

International Telecommunication Union



Ministerie van Economische Zaken,
Landbouw en Innovatie

WRC 2012

Een impressie

Peter Anker

WORLD RADIOCOMMUNICATION CONFERENCE 2012

GENEVA, 23 JANUARY – 17 FEBRUARY 2012



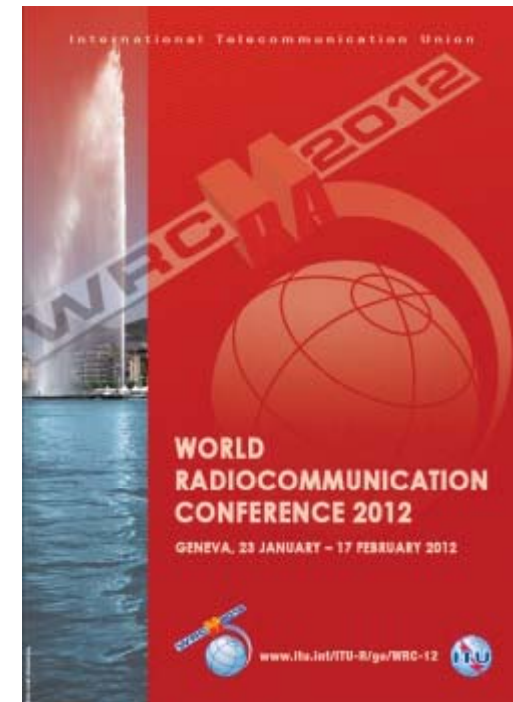
www.itu.int/ITU-R/go/WRC-12





Wereld Radio Conferentie

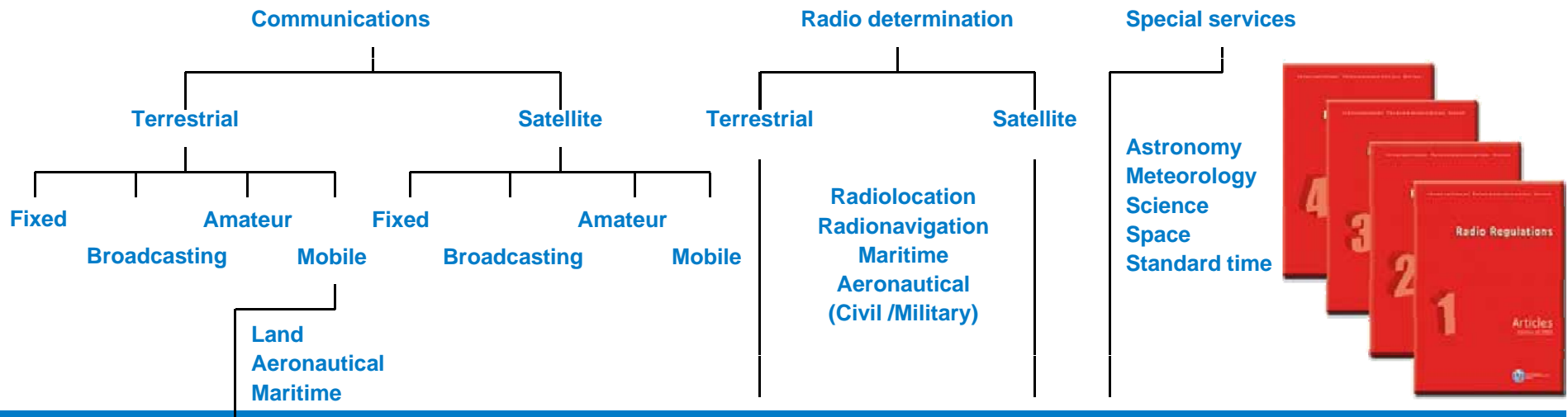
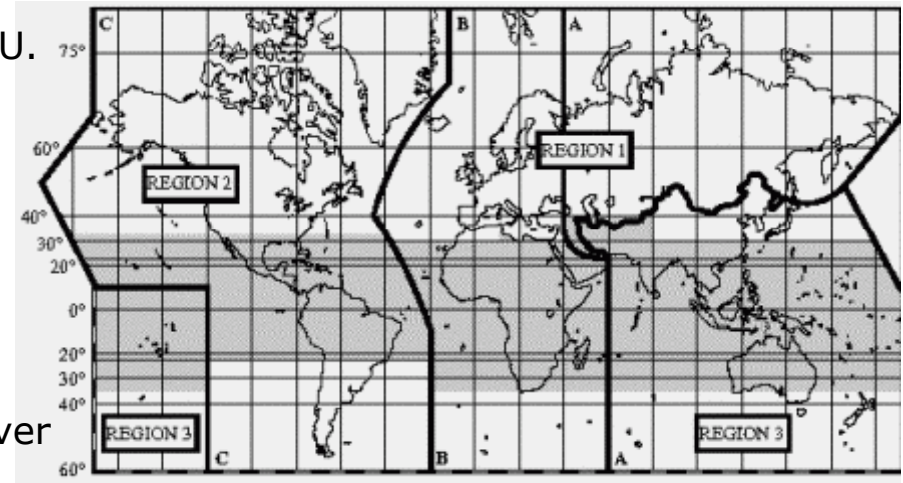
- Overleg waarin Radio Regulations worden besproken en aangepast.
 - Bestemming van frequenties
 - Voorwaarden voor gebruik
- Bespreking adhv specifieke agendapunten
- Bespreekt ook de agenda voor de volgende vergadering
- Kan oproepen tot studies om agendapunt voor te bereiden





