

INTRODUCTION

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- RRC-04/06 is concerned with enabling “digital terrestrial broadcasting” (digital TV and DAB)
- Digital broadcasting offers many benefits:
 - spectrum efficiency →
more choice or more quality (e.g. HDTV)
 - lower transmission costs
 - mobile and portable reception
 - multimedia services and interactivity

SUCCESS IN 1961 . . .



- Few of the participants in the 1961 Stockholm Conference could have imagined that the outcome of their work would be valid more than 40 years later
- That success story is even more surprising when you consider that the Stockholm Conference was held at the height of the Cold War – and that the European Broadcasting Area includes the East and the West of Europe
- In addition to the political difficulties, many real technical problems, such as the mixture of 7 MHz and 8 MHz channels, had to be resolved

GREATER CHALLENGES



- **The challenges facing RRC-04/06 are greater than those in 1961:**
 - **the diversity of broadcasters' requirements in the digital era (for radio and TV)**
 - **the varying timetables for the transition from analogue to digital broadcasting (even in adjacent countries)**
 - **the accelerating pace of technological change (will the new Plan also last for 40 years?)**
 - **the extension of scope beyond the European Broadcasting Area**

INTROUDCTION



- **As part of the preparations for RRC-04/06, the EBU has held various workshops on “Frequency planning for digital broadcasting”**
 - **Budapest (October 2002)**
 - **Zagreb (October 2002)**
 - **Sofia (November 2003)**
 - **Bucharest (November 2003)**
- **As this workshop is after RRC-04, we have the opportunity to look at the work to be done by Administrations and Operators before RRC-06**

PURPOSE OF THIS WORKSHOP



- **To review the work of ITU Regional Conferences RRC-04/06**
- **To outline the technical systems and planning methods used for digital terrestrial broadcasting**
- **To offer some practice in applying such methods**
- **To outline some of the options for digital broadcasting in the VHF and UHF bands**
- **To explain how each country (administrations, broadcasters, network operators) must prepare for RRC-06**

INTERACTIVITY



- **The success of this workshop depends on YOUR participation**
- **This workshop is intended to be INTERACTIVE**
- **Please interrupt if:**
 - **you do not understand**
 - **you want further explanations**
 - **you disagree**
- **By asking questions, you will help us to understand your interests and concerns**
- **Please ASK QUESTIONS!**

- **Please introduce yourself by telling us:**
 - **your name**
 - **your company**
 - **your job**
 - **did you participate in RRC-04?**
 - **have you any experience in frequency planning?**