



*International Civil Aviation Organization*

**MIDANPIRG Communication Navigation and Surveillance  
Sub-Group (CNS SG)**

**Fourth Meeting**  
*(Cairo, Egypt, 25 – 27 September 2011)*

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**Agenda Item 2: Follow-up action MIDANPIRG and other meetings Conclusion and Decision relevant to CNS field**

**REVIEW OF MIDANPIRG/12, AND OTHER MEETINGS  
CONCLUSION AND DECISION RELEVANT TO CNS FIELD**

*(Presented by the Secretariat)*

**SUMMARY**

This paper presents Follow-up on MIDANPIRG/12 and other meetings Conclusion and Decisions relevant to CNS, and the follow-up actions taken.

Action by the meeting is at paragraph 3.

**REFERENCES**

- MIDANPIRG/12 Report
- MSG/2 Report

**1. INTRODUCTION**

1.1 The MIDANPIRG/12 meeting was held in Amman, Jordan 17-21 October 2010. The meeting adopted 80 Conclusions and Decisions of which ten (8) Conclusions and two (2) Decision are considered directly relevant to the work of the CNS Sub Group.

1.2 The DGCA MID/1 was held in Abu-Dhabi UAE 22 – 24 March 2011. The meeting developed 13 Conclusions out of which one is related to CNS SG.

**2. DISCUSSION**

2.1 The meeting may wish to note that in accordance with the ICAO Business Plan and the requirements for performance monitoring, the MIDANPIRG Conclusions/Decisions and associated follow-up action plan should be formulated with clear tasks, specific deliverables and defined target dates. Accordingly, those statements without requirement for specific follow-up activities should be reflected in the report and should not be formulated in the form of Conclusion or Decision.

2.2 Based on the above MIDANPIRG/12 meeting agreed that each Draft Conclusion and Decision formulated by MIDANPIRG and its subsidiary bodies should respond clearly to the

following four Questions (4-Ws) and this is already reflected in MIDANPIRG Procedural Handbook.

<b>Why</b>	Why this Conclusion or Decision is needed (subject)
<b>What</b>	What action is required (State Letter, survey, proposal for amendment, seminar, etc)
<b>Who</b>	Who is the responsible of the required action (ICAO, States, etc)
<b>When</b>	Target date

2.3 The meeting may wish to recall that it has been agreed by MIDANPIRG that each subsidiary body review the Conclusions and Decisions related to its terms of reference and decide whether to maintain or replace by an updated Conclusions and Decisions, in order not to have too many Conclusions and Decisions which are ongoing.

2.4 Furthermore, the meeting may wish to note that during the seventh meeting of its 186<sup>th</sup> session held 10 March 2011, the Air Navigation Commission (ANC) considered the review of the MIDANPIRG/12 Report as presented by the ANC Working Group for Strategic Review and Planning (WG/SRP) in AN-WP/8537. As there were no specific items that required Council action, the MIDANPIRG/12 report was not submitted to the Council.

2.5 Based on the above, **Appendix A** to this working paper provides a list of MIDANPIRG/12 Conclusions and Decisions, with follow-up actions by various parties, for consideration and update by the Group.

### **3. ACTION BY THE MEETING**

3.1 The meeting is invited to:

- a) note the information in this working paper and its appendix;
- b) provide updates regarding the implementation of the conclusions and decision in **Appendix A**; and
- c) draft any new conclusion and decision according to para 2.5.

