



*International Civil Aviation Organization*

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

**Fifth Meeting**  
*(Cairo, Egypt, 11 – 13 December 2012)*

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**Agenda Item 6: Review of air navigation deficiencies in the CNS field**

CNS DEFICIENCIES IN THE MID REGION

*(Presented by the Secretariat)*

**SUMMARY**

This working paper presents the deficiencies in the CNS field for review, update and remedial actions.

Action by the meeting is at paragraph 3.

**REFERENCES**

- MIDANPIRG/13 Report

**1. INTRODUCTION**

1.1 The identification, assessment and reporting of air navigation deficiencies represent a regular task of the ICAO Planning and Implementation Regional Groups (PIRGs).

1.2 The standard definition of deficiency adopted by the ICAO Council in November 2001 should be used as basis to avoid different interpretations of the problems raised, which could be classified as complaints/mission findings rather than deficiencies.

**2. DISCUSSION**

2.1 MIDANPIRG/13 noted that ICAO has developed a prototype system for the management of air navigation deficiencies at the global level based on the current Planning and Implementation Regional Group (PIRG)/regional efforts which are using respective regional air navigation deficiency databases (e.g.: MANDD for the MID Region) to support the implementation of the Uniform Methodology. The centralized system to manage deficiencies at the global level has been incorporated into the integrated Safety Trend Analysis and Reporting System (iSTARS) framework accessible through the ICAO safety page [www.icao.int](http://www.icao.int). The complete transition from the current five regional air navigation databases to single centralized database on iSTARS is scheduled for December 2012. Accordingly, MIDANPIRG/13 agreed to the following Conclusion:

*CONCLUSION 13/61: CENTRALIZED AIR NAVIGATION DEFICIENCY  
DATABASE*

*That, States and international organizations be invited to:*

- a) test the centralized air navigation deficiency database on iSTARS platform using the guidance in Appendix 5.1A to the Report on Agenda Item 5.1;*
- b) update the data as necessary in coordination with the ICAO MID Regional Office; and*
- c) provide feedback to the ICAO MID Regional Office by 31 August 2012.*

2.2 MIDANPIRG/13 recalled that the DGCA-MID/1 meeting (Abu Dhabi, UAE, 22-24 March 2011) noted the concerns expressed by the various ICAO organs including the Council, the Air Navigation Commission (ANC) and MIDANPIRG on the serious impact the long standing deficiencies have on safety, and through DGCA-MID/1 Conclusion 1/2 urged States to accord high priority to the elimination of air navigation deficiencies.

2.3 Further to the review and update of the deficiencies in the air navigation fields, MIDANPIRG/13, carried out necessary analysis, and accordingly re-iterated the DGCA-MID/1 Conclusion 1/2 and agreed to the following Conclusion:

*CONCLUSION 13/63: ELIMINATION OF AIR NAVIGATION DEFICIENCIES IN  
THE MID REGION*

*That, States be urged to:*

- a) review their respective lists of identified deficiencies, develop associated Corrective Action Plans and forward them to the ICAO MID Regional Office prior to 15 June 2012; and*
- b) use the ICAO MID Air Navigation Deficiency Database (MANDD) for submitting online requests for addition, update, and elimination of air navigation deficiencies, until the official launch of the Centralized Air Navigation Deficiency Database on iSTARS.*

2.4 MIDANPIRG/13 re-iterated that the identification and reporting of Air Navigation Deficiencies by User Organizations contribute significantly to the enhancement of air navigation safety in the MID Region. Nevertheless, the meeting noted with concern that the use of the MID Air Navigation Deficiency Database (MANDD) is far below expectations. Accordingly, the meeting urged States and other authorized Users to use the MANDD for the submission of requests for additions, updates and elimination of Air Navigation Deficiencies.

2.5 The updated list of deficiencies in the CNS field is at **Appendix A** to this working paper.

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

3.1 The meeting is invited to:

- a) review and update the list of deficiencies in the CNS field; and

- b) urge States to take necessary follow-up actions to implement MIDANPIRG/13 Conclusions 13/61 and 13/63, and the DGCA-MID/1 Conclusion 1/2.

