



Space
Explorer

Networks Explorer

Special Explorer

Temporary Explorer

My Space Explorer

Query Builder

ITU SpaceExplorer

V.0.15.9 **Pilot Phase 1 with main features available and
Special Explorer on contacts and use of Article 4.4**

Start the improved user experience with an example

“Exploring geostationary non-Plan Satellite Networks
of an Administration : S (Sweden)”

On the main page
you can already:

The screenshot shows the ITU Space Explorer website. The top navigation bar includes the ITU logo, 'ITU Space Explorer', and several menu items: 'Networks Explorer', 'Special Explorer', 'Temporary Explorer', 'My Space Explorer', and 'Query Builder'. A 'BETA | FEEDBACK' button is also present. The main content area features a breadcrumb trail 'Home > Networks Explorer' and a date 'Up to latest BR IFIC No 3021 / 14.05.2024'. A disclaimer states that the version is a pilot and results may be inaccurate. The 'Explore by' section provides statistics on notices and offers search filters for 'Space Network System (SNS)' and 'BR Space Publications'. Search buttons are provided for 'All Space Stations', 'Earth Stations', 'Radio Astronomy', and 'Space Stations In Latest BR IFIC'. A direct search option for 'SNS Notice ID' is also available. Two callout boxes highlight specific features: one for searching contacts of Administrations and Operators, and another for accessing a dashboard view of data for selected satellite networks, earth stations, and radio astronomy stations.

Available to search contacts of
Administrations and Operators
And use of Article 4.4

To access Dashboard view of data related to a selected:
- Satellite network/system GSO, Non-GSO and Plans AP30/30A and 30B
- Earth Stations
- Radio Astronomy Station



Show Hints

Help available by clicking on
“Show Hints” when available
on pages

NEW



ITU Space Explorer

**Step by step
introduction**

On the main page you can already:

1. Choose a **tab** to query:

the active data in the “**SNS database**” **OR** the history of publications in the “**BR Space Publications**”

2. Choose to filter some criteria or a network – optional

3. Before clicking on the Search intended to explore

The screenshot shows the ITU Space Explorer website. The top navigation bar includes the ITU logo, 'ITU Space Explorer', and several menu items: 'Networks Explorer', 'Special Explorer', 'Temporary Explorer', 'My Space Explorer', and 'Query Builder'. A 'BETA | FEEDBACK' button is also present. The main content area is titled 'Home > Networks Explorer' and includes a version update notice: 'Up to latest BR IFIC No 3021 / 14.05.2024'. A descriptive paragraph states: 'The ITU Space Explorer gives you access to the Space Networks Systems Database of the Radiocommunication Bureau of the ITU. The database contains Appendix 4 data of geostationary satellite filings, non-geostationary satellite filings, Earth station filings, and Radio Astronomy filings.' A 'Disclaimer' section follows, noting that the version is a pilot and results may be inaccurate, with a link to report issues to ITUSpaceExplorer@itu.int.

The main interactive section is titled 'Explore by' and displays statistics: '1'958 GSO notices in MIFR, 694 Non-GSO notices in MIFR, 11'745 total notices to explore in SNS. Up to latest BR IFIC No /'. Below this, there are two tabs: 'Space Network System (SNS)' (which is active) and 'BR Space Publications'. Under the 'SNS' tab, there are three dropdown menus for filtering: 'Notifying Administration', 'Network Organization', and 'Satellite Network Name'. Below these are four search buttons: 'Search All Space Stations' (blue), 'Search Earth Stations' (orange), 'Search Radio Astronomy' (green), and 'Search Space Stations In Latest BR IFIC' (red). At the bottom of this section, there is a field for 'SNS Notice ID' and a 'GO' button, with the text 'Proceed directly with active SNS Notice ID' above it.

The footer contains links for 'Privacy Notice', 'Support', and 'Help', along with the version update notice and copyright information: '© 2024 ITU All Rights Reserved'.

For this example

1. Choose the tab to query:

the active data in the [SNS database](#)

2. Filter **S (Sweden)**

3. Before clicking on the Search **All Space Stations**

Explore by

1'884 GSO notices in MIFR, 669 Non-GSO notices i
Up to latest BR IFIC No /

Space Network System (S

Notifying Administration

S (Sweden) X



Search
All Space Stations



On the "List View" page you can:

Sort columns and features on the list are available

Expand each group of filters to select the intended list of networks with criteria
And, if you wish, modify criteria previously input in the Home page