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APPENDIX A

FOLLOW-UP ON MIDANPIRG/12 AND DGCA-MID/1 MEETING CONCLUSIONS AND DECISIONS RELATED TO CNS

CONCLUSIONS AND DECISIONS	FOLLOW-UP	TO BE INITIATED BY	DELIVERABLE	TARGET DATE	REMARKS
<p><b>CONC. 12/2: INCREASING THE EFFICIENCY OF THE MIDANPIRG SUBSIDIARY BODIES</b></p> <p>That, with a view to maintain the continuity in the activity of the MIDANPIRG subsidiary bodies and increase their efficiency:</p> <p>a) States be invited to nominate for each MIDANPIRG subsidiary body Experts/Specialists as Members of the body concerned to fully contribute to the work of this body; and</p> <p>b) the specialists nominated for membership in a MIDANPIRG subsidiary body, act as focal points within their Civil Aviation Administration for all issues and follow-up activities related to the Work Programme of that body.</p>	<p>Implementation of the Conclusion</p>	<p>ICAO States</p>	<p>State Letter Nomination of Experts/Specialist</p>	<p>January 2011</p>	
<p><b>CONC. 12/3: UPDATE OF THE MIDANPIRG PROCEDURAL HANDBOOK</b></p> <p>That, the ICAO MID Regional Office:</p> <p>a) proceed with the amendment of concerned pages of the MIDANPIRG Procedural Handbook to reflect the changes approved by MIDANPIRG/12; and</p> <p>b) publish the updated version of the Handbook on the ICAO MID website before 31 December 2010</p>	<p>Update the MIDANPIRG Procedural Handbook and post it on the web</p>	<p>ICAO</p>	<p>Fifth edition of the Procedural Handbook</p>	<p>January 2011</p>	
<p><b>DEC.12/33: TERMS OF REFERENCE OF THE AIS AUTOMATION ACTION GROUP</b></p> <p>That, the Terms of Reference of the AIS Automation Action Group (AISA AG) be updated as at Appendix 5.3H to the Report on Agenda Item 5.3.</p>	<p>Implement the Decision</p>	<p>MIDANPIRG</p>	<p>Updated TOR</p>	<p>October 2010</p>	

CONCLUSIONS AND DECISIONS	FOLLOW-UP	TO BE INITIATED BY	DELIVERABLE	TARGET DATE	REMARKS
<p><b>CONC. 12/38: POSTING OF AMHS PLANS IN AMC</b></p> <p>That, MID States be encouraged to post their AMHS implementation plans on the European ATS Messaging Management Centre (AMC).</p>	<p>Follow-up the posting of Plan on AMC</p>	<p>ICAO States</p>	<p>State Letter AMHS plans Posted</p>	<p>February 2011</p>	
<p><b>CONC. 12/39: MID IP NETWORK SURVEY</b></p> <p>That, MID States be urged to complete the MID IP Network survey as at <b>Appendix 5.4A</b> to the Report on Agenda Item 5.4 and send to ICAO MID Regional Office by February 2011.</p>	<p>Follow-up in IP Network in MID Region</p>	<p>ICAO States</p>	<p>State Letter Completed survey</p>	<p>February 2011</p>	
<p><b>CONC.12/40: USE OF PUBLIC INTERNET IN THE MID REGION</b></p> <p>That MID States be encouraged to:</p> <p>a) follow the guidance <b>Appendix 5.4B</b> to the Report on Agenda Item 5.4, when using the public internet for critical aeronautical communication; and</p> <p>b) provide to the ICAO MID Regional Office, the inventory on the public internet usage ; as at <b>Appendix 5.4C</b> to the Report on Agenda Item 5.4 by 20 February 2011.</p>	<p>Implement the Conclusion</p>	<p>States</p>	<p>State Letter  Inventory of public internet  ATN/IPS WG report</p>	<p>February 2011  March 2011</p>	
<p><b>DEC. 12/41: REVISED NAME AND TOR OF THE IPS WG</b></p> <p>That, the IPS WG is renamed as ATN/IPS WG with same members; and its terms of reference and work programme of the ATN/IPS Working Group be updated as at <b>Appendix 5.4D</b> to the Report on Agenda Item 5.4.</p>	<p>Implement the Decision</p>	<p>MIDANPIRG/12</p>	<p>Revised TOR</p>	<p>October 2010</p>	
<p><b>DEC.12/42: DISSOLVE THE AD-HOC ACTION GROUP FOR THE SUPPORT OF AERONAUTICAL FREQUENCY BANDS</b></p> <p>That, the Ad-Hoc action group for the support of Aeronautical frequency bands is dissolved and its task to be carried by the CNS SG.</p>	<p>Implement the Decision</p>	<p>MIDANPIRG/12</p>	<p>Dissolve AD-HOC Group</p>	<p>October 2010</p>	

