# Solutions for the exercises using the BR IFIC DVD (terrestrial services)

#### 1. National extract

Retrieve all the assignments recorded in the MIFR on behalf of your Administration using the "Quick Query" option.

**Solution:** Click on the "New Query" button in the toolbar, select "Quick Queries" and press OK.

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~				🖗 New Query Focus	
C.	irrent BRIFI	C Content Deta	ils 🛛 🛝 Ci	Please specify the desired focus for the new query	RIFIC General Statistics : Concerned Administr
				General Purpose Query (GPQ)	Open th
				Latest Publication Query (LPQ)	nat
	1			SQL Query 3	unication
	-		Cı	Quick Query	Publication Date:
				4	
				V OK X Cancel	No 2884
					5

Then select "National Lookup/Extract" and press OK.

😥 TerRaQ quick queries	? ×
National Lookup/Extract Identifier assigned by the BR Unique identifier given by the Administration	V OK

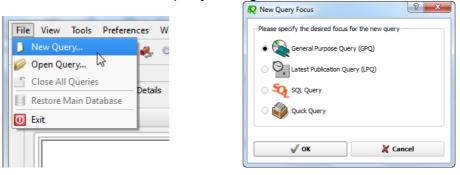
Select your Administration and clear the "Pending Notices (TIP)" check box at the bottom of the screen. Please note that the "Relevant Fragment" should be RR 11 (NTFD\_RR). Press OK to execute the query.

😰 TerRaQ quick query - Nationa	I Lookup/Extract	? <b>×</b>
Your Administration AGL 💌	Relevant fragment	RR 11 (NTFD_RR)
Apply an assigned frequency	range between	]
Low frequency	High frequenc	y MHz 💌
Registered assignments and cor	nmon frequencies (Non-TIP)	)
Pending notices (TIP)		
	V OK X Cancel	

#### 2. Pending notices

Retrieve all the pending requests of modification of the GE06D Plan and check their coordination requirements.

Solution: Create a new GPQ query through the menu item of File->New Query.



Select "FM/TV" as the target domain.

File View Tools Prefere	nces Window Help
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Query Definition [Query_	1] 🦪 Summary 📃 Last Run Query Results
-	🕱 🎝 No case-sensitivity when executing the query
Query Settings	Target Domains
	- Apply this query to the following TerRaSys domains
E.	
Administrative	LEME All domains
Data	
	EXM,
Frequency Data	FXM
Data	
	Target Containers
Geographic	For this query, include only assignments and/or notices from the following containers
Data	Registered assignments and common frequencies (Non-TIP)
Coordination	Pending notices (TIP)
coordination	

Select GE06D as the concerned fragment.

File View Tools Preference	es Window Help			
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Query Definition [Query_1]	🖤 Summary 🛛 🔍 Last Run Query Results			
<i>4</i>	Fragment(s) BR Assigned Id(s) Administration(s)	Station Information	Notice Information	Receipt Date
Query Settings	In this query, select assignments and/or notices from the fol	lowing TerRaSys fragme	nts	
a.	Available Fragments		Selected F	ragments
Administrative Data	GE06A GE84 GE89	GE06D		
	RR 11 (NTFD_RR) ST61			
Frequency Data		-		
<b>9</b>		8		
Geographic				

Select your Administration under "Administrative Data" and "Administration(s)".

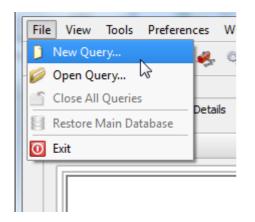
File View Tools Preferen	nces Window Help	
	🧈 🖏 😭 🏓 🔤 🖸	
Query Definition [Query_1]	1] 🦅 Summary 🔍 Last Run Query Results	
and a state	Fragment(s)       BR Assigned Id(s)       Administration(s)       Station Information       Notice Information       Receipt Date(s)         Fot this query, select assignments and / or notices notified by the following Administrations	
Query Settings	Fot this query, select assignments and / or notices notified by the following Administrations	
<b>E</b>	Available Selected Administrations Administrations	
Administrative Data	AFG AFS ALB ALG	
Frequency Data	AND ARG ARM ARS ATG	
<b>(</b>	ATG AUS	
Geographic Data	Specify unique identifier(s) given by the Administration	
Coordination Data	Unique Id given by the Administration	

Execute the query.

