International Civil Aviation Organization

MID ATS Message Management Center Steering Group

Second Meeting (MIDAMC STG/2)
(Cairo, Egypt 10 - 12 March 2015)

Agenda Item 4: Enhancement of the MID AFS Network Services

PROPOSAL FOR AMENDMENT OF THE MID AFTN RATIONALIZED PLAN

(Presented by secretariat)

SUMMARY

This paper presents an updated version of the MID FASID table CNS 1A "Rationalized AFTN Plan" as consolidated during the ANSIG/1 meeting.

Action by the meeting is at paragraph 3.

REFERENCES

- ANSIG/1/1 Report
- CNS SG/6 Report

1. INTRODUCTION

1.1 The Sixth meeting of the MIDANPIRG Communication, Navigation and Surveillance Sub-Group (CNS SG/6) was held in Tehran, Iran 9 -11 September 2014. The meeting was attended by thirty four (34) participants, from five (5) States (Bahrain, Iran, Kuwait, Oman and United Arab Emirates) and two (2) Organizations (IATA and SITA).

1.2 The First meeting of the Air Navigation Systems Implementation Group (ANSIG/1) was held in Cairo, Egypt, 10 – 12 February 2015. The meeting was attended by a total of thirty two (32) participants from seven (7) States and two (2) Organizations.

2. DISCUSSION

2.1 The meeting may wish to recall that the procedures for the amendment of the Basic ANP and FASID were approved by the Council in 1998. These procedures are to be followed to initiate any amendment proposal for the MID Basic ANP and FASID.

2.2 The CNS SG/6 meeting agreed that the deficiencies related to old AFTN connections be deleted from MANDD, pending the approval of an amendment to the MID FASID to delete these connections from the plan.

2.3 Based on the above, the MID Regional AFTN plan contained in the MID FASID Doc 9708 was updated to refelect the necessary changes in order to delete those connections that are not implemented since long time. These conections were also replaced by other circuits to meet the AFTN requirements in the MID Region.

2.4 The ICAO MID Regional Office, in coordination with the MIDAMC, developed **Appendix A**, which shows the necessry changes to the AFTN Plan, which was presented to ANSIG/1 meeting. Accoridngly, the ANSIG/1 meeting agree to the following Draft Conclusion:

DRAFT CONCLUSION 1/10: PROPOSAL FOR AMENDMENT TO MID FASID – AFTN PLAN

*That, the ICAO MID Regional Office process a proposal for amendment to the MID ANP, Volume II, to amend the FASID - Table CNS1A as at **Appendix A**, in accordance with standard procedure.*

2.5 The meeting may wish to note that according to the study by the MIDAMC, on the performance for Baghdad AFTN connections require improvement. Another fact was also highlighted by the MIDAMC concerning the improvement of the connection with the AFI Region, due to the missing flight plans.

3. ACTION BY THE MEETING

3.1 The meeting is invited to:

a) review and update, as deemed necessary, the the MID FASID Table CNS 1A in **Appendix A**; based on the facts in para 2.5; and

b) agree on the below Draft Conclusion:

DRAFT CONCLUSION 2/X: PROPOSAL FOR AMENDMENT TO MID FASID – AFTN PLAN

*That, the ICAO MID Regional Office process a Proposal for Amendment to the MID ANP, Volume II, to amend the FASID - Table CNS1A as at **Appendix 2X**, in accordance with standard procedure.*

APPENDIX A

TABLE CNS 1A AERONAUTICAL FIXED TELECOMMUNICATIONS NETWORK (AFTN) PLAN

EXPLANATION OF THE TABLE

Column

1 The AFTN Centres/Stations of each State are listed alphabetically. Each circuit appears twice in the table. The categories of these facilities are as follows:
M - Main AFTN COM Centre
T - Tributary AFTN COM Centre
S - AFTN Station

2 Category of circuit:
M - Main trunk circuit connecting Main AFTN communication centres.
T - Tributary circuit connecting Main AFTN communication centre and Tributary AFTN Communications Centre.
S - AFTN circuit connecting an AFTN Station to an AFTN Communication Centre.

3 Type of circuit provided:
LTT/a - Landline teletypewriter, analogue (e.g. cable, microwave)
LTT/d - Landline teletypewriter, digital (e.g. cable, microwave)
LDD/a - Landline data circuit, analogue (e.g. cable, microwave)
LDD/d - Landline data circuit, digital (e.g. cable, microwave)
SAT/a/d - Satellite link, with /a for analogue or /d for digital

4 Circuit signalling speed in bits/s.

5 Circuit protocols

6 Data transfer code (syntax):
ITA-2 - International Telegraph Alphabet No. 2 (5-unit Baudot code).
IA-5 - International Alphabet No. 5 (ICAO 7-unit code).
CBI - Code and Byte Independency (ATN compliant).

7 Remarks

State/Station	Category	Requirement				Remarks
		Type	Signalling Speed	Protocol	Code	
1	2	3	4	5	6	
BAHRAIN						
BAHRAIN						
ABU DHABI	M		64 – 9.6Kbps	CIDIN	IA-5	
BEIRUT	M		9.6Kbps	CIDIN	IA-5	
DOHA	T		64 – 9.6Kbps	None	IA-5	
JEDDAH	M		64 – 9.6Kbps		IA-5	
~~KABUL~~	~~T~~		--	~~None~~		
KUWAIT	M		64 – 9.6Kbps	None	IA-5	
MUSCAT	M		64 – 9.6Kbps	None	IA-5	
SINGAPORE	M		9.6Kbps	None	IA-5	
TEHRAN	M		64 – 9.6Kbps		IA-5	

