



30TH WORLD RADIOCOMMUNICATION SEMINAR

24 – 28 October 2022
Geneva, Switzerland

Terrestrial Workshop: Notification under GE06 Agreement of converted and linked assignments

Ms. Sujiva Pinnagoda
sujiva.pinnagoda@itu.int

BR Terrestrial Services Department
International Telecommunication Union

www.itu.int/go/wrs-22

#ITUWRS



GE06 Regional Agreement

- For VHF/UHF analogue and digital broadcasting in parts of Region 1 (situated to the west of meridian 170° E and to north parallel 40° S, except the territory of Mongolia) and in the Islamic Republic of Iran;
- Frequency bands: Band III: 174 - 230 MHz; Band IV: 470 - 582 MHz; Band V: 582 - 862 MHz;
- The exact plan modification flow charts can be found at:

<https://www.itu.int/en/ITU-R/terrestrial/broadcast/plans/Documents/GE06-article4-final.pdf>

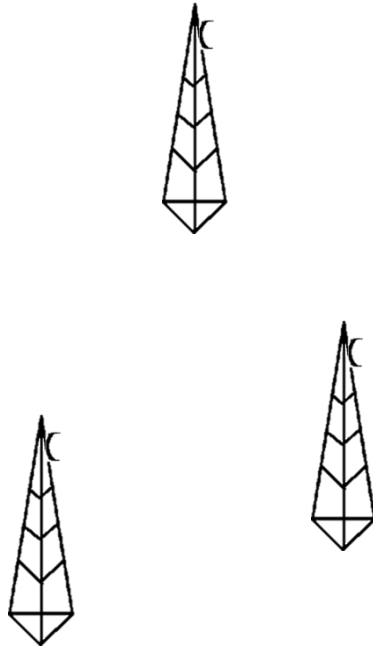
- Plan modification procedures require that administration after having received all agreements and once the deadline for comments is over must send a request for publication in Part B, to enter the Plan.

GE06 Agreement : Identifying elements

AP4	Data item	Description of a data item
ID1	t_adm_ref_id	Unique Identification Code given by the administration
1A	t_freq_assgn	Assigned frequency
4C	t_long t_lat	Geographical Coordinates

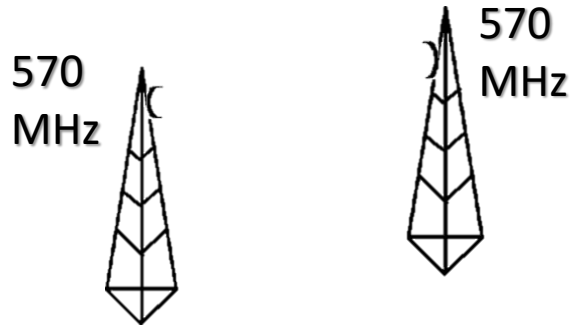
- These items cannot be repeated, and they are mandatory;
- Within the GE06 Regional agreement, the unique identification code given by the administration (t_adm_ref_id) cannot be changed;
- BR Assign ID and Site name are NOT identifying elements, but they could be notified in the remarks field, for additional information, in case of suppression and withdrawal.

Network topologies: Standalone 1S



- These are single standalone assignments;
- Has no links within them.