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**APPENDIX A**

**Deficiencies in the CNS Field**

**BAHRAIN**

Item No	Identification		Deficiencies				Corrective Action			
	Requirement	Facilities/ Services	Description	Date First Reported	Remarks/ Rationale for Non-elimination		Description	Executing Body	Date of Completion	Priority for Action
1	AFTN Rationalized Plan (LIM MID RAN Rec 6/6, 6/9 and MIDANPIRG/4 Conclusion 4/19)	Afghanistan-Bahrain-Kabul-Bahrain AFTN Circuit	The circuit is not yet implemented	Oct, 1998	Bahrain is ready to implement the circuit	O	Follow-up the matter with IATA concerning Afghanistan VSAT are available and now checking compatibility	Afghanistan Bahrain	Jan, 2013	A

<sup>(1)</sup> Rationale for non-elimination: “F”= Financial

“H”= Human Resources

“S”= State (Military/political)

“O”= Other unknown causes

**Deficiencies in the CNS Field**

**EGYPT**

Item No	Identification		Deficiencies			Corrective Action			
	Requirement	Facilities/ Services	Description	Date First Reported	Remarks/ Rationale for Non-elimination	Description	Executing Body	Date of Completion	Priority for Action

No Deficiencies Reported

<sup>(1)</sup> Rationale for non-elimination: "F"= Financial

"H"= Human Resources

"S"= State (Military/political)

"O"= Other unknown causes

**Deficiencies in the CNS Field**

**IRAN**

Item No	Identification		Deficiencies				Corrective Action			
	Requirement	Facilities/ Services	Description	Date First Reported	Remarks/ Rationale for Non-elimination		Description	Executing Body	Date of Completion	Priority for Action
1	AFTN Rationalized Plan (LIM MID RAN Rec 6/6, 6/9 and MIDANPIRG/4 Conclusion 4/19)	Afghanistan-Iran-Kabul-Tehran AFTN Circuit	The circuit is not yet implemented	Oct, 1998	VSAT network to be implemented	S	Iran advised that they are ready	Afghanistan Iran	Jan, 2013	A

<sup>(1)</sup> Rationale for non-elimination: "F"= Financial

"H"= Human Resources

"S"= State (Military/political)

"O"= Other unknown causes

**Deficiencies in the CNS Field**

**IRAQ**

Item No	Identification		Deficiencies				Corrective Action			
	Requirement	Facilities/ Services	Description	Date First Reported	Remarks/ Rationale for Non-elimination		Description	Executing Body	Date of Completion	Priority for Action
1	ATS Direct Speech circuit	Iraq - Syria	ATS Direct speech circuit between adjacent centers is needed	Oct, 2008	New reported	O	Iraq Advise they can provide VSAT	Iraq and Syria	Jan, 2013	U
2	ATS Direct Speech circuit	Iraq - Jordan	ATS Direct speech circuit between adjacent centers is needed	Jan, 2009	newly reported	O	Iraq advised they can provide VSAT. However the VSAT was not provided yet and Jordan prepared the site.	Iraq and Jordan	Jan, 2013	U
3	MID FASID	Baghdad VOR	VOR not installed	Jan, 2009	Newly Reported	O	Iraq advised that all NAV AIDs will be installed according to the master plan	Iraq	Jan, 2013	U
4	MID FASID	Baghdad DME	DME not installed	Jan, 2009	Newly reported	O	Iraq advised that all NAV AIDs will be installed according to the master plan	Iraq	Jan, 2013	U

<sup>(1)</sup> Rationale for non-elimination: “F”= Financial

“H”= Human Resources

“S”= State (Military/political)