State/Station	Category	Requirement				Remarks
		Type	Signalling Speed	Protocol	Code	
1	2	3	4	5	6	
EGYPT						
CAIRO	M					
AMMAN	M		64 – 9.6Kbps	None	IA-5	
ATHENS	T		64 – 9.6Kbps	CIDIN	IA-5	
BEN GURION	M		64 – 9.6Kbps	None	IA-5	
BEIRUT	M		9.6Kbps	CIDIN	IA-5	
JEDDAH	T		128–9.6Kbps	CIDIN	IA-5	
KHARTOUM	M		9.6Kbps	None	IA-5	
NAIROBI	M		9.6Kbps	None	IA-5	
TUNIS	M		64 – 9.6Kbps	None	IA-5	
TRIPOLI	M		64–19.2Kbps	None	IA-5	
TRIPOLI	M		9.6Kbps	None	IA-5	
DAMASCUS			64 – 9.6Kbps	None	IA-5	
IRAN						
TEHRAN	T					
BAHRAIN	M		64 Kbps	None	IA-5	
KABUL	T		-			
KUWAIT	M		64 Kbps	None	IA-5	
ABU-DHABI						
IRAQ						
BAGHDAD	T					
AMMAN	T		-	None	IA-5	
BEIRUT			-	None	IA-5	
KUWAIT						
ANKARA						
JORDAN						
AMMAN						
ABU DHABI	T		2M	AMHS		
BAGHDAD	T		2-	-	-	
~~BEIRUT~~	~~T~~		-	-	-	
BEN GURION	M		9.6 Kbps	None	IA-5	
CAIRO	T		64 – 9.6Kbps	None	IA-5	
DAMASCUS	T		64 – 9.6Kbps	None	IA-5	
JEDDAH	M		64–19.2Kbps	None		

State/Station	Category	Requirement				Remarks
		Type	Signalling Speed	Protocol	Code	
1	2	3	4	5	6	
KUWAIT						
KUWAIT						
BAHRAIN	M	LDD/d	64 – 9.6Kbps	None	I A-5	
DAMASCUS	T	LDD/a	50 BD	None	ITA-2	
BEIRUT	M	LDD/a	100 BD	None	ITA-2	
DOHA	M	LDD/a	64 – 9.6Kbps	None	IA- 5	
(EUR)	-					
KARACHI	M	LDD/d	64 Kbps	None	IA-5	
TEHRAN	M	LDD/d	64 – 9.6Kbps	None	IA-5	
BAGHDAD	T	SAT/ad	9.6Kbps	None	IA- 5	
LEBANON						
BEIRUT	M					
~~AMMAN~~	~~T~~		-	-	-	
BAGHDAD	M		-	None	-	
BAHRAIN	M		9.6Kbps	CIDIN	IA-5	
CAIRO	T		9.6Kbps	CIDIN	IA-5	
DAMASCUS	M		2 x 50 BD	None	ITA-2	
JEDDAH	M		9.6Kbps	CIDIN		
KUWAIT	M		100 BD	None	ITA-2	
NICOSIA			9.6Kbps	CIDIN	IA-5	
LIBYA						
TRIPOLI	T					
MALTA	T					
TUNIS	M					
BENGHAZI	T					
CAIRO	M		64 – 9.6Kbps	None	IA-5	
KHARTOUM	T		9.6Kps	X21	IA-5	
OMAN						
MUSCAT						
ABU DHABI	T		9.6Kbps	AMHS		
BAHRAIN	M		300 BD	None	IA-5	
MUMBAI	M		9.6Kbps	None	ITA-2	
JEDDAH	M		300 BD	None	ITA-2	
SANA'A	T		100 BD	None	ITA-2	
QATAR						
DOHA						
BAHRAIN	M		9.6Kbps	None	IA-5	
KUWAIT	M		64-9.6 Kps	None	ITA-2	
ABU DHABI	T		6Kbps	AMHS		

State/Station	Category	Requirement				Remarks
		Type	Signalling Speed	Protocol	Code	
1	2	3	4	5	6	
SAUDI ARABIA						
JEDDAH						
ADDIS-ABABA	M		9.6Kbps	None	IA-5	
BAHRAIN	M		64 – 9.6Kbps	CIDIN	IA-5	
BEIRUT	M		9.6Kbps	CIDIN	IA-5	
CAIRO	M		128–9.6Kbps	CIDIN	IA-5	
MUSCAT	M		~~300BD~~64Kbps	None	ITA-2	
SANA'A	T		9.6Kbps	None	IA-5	
AMMAN						
SUDAN						
KHARTOUM	M					
ADDIS ABABA	M		9.6Kbps	X21	IA-5	
ASMARA	T		9.6Kbps	X21	IA-5	
CAIRO	M		9.6Kbps	X21	IA-5	
JEDDAH	M		9.6Kbps	X21	IA-5	
TRIPOLI	T		9.6Kbps	X21	IA-5	
NDJAMENA	M		9.6Kbps	X21	IA-5	
SYRIA						
DAMASCUS						
ATHENS	M		2 X 50 BD	None	ITA-2	
AMMAN	T		64 – 9.6Kbps	None		
BEIRUT	M		2 X 50 BD	None	ITA-2	
CAIRO	M		50 BD	None	ITA-2	
KUWAIT	M		50 BD	None	ITA-2	
TEHRAN	T		50 BD	None	ITA-2	
UAE						
ABU DHABI						
BAHRAIN	M		64 – 9.6Kbps	CIDIN	IA-5	
AMMAN	T		2 Mbps	AMHS		
MUSCAT	M				IA-5	
QATAR			9.6Kbps	None		
TEHRAN	M					
			64 – 9.6Kbps	None	IA-5	
YEMEN						
SANA'A						
JEDDAH	M		9.6Kbps	None	IA-5	
MUSCAT	M		9.6Kbps	None	IA-5	

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