



INTERNATIONAL CIVIL AVIATION ORGANIZATION

Third Meeting of the APIRG Communications, Navigation and Surveillance Sub-Group (Nairobi, 26-30 April 2010)

Agenda Item 8: Review of ICAO position and preparation for ITU WRC-12

(Presented by the Secretariat)

SUMMARY
This paper highlights the important issues that will affect civil aviation at the ITU WRC-2012.
Action by the meeting is at paragraph 3.
REFERENCE: ICAO position

1. INTRODUCTION

1.1 The ICAO Position for the ITU WRC-2012 as prepared by the Aeronautical Communications Panel (ACP) and the Navigation Systems Panel (NSP) has been sent to contracting States by State letter E 3/5 – 06/61 dated 30 June 2009. ICAO position has been made available on the ICAO Website (www.icao.int/icaonet).

2. DISCUSSION

2.1 Issues of main concern to aviation are **agenda items 1.3, 1.4 and 1.7**. The following agenda items could also have bearings on civil aviation **1.2,1.5,1.9,1.12,1.15,1.19,1.21,1.22,1.23,1.25,4,and 8.2**. Development of studies taken place on these agenda items should be review to make sure that Aviation interest are not compromised.

2.2 **Agenda 1.3 - To consider Spectrum requirements and possible regulatory actions including allocations, in order to support the safe operation of unmanned Aircraft Systems (UAS), based on the results of ITU-R studies in accordance with Resolution 421.** The current studies being carried out by ITU-R WP 5B are very positive of aviation requirements. Studies on allocations of AM@S, AMS@S and/or ARNS, in order to satisfy

spectrum needs for UAS applications are supportive and are taken into consideration the existing aeronautical safety allocations. However, compatibility with existing services in particular ICAO standards based systems like MLS need to be insured. Due to the safety nature of UAS, regulatory provisions associated with the allocation need to be clear, unconditional and implementable in practice. The allocation should be confined to safety of communications systems and not payload.

2.3 Agenda Item 1.4 – To consider, based on the results of ITU-R studies, any further regulatory measures to facilitate introduction of new aeronautical mobile ® service (AM®S systems in the bands 112-117.975 MHz, 960-1164MHz and 5000-5030 MHz in accordance with Resolutions 413(Rev. WRC-07) a, 417 and 420(WRC-07).

2.4 The compatibility studies are now going on for digital sound- broadcasting below 108 MHz and AM®S. Studies are also going on for compatibility for introducing new allocation in the band 960-1164 MHz.

In the band 5000-5030 MHz due to the weak signal strength of the Radio- Navigation Satellite, Civil aviation should monitor closely any compatibility studies in this band.

2.5 Agenda Item 1.7- To consider the results of ITU-R studies in accordance with Resolution 222 (Rev. WRC-07) in order to ensure long-term spectrum availability and access to spectrum necessary to meet requirements for the aeronautical mobile-satellite ® service, and to take appropriate action on this subject, while retaining unchanged the generic allocation to the mobile-satellite service in the bands 1525-1559 MHz and 1626.5 – 1660.5 MHz Studies are being conducted by ITU- R WP 4C ICAO Head Quarters has been very active in the studies. Members should support the studies and ensure long-term spectrum availability and to safeguard spectrum access for AMS®S.

ACP-WG-F Activities

2.6 At the SP AFI meeting we managed to secure at least 2 ACP-WG-F meetings for AFI. However, the meetings have been split between Nairobi, Dakar and Cairo. Nairobi and Dakar will have a combined meeting and Cairo will have one. The Cairo meeting will take place on 19-27 September 2010. The second meeting will take place in Dakar/Nairobi next year. Conference Preparatory Meeting (CPM) will take place in Geneva 14-25 February 2011. All the AFI frequency managers should try to participate.

3. ACTION TO BE TAKEN BY THE MEETING

3.1 The meeting is invited to take note of the information above and also to,

1. Support the ICAO position attached at **Appendix A**; and
2. AFI frequency managers are urged to attend both Cairo meeting and CPM

Attachment A



Attachment A to
WP15.pdf