLUSION 15/9: STRENGTHENING SURVEILLANCE PLANNING AND IMPLEMENTATION IN THE REGION

That, in order to strengthen Surveillance Planning, Implementation, and Operations in the MID Region:

- a) *a Surveillance Workshop including MICA training be organized in 2027;*
- b) *the MID Region Surveillance Plan be reviewed and updated, taking into account the outcome of the Surveillance Workshop, and submitted to CNS SG/16 and MIDANPIRG/24 meetings for review and endorsement; and*
- c) *MICA users are urged to:*
 - i) *carry out the necessary actions in a timely manner, including confirmation of implementation, and where applicable, revalidation of assigned codes;*
 - ii) *respond to conflict reports, where involved, and take the necessary corrective action without delay; and*
 - iii) *indicate any challenges encountered in using the MICA platform or following the associated processes.*

2.4 The CNS SG/15 meeting emphasized that uncontrolled or excessive use of vehicle ADS-B transmitters can cause radio-frequency congestion, message collisions, reduced detection probability, degraded surveillance performance, and ATM system overload, particularly at high-density airports. It underscored the need to avoid uncoordinated large-scale deployment, apply recommended mitigation measures, and consider harmonized regional guidance on address allocation in the upcoming update of the MID Region Surveillance Plan.

3. ACTION BY THE MEETING

3.1 The meeting is invited to note the outcomes of the CNS SG/15 meeting concerning surveillance matters and endorse the Draft Conclusion at paragraph 2.3.