The screenshot shows the ITU Space Explorer interface. The top navigation bar includes 'ITU Space Explorer', 'Networks Explorer', 'Special Explorer', 'Temporary Explorer', 'My Space Explorer', and 'Query Builder'. A 'BETA | FEEDBACK' button is on the right. The breadcrumb trail is 'Home > Networks Explorer > Space Stations'. The main content area features a table of satellite networks with columns: Open Dashboard, SNS Notice ID, Notifying Adm./Network Org., Satellite Network Name, GSO Location East (+) or West (-) (Degrees), Notice Type, Notification Reason, Provision, Plan/Non-Plan, Notice Date of Receipt, and Number of Freq. Bands. A sidebar on the left contains filter groups: Identity, Type of Satellite Network, Frequency Characteristics, Regulatory Process, and Regulatory Dates. A callout box points to the 'Identity' filter. Another callout points to the 'GSO Location' column header. A third callout points to the 'Number of Freq. Bands' column, which has a small bar chart icon. A fourth callout points to the 'Rows per page' dropdown menu at the bottom right, which is currently set to 10. A fifth callout points to the 'Number of Freq. Bands' column, which has a small bar chart icon. A sixth callout points to the 'Number of Freq. Bands' column, which has a small bar chart icon.

Open Dashboard	SNS Notice ID	Notifying Adm./Network Org.	Satellite Network Name	GSO Location East (+) or West (-) (Degrees)	Notice Type	Notification Reason	Provision	Plan/Non-Plan	Notice Date of Receipt	Number of Freq. Bands
Open Dashboard	118560003	S	SIRIUS-N-BSS	4.80	G	N	5.1.2	Plan (AP30)	03.04.2018	2
Open Dashboard	119560006	S	SIRIUS-7-BSS	4.80	G	N	5.1.6	Plan (AP30A)	29.05.2019	2
Open Dashboard	119580007	S	SIRIUS-7-BSS	4.80	G	U	R549	Plan (AP30A)	29.05.2019	2
Open Dashboard	118520315	S	SIRIUS-16W-1	-16.00	G	C	9.6	Non-Plan	18.10.2019	2
Open Dashboard	116520445	S	SMMSAT-2R	-33.50	G	C	9.6	Non-Plan	19.05.2019	2
Open Dashboard	116552019	S	SMMSAT-BSS-3	-33.50	G	B	4.1.3	Plan (AP30)	28.07.2019	2
Open Dashboard	116554019	S	SMMSAT-BSS-3	-33.50	G	B	4.1.3	Plan (AP30A)	28.07.2019	2
Open Dashboard	122590067	S	SMMSAT-2R	-33.50	G	U	R549	Non-Plan	19.12.2019	2
Open Dashboard	119559014	S	OHO-308-47W	-47.00	G	P	A308#6.1A	Plan (AP30B)	14.10.2019	5
Open Dashboard	119559013	S	OHO-308-95W-2	-95.00	G	P	A308#6.1A	Plan (AP30B)	14.10.2019	5

Modify the list displayed per pages to adapt to the space available on your screen

Hover the Number of frequency bands to see a quick view

On the “List View” page for the example:

The screenshot shows the ITU Space Explorer interface. The top navigation bar includes the ITU logo, 'Space Explorer', and several menu items: 'Networks Explorer', 'Special Explorer', 'Temporary Explorer', 'My Space Explorer', and 'Query Builder'. A 'BETA | FEEDBACK' button is on the right. The breadcrumb path is 'Home > Networks Explorer > Space Stations'. The main content area is divided into a left sidebar and a right main panel.

Identity Panel:

- Section: 'Explore Space Networks or Systems by'
- Space Network System (SNS): BR Space Publications
- Satellite Network filters:
 - Notifying Administration: S (Sweden) (selected)
 - Network Organization: (empty)
 - Satellite Network Name: (empty)
- Radio buttons: All, **Non-Plan Only** (selected), Plan Only
- Section: 'Type of Satellite Network'
- Radio buttons: **Geostationary** (checked, 24), Non-Geostationary (10)
- Link: [More filters](#)


Main Panel:

- Buttons: Hide Filters, Save/Share, Export, Show Hints, Reset Filters
- Results: 24
- Table with columns: Open Dashboard, SNS Notice ID, Notifying Adm. / Network Org., Satellite Network Name, GSO Location East (+) or West (-) (Degrees), Notice Type, Notification Reason, Provision
- Table content (10 rows shown):