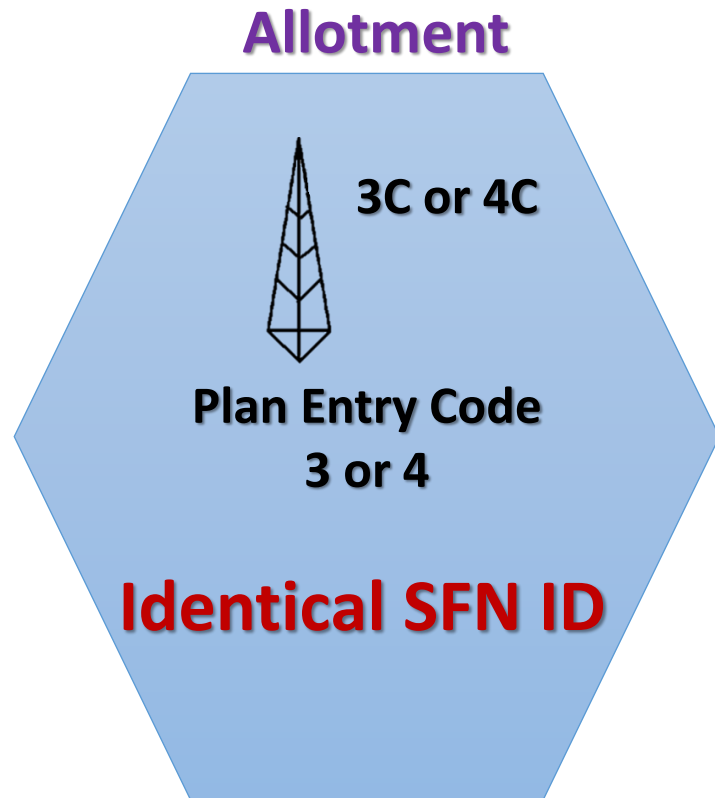
Network topologies: Linked assignments : 2L



Identical SFN ID

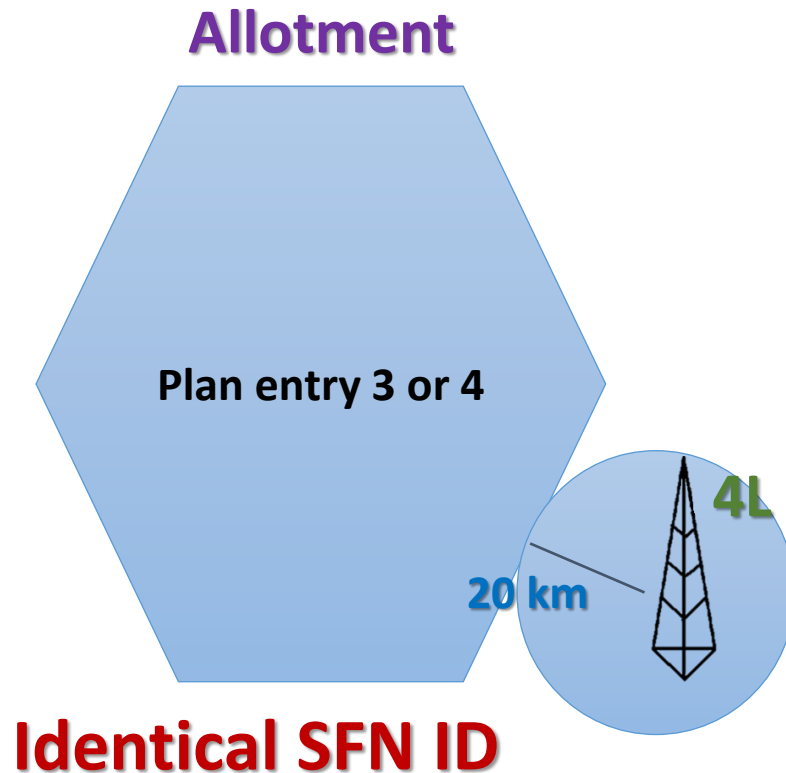
- These assignments are all on the same frequency and they should have the same Identification Symbol of the Single Frequency Network (SFN ID), which links them;
- Minimum of 2 linked assignments is always required.

Network topologies: Converted assignments : 3C or 4C



- It is an assignment stemming from an allotment;
- To notify there must already a recorded allotment with Plan Entry Code 3 or 4 in the Plan;
- The SFN ID of the allotment and the assignment shall be the same;
- In case of notifying a 4 C assignment then there shall be at least one 4L assignment already recorded in the Plan.

