

ITUEvents

4th ITU Regional Frequency Coordination Meeting for Central America and the Caribbean Region

On the use of the VHF and UHF bands

11-14 September 2018 Belize City, Belize

www.itu.int/go/belize











Introduction of the coordination in the requirements file

Michèle COAT DEGERT

Broadcasting Services Division
International Telecommunication Union



Consideration of the coordination information in the requirements – New feature

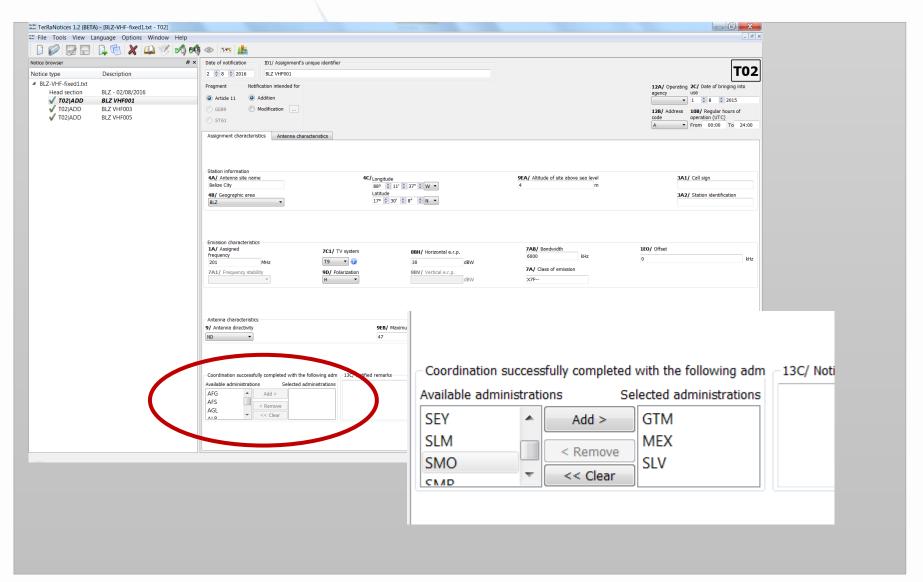
- Administrations participating in the ITU Regional Frequency Coordination for Central America and Caribbean are encouraged to submit, for the ITERATIONS, the relevant electronic notices containing the agreements obtained from affected administrations
- Information to be captured within the respective
 <COORD> sections using TerRaNotices

BR IFIC (Terrestrial Services)





TerRaNotices: COORDINATION section





Some Definitions

Available (Av) Channel

Refers to the channel(s) compatible with affected analogue broadcasting assignments and assignments to other primary services, hence available for assigning to a digital requirement.

Assignable Channel

Refers to the channel(s) among the list of *available channels* compatible with assignments and requirements to digital, analogue broadcasting and other primary services.

STEP 1: Results of compatibility examination

- downloaded from eTools, CA_compat
- > Results of the iterations available at

https://www.itu.int/en/ITU-R/terrestrial/broadcast/Americas/Pages/default.aspx

Access database (mdb)

contains:

All the incompatibilities where

- Margin > 1.25 dB (Digital)
- Margin > 0.5 dB (Analog)
- Margin > 1 dB (Fixed and Mobile)



STEP 2: Selection in CADisplay

Channel Distribution Statistics	
Administration - ▼ Refresh	
Show assignable channels if the maximum acceptable margin (dB) is	J
	ooth have a range of available frequencies uirement
Margin may be raised (user choice	
If Margin higher than selected ma	
ii waigiii iiigiici tiiaii selettea iiid	argin (above).
Incompatibilities within an Admini	stration cape ignored
Interference received can be ignor	-pd
interretelle received can be ignor	Cu



STEP 3: COORDINATION

All the DTT Requirements with a <u>margin higher than the limiting</u> <u>margins</u> **affecting** :

MIFR assignments (digital, analog or other primary services) or

DTT requirements

of the neighboring countries

should be coordinated (otherwise the channel will not be assigned)

Coordination of DTT Reqts vs. RECORDED frequency assignments

Assignment(s) affected by my requirement:

- Coordination is necessary and the Adm of the affected assignment has to provide its agreement.
- Adm code must be provided in the COORDINATION section of my requirement).

