



ITUWRS

GENEVA2024

2-6 December 2024
Geneva, Switzerland



ITU-BR BRSIS-SpaceQry

Tounssi HADJRI – BR-IAP-SAS





SAM

ITU-BR Space Applications Manager v10.0.0.3 (SNS V10.0) Beta

SpaceCap Beta

SpaceCom Beta

BrSoft

BrWeb

Setup

BrSis Beta

BR-SIS SRSCovert Beta

BR-SIS SpaceQry Beta

BR-SIS Validation Beta

BR-SIS Publication Beta

GIMS Beta

BrSis Beta

BR-SIS SpaceQry Beta

SpaceQry





Space Information System (SNS v10.0)



Selected task: Query

Query

- Version: 10.0.0.0 ([what's new?](#))
- Description: Query SNS formatted databases
- Contact: brsas@itu.int

Cap

Publication

Pub

SRS convert

New Window

Start

Quit

Selected database: ific3034.mdb

Microsoft Access BR IFIC DVD

WRS24\Documents\Wrs24\SpaceQRY Testing\V10\ific3034.mdb

Browse

Selected task

Selected database

External user

SpaceQry main screen

2 Execute

1 Set criteria

BRSIS - SpaceQry v10.0.0.0 - BETA

Set search criteria ☆ Favorites Clear SQL

Standard

Search

Quick SQL AdHoc Table InDepth Vis a Vis
Standard BR IFIC DVD Builder Overlap

Type of notice

Non-Plan BSS/FSS Plan

Advance Publication Plan
 Coordination Pending
 Coordination (Earth station) List
 Notification SOF Art. 2A
 Due Diligence

Administrative criteria

Notice Id. Status
Admin. Network Org.
BR IFIC no. Plan id.

Satellite criteria

Geostationary Non-Geostationary
Satellite Name
Orbital Position

Earth/Radioastronomy criteria

Specific Typical Radioastronomy
Station Name

Results: 8,306 rows found in SQL DEVELOPMENT

ntc_id	ntc_type	prov	act_code	adm
=	REC	REC	REC	REC
>				
324520085	N	9.6	M	I
324520031	G	9.6	M	AZE
324520030	G	9.6	M	G
324520028	N	9.6	M	D
324520014	G	9.6	M	THA
324520010	N	9.6	M	J
323520267	N	9.6	M	CHN
323520266	N	9.6	M	CHN
323520265	N	9.6	M	CHN
323520263	N	9.6	M	USA
323520262	N	9.6	M	RUS
323520244	G	9.6	M	CHN
323520243	G	9.6	M	CHN
323520240	G	9.6	M	CHN
323520239	G	9.6	M	CHN
323520235	G	9.6	M	CHN
323520220	N	9.6	M	CHN
323520219	N	9.6	M	CHN
323520205	G	9.6	M	E
323520204	G	9.6	M	E
323520199	G	9.6	M	UAE
323520198	G	9.6	M	UAE
323520197	G	9.6	M	UAE
323520196	G	9.6	M	UAE

Export Print SQL Filter Refresh

3 Show results

SpaceQry criteria tabs

- Standard
- BR IFIC DVD*
- Quick
- Builder

Quick | SQL AdHoc | Table InDepth

Standard | BR IFIC DVD | Builder | Overlap

^ Type of notice

Non-Plan

Advance Publication

Coordination

Coordination (Earth station)

BSS/FSS Plan

Plan

Pending

List

SOF Art. 2A

Notification

Due Diligence

Administrative criteria

Satellite criteria

Earth/Radioastronomy criteria

Frequency criteria

Freq. Min. (MHz)	Freq. Max. (MHz)
> 15000	32000

Quick | SQL AdHoc | Table InDepth

Standard | BR IFIC DVD | Builder | Overlap

BR IFIC

List of queries to retrieve basic information from the SNS formatted databases available in the BR IFIC DVD.

Show only the latest BR IFIC info. ⚠

Statistics on Publications

Statistics on Satellites / Nominal Longitude

My satellite networks

Networks interfering with my Administration ⚠

Planned bands networks interfering with my Admin. ⚠

Standard | BR IFIC DVD | Builder | Overlap

Quick | SQL AdHoc | Table InDepth

Queries on frequencies

Network frequencies

Frequencies which are unique within their beam

Unique frequencies followed by all associated classes of station and beams

Frequency summary: Frequencies which are unique within their beam and class of station

Networks within specified frequency band and class of station.

