

ELEVENTH AIR NAVIGATION CONFERENCE

Montreal, 22 September to 3 October 2003

**Agenda Item 5 Review of the outcome of the ITU World Radio Conference (2003)
: (WRC-2003) and its impact on aeronautical electromagnetic spectrum
utilization**

AREAS OF CRITICAL CONCERN TO AVIATION THAT WILL BE ADDRESSED AT THE ITU WORLD RADIOCOMMUNICATION CONFERENCE 2007 (WRC-07)

(Presented by the Secretariat)

SUMMARY

This paper presents the agenda for the ITU World Radiocommunication Conference 2007 (WRC-07) and the preliminary agenda for WRC-10. It includes areas of critical concern to aviation that will be addressed at the conference and presents information on a preliminary time table for the development of the ICAO position for WRC-07.

1. INTRODUCTION

1.1 The International Telecommunication Union (ITU) World Radiocommunication Conference (WRC-03) (Geneva, Switzerland, 9 June - 4 July 2003) developed the draft agenda for the World Radiocommunication Conference (WRC-07) and the preliminary agenda for World Radiocommunication Conference (WRC-10). Both are reproduced in Appendix A. This paper identifies the items of the WRC-07 agenda that are of concern to aviation and proposes a planned course of action for the development of the ICAO position for WRC-07. The final agenda, dates and location for WRC-07 will be established by the ITU Council in due course. The results of the WRC-03 are presented in WP/15.

1.2 The Radiocommunication Bureau of the ITU has been requested by the WRC-03 to undertake specific studies for WRC-07 and to specifically invite ICAO's active participation.

2. **AGENDA OF WRC-07**

2.1 The agenda for the WRC-07 includes the following items, which are of relevance to aviation:

a) **WRC-07 Agenda Item 1.1:**

Requests from administrations to delete their country footnotes or to have their country name deleted from footnotes, if no longer required, in accordance with Resolution **26 (Rev. WRC-97)**;

b) **WRC-07 Agenda Item 1.2:**

To consider allocations and regulatory issues related to the Earth exploration-satellite (passive) service, space research (passive) service and the meteorological satellite service in accordance with Resolutions **[COM7/8] (WRC-03)** and **[COM5/3] (WRC-03)**;

c) **WRC-07 Agenda Item 1.3:**

In accordance with Resolution **[COM7/9] (WRC-03)**, consider upgrading of the radiolocation service to primary allocation status in the bands 9 000 - 9 200 MHz and 9 300 - 9 500 MHz, and extending by up to 200 MHz the existing primary allocations to the Earth exploration-satellite service (active) and the space research service (active) in the band 9 500 - 9 800 MHz without placing undue constraints on the services to which the bands are allocated;

d) **WRC-07 Agenda Item 1.6:**

To consider additional allocations for the aeronautical mobile (R) service in parts of the bands between 108 MHz and 6 GHz, in accordance with Resolution **[COM7/6] (WRC-03)** and, to study current satellite frequency allocations, that will support the modernization of civil aviation telecommunication systems, taking into account Resolution **[COM7/7] (WRC-03)**;

e) **WRC-07 Agenda Item 1.17:**

To consider the results of ITU-R studies on compatibility between the fixed-satellite service and other services around 1.4 GHz in accordance with Resolution **[COM5/14] (WRC-03)**; and

f) **WRC-07 Agenda Item 4:**

In accordance with Resolution **95 (Rev. WRC-03)**, to review the Resolutions and Recommendations of previous conferences with a view to their possible revision, replacement or abrogation.

2.2 Other agenda items that can affect the availability of radio frequency (RF) spectrum for aviation are:

- WRC-07 Agenda Item 1.4: frequency related matters for IMT-2000
- WRC-07 Agenda Item 1.5: spectrum for aeronautical telemetry between 3 and 30 GHz
- WRC-07 Agenda Item 1.7: MSS in 1 668 - 1 675 MHz
- WRC-07 Agenda Item 1.13: review of allocations in HF bands (excluding Appendices 25, 26 and 27)
- WRC-07 Agenda Item 6: identify items for urgent action by ITU Radiocommunication Study Groups in preparation for WRC-10
- WRC-07 Agenda Item 7.2: develop draft agenda for future WRCs

3. **PLANNED COURSE OF ACTION FOR THE DEVELOPMENT OF THE ICAO POSITION FOR WRC-07**

3.1 The following schedule for the development of the ICAO position for the WRC-07 will be proposed to the Air Navigation Commission (ANC):

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| February 2004 | Aeronautical Communications Panel (ACP) Working Group F completes draft ICAO position for WRC-07. |
| Second quarter 2004 | ANC reviews the draft ICAO position. Draft ICAO position will be sent to States and international organizations for comments. |
| Fourth quarter 2004 | ANC undertakes final review of the draft ICAO position in the light of the comments received and transmits it to Council for review and approval. |
| First quarter 2005 | Council reviews and approves ICAO position for transmittal to States. |
| During 2004 - 2006 | ICAO and States participate in the preparatory activities for WRC-07 in the ITU and the regional telecommunication organizations. |
| Fourth quarter 2006 | ACP Working Group F develops proposals to update the ICAO position, as required, considering the progress of the preparatory activities in ITU-R and regional telecommunication organizations. |
| First quarter 2007 | ANC reviews the proposed updates. |
| Second quarter 2007 | Council reviews and approves the updates for transmittal to States. ICAO position to be submitted to WRC-07 as information paper. |
