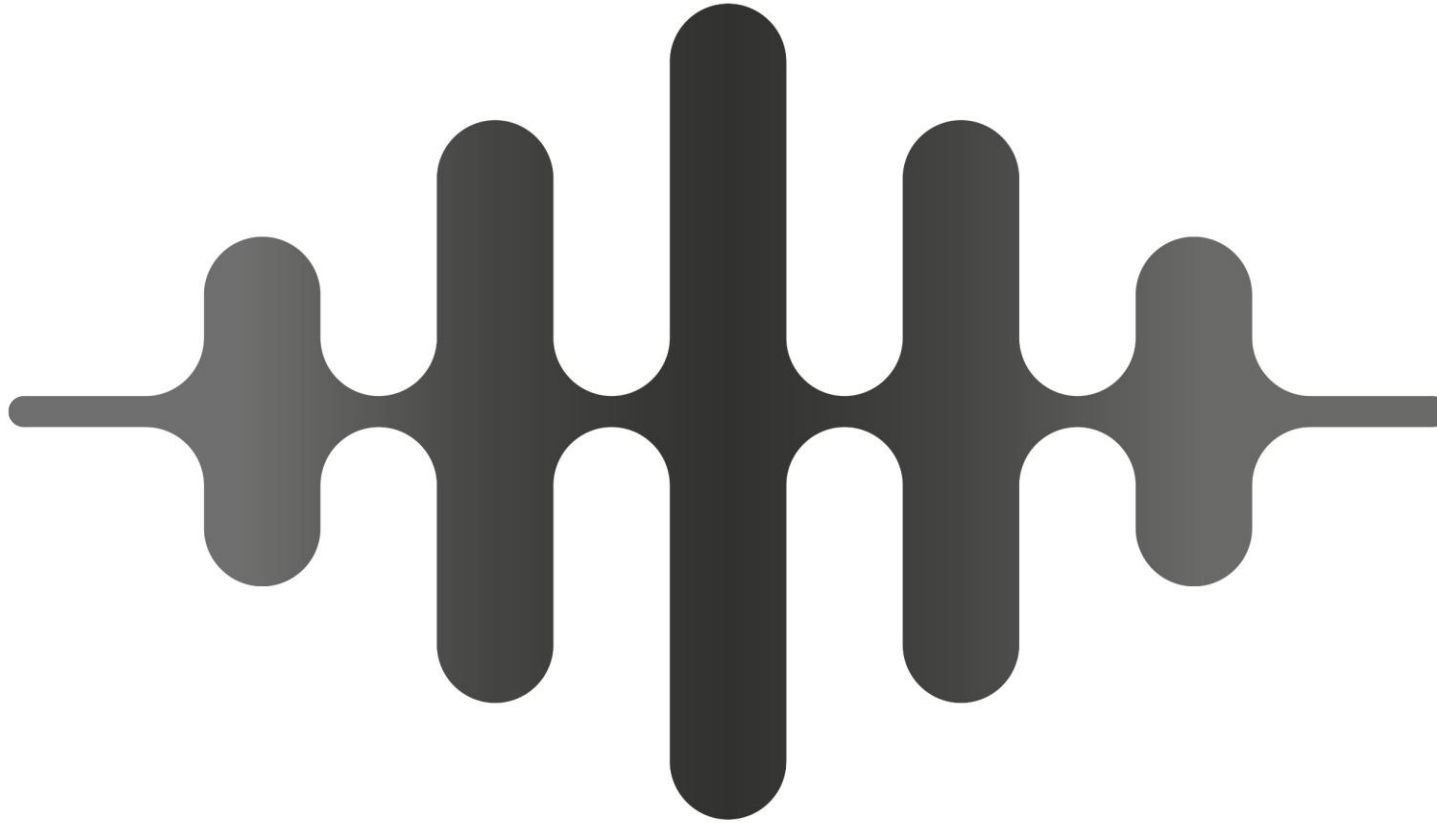
32ND ITU WORLD
RADIOCOMMUNICATION SEMINAR

ITUWRS GENEVA2026

7–11 December 2026
Geneva, Switzerland

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Frequency Plans for Terrestrial Broadcasting Services

Radio and television

Ilham Ghazi, Head of Broadcasting Division

7-11 December 2026, Geneva, Switzerland



Frequency plans at a glance

Regional plans coordinate broadcasting use across frequency bands, regions and services.

01 **Regional framework**

Conferences agree technical criteria and frequency plans.

02 **Television and sound**

Different regional plans cover different services, bands and areas.

03 **Plan changes**

Article 4 sets out how administrations propose modifications and coordinate.

04 **Technical tools and links**

Calculations, compatibility analysis and plan portals support implementation.

What a regional plan defines

Frequency bands

The specific frequency ranges covered by the agreement.

Geographic scope

The region or area where the plan applies.

Radiocommunication services

The broadcasting services covered by the plan.

