



International Civil Aviation Organization

MIDANPIRG Communication, Navigation and Surveillance Sub-Group

Eighth Meeting (CNS SG/8)
(Cairo, Egypt, 26 - 28 February 2018)

Agenda Item 4: CNS Planning and Implementation in the MID Region

HARMFUL INTERFERENCE

(Presented by I.R. Iran)

SUMMARY

This paper describes a method to solve Harmful Interference in MID Region.

Action by the meeting is at paragraph 4.

1. INTRODUCTION

1.1 The regulation and control of interference is essential to the safe and efficient operation of aeronautical radio services. An agreed framework of rules and preventative measures is thus an essential requirement.

1.2 It is to be noted that interference is defined by the way in which the interfered system operation is affected. Thus, any performance degradation, misinterpretation or loss of information, which would not occur in its absence, constitutes interference.

1.3 Coordination and assistance States are important for dealing with interference to Aeronautical Radio Services.

2. DISCUSSION

2.1 Usually harmful interference occurs in near border of countries from adjacent aeronautical station or other radio services such as FM broadcast stations, military systems, etc.

2.2 Considering and remove the harmful interference require coordination among States. These need long time that affect in safety aspects.

2.3 According to experiences, some of frequency coordination and radio interference following last between four to ten months and this causes interruption in operations.

2.4 Cooperation and interaction between States and ICAO Regional Offices have an important role in leading ICAO issues and goals. According to the role of aviation frequencies in safety of flights, this kind of coordination is essential.

3. CONCLUSION

3.1 Based on the above mentioned, it is essential to establish meeting with State members of MID Office to develop procedure for aeronautical frequency coordination and removing harmful interference.

4. ACTION BY MEETING

4.1 The meeting is invited to establish study group for considering frequency coordination and harmful interference in MID Region to develop appropriate procedure.

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