



International Civil Aviation Organization

MIDANPIRG Communication, Navigation and Surveillance Sub-Group

Ninth Meeting (CNS SG/9)
(Cairo, Egypt, 19 – 21 March 2019)

Agenda Item 2: Follow-up on MSG/6 Conclusions and Decisions relevant to CNS

**FOLLOW-UP ON MIDANPIRG/16 AND MSG/6
CONCLUSIONS AND DECISIONS RELEVANT TO CNS**

(Presented by the Secretariat)

SUMMARY

This paper presents the MIDANPIRG/16 and MSG/6 Conclusions and Decisions relevant to CNS and the follow-up actions taken by concerned parties.

Action by the meeting is at paragraph 3.

REFERENCES

- MIDANPIRG/16 Report
- MSG/6 Report

1. INTRODUCTION

1.1 The MIDANPIRG/16 meeting was held in Kuwait, 13-16 February 2017. The meeting developed 21 Conclusions and 11 Decisions.

1.2 The MSG/6 meeting was held in Cairo, Egypt, 3-5 December 2018. The meeting developed 32 Conclusions and 6 Decisions.

2. DISCUSSION

2.1 This paper provides the meeting with an update on the status of MIDANPIRG/16 and MSG/6 Conclusions and Decisions related to CNS. It presents also the follow-up actions taken by concerned parties.

2.2 Extracts of the action plans containing the relevant MIDANPIRG/16 and MSG/6 Conclusions and Decisions related to the CNS Sub-Group Work Programme are at **Appendices A and B**, respectively.

3. ACTION BY THE MEETING

3.1 The meeting is invited to note the follow-up action on the list of MIDANPIRG/16 and MSG/6 Conclusions and Decisions at **Appendices A** and **B**, respectively and take action, as appropriate.

APPENDIX A

FOLLOW-UP ACTION PLAN ON MIDANPIRG/16 CONCLUSIONS AND DECISIONS

CONCLUSIONS AND DECISIONS	CONCERNS/ CHALLENGES (RATIONALE)	DELIVERABLE/ TO BE INITIATED BY		TARGET DATE	STATUS/REMARKS
<p>CONCLUSION 16/15: MID IP NETWORK PROJECT (CRV)</p> <p>That,</p> <p>a) States that have already committed to join CRV, are invited to engage with the recommended supplier to establish individual service contracts; and</p> <p>b) States that have not yet done so, are urged to carry out a comprehensive CBA related to the implementation of an IP Network under the CRV framework; and inform the ICAO MID Office, as soon as possible, about their decision related to the joining of CRV.</p>		<p>State Letter</p> <p>Engage with the recommended supplier</p>	<p>ICAO</p> <p>States</p>	<p>May 2017</p> <p>Dec 2017</p>	<p>Actioned</p> <p>SL Ref.: AN 6/31.4-17/160 dated 29 May 2017 (Egypt)</p>
<p>CONCLUSION 16/22: MODE S INTERROGATOR CODE (IC) ALLOCATION</p> <p>That, States, that have not yet done so, be urged to:</p> <p>a) provide the ICAO MID Office with their Mode S Interrogator Code (IC) Focal Points; and</p> <p>b) register to the MICA application for the allocation of the Mode S Interrogator Code (IC) at: https://ext.eurocontrol.int/mica/Index.action</p>		<p>State Letter</p> <p>Focal Point(s) MICA Registration</p>	<p>ICAO</p> <p>States</p>	<p>Sep 2017</p> <p>Dec 2017</p>	<p>Actioned</p> <p>SL Ref.: AN 7/27 – 17/329 dated 26 Nov. 2017 (Egypt, Jordan, Kuwait, Saudi Arabia, Sudan)</p>
<p>DECISION 16/23: MID REGION SURVEILLANCE PLAN</p> <p>That, the MID Region Surveillance Plan be developed by the CNS SG, based on the operational needs identified by the ATM SG.</p>		<p>MID Region Surveillance Plan</p>	<p>CNS SG</p>	<p>Q1 2018</p>	<p>Completed</p> <p>MSG Conclusion 6/x</p>
<p>CONCLUSION 16/24: FTBP TESTING DOCUMENT</p> <p>That, the First Edition of File Transfer Body Part (FTBP) Testing Document at Appendix 5.2.2N is endorsed.</p>		<p>FTBP Testing Document</p>	<p>MIDANPIRG/16</p>	<p>Feb 2017</p>	<p>Completed</p>