CONCLUSIONS AND DECISIONS	FOLLOW-UP	TO BE INITIATED BY	DELIVERABLE	TARGET DATE	REMARKS
<p><b>CONC. 12/43: SUPPORT ICAO POSITION FOR WRC-12</b></p> <p>That, MID States be urged to:</p> <p>a) include ICAO Position on WRC-12 in their State Position to the extent possible;</p> <p>b) support Civil Aviation Authorities, aviation spectrum experts to participate actively in the national and regional level activities related to WRC-12 including ITU study groups to support ICAO Position; and</p> <p>c) support Civil Aviation Authorities, aviation spectrum experts to participate in WRC-12 and coordinate with the ICAO delegation to the conference</p>	<p>Follow up with States to support ICAO positions</p>	<p>ICAO States</p>	<p>State Letter CNS SG/4 Report Support ICAO positions</p>	<p>February 2012</p>	
<p><b>CONC. 12/44: UPDATING THE AFTN/CIDIN DIRECTORY</b></p> <p>That, ICAO MID Regional Office request Authorization from EUROCONTROL to provide the routing function and any additional functions available in AMC to the MID Region.</p>	<p>Follow-up with EUROCONTROL for additional fun</p>	<p>ICAO</p>	<p>State Letter</p>	<p>February 2011</p>	
<p><b>CONC 12/45: MID SURVEILLANCE WORKSHOP</b></p> <p>That,</p> <p>a) the ICAO MID Regional Office organizes a workshop with an objective to raise awareness, develop MID Regional Surveillance strategy and road map; and</p> <p>b) MID States participate in the workshop and provide their future surveillance plans</p>	<p>Implement the Conclusion</p>	<p>ICAO State</p>	<p>Organize Workshop State to attend workshop and provide their plan</p>	<p>2011</p>	

CONCLUSIONS AND DECISIONS	FOLLOW-UP	TO BE INITIATED BY	DELIVERABLE	TARGET DATE	REMARKS
<p><b>CONC. 12/46: EXCHANGE OF SURVEILLANCE DATA</b></p> <p>That, MID States be encouraged, to share ATS surveillance data in order to improve surveillance coverage in the MID Region, which will enhance safety, efficiency, capacity and could be used as back-up where feasible.</p>	<p>Implement the Conclusion</p>	<p>ICAO States</p>	<p>State Letter Exchange Surveillance data</p>	<p>February 2011</p>	
<p><b>CONC. 12/47: MID REGION PERFORMANCE METRICS</b></p> <p>That:</p> <p>a) the following MID Region Metrics be adopted for performance monitoring of the air navigation systems:</p> <p>MID Metric 1: Number of accidents per 1,000 000 departures;          MID Metric 2: Percentage of certified international aerodromes;          MID Metric 3: Number of Runway incursions and excursions per year;          MID Metric 4: Number of States reporting necessary data to the MIDRMA on regular basis and in a timely manner;          MID Metric 5: The overall collision risk in MID RVSM airspace;          MID Metric 6: Percentage of air navigation deficiencies priority "U" eliminated;          MID Metric 7: Percentage of instrument Runway ends with RNP/RNAV approach procedure; and          MID Metric 8: Percentage of en-route PBN routes implemented in accordance with the regional PBN plan.</p> <p>b) the MIDANPIRG subsidiary bodies monitor the Metrics related to their work programmes; develop associated performance targets and provide feed-back to MIDANPIRG.</p>	<p>Monitor performance of ANS using the endorsed metrics</p>	<p>MIDANPIRG &amp; subsidiary bodies</p>	<p>Develop performance targets</p>	<p>2011</p>	

CONCLUSIONS AND DECISIONS	FOLLOW-UP	TO BE INITIATED BY	DELIVERABLE	TARGET DATE	REMARKS
<p><b>CONC. 12/48: DATA COLLECTION FOR MID REGION PERFORMANCE METRICS</b></p> <p>That, States be invited to:</p> <ul style="list-style-type: none"> <li>a) incorporate the agreed MID Region Performance Metrics into their National performance monitoring process;</li> <li>b) collect and process relevant data necessary for performance monitoring of the air navigation systems to support the regional Metrics adopted by MIDANPIRG; and</li> <li>c) submit this data to the ICAO MID Regional Office on a regular basis.</li> </ul>	<p>Implement the Conclusion</p>	<p>ICAO States</p>	<p>State Letter</p> <p>Include metrics into national performance monitoring</p> <p>Submit data to ICAO</p>	<p>January 2011</p>	
<p><b>DEC. 12/49: REVIEW OF THE MID AIR NAVIGATION PLAN (ANP)</b></p> <p>That, in support to ICAO efforts to improve regional ANPs, the MIDANPIRG subsidiary bodies:</p> <ul style="list-style-type: none"> <li>a) carry out a complete review of the MID Basic ANP and FASID parts related to their Terms of Reference (TOR) and Work Programme;</li> <li>b) develop revised draft structure and content of the Basic ANP in order to reconcile it with the ATM Operational Concept, the Global Plan provisions and the performance based approach;</li> <li>c) identify the need for and development of those FASID Tables necessary to support the implementation of a performance-based global air navigation systems; and</li> <li>d) report progress to MIDANPIRG/13.</li> </ul>	<p>Implement the Decision</p>	<p>ICAO States Users</p>	<p>New structure, format &amp; content of ANP/FASID</p>	<p>2012</p>	

