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29TH WORLD RADIOCOMMUNICATION SEMINAR

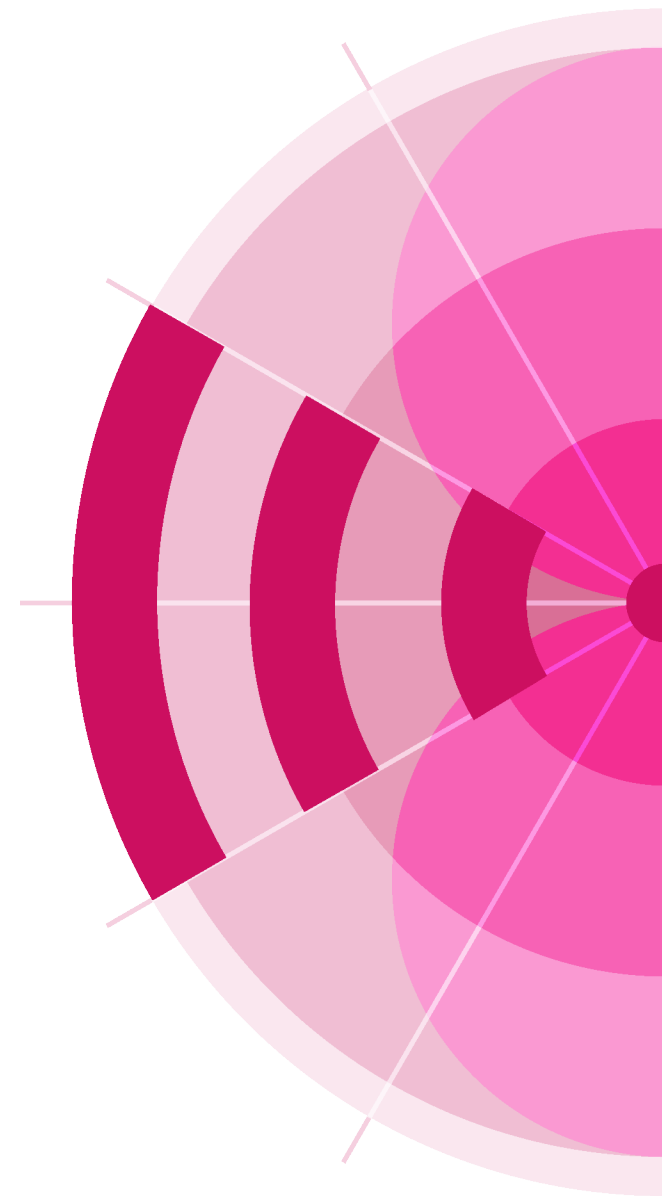
30 November – 11 December 2020

Frequency plans for broadcasting services

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www.itu.int/go/wrs-20