Radio Reglement

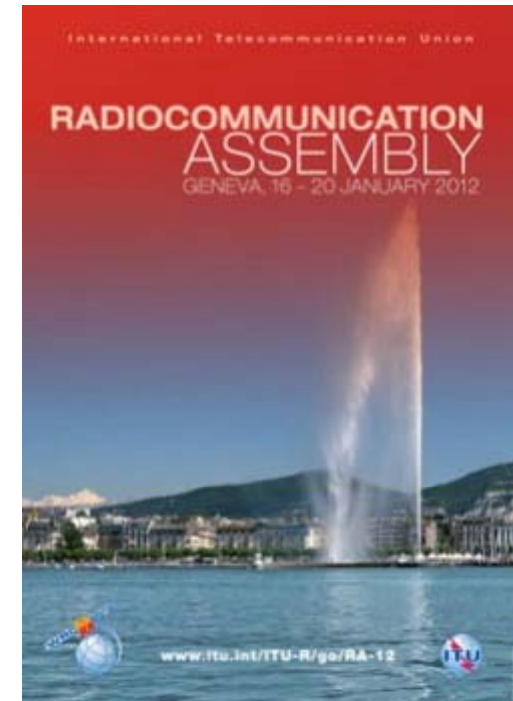
- Internationaal verdrag tussen lidstaten van de ITU.
 - Gespecialiseerd orgaan onder de VN
- Toewijzing aan generieke diensten
 - Wereld opgedeeld in 3 regio's
- Frequentieband vaak bestemd voor meer dan één dienst
 - Primaire diensten
 - Secundaire diensten
- Landen mogen hiervan alleen afwijken voor zover het buitenland niet wordt gestoord





Radiocommunication Assembly

- Wordt net voor de WRC gehouden
- Bepaalt structuur, het programma en de studies binnen de ITU Radiocommunicatiesector
- Studies kunnen alleen gaan over technische en operationele zaken
- Geen bevoegdheid om regelgeving aan te passen (voorbehouden aan de WRC)





Uitkomst Radio Assembly

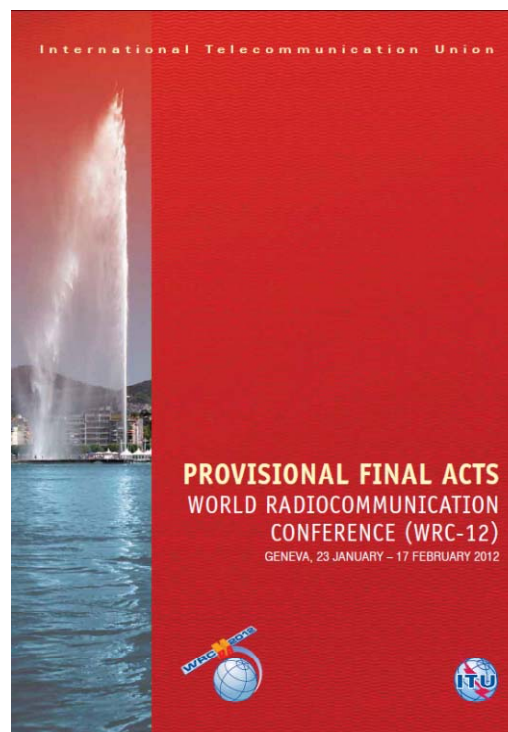
RESOLUTION ITU-R 58 Studies on the implementation and use of cognitive radio systems

resolves

- 1 to **continue studies for the implementation and use of CRS** in radiocommunication services;
- 2 to **study operational and technical requirements**, characteristics, performance and possible benefits associated with the implementation and use of CRS in relevant radiocommunication services and related frequency bands;
- 3 to give particular attention to **enhancing coexistence and sharing** among radiocommunication services;
- 4 to develop relevant ITU-R Recommendations and/or Reports based on the aforementioned studies, as appropriate,



