



*International Civil Aviation Organization*

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

**Sixth Meeting**  
*(Tehran, Iran, 09 - 11 September 2014)*

**Agenda Item 5: Performance Framework for CNS Implementation in the MID Region**

**HARMFUL INTERFERENCE**

*(Presented by Iran)*

<p style="text-align: center;"><b>SUMMARY</b></p> <p>This paper describes a method to solve Harmful Frequency Interference in the ICAO MID Region.</p> <p>Action by the meeting is at paragraph 4.</p>
<p style="text-align: center;"><b>REFERENCE</b></p> <ul style="list-style-type: none"> <li>- Doc. 9781</li> <li>- National Documents</li> </ul>

**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 past 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 Member of MID Office to develop procedure for aeronautical frequency coordination and removing harmful interference.

### **4. ACTION BY THE MEETING**

4.1 The meeting is invited to establish a Study Group for considering frequency coordination and harmful interference in the ICAO MID Region to develop appropriate procedure.

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