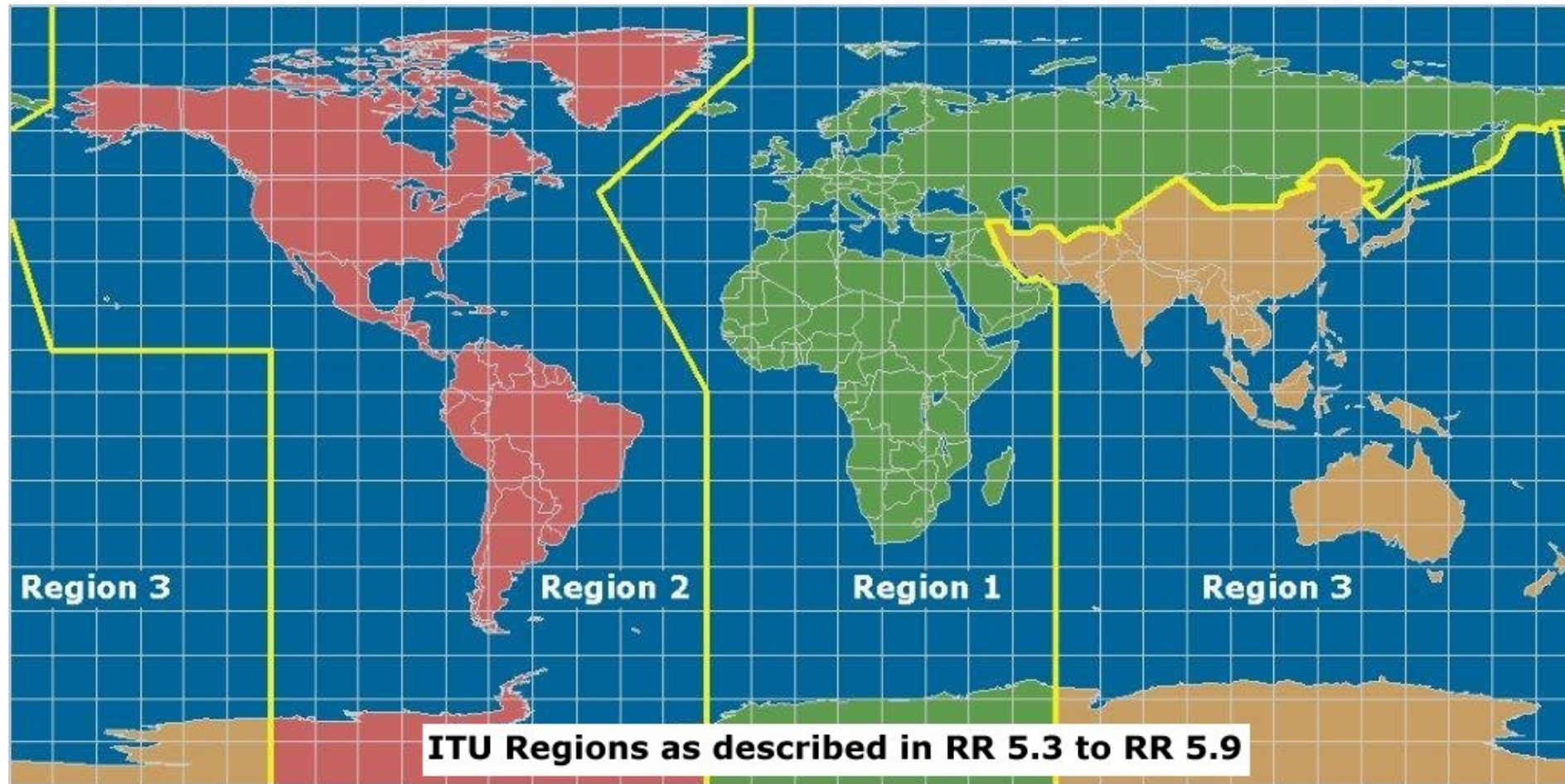
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OVERVIEW

- ITU Regions
- Regional Plans
- Regional Plans concerning TV broadcasting
- Regional Plans concerning sound broadcasting
- Article 4: Modifications to the Plans
- Useful links