## 3. Search for a frequency assignment

Retrieve the frequency assignment of 594 MHz and geographical coordinates 34°40'00"E - 4°45'00"S using the "General Purpose Query".

**Solution:** Select File->New Query menu, then "General Purpose Query" and press OK.

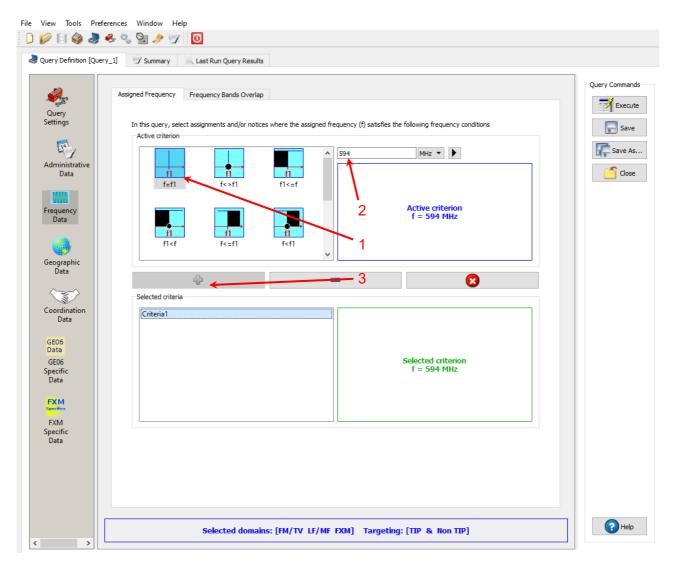


😥 New Query Focus	y x
Please specify the desired focus for the new query-	
General Purpose Query (GPQ)	
Latest Publication Query (LPQ)	
SQL Query	
🔿 💞 Quick Query	
V OK X Can	cel

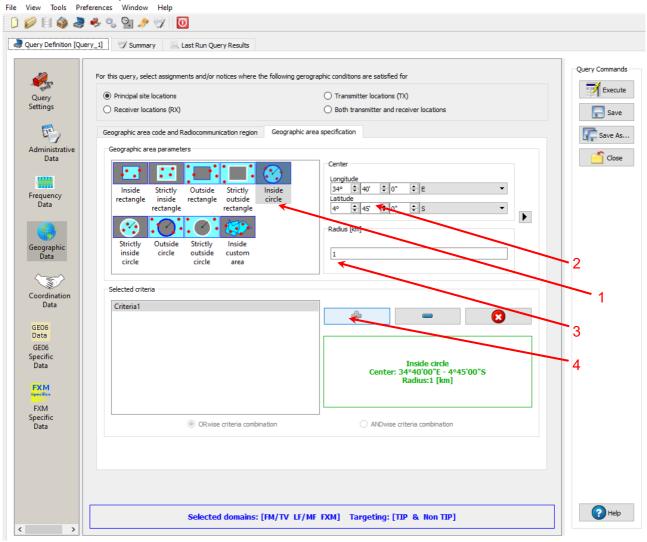
Select "All domains" in Query Settings.

File View Tools Prefere	nces Window Help	
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Query Definition [Query_	1] // Summary Last Run Query Results	
20	- <b>N</b> a	Query Commands
Query	X A No case-sensitivity when executing the query	Execute
Settings	-Target Domains	Save
50	Apply this query to the following TerRaSys domains	Save
et.,	All domains	Save As
Administrative Data		Close
1000	FXM,	
Frequency	E FXM	-
Data		
	Target Containers	
Geographic	For this query, include only assignments and/or notices from the following containers	
Data	Registered assignments and common frequencies (Non-TIP)	
	IFL Pending notices (TIP)	
Coordination Data		
FX M Specifics		÷
FXM Specific		
Data		
	Selected domains: [FM/TV_LF/MF_FXM] Targeting: [TIP & Non TIP]	Pelp
	( ) ( )	

In Assigned Frequency screen under Frequency Data, select f=f1, then enter 594 in the frequency box, select "MHz" as the unit and press + button.