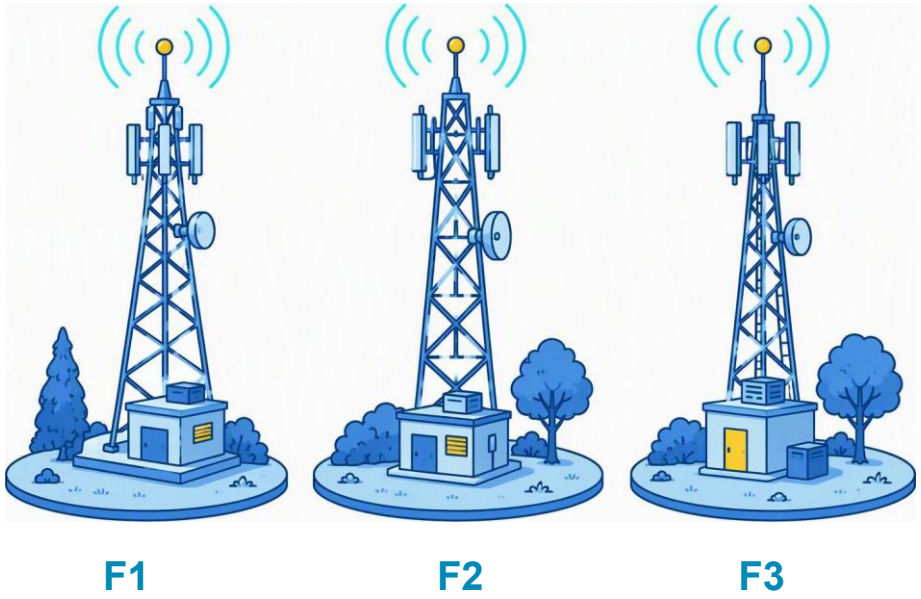
Regional Conferences adopt the technical criteria and frequency plans.

Two ways to organize frequencies

Both plan entries coordinate a frequency but attach it to different entities.

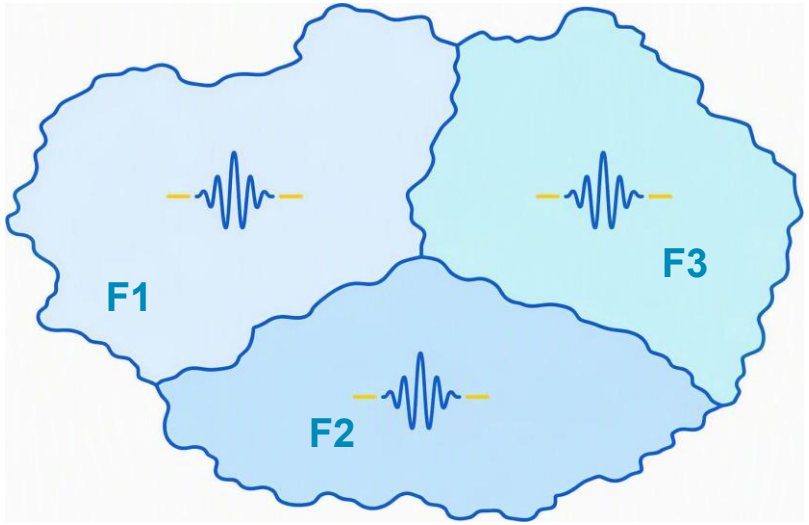
Assignment plan

Frequencies are assigned to stations



Allotment plan

Frequencies are assigned to geographic areas



Regional plans in force

Seven plans cover different frequency bands and regions.

	1961	1975	1981	1984	1988	1989	2006
Region 1	**ST61** Stockholm			**GE84*** Geneva		**GE89** Geneva	**GE06*** Geneva
Region 2			**RJ81** Rio de Janeiro		**RJ88** Rio de Janeiro		
Regions 1 & 3		**GE75** Geneva					

*: and part of Region 3

Assignments and allotments by plan

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-89	Assignments only
Geneva-06	Assignments and allotments

Regional plans in force

RJ81/RJ88

Rio de Janeiro, 1981/Rio de Janeiro 1988

Assignments/Allotments



Region 2

MF/RJ81: 535-1605 kHz
MF/RJ88: 1605-1705 kHz

Sound broadcasting

GE75

Geneva 1975

Assignment plan



Region 1 and Region 3

LF: 150-285 kHz
MF: 525-1605 kHz

Sound broadcasting

GE84

Geneva 1984

Assignment plan



Region 1 and part of Region 3

Band II FM: 87.5 - 108 MHz

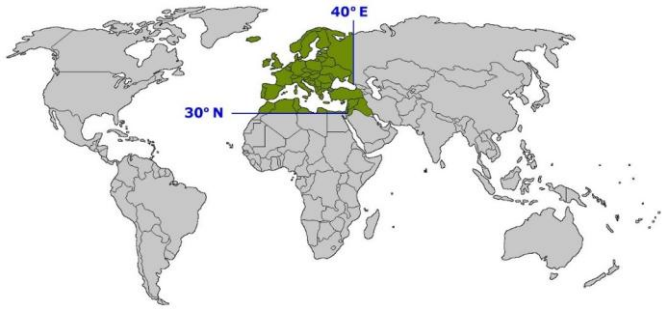
Sound broadcasting

Regional plans in force

ST61

Stockholm 1961, modified in 2006

Assignment plan



European Broadcasting Area (EBA)