“O”= Other unknown causes

**Deficiencies in the CNS Field**

**JORDAN**

Item No	Identification		Deficiencies				Corrective Action			
	Requirement	Facilities/ Services	Description	Date First Reported	Remarks/ Rationale for Non-elimination		Description	Executing Body	Date of Completion	Priority for Action
1	AFTN Rationalized Plan (LIM MID RAN Rec 6/6, 6/9 and MIDANPIRG/4 Conclusion 4/19)	Jordan-Lebanon-Amman-Beirut AFTN Circuit	The circuit is not yet implemented	Oct, 1998	Jordan is ready to implement the circuit and already sent official letter to Lebanon in June 2010	S	Jordan is already co-ordinating with Lebanon	Jordan - Lebanon	Jan, 2013	A
2	ATS Direct Speech circuit	Iraq - Jordan	ATS Direct speech circuit between adjacent centers is needed	Jan, 2009	Newly reported	O	Iraq advise they can provide VSAT, Jordan Prepared the site and waiting for Iraq to install the VSAT	Iraq - Jordan	Jan, 2013	U

<sup>(1)</sup> Rationale for non-elimination: "F"= Financial

"H"= Human Resources

"S"= State (Military/political)

"O"= Other unknown causes

**Deficiencies in the CNS Field**

**KUWAIT**

Item No	Identification		Deficiencies			Corrective Action			
	Requirement	Facilities/ Services	Description	Date First Reported	Remarks/ Rationale for Non-elimination	Description	Executing Body	Date of Completion	Priority for Action

No Deficiencies Reported

<sup>(1)</sup> Rationale for non-elimination: “F”= Financial

“H”= Human Resources

“S”= State (Military/political)

“O”= Other unknown causes

**Deficiencies in the CNS Field**

**LEBANON**

Item No	Identification		Deficiencies				Corrective Action			
	Requirement	Facilities/ Services	Description	Date First Reported	Remarks/ Rationale for Non-elimination		Description	Executing Body	Date of Completion	Priority for Action
1	AFTN Rationalized Plan (LIM MID RAN Rec 6/6, 6/9 and MIDANPIRG/4 Conclusion 4/19)	Jordan-Lebanon Amman-Beirut AFTN Circuit	The circuit is not yet implemented	Oct, 1998	Lebanon is getting ready to implement the circuit	S	If problem persist, another alternative should be proposed in the MID AFTN Plan	Jordan Lebanon	Jan, 2013	A

<sup>(1)</sup> Rationale for non-elimination: “F”= Financial

“H”= Human Resources

“S”= State (Military/political)

“O”= Other unknown causes

**Deficiencies in the CNS Field**

**OMAN**

Item No	Identification		Deficiencies				Corrective Action			
	Requirement	Facilities/ Services	Description	Date First Reported	Remarks/ Rationale for Non-elimination		Description	Executing Body	Date of Completion	Priority for Action
1	Direct Speech circuit (LIM MID RAN)	Oman - Yemen	Direct Speech circuit is required	Oct, 1998	under Implementation	O	Oman confirm they are ready and advised direct speech circuit will be operational when Yemen is ready	Oman - Yemen	Jan, 2013	A

<sup>(1)</sup> Rationale for non-elimination: “F”= Financial

“H”= Human Resources

“S”= State (Military/political)

“O”= Other unknown causes

**Deficiencies in the CNS Field**

**QATAR**

Item No	Identification		Deficiencies			Corrective Action			
	Requirement	Facilities/ Services	Description	Date First Reported	Remarks/ Rationale for Non-elimination	Description	Executing Body	Date of Completion	Priority for Action
No Deficiencies Reported									

<sup>(1)</sup> Rationale for non-elimination: “F”= Financial

“H”= Human Resources

“S”= State (Military/political)

“O”= Other unknown causes

**Deficiencies in the CNS Field**

**SAUDI ARABIA**

Item No	Identification		Deficiencies			Corrective Action			
	Requirement	Facilities/ Services	Description	Date First Reported	Remarks/ Rationale for Non-elimination	Description	Executing Body	Date of Completion	Priority for Action
No Deficiencies Reported									

<sup>(1)</sup> Rationale for non-elimination: “F”= Financial

“H”= Human Resources

“S”= State (Military/political)