In Geographic Data->Geographic area specification screen, select "Inside circle", then enter 34°40'00"E - 4°45'00"S in the Longitude and the Latitude boxes then enter 1 in the Radius box and press + button.



Press Execute button to run the query and in the following screen click on Load button to see the result.

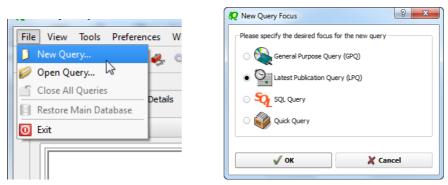
Query_1 - Outcome Summary		?	
Applied SQL Filters		🔁 Lo	bad
On FM/TV		📕 🦑 Re	fine
((freq_assgn = 594)) AND (((long_rdn >= 0.604889988899231) AND (long_rdn <= 0.6052049398422242)) AND ((lat_rdn >= -0.08306004852056502) AND (lat_rdn <= -0.08274623006582262)) OR (terrakey IN (SELECT terrakey FROM ge06_allot_sub_area_xref WHERE ge06_sub_area_key IN (SELECT ge06_sub_area_k FROM ge06_sub_area_pt WHERE ((long_rdn >= 0.604889988899231) AND (long_rdn 0.6052049398422242)) AND ((lat_rdn >= -0.08306004852056502) AND (lat_rdn <= -0.0830600485205602) AND (lat_rdn <= -0.0830600485205602) AND (lat_rdn <= -0.0830600485205602) AND (lat_rdn <= -0.0830600485205602) AND (lat_rdn <= -0.08306004850	i <=	Direct	
On LF/MF			
((freq_assgn = 594)) AND (((long_rdn >= 0.604889988899231) AND (long_rdn <= 0.6052049398422242)) AND ((lat_rdn >= -0.08306004852056502) AND (lat_rdn <= -0.08274623006582262)))			
On FXM			
On FXM ((freq_assgn = 594)) AND (geo_key IN (SELECT geo_key FROM fxm_geo_pt WHERE ((((long_rdn >= 0.604889988899231) AND (long_rdn <= 0.6052049398422242)) ANI ((lat_rdn >= -0.08306004852056502) AND (lat_rdn <= -0.08274623006582262))))))			
((freq_assgn = 594)) AND (geo_key IN (SELECT geo_key FROM fxm_geo_pt WHERE ((((long_rdn >= 0.604889988899231) AND (long_rdn <= 0.6052049398422242)) ANI			
((freq_assgn = 594)) AND (geo_key IN (SELECT geo_key FROM fxm_geo_pt WHERE ((((long_rdn >= 0.604889988899231) AND (long_rdn <= 0.6052049398422242)) ANI			
((freq_assgn = 594)) AND (geo_key IN (SELECT geo_key FROM fxm_geo_pt WHERE ((((long_rdn >= 0.604889988899231) AND (long_rdn <= 0.6052049398422242)) AND ((lat_rdn >= -0.08306004852056502) AND (lat_rdn <= -0.08274623006582262))))))			
((freq_assgn = 594)) AND (geo_key IN (SELECT geo_key FROM fxm_geo_pt WHERE ((((long_rdn >= 0.604889988899231) AND (long_rdn <= 0.6052049398422242)) AND ((lat_rdn >= -0.08306004852056502) AND (lat_rdn <= -0.08274623006582262))))))			
((freq_assgn = 594)) AND (geo_key IN (SELECT geo_key FROM fxm_geo_pt WHERE         ((((long_rdn >= 0.604889988899231) AND (long_rdn <= 0.6052049398422242)) AND	2		
((freq_assgn = 594)) AND (geo_key IN (SELECT geo_key FROM fxm_geo_pt WHERE         ((((long_rdn >= 0.604889988899231) AND (long_rdn <= 0.6052049398422242)) AND	2		

## 4. Latest publication query

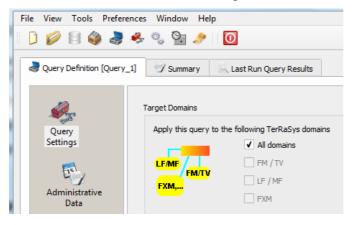
Retrieve all the frequency assignments of your Administration published by the Bureau in the latest BR IFIC.