Band I 47–68 MHz
Band II 87.5–100 MHz
Band III 162–170 MHz

Sound and television broadcasting

GE89

Geneva 1989, modified in 2006

Assignment plan



African Broadcasting Area (ABA)

Band I 47–68 MHz
Band III 230–238 MHz
Band III 246–254 MHz

Television broadcasting only

GE06 digital plan

Geneva 2006

Assignments and allotments



Region I, except Mongolia and the Islamic Republic of Iran.

Band III 174–230 MHz*
Band IV 470–582 MHz
Band V 582–862 MHz

Digital sound and television broadcasting, plus other primary services.

*170–230 MHz for Morocco

ST61 and GE89: In 2006, 174–230 MHz and 470–862 MHz moved to the GE06 Plan.

GE06 also includes frequency assignments for other primary services. The analogue plan ceased to exist on 17 June 2020.

HFBC Regulation

Seasonal planning

Article 12 of the Radio Regulations

HF bands allocated to the broadcasting service



Regions 1, 2 and 3

5 900–26 100 kHz

Low frequency [kHz]	High frequency [kHz]	Band	Note
5900	6200	6	
7200	7450	7	• 7200-7300: (Regions 1 and 3 only) • 7400-7450: (Regions 1 and 3 only)
9400	9900	9	
11600	12100	11	
13570	13870	13	
15100	15800	15	
17480	17900	17	
18900	19020	18	
21450	21850	21	
25670	26100	25	

Changes to a Plan

Four types of Plan modification:

01

Change

Modify the technical characteristics of an existing assignment or allotment.

02

Add

Add an assignment or allotment to the Plan.

03

Remove

Suppress an assignment or allotment from the Plan.

04

Convert in GE06

Add an assignment derived from an allotment already in the Plan.

General procedure

01 **Submission**

An administration sends proposed plan modifications to the Radiocommunication Bureau (BR).

02 **Publication in Part A**

The BR publishes the proposed changes and the potentially affected administrations in the relevant BR IFIC Part A.

03 **Coordination**

The notifier seeks agreement with affected administrations.

04 **Publication in Part B**

If agreement is reached, the BR publishes the modification in Part B and records it in the plan.

05 **Master Register**

When the station enters operation, the administration notifies the BR for inclusion in the Master Register.

*: Article 7 for GE84; otherwise, the Master Register step refers to Article 5 of other Regional Agreements.

Related Digital tools



eMIFR



eValidation



WISFAT



eBroadcasting



eFXM



ePropagation

Field Strength Calculations on-demand:
ITU-R P.1812-6; ITU-R P.1546-6, ITU-R P.452



eEFFHGT

Calculation of effective antenna heights, using the SRTM1 and GDEM v3 terrain databases

Digital tools and services-eBroadcast



eQuery



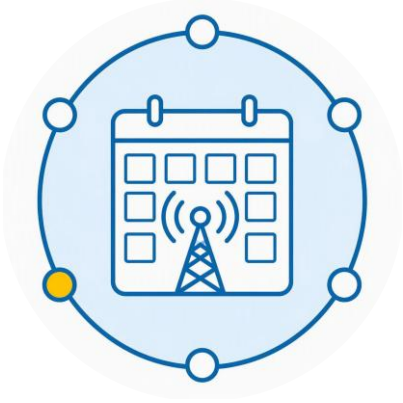
ePub



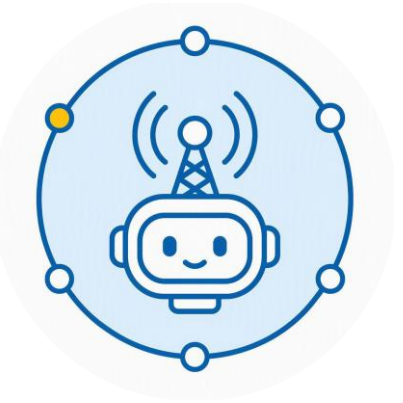
eTools



MyAdmin



eHFBC



eBroadcast AI

Plan portals and contacts

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
https://www.itu.int/ITU-R/eTerrestrial/eBroadcasting

ebroadcastAI: Chatbot
https://www.itu.int/ITU-R/eTerrestrial/eBroadcasting/EBroadcastAI

Thank you

Questions

brmail@itu.int or brbcd@itu.int