Network topologies: Assignments linked to an allotment : 4L



- The assignment shall be located at a maximum distance of 20 km;
- To notify a 4L assignment:
 - A recorded allotment with either Plan Entry Code 3 or 4 must be in the Plan
 - OR
 - An allotment with Plan Entry Code 4 shall be notified at the same time as the assignment.
- The SFN ID of the allotment and the assignment shall be same.

EX01 - GE06 Plan modification : 2L Linked assignment

Prepare an electronic notice file of frequency **570 MHz** assigned to two TV broadcasting stations, for the modification of the **GE06D Plan**. To prepare this notice we will use the “**WIZARD**” functionality of TerRaNotices, and the notifying administration is **SPAIN (E)**.

Item	Parameter	Required value
ID1	Unique Id. Code given by the administration to the assignment	ANDGR40072-EX
	Publication request	TRUE/Procedure 4.1.2.5
4A	Transmitting antenna site name	SIERRA LUJAR
4C	Coordinates of the transmitting antenna site	3°24'03"W - 36°49'32"N
9D	Polarization	Horizontal
8BV	Effective radiated power	33 dBW
7J	Type of Spectrum Mask, Preface to the BRIFIC, Chapter IV, Section 9, Table 9.10	Non-critical
7H	Reference planning configuration, Preface to the BRIFIC, Chapter IV, Section 9, Table 9.5	RPC1
9	Antenna Directivity	Directional
DEC	Plan Entry - Preface to the BRIFIC, Chapter IV, Section 9, Table 9.8	2
DAC	Assignment code - Preface to the BRIFIC, Chapter IV, Section 9, Table 9.9	Linked
SYNC	Identification Symbol of the Single-Frequency network	GR33
9E	Height of antenna above ground level	51 m
9EA	Altitude of site above sea level	TerRaNotices/Tool
9EB	Maximum effective antenna height	TerRaNotices/Tool
9EC	Effective antenna height (m) at 36 different azimuths in 10 degrees interval	TerRaNotices/Tool
9NH	Attenuation	[0° to 130°] 0 dB; [140° to 260°] 7 dB; [270° to 350°] 0 dB

EX 01 - GE06 Plan modification : 2L Linked assignment (cont.)

Item	Parameter	Required value
ID1	Unique Id. Code given by the administration to the assignment	ANDGR07394 -EX
	Publication request	TRUE/Procedure 4.1.2.5
4A	Transmitting antenna site name	MOTRIL-VAZQUEZ
4C	Coordinates of the transmitting antenna site	3°27'48"W - 36°42'29"N
9D	Polarization	Horizontal
8BV	Effective radiated power	25 dBW
7J	Type of Spectrum Mask	Non-critical
7H	Reference planning configuration	RPC2
9	Antenna Directivity	Directional
DEC	Plan Entry - Preface to the BRIFIC, Chapter IV, Section 9, Table 9.8	2
DAC	Assignment code - Preface to the BRIFIC, Chapter IV, Section 9, Table 9.9	Linked
SYNC	SFN Identifier	GR33
9E	Height of antenna above ground level	30 m
9EA	Altitude of site above sea level	TerRaNotices/Tool
9EB	Maximum effective antenna height	TerRaNotices/Tool
9EC	Effective antenna height (m) at 36 different azimuths in 10 degrees interval	TerRaNotices/Tool
9NH	Attenuation	[0° to 130°] 0 dB; [140° to 170°] 7 dB; [180° to 350°] 0 dB

EX 02 - GE06 Plan modification : 3C Converted assignment

Prepare an electronic notice of frequency **650 MHz** assigned to a digital television broadcasting station stemming from an allotment, for the modification of the **GE06D Plan**.

To prepare this notice we will use the “**New File**” functionality of TerRaNotices and the notifying administration is **TANZANIA (TZA)**.