• Indicate those published for acknowledgement of receipt

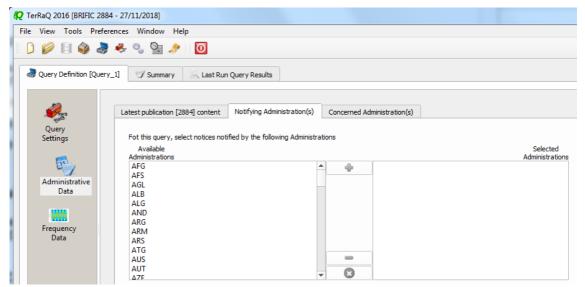
Solution: Create a new LPQ query through the menu item of File->New Query.



Select "All domains" under "Target Domains".



Select your Administration under "Administrative Data".



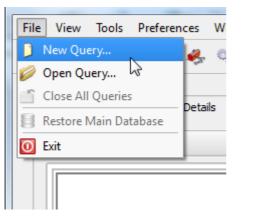
In the "Administrative Data" select only "Part I" in the box of "RR 11" under "FM/TV current publications" and "FXM current publications" (the LF/MF domain of this BR IFIC has no contents in Part I). Now press "Execute" to see the result.

uery Definition [Qu	ery_2] 🦅 Summary 📃 Last Ru	n Query Results		_
-	Latest publication [2982] content	Notifying Administration(s) Concern	ed Administration(s)	Query Commands
Query Settings	FM/TV current publications	LF/MF current publications FXM current	nt publications	
	RR 11 Publication No 2982			Save
Administrative		🗹 Part I 🗌 Part II 🗌	Part III 🗌 Part II B	Save As
Data	GE84 Special Section (None	)		🖆 Close
1000		Part A Part	t B 🔄 Part C	
Frequency	GE06 Special Section No 19	7		
Data		Part A1 Part	B1 Part C1	
		Part A2 Part		
	ST61 Special Section (None			
	STOT Special Section (None	Part A Pari	tB Part C	
	GE89 Special Section (None			
		Part A Par	tB Part C	
		Check all	Uncheck all	

Image: Ref and the second	-	- 🗆 X
Query Definition [Quer	y_2] 🎲 Summary 🔍 Last Run Query Results	
Query Settings	Latest publication [2982] content Notifying Administration(s) Concerned Administration(s) PM/TV current publications LF/MF current publications FXM current publications	Query Commands
Administrative	RR 11 Publication No 2982	Save
Data Frequency Data	GE06L Special Section No 88  Part A Part B Part C  GE85M Special Section (None)	Close
Data	Part A Part B Part C      AP25 Special Section (None)     Part A Part B Part C	
	✓ Check all	
< >	Selected domains: [FM/TV_LF/MF_FXM]	P Help
	Windows 10 (64 bits) - Active database: [Main database] C/BR_Soft/Terra	sys/Data/BRIFIC_2982.db3

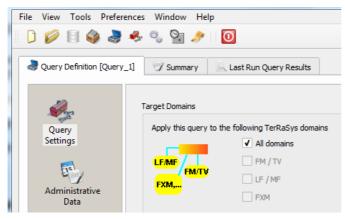
• Indicate those which are going to be recorded in the Master Register.

**Solution:** Create a new LPQ query through the menu item of File->New Query.



New Query Focus	? <mark>-</mark> ×
Please specify the desired focus for t	he new query
🔾 🍋 General Purpose Query (	GPQ)
Latest Publication Query	(LPQ)
🔿 🏹 SQL Query	
O 🧼 Quick Query	
🗸 ок	💥 Cancel

Select "All domains" under "Target Domains".



Select your Administration under "Administrative Data".

