

Authors: Kim Baum  
Giselle Creeser  
Date April 27, 2010

**UNITED STATES OF AMERICA**  
**DRAFT PROPOSALS FOR THE WORK OF THE CONFERENCE**

**Agenda Item 1.2:** *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*

**Background Information:** The subject matter considered under Agenda item 1.2 was first addressed at WRC-07 as agenda item 7.1, at the request of WRC-03. The agenda item asked WRC-07 to review the international spectrum regulatory framework in accordance with Resolution 951 (WRC-03), “Options to improve the international spectrum regulatory framework.” The Director’s Report to WRC-07 included the results of the ITU-R studies in response to Resolution 951 (WRC-03). WRC-07 concluded that further study on this topic was necessary and Agenda Item 1.2 for WRC-12 was adopted.

Under this Agenda Item extensive studies were undertaken, however to date there has been no consensus regarding the regulatory options investigated. To a large extent the attempt to develop broad regulatory changes that would apply across a significant portion of the Radio Regulations has been difficult. The impact of the proposed broad changes can not readily be quantified and therefore impact on other services is difficult to determine. For example, changes to the basic definitions or type of parameters that can be notified for the fixed service could have serious ramifications for sharing with other co-frequency services. This is particularly true for the fixed-satellite service as a number of frequency bands are shared between the fixed and fixed-satellite services.

One of the Options studied is to keep the current practice, where the mechanism to enhance the Radio Regulations would be undertaken under specific agenda items adopted at the previous WRC based on proposals made by Administrations. This mechanism is well known, established and has generally resulted in satisfying requirements of Administrations.

However, in order to take advantage of the results of the studies undertaken in the ITU-R under Agenda Item 1.2, the U.S. proposes the adoption of a new Resolution. This Resolution provides guidance to ITU-R participants when undertaking studies under WRC agenda items or under their on-going studies when developing ITU-R Recommendations or Reports. This WRC Resolution encourages allocations to the broadest set of services on a going forward basis in order to accommodate convergence to the extent practicable, provide Administrations flexibility in the types of services deployed in their countries and globally harmonizing spectrum to the extent practicable. The Resolution also provides a long term framework for the establishment of future allocations.

**Proposal:**

## Principles for the allocation of frequency bands

The World Radiocommunication Conference (Geneva, 2012),

### *Considering*

- a) that ITU should maintain an international Table of Frequency Allocations covering the usable radio-frequency spectrum;
- b) that it may be desirable, in certain cases, to allocate frequency bands to the most broad set of services in order to improve flexibility of use but without detriment to other services;
- c) that the development of common worldwide allocations is desirable in many cases in order to improve and harmonize utilization of the radio-frequency spectrum;
- d) that adherence to these principles for the allocation of spectrum will allow the Table of Frequency Allocations to focus on matters of regulatory significance while enabling greater flexibility in national spectrum use,
- e) that many devices used today are capable and do provide more than one type of service and that this convergence of services operating from a single device is expected to grow;

### *considering further*

- a) [that ITU should promote the introduction of new uses for Information and Communication Technologies (ICT) in order to reduce gas emissions that impact climate change; *see editors note*]
- b) that bridging the digital divide and bringing the benefits of ICTs to all citizens is fundamental for providing opportunities, for example for education, income and an active participation in information society;
- c) that ensuring connectivity to schools, rural communities and health facilities is vital to economic development and to making effective use of ICTs and that increased deployment of affordable broadband, including via satellite, will help facilitate this,

**Editor's note:** *The considering further part need to be reviewed after WTDC-10 and PP-10 to take into account any decision taken at these conferences.*

### *resolves*

- 1 that frequency bands shall, wherever possible, be allocated to a broad set of services with a view to providing the maximum flexibility to administrations in spectrum use and to address provision of multiple services from one device, taking into account safety, technical, operational, economic and other relevant factors;

2 that frequency bands shall, wherever possible, be allocated on a worldwide basis (aligned services, categories of service and frequency band limits) taking into account safety, technical, operational, economic and other relevant factors and thus that the use of footnotes to allocate services shall be limited to the extent possible,

*invites administrations*

to take account of *resolves* 1 and 2 and *considering further a) to c)*, when making proposals to world radiocommunication conferences,

*requests the ITU-R study groups*

1 when carrying out technical studies relating to a frequency band pursuant to specific WRC agenda items, to examine the compatibility of a broad set of services with the existing utilizations and the possibility of aligning allocations on a worldwide basis, having regard to *considerings a), b), c), d) and e), considering further a), b) and c) and resolves* 1 and 2 above;

2 when carrying out the technical studies referred to in *request the ITU-R study groups 1)*, to also examine the regulatory provisions in the Radio Regulations with respect to the appropriate coordination and notification procedures when multiple services are being provided by one device;

3 to conduct these studies, where appropriate, in cooperation with the International Civil Aviation Organization (ICAO) and the International Maritime Organization (IMO);

*instructs the Secretary-General*

to communicate this Resolution to ICAO and IMO.

**Reasons:** To provide a clear mechanism for the international community to take advantage of the studies conducted under WRC-12 agenda item 1.2 in the establishment of future spectrum allocations.