Item	Parameter	Required value
ID1	Unique Id. Code given by the administration to the assignment	BR2_TZ20043KBY1-EX
	Publication request	TRUE/Procedure 4.1.2.5
4A	Transmitting antenna site name	KIBAYA
4C	Coordinates of the transmitting antenna site	37°02'03"E - 4°45'08"S
9D	Polarization	Vertical
8BH	Effective radiated power	36 dBW
7J	Type of Spectrum Mask	Non-critical
7K	Receive mode - Preface to the BRIFIC, Chapter IV, Section 9, Table 9.3	FX
7C1	TV system - Preface to the BRIFIC, Chapter IV, Section 9, Table 9.2	C3
9	Antenna Directivity	Non-Directional
DEC	Plan Entry	3
DAC	Assignment code	Converted
SYNC	Identification Symbol of the Single-Frequency network	TZ20043KBY_U5
ID2	Unique Identification code of the associated allotment	TZ20043KBY_U5
	Identification Symbol of the Single-Frequency network of the associated allotment	TZ20043KBY_U5
9E	Height of the Antenna above ground level	60 m
9EB	Maximum effective antenna height	TerRaNotices/Tool
9EA	Altitude of site above sea level	TerRaNotices/Tool
9EC	Effective antenna height (m) at 36 different azimuths in 10 degrees interval	TerRaNotices/Tool

EX 03 - Master Register (MIFR) : 4L Linked assignment

Prepare an electronic notice file of frequency 227.36 MHz assigned to a digital sound broadcasting assignment linked to an allotment, for recording in the **Master Register (MIFR)**. To prepare this notice we will use “**New File**” functionality of TerRaNotices and the notifying administration is **DENMARK (DNK)**.

Item	Parameter	Required value
ID1	Unique Identification code given by the Adm	KOEGE-EX
ID3	Unique Identification code of the corresponding assignment in the Plan Entry	DNK-NAT-12C-3
E	Resubmission	FALSE
4A	Transmitting antenna site name	KOEGE
4C	Coordinates of the transmitting antenna site	12°11'29"E - 55°28'29"N
9D	Polarization	Vertical
8B	Effective radiated power	20 dBW
7J	Type of Spectrum Mask	1
7H	Reference Planning configuration	RPC5
9	Antenna Directivity	Non-Directional
DEC	Plan Entry	4
DAC	Assignment code	Linked
SYNC	Identification Symbol of the Single-Frequency network	DNK-NAT-12C-3
ID2	Unique Identification code of the associated allotment	DNK-NAT-12C-3
	Identification Symbol of the Single-Frequency network of the associated allotment	DNK-NAT-12C-3
9E	Height of the Antenna above ground level	31 m
9EB	Maximum effective antenna height	TerRaNotices/Tool
9EA	Altitude of site above sea level	TerRaNotices/Tool
9EC	Effective antenna height (m) at 36 different azimuths in 10 degrees interval	TerRaNotices/Tool
11C	Signed commitment	FALSE
11D	Remark condition Met	FALSE
2C	Date of bringing the frequency assignment into use	30 October 2022
12B	Address code	Preface to the BR IFIC
10B	Operating Hours	24 Hours
	Coordinated Administration code	D, HOL, POL

EX 04 - Request for publication in Part B in the GE06D Special Section

Prepare an electronic notice file for requesting the publication in Part B of the **GE06D** Special Section, having the unique identification code of the assignment **02/5_TELSI-24/TELSI** for the Administration of **LITHUANIA (LTU)**.

To prepare this notice we will use the “**Generate TB notices**” functionality of TerRaNotices



EX 05 - Request to suppress a frequency assignment

Prepare an electronic notice to suppress a frequency assignment which is recorded in the **GE06D Plan** having the unique identification code **OMADVBA574** for the Administration of **OMAN (OMA)**.

To prepare this notice use the “**Generate Suppression/Withdrawal notices**” functionality of TerRaNotices

Note: In case of a suppression/withdrawal of a 2L assignment, make sure that there are at least 2 x 2L remaining in the database after the suppression or in process after the withdrawal.