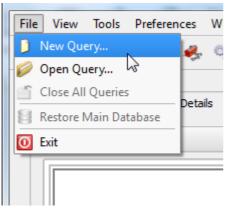
RerRaQ 2016 [BRIFIC 2	2884 - 27/11/2018]	
File View Tools Pre	eferences Window Help	
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Query Definition [Qu	uery_1] 🖤 Summary 🛛 🔍 Last Run Query Results	
<i>i</i>	Latest publication [2884] content         Notifying Administration(s)         Concerned Administration(s)	
Query Settings	Fot this query, select notices notified by the following Administrations	
<b>ER</b>	Available Administrations AFG	Selected Administrations
Administrative Data	AFS AGL ALB	
Frequency	ALG AND ARG	
Data	ARM ARS ATG	
	AUS	

In the "Administrative Data" select only "Part II" in the box of "RR 11" under "FM/TV current publications" and "FXM current publications" (the LF/MF domain of this BR IFIC has no contents in Part II). Now press "Execute" to see the result.

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	erences window reep		
a Query Definition [Que			
	Latest publication [2982] content Notifying Administration(s) Concerned Administration(s)	Query Commands	
Query Settings	FM/TV current publications LF/MF current publications FXM current publications	Execute	
Administrative	RR 11 Publication No 2982	Save As	
Data	GE84 Special Section (None)	Close	
Frequency Data			
	ST61 Special Section (None)		
	GE89 Special Section (None)		
	✓ Check al Uncheck al		
< >	Selected domains: [FM/TV_LF/MF_FXM]	Pelp Help	
	Windows 10 (64 bits) - Active database: [Main database] C/BR_Soft/Terras	ys/Data/BRIFIC_2982.	.db3

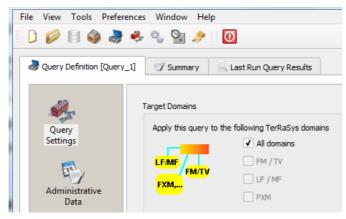
	erences Window Help	
Query Definition [Que	y_2] 🎲 Summary 📉 Last Run Query Results	
Query Settings	Latest publication [2982] content         Notifying Administration(s)         Concerned Administration(s)           FM/TV current publications         LF/MF current publications         FXM current publications	Query Commands
Administrative	RR 11 Publication No 2982	Save As
Data	GE06L Special Section No 88	Close
Frequency Data	GE85M Special Section (None)	
	AP25 Special Section (None)	
	✓ Check al	
>	Selected domains: [FM/TV_LF/MF_FXM]	Pelp
>		

• Indicate those for which the Bureau has formulated an unfavourable finding. **Solution:** Create a new LPQ query through the menu item of File->New Query.



New Query Focus	? <mark>-</mark> ×
Please specify the desired focus t	for the new query
🔿 💊 General Purpose Que	ry (GPQ)
Latest Publication Que	ery (LPQ)
🔾 🏹 SQL Query	
🔿 💞 Quick Query	
🗸 ок	💥 Cancel

Select "All domains" under "Target Domains".



Select your Administration under "Administrative Data".

RerRaQ 2016 [BRIFIC 2	2884 - 27/11/2018]	
File View Tools Pre	eferences Window Help	
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Query Definition [Qu	uery_1] 🖤 Summary 🔍 Last Run Query Results	
<i>i</i>	Latest publication [2884] content         Notifying Administration(s)         Concerned Administration(s)	
Query Settings	Fot this query, select notices notified by the following Administrations	
<b>ER</b>	Available Administrations AFG	Selected Administrations
Administrative Data	AFS AGL ALB	
Frequency	ALG AND ARG	
Data	ARM ARS ATG	
	AUS	

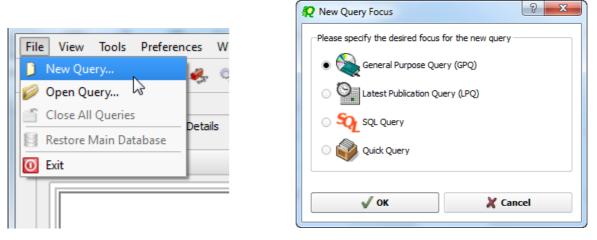
In the "Administrative Data" select only "Part III" in the box of "RR 11" under "FXM current publications" (the LF/MF and FM/TV domains of this BR IFIC have no contents in Part III). Now press "Execute" to see the result.