CONCLUSIONS AND DECISIONS	FOLLOW-UP	TO BE INITIATED BY	DELIVERABLE	TARGET DATE	REMARKS
<p><b>DEC. 12/50: TERMS OF REFERENCE OF THE INFPL STUDY GROUP</b></p> <p>That, the Terms of Reference and Work Programme of the INFPL Study Group be updated as at <b>Appendix 5.5G</b> to the Report on Agenda Item 5.5</p>	Implement the Decision	MIDANPIRG	Updated TOR	October 2010	
<p><b>CONC. 12/51: INFPL IMPLEMENTATION DIFFICULTIES</b></p> <p>That, MID States be urged to complete the impact studies and file any difficulties arising in the implementation of INFPL to the ICAO MID Regional Office for posting on FITS.</p>	Implement the Conclusion	ICAO States	State Letter Completed impact study File difficulties	April 2011 October 2012	
<p><b>CONC. 12/52: ICAO NEW FLIGHT PLAN FORMAT IMPLEMENTATION</b></p> <p>That, MID States be urged to:</p> <p>a) secure necessary budget for the implementation of the ICAO New FPL Format;</p> <p>b) initiate necessary negotiation with their ATC systems manufacturers/ vendors for the implementation of necessary hardware/software changes, as soon as possible;</p> <p>c) develop National PFF related to the ICAO new FPL format project with clearly established milestones with timelines; and</p> <p>d) take all necessary measures to comply with the applicability date of 15 November 2012.</p>	Implement the Conclusion	States	Secure resources	June 2012	
<p><b>CONC. 12/53: QUESTIONNAIRE ON THE STATUS OF INFPL IMPLEMENTATION</b></p> <p>That, MID States be urged to reply to the Questionnaire on the Status of Implementation of Amendment 1 to the Procedures for Air Navigation Services-Air Traffic Management, Fifteenth Edition (PANS-ATM, Doc 4444) as at <b>Appendix 5.5J</b> to the Report on Agenda Item 5.5, by 20 February 2011.</p>	Implement the Conclusion	States	Completed questionnaire	February 2011	

CONCLUSIONS AND DECISIONS	FOLLOW-UP	TO BE INITIATED BY	DELIVERABLE	TARGET DATE	REMARKS
<p><b>CONC. 12/54: STRATEGY FOR THE IMPLEMENTATION OF INFPL</b></p> <p>That, MID Region Strategy for the implementation of INFPL be adopted as at <b>Appendix 5.5K</b> to the Report on Agenda Item 5.5</p>	Implement the Conclusion	MIDANPIRG/12	Adopted Strategy	October 2010	
<p><b>CONC. 12/55: INFPL IMPLEMENTATION PLANS AND PROGRESS REPORT</b></p> <p>That, MID States be urged to send INFPL Implementation plans and progress report on the preparation for the implementation of INFPL to the ICAO MID Regional Office every (3) three months and whenever major progress is achieved.</p>	Implement the Conclusion	States	Progress Report	Every 3 months	
<p><b>CONC. 12/56: STRATEGY FOR THE IMPLEMENTATION OF GNSS IN THE MID REGION</b></p> <p>That, the Strategy for implementation of GNSS in the MID Region be updated as at <b>Appendix 5.5N</b> to the Report on Agenda Item 5.5.</p>	Implement the Conclusion	MIDANPIRG/12	Adopted new Strategy	October 2010	
<p><b>CONC. 12/57: MID REGION PBN IMPLEMENTATION STRATEGY AND PLAN</b></p> <p>That, the MID Region PBN Implementation Strategy and Plan be updated as at <b>Appendix 5.5P</b> to the Report on Agenda Item 5.5.</p>	Implement the Conclusion	MIDANPIRG/12	Approved Strategy	October 2010	
<p><b>CONC. 12/58: PBN IMPLEMENTATION PROGRESS REPORT</b></p> <p>That, for future reporting on the status of PBN implementation, MID States be urged to:</p> <p>a) use the excel sheet as at <b>Appendix 5.5Q</b> to the Report on Agenda Item 5.5 and PBN Implementation Progress Report Template as at <b>Appendix 5.5R</b> to the Report on Agenda Item 5.5; and</p> <p>b) submit progress reports to ICAO MID Regional Office every six months or whenever major progress is achieved.</p>	Implement the Conclusion	States	Progress Report	Every 6 months	