ITU REGIONS

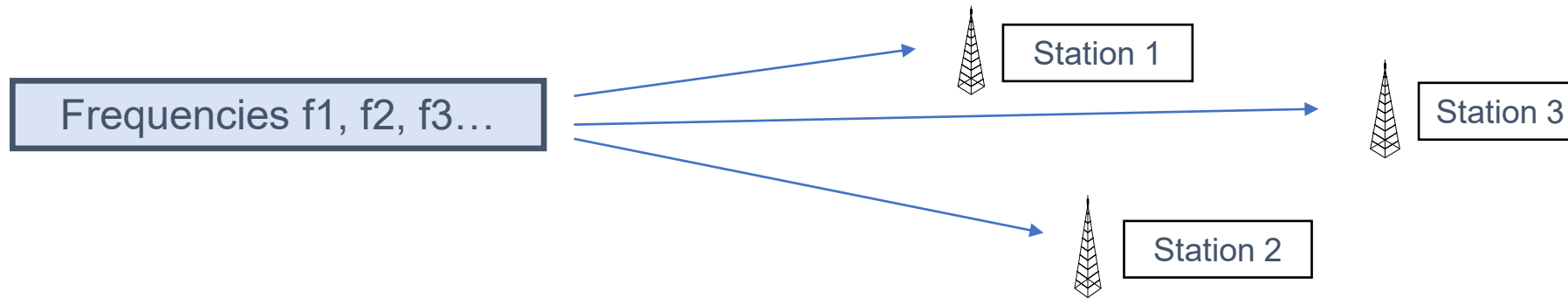


REGIONAL PLANS - Definition

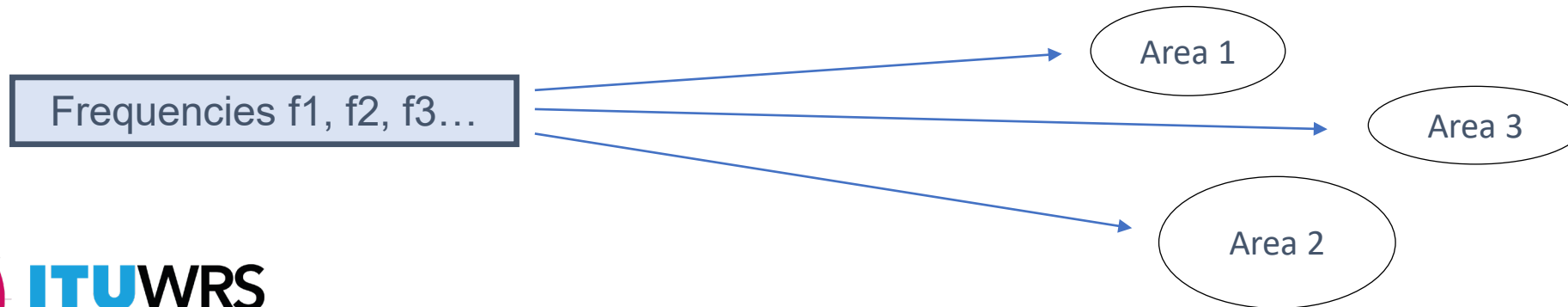
- **Regional agreements for:**
 - specific frequency bands
 - specific region/area
 - specific services
- **Adopted by Regional Conferences** (technical criteria + frequency plans)
- **Types of Plans:**
 - Assignment Plans (stations)
 - Allotment Plans (geographical areas)

TYPES OF REGIONAL PLANS

- **Assignment Plan:** frequencies are assigned to stations



- **Allotment Plan:** frequencies are assigned to geographical areas

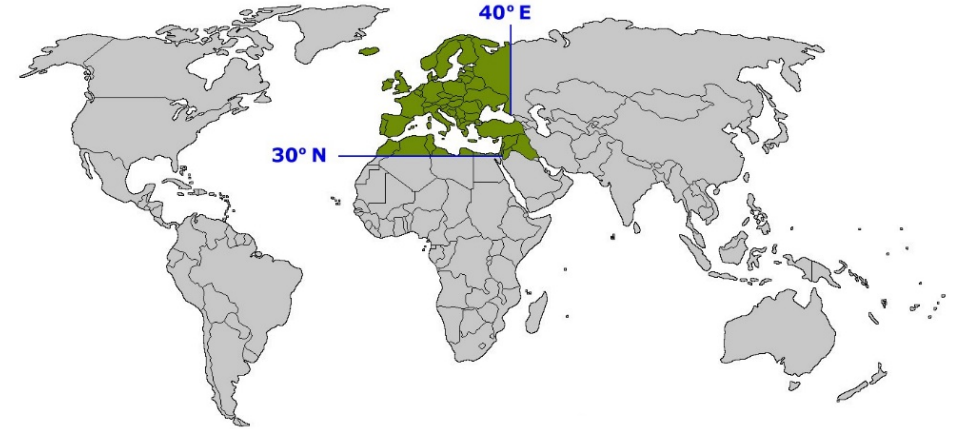


TV BROADCASTING REGIONAL PLANS

- Regional Plans (in force) that concern television broadcasting:
 - Stockholm 1961 modified in 2006 (ST61)
 - Geneva 1989 modified in 2006 (GE89)
 - Geneva 2006 (GE06)

TV REGIONAL PLANS: ST61

- **ST61:** Stockholm 1961 modified in 2006
In 2006 the bands 174-230 MHz and 470-862 MHz were transferred to GE06 Plan
- **Assignment Plan**
- **Region:** European Broadcasting Area (EBA)
- **Bands:**
 - Band I: 47-68 MHz
 - Band II: 87.5-100 MHz
 - Band III: 162-170 MHz
- **Services:**
 - Broadcasting (sound and television)



TV REGIONAL PLANS: GE89

- **GE89:** Geneva 1989 modified in 2006
In 2006 the bands 174-230 MHz and 470-862 MHz were transferred to GE06 Plan
- **Assignment Plan**
- **Region:** African Broadcasting Area(ABA)
- **Bands:**
 - Band I: 47-68 MHz
 - Band III: 230-238 and 246-254 MHz
- **Services:**
 - Broadcasting (television only)



TV REGIONAL PLANS: GE06

- **GE06 (Digital Plan):**

There were 2 plans (analogue and digital). On 17 June 2020 the analogue plan ceased to exist

- **Assignments and allotments Plan**

Plus a list of frequency assignments for other primary services

- **Region I**

(except the territories of Mongolia) and the Islamic Republic of Iran

- **Bands:**

- Band III: 174-230 MHz* - (*for Morocco 170-230 MHz)
- Band IV: 470-582 MHz
- Band V: 582-862 MHz

