



INTERNATIONAL CIVIL AVIATION ORGANIZATION

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

Agenda Item 8: Preparations for ITU WRC- 2011

- Agenda Item 1.2

(Presented by the Secretariat)

SUMMARY
<p>This working paper highlights the obligation of Civil Aviation Authorities under this agenda item.</p> <p>Action to be taken is at paragraph 3.</p>
<p>Reference: This working paper highlights the obligation of Civil Aviation Authorities under this agenda item.</p>

1. INTRODUCTION

1.1 The agenda title is: - Taking into account the ITU-R studies carried out in accordance with Resolution 951(Rev. WRC-07), - to take appropriate action with a view to enhancing the international regulatory framework.

2. DISCUSSION

2.1 The increasing use of radio-communications in modern society for applications from mobile communications, through item tracking to surveillance has led to an increase in demand for spectrum.

2.2 With the increase in new and innovative technologies, the efficiency with which these services are provided, demand has still outpaced the efficiencies made.

2.3 There is a view within a number of administrations that the current ITU processes for addressing additional spectrum needs are not flexible enough to meet the timescales demanded by the industry. Resolution 951 seeks to review the way in which spectrum at the global level is managed with a view to adopting best practices which, it is hoped, will enable even greater efficiencies to be achieved in the way spectrum is assigned and used.

2.4 Aviation is reliant on spectrum being available for the provision of communications, navigation and surveillance functionality. Given the safety criticality of the systems supporting this functionality they are designed to be robust, they require an environment that is free from interference. Resolution 951 potentially offers aviation an opportunity to improve the flexibility with which spectrum allocated to aeronautical services can be used as well as potentially tighten the regulatory provisions that ensure the protection of aviation systems. Increased flexibility will be needed globally to allow the rapid implementation of new technologies under the various ATM modernisation programmes planned around the world.

2.5 Conversely it also has the potential to reduce the protection afforded to aviation systems if the appropriate action is not taken to ensure that greater flexibility does not lead to greater risk of interference.

3. ACTION TO BE TAKEN

3.1 All states in the AFI Region shall urge their national and regional telecommunication administrations to do the following:

- a) support the new provisions or modifications to existing provisions brought about under this agenda item to improve the flexibility with which spectrum allocated to aeronautical services can be used by aviation or tighten regulatory provisions that enhance the protection of aviation systems; and
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- b) ensure that any measures taken under this Agenda Item do not have an adverse impact on the protection of aviation systems.

3.2 In order to do the above effectively, States will need to monitor developments under this agenda item and advise their telecommunication administrations accordingly.