WRC resultaten





Cognitieve Radio en Software Defined Radio

- **Software Defined Radio:** no changes to the Radio Regulations
- **Cognitive Radio:** no Changes to the Radio Regulations
 - Adoption of a WRC-12 Recommendation.



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RECOMMENDATION COM6/1 (WRC-12) Deployment and use of cognitive radio systems

recognizing

- a) that any radio system implementing CRS technology needs to operate in accordance with the provisions of the Radio Regulations;
- b) that the use of CRS does not exempt administrations from their obligations with regard to the protection of stations of other administrations operating in accordance with the Radio Regulations;
- c) that CRSs are expected to provide flexibility and improved efficiency to overall spectrum use,

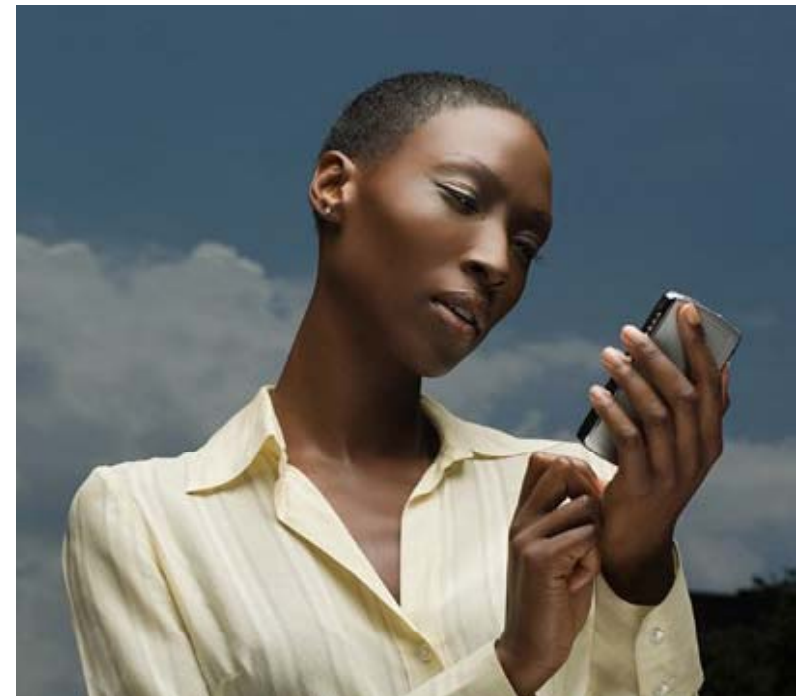
recommends

that administrations participate actively in the ITU-R studies conducted under Resolution ITU-R 58, taking into account *recognizing a) and b)*.



Verruiming gebruiksmogelijkheden 700 MHz band

- 700 MHz omroepband mag na WRC-15 in beginsel ook gebruikt worden voor mobiele breedbandtoepassingen
- ITU studies naar:
 - Spectrumbehoefte mobiel
 - Spectrumbehoefte omroep
 - Kanaalindeling
 - Gedeeld gebruik
 - Mogelijkheden voor “applications ancillary to broadcasting”
- Definitief besluit in WRC 2015.





Agenda WRC 2015

- **1.1 Spectrum voor mobiel breedband (IMT)**

1 to study additional spectrum requirements, taking into account:

- technical and operational characteristics of IMT systems, including the evolution of IMT through advances in technology and spectrally-efficient techniques, and their deployment;
- the bands currently identified for IMT, the technical conditions of their use, and the possibility of optimizing the use of these bands with a view to increasing spectrum efficiency;
- the evolving needs, including user demand for IMT and other terrestrial mobile broadband applications;
- the needs of developing countries;
- the time-frame in which spectrum would be needed;

2 to study potential candidate frequency bands, taking into account the results of the studies under *resolves to invite ITU-R 1*, protection of existing services and the need for harmonization;

- **1.2 Gebruik van de band 694 – 790 MHz voor mobiel**



Merci pour votre attention

شكرا لاهتمامكم

感谢您的关注

Thanks for your attention

Спасибо за внимание

Gracias por su atención