Queries on regulatory dates

Queries on technical examination results

Specific queries for BSS/FSS Plan

Quick | SQL AdHoc | Table InDepth

Standard | BR IFIC DVD | Builder | Overlap

Select data items that you want to see in the query result

Select	Description	Field name
<input type="checkbox"/>	Beam name	beam_name
<input type="checkbox"/>	Emission indicator	emi_rcp
<input type="checkbox"/>	Group Id	grp_id
<input type="checkbox"/>	Class of station/Nature of se...	stn_cls, nat...
<input type="checkbox"/>	Country	ctry
<input type="checkbox"/>	Date of bringing into use	d_inuse
<input type="checkbox"/>	Date of protection	d_prot_eff
<input type="checkbox"/>	Date of publication (BR IFIC)	d_wic
<input type="checkbox"/>	Date of receipt (notice level)	d_rcv
<input type="checkbox"/>	Date of receipt (group level)	d_rcv
<input type="checkbox"/>	Coordination status	coord_pro...

General parameters

Type of notice

- Overlap

Quick | SQL AdHoc | Table InDepth

Standard | BR IFIC DVD | Builder | Overlap

Overlap graphical representation

Overlap query to identify which networks contain frequencies which overlap a given frequency band or group of bands.

[BSS Plan] Overlap query to identify which networks contain frequencies which overlap a given channel or group of channels.

- SQL AdHoc

Standard | BR IFIC DVD | Builder | Overlap

Quick | SQL AdHoc | Table InDepth

Type your query here:

```
select * from notice
```

AdHoc Query helper

NEW Table InDepth

Standard | BR IFIC DVD | Builder | Overlap

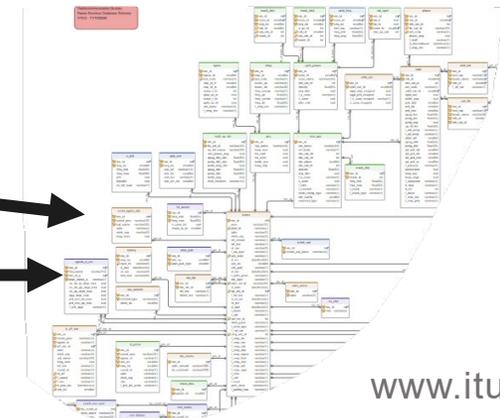
Quick | SQL AdHoc | Table InDepth

1 Navigate in transaction to define the query level

Notice Id.

2 Select a SNS table

SNS table



*only with BR IFIC mdb



Demo



Thank you!

ITU – Radiocommunication Bureau

Questions to brmail@itu.int or brsas@itu.int

Annex

Q: How to find out what is the 7 years regulatory deadline for assignments ?

A: Use the Quick Tab, select option Regulatory dates

BRSIS - SpaceQry v10.0.0.0 - BETA

Set search criteria ★ Favorites Clear SQL ← Standard Standard Quick

Search

Results: 2 rows found in ifc3034.mdb Export SQL Filter Search Print Refresh More

ntc_id	prov	adm	ntwk_org	sat_name	long_nom	d_rcv	wic_no	d_wic	d_prot_eff	d_rcv_start	d_reg_limit	d_inuse	f_biu	d_type	d_fdg_rev	fdg_prov	prd_valid
> 123520192	9.6	D		ODYSSEY-72E	72	13.12.2023	3034	12.11.2024	13.12.2023	13.12.2023	13.12.2030						50
123520192	9.6	D		ODYSSEY-72E	72	13.12.2023	3034	12.11.2024	13.12.2023	13.12.2023	13.12.2030					5.28	50

Regulatory dates

Criteria associated with the selection

Notice Id. 🔍 🔄

Sat. name: ODYSSEY-72E
Type of notice: Coordination Status: 50
Adm./Org.: D Orb. pos.: 72E Station type: G

Q: How to show summary of freq. bands of a network and compare it to another one ?