CONCLUSIONS AND DECISIONS	CONCERNS/ CHALLENGES (RATIONALE)	DELIVERABLE/ TO BE INITIATED BY		TARGET DATE	STATUS/REMARKS
<p>DECISION 16/25: TERMS OF REFERENCE OF THE MIDAMC STG</p> <p>That, the Terms of Reference and Work Programme of the MIDAMC STG be updated as at Appendix 5.2.20.</p>		MIDAMC STG TORs	MIDANPIRG/16	Feb 2017	Completed
<p>DECISION 16/26: ATM DATA SECURITY ACTION GROUP</p> <p>That, the ATM Data Security Action Group (ADSAG) be:</p> <p>a) established to develop the MID Region ATM Data Security Plan, to be presented to the CNS SG/8.</p> <p>b) composed of members from Bahrain, Iran, Kuwait, Oman, Saudi Arabia, UAE (Rapporteur), ICAO and IFAIMA.</p>		State Letter MID Region ATM Data Security Plan	ICAO ADSAG members	Jun 2017 Q1-2018	Completed SL Ref: AN 6/38 – 17/334 dated 29 Nov. 2017 (Bahrain, Egypt, Jordan, Kuwait, UAE)

APPENDIX B

FOLLOW-UP ACTION PLAN ON MSG/6 CONCLUSIONS AND DECISIONS

CONCLUSIONS AND DECISIONS	CONCERNS/ CHALLENGES (RATIONALE)	DELIVERABLE/ TO BE INITIATED BY		TARGET DATE	STATUS/REMARKS
<p>MSG CONCLUSION 6/24: SUPPORT ICAO POSITION TO WRC-19</p> <p>That, States be urged to:</p> <ul style="list-style-type: none"> a) work closely with the States Telecommunication Authorities to support the ICAO Position to the WRC-19; b) make necessary arrangements for the designated Civil Aviation Personnel to participate actively in the preparatory work for WRC-19 at the national level; and c) attend the preparatory regional spectrum management groups meetings and WRC-19 to support and protect aviation interests. 	<p>To protect Aeronautical Spectrum for all radiocommunication and radionavigation systems</p>	<p>ICAO position is supported in the WRC-19</p>	<p>States</p>	<p>2019</p>	<p>Actioned</p>
<p>MSG CONCLUSION 6/25: FREQUENCY MANAGEMENT WORKSHOP</p> <p>That, ICAO consider the organization of a Workshop on the Frequency Finder Tool jointly with ACAO in 2020.</p>	<p>To build capacity on frequency management</p>	<p>Frequency Management workshop</p>	<p>ICAO MID</p>	<p>2020</p>	<p>Ongoing</p>
<p>MSG CONCLUSION 6/26: REGISTERED FREQUENCY UPDATE</p> <p>That, for an optimized frequency assignment process and in order to ensure that assigned frequencies to MID States are not interfering, States that have not yet done so, be urged to:</p> <ul style="list-style-type: none"> a) verify and update existing registered frequencies in the COM list; b) add any missing frequencies with the full details, where applicable; c) delete unused frequencies; d) send the changes in excel format generated by the FF export function; and e) provide the ICAO MID Office with feedback before 15 February 2019. 	<p>To optimize frequency assignment process and reduce interferences</p>	<p>State Letter</p> <p>Registered frequency database is up to date</p>	<p>ICAO</p> <p>States</p>	<p>Dec. 2018</p> <p>15 Feb. 2019</p>	<p>Actioned</p> <p>SL Ref. AN 7/5.7 – 18/410 dated 19 December 2019.</p> <p>Replies received from Bahrain, Egypt, Iraq, Kuwait, Qatar, Saudi Arabia, Sudan, and UAE</p>

CONCLUSIONS AND DECISIONS	CONCERNS/ CHALLENGES (RATIONALE)	DELIVERABLE/ TO BE INITIATED BY		TARGET DATE	STATUS/REMARKS
<p>MSG CONCLUSION 6/27: FREQUENCY MANAGEMENT FOCAL POINTS</p> <p>That, States, that have not yet done so, be invited to assign Frequency Management Focal Points by 15 February 2019, for a better coordination of frequency management issues, including harmful interference.</p>	<p>To resolve frequency interferences incidents in a timely manner</p>	<p>Frequency focal points</p>	<p>States</p>	<p>15 February 2019</p>	<p>Actioned</p> <p>SL Ref. AN 7/5.7 – 18/411 dated 19 December 2019</p> <p>Replies received from Bahrain, Egypt, Iraq, Jordan, Kuwait, Saudi Arabia, Sudan and UAE</p>
<p>MSG CONCLUSION 6/28: MID CRV REQUIREMENT</p> <p>That, in order to request price revision from the CRV’s Service provider (PCCW Global) for the MID Region, States that have not done so, are urged to complete the MID CRV requirements at Appendix 5.3P, not later than 15 February 2019.</p>	<p>To request price revision from CRV supplier (PCCW)</p>	<p>consolidated Network requirements</p>	<p>States</p>	<p>15 February 2019</p>	<p>Actioned</p> <p>SL Ref. AN 6/31.4 – 18/412 dated 19 December 2019</p> <p>Replies received from Iran</p>
<p>MSG CONCLUSION 6/29: IMPLEMENTATION OF FILE TRANSFER BODY PART (FTBP)</p> <p>That, States are urged to:</p> <ul style="list-style-type: none"> a) implement FTBP capability at National COM Centres (AMHS is a pre-requisite); b) implement P3/P7 with FTBP capability at the National OPMET Centre (NOC); and c) set the maximum overall AMHS Message size to 4 MB. 	<p>To enable IWXXM implementation</p>	<p>FTBP implemented</p>	<p>States</p>	<p>November 2020</p>	<p>Actioned /Ongoing</p> <p>SL Ref. AN 7/31 – 18/413 dated 19 December</p>
<p>MSG CONCLUSION 6/30: THE COMMUNICATION NETWORK FOR IWXXM DATA EXCHANGE</p>	<p>To reduce the network complexity</p>	<p>Main and Backup Regional OPMT Centres join CRV</p>	<p>Bahrain and Saudi Arabia</p>	<p>November 2020</p>	<p>Actioned/ Ongoing</p> <p>SL Ref. AN 7/31 – 18/413 dated 19 December</p>