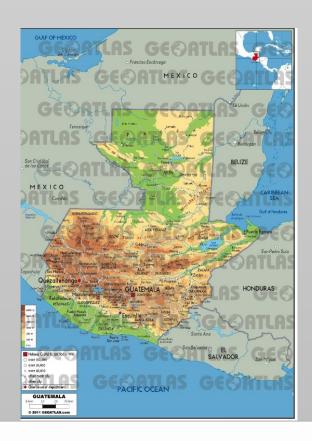
Assignment(s) affecting my requirement:

- ➤ Detailed analysis is required.
- It is the my responsibility to assign this channel to my requirement



STEP 3: Coordination — Detailed analysis: Terrain

The CA compat analysis does not consider the terrain. During the coordination process, 2 Administrations may reach agreement based on more detailed calculations taking the terrain into account.







STEP 3: Coordination (cont'd)

Consideration of requirements/assignments <u>affected by</u> requirement(s) (of adm A) with margin higher than the maximum acceptable margin

Case	Administration A	Administration B	Coordination of	Channel for R1
	Requirement R1	Requirement R2	R1 with B	
2	R1 interferes R2	R2 does not	Obtained	Assigned
		interiere K1		
3	R1 interferes R2	R2 interferes R1	Obtained	Assigned

For Adm A, Coordination is necessary with Adm B for R1

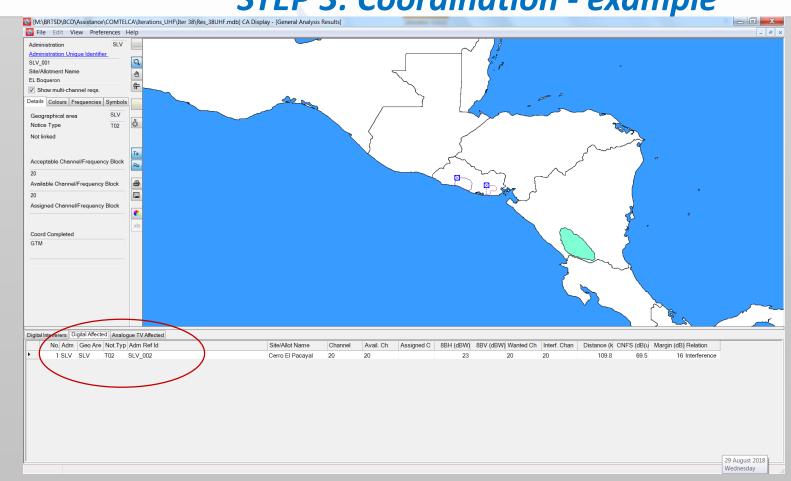


STEP 3: Coordination - example

		_	erences Help							
Channel E	Distribut	ion VHF	Channel Distribution							
No.	Adm	Geo Are	Adm Ref Id	Not.Ty	Site/Allot Name	Ch/block	Avail. Ch/block	Assignable Ch/block		Coord Compl
1.5	SLV	SLV	SLV_081	T02	Isla Meanguera del	14	14	14		
2.5	SLV	SLV	SLV_063	T02	San Salvador hotel	14	14	14		
3 5	SLV	SLV	SLV_031	T02	Cerro El Pacayal	15	15			
4.5	SLV	SLV	SLV_032	T02	El Boqueron	15	15	15		
5.5	SLV	SLV	SLV_110	T02	Isla Meanguera del	16	16	16		
6.5	SLV	SLV	SLV_064	T02	San Salvador hotel	16	16	16		
7 5	SLV	SLV	SLV_035	T02	Cerro El Cachio	17	17	17		
8.5	SLV	SLV	SLV_033	T02	Cerro El Pacayal	17	17			
9 9	SLV	SLV	SLV_036	T02	Cerro El Pital	17	17	17		