“O”= Other unknown causes

**Deficiencies in the CNS Field**

**SYRIA**

Item No	Identification		Deficiencies				Corrective Action			
	Requirement	Facilities/ Services	Description	Date First Reported	Remarks/ Rationale for Non-elimination		Description	Executing Body	Date of Completion	Priority for Action
1	ATS Direct SPeech circuit	Syria - IRAQ	Direct Speech circuit required between Syria and Iraq	Oct, 2008	-	O	Iraq advise they are ready to provide VSAT for the implementation	Syria-Iraq	Jan, 2013	U

<sup>(1)</sup> Rationale for non-elimination: “F”= Financial

“H”= Human Resources

“S”= State (Military/political)

“O”= Other unknown causes

**Deficiencies in the CNS Field**

**UAE**

Item No	Identification		Deficiencies			Corrective Action			
	Requirement	Facilities/ Services	Description	Date First Reported	Remarks/ Rationale for Non-elimination	Description	Executing Body	Date of Completion	Priority for Action

No Deficiencies Reported

<sup>(1)</sup> Rationale for non-elimination: "F"= Financial

"H"= Human Resources

"S"= State (Military/political)

"O"= Other unknown causes

**Deficiencies in the CNS Field**

**YEMEN**

Item No	Identification		Deficiencies				Corrective Action			
	Requirement	Facilities/ Services	Description	Date First Reported	Remarks/ Rationale for Non-elimination		Description	Executing Body	Date of Completion	Priority for Action
1	Direct SPeech Circuit with Adjacent center Djibouti	Yemen - Djibouti	requirement for a Direct SPeech Circuit with Adjacent center Djibouti	Oct, 1998	-	O	Establishment fo direct speech circuit between Yemen and Djibouti	Yemen - Djibouti	Jan, 2013	A
2	Direct SPeech Circuit with Adjacent center India	Yemen - India	Direct SPeech Circuit with Adjacent center India	Oct, 1998	-	O	Establishments of a Direct SPeech Circuit with Adjacent center in India	Yemen - India	Jan, 2013	A
3	Direct SPeech Circuit with Adjacent center Oman	Yemen - Oman	Requirement for a Direct SPeech Circuit with Adjacent center Oman	Oct, 1998	-	O	Establish a direct Speech Circuit with Adjacent center Oman	Yemen - Oman	Jan, 2013	A
4	Direct SPeech Circuit with Adjacent center with Eritrea and Somalia	Yemen - Eritrea , Somalia	requirement for a direct Speech Circuit with Adjacent center in Eritrea and Somalia	Oct, 1998	-	O	Establishment of direct Speech Circuit with Adjacent center in Eritrea and Somalia	Yemen - Eritrea , Somalia	Jan, 2013	A

<sup>(1)</sup> Rationale for non-elimination: "F"= Financial

"H"= Human Resources

"S"= State (Military/political)

"O"= Other unknown causes

**Note:\* Priority for action to remedy a deficiency is based on the following safety assessments:**

**'U' priority = Urgent requirements having a direct impact on safety and requiring immediate corrective actions.**

**Urgent requirement consisting of any physical, configuration, material, performance, personnel or procedures specification, the application of which is urgently required for air navigation safety.**

**'A' priority = Top priority requirements necessary for air navigation safety.**

**Top priority requirement consisting of any physical, configuration, material, performance, personnel or procedures specification, the application of which is considered necessary for air navigation safety.**

**'B' priority = Intermediate requirements necessary for air navigation regularity and efficiency.**

**Intermediate priority requirement consisting of any physical, configuration, material, performance, personnel or procedures specification, the application of which is considered necessary for air navigation regularity and efficiency.**

**Definition:**

**A deficiency is a situation where a facility, service or procedure does not comply with a regional air navigation plan approved by the Council, or with related ICAO Standards and Recommended Practices, and which situation has a negative impact on the safety, regularity and/or efficiency of international civil aviation.**

- END -

<sup>(1)</sup> Rationale for non-elimination: “F”= Financial

“H”= Human Resources

“S”= State (Military/political)

“O”= Other unknown causes