CONCLUSIONS AND DECISIONS	FOLLOW-UP	TO BE INITIATED BY	DELIVERABLE	TARGET DATE	REMARKS
<p><b>DEC. 12/59: TERMS OF REFERENCE OF THE PBN/GNSS TASK FORCE</b></p> <p>That, the Terms of Reference and Work Programme of the PBN/GNSS Task Force be updated as at <b>Appendix 5.5T</b> to the Report on Agenda Item 5.5.</p>	Implement the Decision	MIDANPIRG	Updated TOR	October 2010	
<p><b>DEC. 12/60: LIST OF TASK FOR PBN/GNSS TASK FORCE</b></p> <p>That, the list of tasks for the PBN/GNSS Task Force be updated with new task assignments as at <b>Appendix 5.5U</b> to the Report on Agenda Item 5.5.</p>	Implement the Decision	MIDANPIRG	PBN/GNSS TF/3 Report	October 2010	
<p><b>CONC. 12/61: IMPLEMENTATION OF CONTINUOUS DESCENT OPERATIONS</b></p> <p>That, recognizing the efficiency and environmental benefits of Continuous Descent Operations (CDO), and the need to harmonize these operations in the interest of safety, MID States be encouraged to include implementation of CDO as part of their PBN implementation plans and to implement CDO in accordance with the ICAO CDO Manual Doc 9931.</p>	Follow up development in MID Region/States	States	Progressive introduction of CDO operations in TMAs	2012	
<p><b>DEC. 12/62: DISSOLVE MID-FIT</b></p> <p>That, MID-FIT is dissolved and the matters related to data link activities are considered and followed by the CNS/ATM/IC SG.</p>	Implement the Decision	MIDANPIRG	Dissolved MID-FIT	October 2010	
<p><b>CONC. 12/63: ADOPTION OF GOLD</b></p> <p>That, MID States be urged to:</p> <ul style="list-style-type: none"> <li>a) adopt Global Operational Data Link Document (GOLD) for data link operations; and</li> <li>b) contribute in future amendments to the GOLD as required.</li> </ul>	Implement the Conclusion	MIDANPIRG States	Adopted GOLD	October 2010	

CONCLUSIONS AND DECISIONS	FOLLOW-UP	TO BE INITIATED BY	DELIVERABLE	TARGET DATE	REMARKS
<p><b>CONC.12/75: ELIMINATION OF AIR NAVIGATION DEFICIENCIES IN THE MID REGION</b></p> <p>That, MID States be urged to:</p> <p>a) review their respective lists of identified deficiencies, define their root causes and forward an action plan for rectification of outstanding deficiencies to the ICAO MID Regional Office prior to 31 March 2011;</p> <p>b) use the online facility offered by the ICAO MID Air Navigation Deficiency Database (MANDD) for submitting online requests for addition, update, and elimination of air navigation deficiencies;</p> <p>c) accord high priority to eliminate all air navigation deficiencies with emphasis on those with priority “U”; in particular by allocating the necessary budget to ensure that their Civil Aviation Authorities have and retain a sufficient number of qualified technical personnel, who are provided with appropriate initial, on-the-job and recurrent training; and</p> <p>d) seek support from regional and international organizations (i.e. ACAC, GCC, etc.) for the elimination of identified air navigation deficiencies.</p>	Implement the Conclusion	ICAO States	State Letter Feedback from States	January 2011	
<p><b>DEC. 12/76: DISSOLUTION OF THE AIR NAVIGATION SAFETY SUB-GROUP</b></p> <p>That, recognizing that the Air Navigation Safety Sub-Group (ANS SG) work programme could be achieved more efficiently using alternative mechanisms and groupings, the ANS SG is dissolved.</p>	Implement the Decision	MIDANPIRG	ANS SG dissolved	October 2010	
<p><b><u>DGCA-MID/1</u></b></p> <p><b>CONC. 1/2: ELIMINATION OF AIR NAVIGATION DEFICIENCIES IN THE MID REGION</b></p> <p>That, States:</p>					

<b>CONCLUSIONS AND DECISIONS</b>	<b>FOLLOW-UP</b>	<b>TO BE INITIATED BY</b>	<b>DELIVERABLE</b>	<b>TARGET DATE</b>	<b>REMARKS</b>
<p>a) accord high priority to the elimination of air navigation deficiencies; in particular by allocating the necessary budget to ensure that their Civil Aviation Authorities have and retain a sufficient number of qualified technical personnel, and provide appropriate initial, on-the-job and recurrent training;</p> <p>b) work cooperatively towards the elimination of common deficiencies; and</p> <p>c) consider the use of the Regional Safety Oversight Organizations (RSOOs) as an efficient mechanism for, inter-alia, the provision of appropriate training to technical staff and elimination of common deficiencies.</p>					