A: Use the Overlap Tab, select option Overlap graphical representation

BRSIS - SpaceQry v10.0.0.0 - BETA

Set search criteria Favorites Clear SQL

Standard Standard Quick **Overlap**

Search

Quick	SQL AdHoc	Table InDepth	Vis a Vis
Standard	BR IFIC DVD	Builder	Overlap

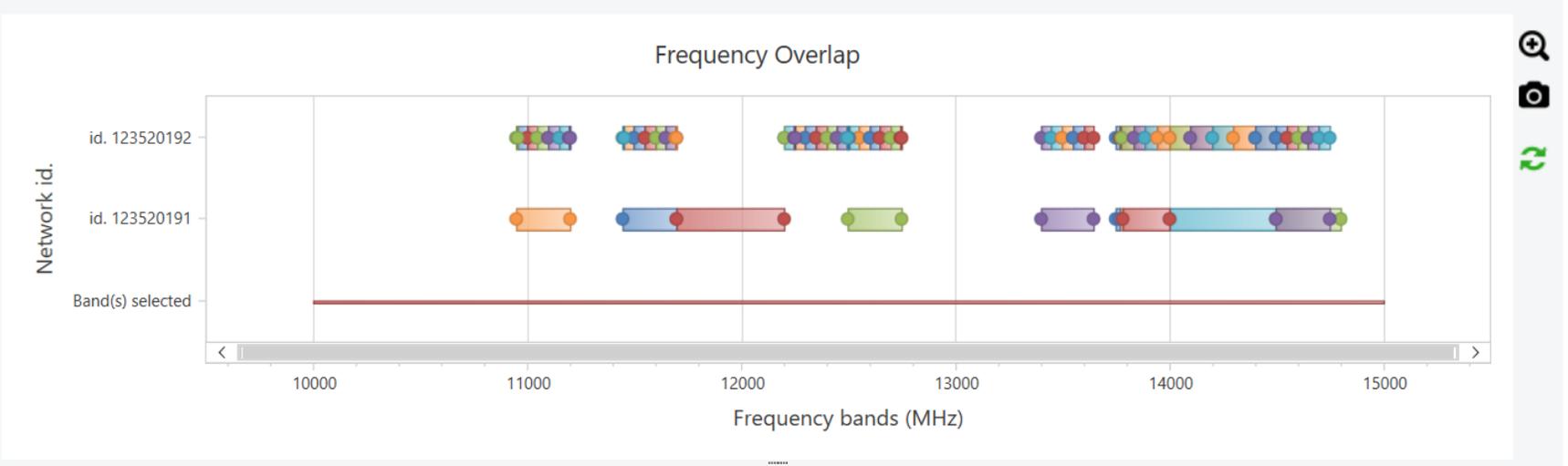
Overlap graphical representation

Criteria associated with the selection

Notice Id. 123520191 Add to list

Notice Id.	Satellite name	Notif. rsn	Plan id.
> 123520192	ODYSSEY-72E	C	
123520191	MT-SAT-41W-G2	C	

Frequency Overlap



Network id.

id. 123520192

id. 123520191

Band(s) selected

Frequency bands (MHz)

Q: How to show list of Administrations and affected networks?

A: Use the Quick Tab, select option Coordination status

BRSIS - SpaceQry v10.0.0.0 - BETA

Standard Standard Quick Overlap Quick-Adm Quick-Ntwk

Results: 3,711 rows found in ific3034.mdb

adm	ntwk_org	sat_name	long_nom	ntf_rsn	st_aff	aff_ntc_id	f_cause	f_rec
bc	bc	bc	=	bc	bc	=	bc	bc
<ul style="list-style-type: none"> > coord_prov: 9.13 > coord_prov: 9.41 > coord_prov: 9.7 > coord_prov: 9.7-CI > coord_prov: 9.7-CII > coord_prov: A30#7.1 > coord_prov: A30A#7.1 > coord_prov: A30A#7.1-CII 								

Coordination status

Criteria associated with the selection

Notice Id. 123520193

Sat. name: ODYSSEY-64E
 Type of notice: Coordination Status: 50
 Adm./Org.: D Orb. pos.: 64E Station type: G

Administrations affected
 Networks affected

Q: How to show where my Adm. is identified in an IFICxxxx.mdb?