10.5	SLV	SLV	SLV_034	T02	El Boqueron	17	17	17		
11.5	SLV	SLV	SLV_066	T02	Cerro Santa Lucia	18	18	18		
12.5	SLV	SLV	SLV_065	T02	El Picacho	18	18	18		
13 5	SLV	SLV	SLV_037	T02	El Boqueron	19	19	19		
14 5	SLV	SLV	SLV_002	T02	Cerro El Pacayal	20	20		/	,
15 8	SLV	SLV	SLV_001	T02	EL Boqueron	20	20	20	/	GTM
16 9	SLV	SLV	SLV_005	T02	Laguna Verde	20	20	20	/	
17 5	SLV	SLV	SLV_038	T02	El Boqueron	21	21	21		
18 9	SLV	SLV	SLV_067	T02	San Salvador hotel	22	22	22		GTM
19 9	SLV	SLV	SLV_041	T02	Cerro Cacahuatique	23	23			
20 5	SLV	SLV	SLV_039	T02	Cerro El Cachio	23	23			
21 5	SLV	SLV	SLV_042	T02	Cerro El Pacayal	23	23			
22 5	SLV	SLV	SLV_040	T02	El Picacho	23	23	23		
23 5	SLV	SLV	SLV_007	T02	Cerro El Pacayal	24				
24 5	SLV	SLV	SLV_006	T02	El Boqueron	24	24	24		
25 5	SLV	SLV	SLV_010	T02	Laguna Verde	24	24	24		
26 5	SLV	SLV	SLV_046	T02	Cerro El Cachio	25	25	25		
27 5	SLV	SLV	SLV_044	T02	Cerro El Faro	25	25	25		GTM
28 5	SLV	SLV	SLV_043	T02	Cerro El Pacayal	25	25			
29 5	SLV	SLV	SLV_045	T02	El Picacho	25	25	25		
30 5	SLV	SLV	SLV_012	T02	Cerro El Pacayal	26	26			
31 5	SLV	SLV	SLV_011	T02	El Boqueron	26	26	26		
32 5	SLV	SLV	SLV_015	T02	Laguna Verde	26	26	26	\	
33 5	SLV	SLV	SLV_048	T02	Cerro El Cachio	27	27	27	\	
34 5	SLV	SLV	SLV_049	T02	Cerro El Faro	27	27	27		GTM /
35 9	SLV	SLV	SLV_047	T02	El Picacho	27	27	27		
		SLV	SLV_017	T02	Cerro El Cachio	28	28	28	`	
37 5	SLV	SLV	SLV 018	T02	Cerro El Pacayal	28	28	28		

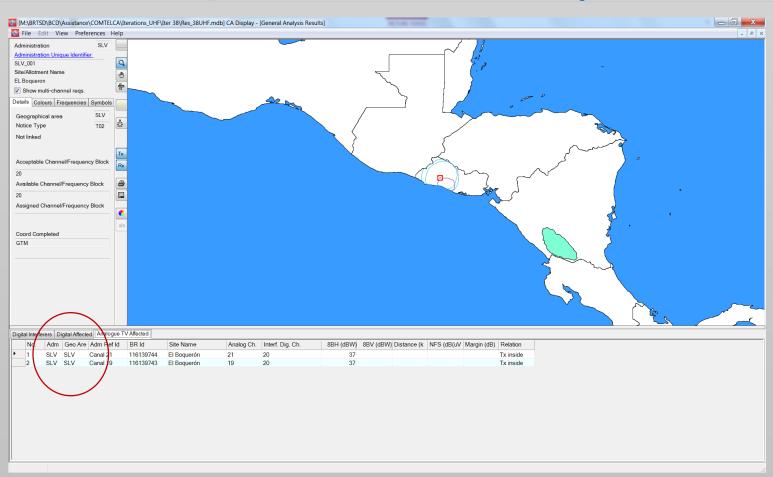


STEP 3: Coordination - example





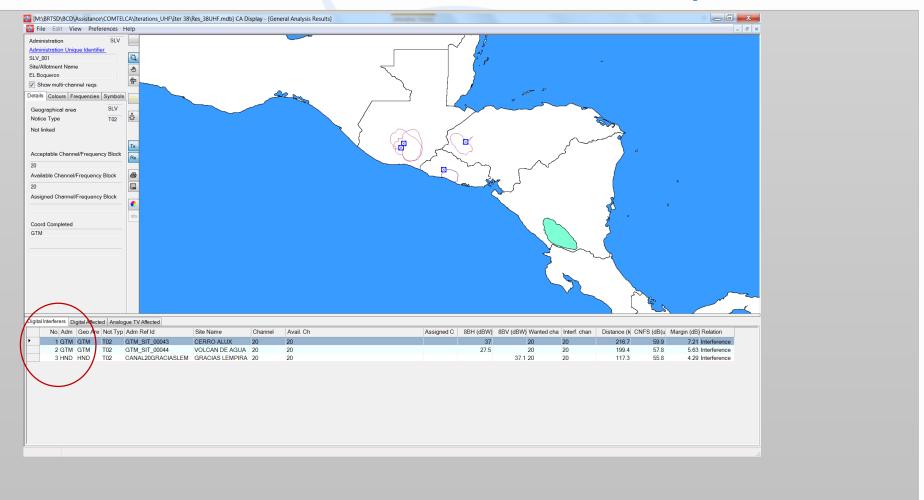
STEP 3: Coordination - example



Channel assignable & SLV does not need to submit coordination with GTM for SLV_001