- **Services:**

- Broadcasting (digital sound and television)
- Other primary services



SOUND BROADCASTING REGIONAL PLANS

- **SOUND** - Regional Plans (in force) that concern sound broadcasting :
 - Stockholm 1961 modified in 2006 (ST61)
 - Geneva 1975 (GE75)
 - Rio de Janeiro 1981 (RJ81)
 - Geneva 1984 (GE84)
 - Rio de Janeiro 1988 (RJ88)
 - Geneva 2006 (GE06)

SOUND BROADCASTING REGIONAL PLANS

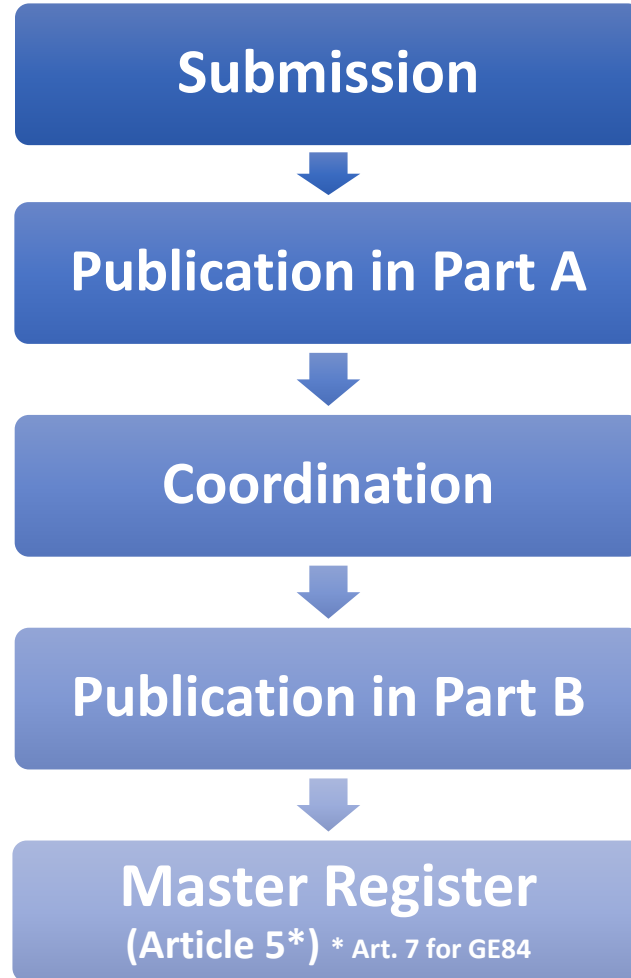
Band	Frequency band	Region	Plan
LF	148.5 – 283.5 kHz	R1	GE75
MF	526.5 – 1606.5 kHz	R1 and R3	GE75
	535 – 1605 kHz	R2	RJ81
	1605 – 1705 kHz	R2	RJ88
VHF	47 – 68 MHz	EBA	ST61
	87.5 – 108 MHz	R1+IRN+AFG	GE84
	(170 MRC) 174 – 230 MHz	R1-MNG+IRN	GE06

Plan	Assignments/Allotments
Stockholm-61	Assignments only
Geneva-75	Assignments only
Rio de Janeiro-81	Assignments only
Geneva-84	Assignments only
Rio de Janeiro-88	Allotments only
Geneva-06	Assignments and Allotments

ARTICLE 4 : MODIFICATIONS TO THE PLANS

- **Modify** the technical characteristics of an assignment/allotment already existing in the Plan.
- **Add** an assignment/allotment to the Plan.
- **Supress** an assignment/allotment from the Plan.
- **GE06:** Add to the Plan an assignment stemming from an allotment already existing in the Plan (converted assignment).

ARTICLE 4: GENERAL PROCEDURE



An Administration submits to the BR some proposed modifications to the Plan

BR identifies potentially affected administrations and publishes (modifications + affected administrations) in the BRIFIC (Part A of the corresponding Special Section).

Period to reach agreement between notifier and affected administrations.

If an agreement is reached, BR publishes the modifications to the Plan in the BRIFIC (Part B of the corresponding Special Section) and the modifications are recorded into the Plan.

When putting the station in operation, the administration should notify the BR in order to include the station in the Master Register

USEFUL LINKS

- FMTV Frequency Plans:

www.itu.int/en/ITU-R/terrestrial/broadcast/Pages/FMTV.aspx

- LFMF Frequency Plans:

www.itu.int/en/ITU-R/terrestrial/broadcast/Pages/LFMF.aspx

- Online Broadcasting Services and Software:

www.itu.int/en/ITU-R/terrestrial/broadcast/Pages/Services.aspx

Thank you!

ITU – Radiocommunication Bureau
Questions to brmail@itu.int or brbcd@itu.int