A: Use the BR IFIC DVD Tab, select option Networks interfering with my Adm.

BRSIS - SpaceQry v9.0.0.2

Standard Quick Quick Quick Overlap Overlap Overlap Overlap Overlap Overlap InDepth InDepth InDepth Quick-Adm Quick-Ntwk

Results: 80 rows found in ific2980.mdb

ntc_id	stn_name	ntf_rsn	ssn_ref	coord_prov	agree_st	adm	ntwk_org
=	0ec	0ec	0ec	0ec	0ec	0ec	0ec
>	sat_name: CHINASAT-G-12.4W						
>	sat_name: CHINASAT-G-72.6W						
>	sat_name: KOREASAT-113K						
>	sat_name: KOREASAT-128.2A						
>	sat_name: MADAR-160E-3						
>	sat_name: MADAR-174E-2						
>	sat_name: MADAR-33E						
>	sat_name: MADAR-33E-4						
>	sat_name: MADAR-43W-4						
>	sat_name: MADAR-44E-2						
>	sat_name: MADAR-78.5E-2						
>	sat_name: MCLSAT						
>	sat_name: MICRONSAT						
>	sat_name: NEW DAWN 25						
>	sat_name: N-SAT2-93E						
>	sat_name: N-SAT-Y15-124E						
>	sat_name: N-SAT-Y15-150E						
>	sat_name: N-SAT-Y17-98W						
>	sat_name: ODYSSEY-97W						
>	sat_name: ODYSSEY-99W						
>	sat_name: P92-2A						
>	sat_name: P92-6A						
>	sat_name: PROMETHEUS-2						
>	sat_name: QATARSAT-G5-25.5E						
>	sat_name: QATARSAT-G5-99E						

BR IFIC List of queries to retrieve basic information from the SNS formatted databases available in the BR IFIC DVD.

Show only the latest BR IFIC info. ⚠

Statistics on Publications

Statistics on Satellites / Nominal Longitude

My satellite networks

Networks interfering with my Administration ⚠

Select your Adm. AUS Org.

Planned bands networks interfering with my Admin. ⚠



SpaceQry looks only in the current database

Q: How to show neighboring satellites (+/- 3 deg.) ?

A: Use the BR IFIC DVD Tab, select option Statistics on sat./Nominal longitude



The screenshot shows the BR IFIC DVD software interface. The main window displays a bar chart titled "Satellites / Nominal Longitude" showing the number of satellites at various nominal longitudes. The x-axis represents nominal longitude (degrees) from 20.6 to 58.5, and the y-axis represents the number of satellites from 0 to 18. The highest number of satellites is at 56 degrees (17 satellites).

Below the chart, a table shows the results of a query for satellites at a nominal longitude of 42 degrees. The table has 10 rows and 10 columns: long_nom, sat_name, ntf_rsn, ntf_id, act_code, adm, ntwk_org, d_rev, wic_no, st_cur, and plan_id.

long_nom	sat_name	ntf_rsn	ntf_id	act_code	adm	ntwk_org	d_rev	wic_no	st_cur	plan_id
42	TURKSAT-1A	N	95500457	A	TUR		07.07.1995	2639	50	
42	TURKSAT-1D	N	100500442	A	TUR		02.06.2000	2639	50	
42	TURKSAT-42E-A	N	112500281	A	TUR		27.12.2012	2749	50	
42	TURKSAT-42E-B	N	114500196	M	TUR		17.12.2015	2885	50	
42	TURKSAT-42E-C	N	119500077	A	TUR		15.03.2019	2918	50	
42	TURKSAT-42E-F	N	122500047	A	TUR		11.03.2022	2970	20	
42	TURKSAT-BSS-T-42E	N	321500223	M	TUR		06.12.2021	2962	20	
42	TURKSAT-BSS-T-42E	N	120500249	A	TUR		17.08.2020	2956	50	
42	TURKSAT-K2	N	101500035	A	TUR		13.02.2001	2639	50	
42	TURKSAT-KX	N	104500576	M	TUR		04.09.2007	2639	50	