EX 06 - Request to register an assignment in the Master Register with all technical characteristics as recorded in the GE06 Plan

Prepare an electronic notice file to request a frequency assignment to be recorded in the **Master Register** with the same technical characteristics as it is recorded in the **GE06D Plan** having the unique identification code **ALA-NAMPA/51** for the Administration of **FINLAND (FIN)**.

To prepare this notice we will use the “**Generate TB notices**” functionality of TerRaNotices

Note: In case of a GT1 assignment, and if the corresponding plan assignment is recorded with Reference Planning Configuration instead of TV_system and Receiving mode, then a TB2 notice cannot be sent. A full GT1 notice must be used.

EX 07 - Modification of an assignment which is recorded in the Master Register

Prepare an electronic notice to modify the station name of a Broadcasting frequency assignment which is already recorded in the **Master Register** having the unique identification code **IRND_NTFD860322B** for the Administration of **IRAN (IRN)**.

To prepare this notice use the “**Open a notice from the database**” functionality of TerRaNotices

EX 08 - GE06 Plan modification : 1 S Standalone assignment

Prepare an electronic notice file of frequency **202.928 MHz** assigned to a standalone digital sound broadcasting station, for the modification of the **GE06D Plan**.

To prepare this notice we will use the “New File” functionality of TerRaNotices and the notifying administration is **MALI (MLI)**.

Item	Parameter	Required value
ID1	Unique Identification code given by the Adm.	MLI-X-0105-EX
	Publication request	TRUE/Procedure 4.1.2.5
4A	Transmitting antenna site name	YOUWAROU-EX
4C	Coordinates of the transmitting antenna site	4°15'36"W - 15°22'45"N
9D	Polarization	Vertical
8BH	Effective radiated power	27.0 dBW
7J	Spectrum Mask	1
7H	Reference planning configuration	RPC4
9	Antenna Directivity	Non-Directional
DEC	Plan Entry	1
DAC	Assignment code	Standalone
9E	Height of the Antenna above ground level	75 m
9EB	Maximum effective antenna height	TerRaNotices/Tool
9EA	Altitude of site above sea level	TerRaNotices/Tool
9EC	Effective antenna height (m) at 36 different azimuths in 10 degrees interval	TerRaNotices/Tool

EX 09 - GE06 Plan modification : 4L Linked assignment

Prepare an electronic notice file of frequency **642** MHz assigned to a digital TV broadcasting assignment linked to an allotment, for the modification of the **GE06D Plan**.

To prepare this notice we will use the “**WIZARD**” functionality of TerRaNotices and select the administration the Administration of **France (F)** as the notifying administration.

Item	Parameter	Required value
ID1	Unique Identification code	F__64001-42-EX
	Publication request	TRUE/Procedure 4.1.2.5
4A	Transmitting antenna site name	BAYONNE-EX
4C	Coordinates of the transmitting antenna site	1°38'04"W - 43°18'37"N
9D	Polarization	Horizontal
8BH	Effective radiated power	44.0 dBW
7J	Spectrum Mask	Non-critical
7H	Reference planning configuration	RPC1
9	Antenna Directivity	Non-Directional
DEC	Plan Entry	4
DAC	Assignment code	Linked
SYNC	Identification Symbol of the Single-Frequency network.	F__00517
ID2	Unique Identification Code given by the administration to the associated allotment	F__00517
	Identification Symbol of the Single-Frequency network of the associated allotment	F__00517
9E	Height of the Antenna above ground level	60 m
9EB	Maximum effective antenna height	TerRaNotices/Tool
9EA	Altitude of site above sea level	TerRaNotices/Tool
9EC	Effective antenna height (m) at 36 different azimuths in 10 degrees interval	TerRaNotices/Tool



30TH WORLD RADIOCOMMUNICATION SEMINAR

24 – 28 October 2022
Geneva, Switzerland

Thank you for your attention!

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

www.itu.int/go/wrs-22

#ITUWRS