<ul> <li>TerRaQ 2019 [BRIFIC 29]</li> <li>File View Tools Prefet</li> </ul>	82 - 18/10/2022] srences Window Help	- 🗆 X
📙 🜔 💋 🗐 🆓 🌏 -	윶 🞭 📴 🧈 河 🛛 🖸	
Query Definition [Query	y_2]  Y Summary Last Run Query Results Latest publication [2982] content Notifying Administration(s) Concerned Administration(s) FM/TV current publications FXM current publications	Query Commands
Settings Administrative Data	RR 11 Publication No 2982	Save
Frequency Data	GEDGL Special Section No 88  Part A Part B Part C  GEBSIM Special Section (None)  Part A Part B Part C	Cuse
	AP25 Special Section (None)	
	✓ Check all	
< >	Selected domains: [FM/TV_LF/MF_FXM]	Help
	Windows 10 (64 bits) - Active database: [Main database] C:/BR_Soft/Terra	asys/Data/BRIFIC_2982.db3

## 5. Notification to the BR for registration in the Master Register during year 2021

Retrieve all the assignments notified by your Administration, for registration in the **Master Register**, during 2021.

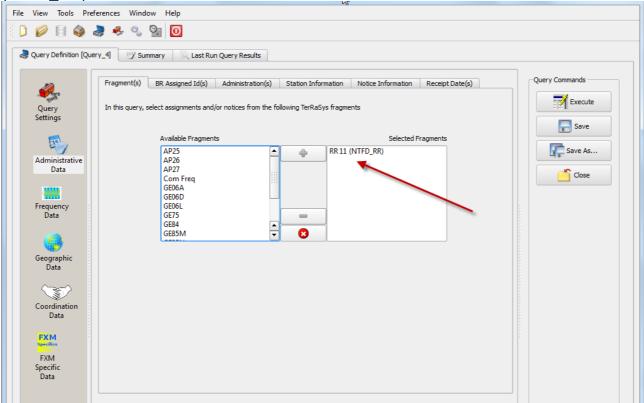
Solution: Create a new GPQ query through the menu item of File->New Query.



Select "All domains" as the target domain and make sure to select both check boxes in the "Target Containers".

File View Tools Preferenc	es Window Help	
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Query Definition [Query_3]	Summary Last Run Query Results	
		· · · · · · · · · · · · · · · · · · ·
	A <sup>a</sup> No case-sensitivity when executing the query	Query Commands
Query Settings	arget Domains	
E.	Apply this query to the following TerRaSys domains	Save
Administrative		Save As
Data		Close
	EXM,	
Frequency Data	FXM	
<b>a</b> 1	Target Containers	
Geographic F	For this query, include only assignments and/or notices from the following containers	
Data	Registered assignments and common frequencies (Non-TIP)	
	Registered assignments and common frequencies (Non-TIP)      IFL     Registered assignments and common frequencies (Non-TIP)	
Coordination		
Data		
FXM Specifics		
FXM		·
Specific Data		
	Selected domains: [FM/TV LF/MF FXM] Targeting: [TIP & Non TIP]	
		Pelp

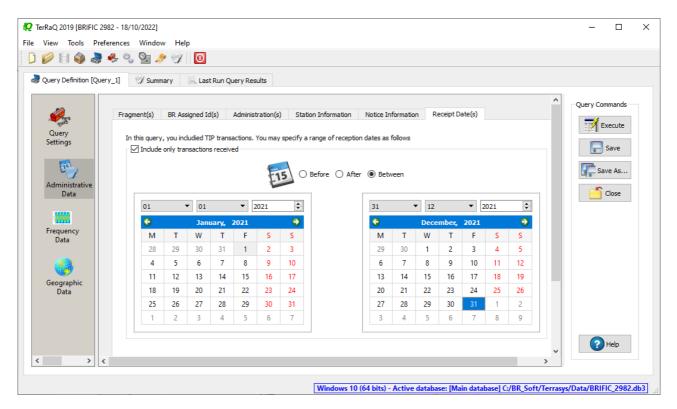
Then under "Administrative Data" and in the "Fragment(s)" page, select "RR 11 (NTFD\_RR)".