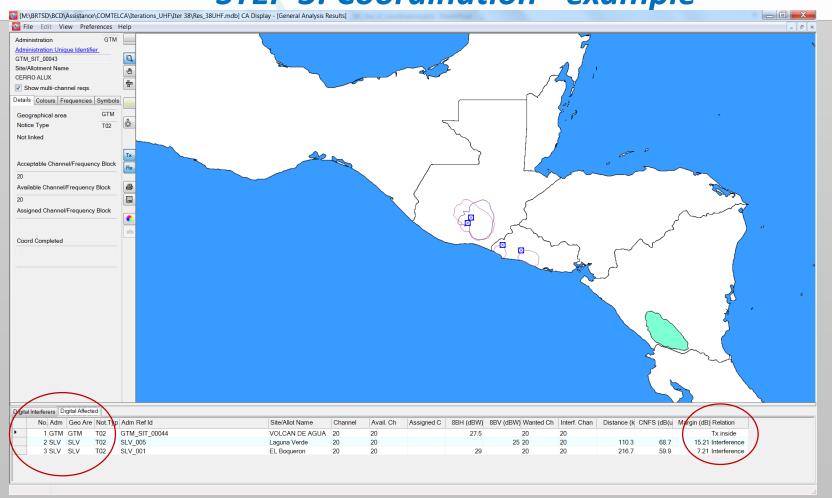


STEP 3: Coordination - example

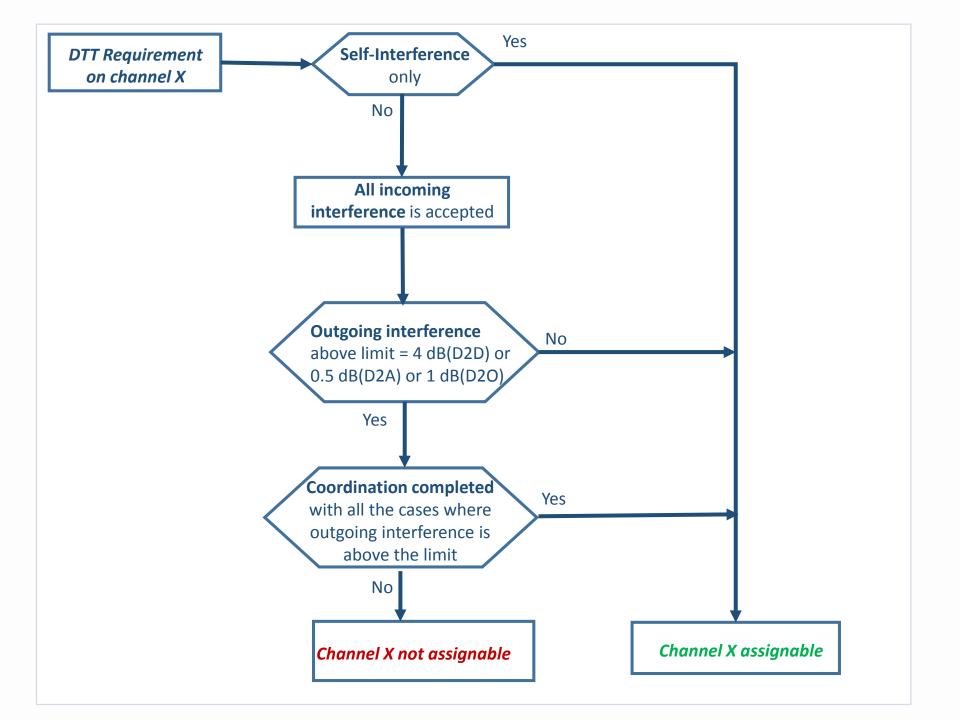




STEP 3: Coordination - example



GTM needs to submit coordination with SLV for GTM_SIT_00043





"Thank you for your attention!"