CONCLUSIONS AND DECISIONS	CONCERNS/ CHALLENGES (RATIONALE)	DELIVERABLE/ TO BE INITIATED BY		TARGET DATE	STATUS/REMARKS
That, the Main and Backup Regional OPMET Centres (Bahrain and Saudi Arabia) and the Main COM Centres in the MID Region be urged to join the CRV Project in order to enable the exchange of OPMET information in IWXXM format.					
<p>MSG CONCLUSION 6/31: GUIDANCE ON GNSS IMPLEMENTATION</p> <p>That, the Guidance on GNSS Implementation in the MID Region at Appendix 5.3Q is endorsed and be published as ICAO MID Doc 011.</p>	To provide guidance material to States on GNSS implementation	Guidance on GNSS implementation in the MID Region	CNS SG	December 2018	<p>Completed</p> <p>MSG Conclusion 6/31</p>
<p>MSG CONCLUSION 6/32: MID REGION SURVEILLANCE PLAN AND WORKSHOP</p> <p>That, with a view to provide MICA Operator with necessary knowledge to implement MICA processes efficiently, and in order to develop a comprehensive Surveillance Plan in the MID Region:</p> <p>a) a Surveillance/MICA Workshop with support of EUROCONTROL be organised in February 2019);</p> <p>b) States invited to participate actively in the Workshop; and</p> <p>c) the Draft MID Region Surveillance Plan be reviewed/updated during the Surveillance/MICA Workshop and presented to the CNS SG/9 meeting for further review, before presentation to the MIDANPIRG/17 meeting for endorsement.</p>	<p>To define surveillance roadmap in the MID Region.</p> <p>To build capacity on Surveillance and MICA usage.</p>	<p>MID Region Surveillance Plan</p> <p>Organise Surveillance/MICA workshop</p>	<p>CNS SG</p> <p>ICAO MID Office</p>	<p>April 2019</p> <p>February 2019</p>	<p>Actioned/ Ongoing</p>
<p>MSG CONCLUSION 6/33: ATM DATA CYBER SECURITY (ADCS) PORTAL</p> <p>That,</p> <p>a) the ADCS Portal be used as a prototype platform for ATM cyber</p>		State Letter	ICAO MID Office	February 2019	<p>Actioned/ Completed</p> <p>Ref. AN 7/36 – 19/042 dated 11 February 2019</p>

CONCLUSIONS AND DECISIONS	CONCERNS/ CHALLENGES (RATIONALE)	DELIVERABLE/ TO BE INITIATED BY		TARGET DATE	STATUS/REMARKS
security; and b) States be encouraged to: i) assign ADCS focal point(s) to register on the ADCS Portal; ii) provide feedback to the ADCS Admin by 15 February 2019 for further enhancements; and iii) share their experience related to cyber security, through the ADCS Portal.	To facilitate sharing experience on ATM Data cyber security	ADCS focal points	States		
MSG CONCLUSION 6/34: CYBER SECURITY AND RESILIENCE SEMINAR That, in order to enrich the cyber security awareness and strengthen the cyber resilience in the MID Region, ICAO organise a Cyber Security and Resilience Seminar in 2019 jointly with ACAO.	To build capacity on Cyber security and resilience in the MID Region	Organize Cyber Security & resilience Symposium	ICAO MID Office	October 2019	Ongoing
MSG CONCLUSION 6/35: CYBER SECURITY SUBJECT MATTER EXPERT That, to strengthen States' Cyber-resilience capabilities in the MID Region, States be invited to ensure that they have qualified/trained Cyber Security Subject Matter Experts.	To ensure availability of required competencies on cyber security in States	State Letter Cyber Security SME	ICAO MID Office States	February 2019	Actioned/ Completed Ref. AN 7/36 – 19/042 dated 11 February 2019
DRAFT CONCLUSION 6/2: KHARTOUM COM CENTRE That, in order to establish a third Gateway to the AFI Region, Khartoum COM Centre be changed to a main Centre.	To improve the data communication between AFI and MID Regions			April 2019	Ongoing