Then in "Administration(s)" page, select your Administration's code.

Query Definition [Que	ry_4 Summary Last Run Query Results	
	Fragment(s)         BR Assigned Id(s)         Administration(s)         Station Information         Notice Information         Receipt Date(s)	Query Commands
Query	Fot this query, select assignments and / or notices notified by the following Administrations	Execute
Settings		
-	Available Selected	Save
E	Administrations Administrations	Save As
Administrative	AFS	
Data	AGLALB	Close
<u></u>	ALG	
Frequency	AND ARM	
Data	ARS	
	ATG AUS	
Geographic		
Data	Specify unique identifier(s) given by the Administration	
$( \sim )$	Unique Id given by the	
Coordination	Administration	
Data		
EV.L		
FXM Specifics		
FXM		

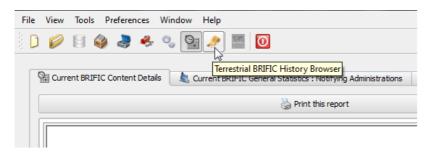
In the "Receipt Date(s)" page, select the check box of "Include only transactions received" then select "Between" and enter 01/01/2021 and 31/12/2021 as the dates. Execute the query.



#### 6. BR IFIC history check

Retrieve all BR IFICs published in 2021 containing notifications submitted by your Administration.

Solution: Click on the "Terrestrial BR IFIC History Browser" button on the toolbar.



At the top of the screen select the date between 01/01/2016 and 31/12/2016 in the boxes below it and select your Administration as the notifying Administration. It should be noted that you need to click on the day in each date grid to set the date.

<table-cell> Terrest</table-cell>	trial BRI	FIC Hist	tory Bro	owser Se	ttings							?	×
Inclu	ide only	BRIFICs	publish	ed –									
O Before O After   Betwee								ween					
		01	/01/20	021					31	/12/20	021		
G		Jan	uary,	2021		٢	0		Dece	mber,	2021		•
28	29	30	31	1	2	3	29	30	1	2	3	4	5
4	5	6	7	8	9	10	6	7	8	9	10	11	12
11	12	13	14	15	16	17	13	14	15	16	17	18	19
18	19	20	21	22	23	24	20	21	22	23	24	25	26
25	26	27	28	29	30	31	27	28	29	30	31	1	2
1	2	3	4	5	6	7	3	4	5	6	7	8	9
Indu	ude BRIF	ICs with	unknov	vn date (	of public	ation							
AFS AGL ALB				<u> </u>	~	-		6					
No	otificatio	ns conce		And ne followi	ing Admi	nistration	IS		) Or				
AFG	;				~	- <b>4</b>							וור
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AGL						×							
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Show t	this dialo	a before	the firs	st invoca	tion of t	he BRIFIC	C History	Browse	r				🗸 ок
												D	efaults
Save a	nd reme	mber th	ese sett	tings								>	Cancel
												~	Cancel

## 7. Update Tables 12A/12B of the Preface to the BR IFIC

Check Tables 12A/12B of the Preface to the BR IFIC (Address Codes and Operating Agencies)

Should there be any changes/suppressions, communicate them to the Bureau.

Solution: Open the Preface to the BR IFIC.

R TerRaQ 2019 [BRIFIC 2982 - 18/10/2022]		-		×			
File View Tools Preferences Window Help							
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🕍 Current BRIFIC Content Details 🛛 🛝 Current BRIFIC G	General Statistics : Notifying Administrations	a Current BRIFIC General Statistics : Concerned Admi	nistration	s			
😓 Print this report		Open the Preface to the BRIFIC					
Committed to connecting the world							
Current BRIFIC Number: 2982		Publication Date: 18/10/2022					
RR 11 Publication No 2982 Information							
<u>Part I (3632)</u> <u>FM/TV (5)    FXM (3627)</u>	<u>Part II (3467)</u> <u>FM/TV (3)    FXM (3464)</u>	<u>Part III (379)</u> <u>FXM (379)</u>					

Go to Chapter IV, Section 3 "Address Codes and Operating Agencies" and check the entries under the name of your Administration.