Open Dashboard	SNS Notice ID	Notifying Adm. / Network Org.	Satellite Network Name	GSO Location East (+) or West (-) (Degrees)	Notice Type	Notification Reason	Provision
	116520450	S	SMMSAT-7R	159.00	G	C	9.6
	121590062	S	SMMSAT-7R	159.00	G	U	RS49
	122500123	S	SMMSAT-7R	159.00	G	N	11.2
	98590401	S / NOT	TELE-X	5.00	G	U	RS49
	90500541	S / NOT	TELE-X	5.00	G	N	RR1488
	112593004	S	SIRIUS-5E	5.00	G	U	RS552
	112500153	S	SIRIUS-5E	5.00	G	N	11.2
	110590015	S	SIRIUS-5E	5.00	G	U	RS49
	109500400	S	SIRIUS-P	5.00	G	N	11.2
	108501081	S	SIRIUS-3B	5.00	G	N	11.2
- Footer: Results: 24, Rows per page: 10, Results: 1-10 of 24, Page: 1 / 3

1. Filter “Non-Plan Only”

2. Filter Geostationary

NEW concept! 
Click “Open DashBoard” to view the detail of one network/system



NEW in ITU SpaceExplorer:



The Dash Board of one network/ system

Each card gives access to more detailed information when you click on it

Click on each of the 3 top cards for more detailed information ...

Select a notice to display its data in the cards on the right-hand side ...

Login as TIES user and click on the cards for more detailed information ...

The screenshot shows the ITU Space Explorer interface for network SMMSAT-7R. The top navigation bar includes 'Home > Networks Explorer > Space Stations > Dashboard > Non-Plans > SMMSAT-7R'. The main content area is divided into several sections:

- Identity:** Satellite Network Name: SMMSAT-7R; Previous Name: —; Administration: S (Sweden); Network Organization: —; Space Plan/Non-Plan Bands: Non-Plan; Type of Satellite Network: Geostationary (159° East).
- Regulatory Status Tracking:** Active Status: Active; In Master Register (MIFR): Yes; Period of validity (years): 50; Date of Bringing into Use: No; Suspension of Use: Partially; Date of Receipt of First Submission: 19.05.2016; Earliest Regulatory Date Limit to Bring into Use: 19.05.2023; BR IFIC Date of Latest Publication: 12.12.2023.
- Publications in BR IFIC Space:** 2 API, 6 COORDINATION, 4 NOTIFICATION, 1 OTHER. Earliest Publication Date: 07.06.2016; Latest Publication Date: 12.12.2023.
- Related Notices Information:** A table with columns Notice ID, Provision, and Notice Date of Receipt. Notices include Coordination (116520450, 9.6, 19.05.2023), Notification (122500123, 11.2, 27.07.2022), and Other Special Section (121590062, RS49, 14.09.2021).
- Network Structure Navigation:** A bar chart showing frequency ranges for Emission (Tx), Reception (Rx), and Inter-Satellite Link (ISL).
- Overview of Emissions Characteristics:** 5 SERVICES.
- Coordination Requirements & Examination Results:** 0 AFFECTED ADMINISTRATIONS, 0 UNFAVORABLE FINDINGS.
- Due Diligence Information:** Resolution 49.
- Associated Stations:** 60 EARTH STATIONS, 0 SPACE STATIONS.
- Resolution 4:** 50 MAX. PERIOD OF VALIDITY (years).

At the bottom, there is a login section with a 'BETA | FEEDBACK' button and a 'Login' button. A note states: 'For TIES users, login with your TIES username, or using ITU_ERSC\username. For BR staff, login with your ITU email, or using ITU_USERS\username'. A footer note says: 'The bookmarks of your Staff and TIES are the s... X'.

Public 3 cards

TIES account 5 cards



NEW in ITU SpaceExplorer

Public 3 cards – click for more information

Identity

Satellite Network Name: SMMSAT-7R


Satellite Network Previous Name: —

Administration: S (Sweden)

Network Organization: —

Space Plan/Non-Plan Bands: Non-Plan

Type of Satellite Network: Geostationary (159° East)



Regulatory Status Tracking

Active Status: Active

In Master Register (MIFR): Yes

Period of validity (years): 50

Date of Bringing into Use: No

Suspension of Use: Partially

Date of Receipt of First Submission: 19.05.2016

Earliest Regulatory Date Limit to Bring into Use: 19.05.2023

BR IFIC Date of Latest Publication: 12.12.2023

Publications in BR IFIC Space

2 API	6 COORDINATION
4 NOTIFICATION	1 OTHER

Earliest Publication Date: 07.06.2016

Latest Publication Date: 12.12.2023





NEW in ITU SpaceExplorer

Public 3 cards – click for more information



Identity Regulatory Status Tracking Publications in BR IFIC Space

Satellite Network SMMSAT-7R Active Status: Active

Name: In Master Register (MIFR): Results: 13

Period of validity (years): Date of Bringing into Use: Export

Satellite Name > Identity

SMMSAT-7R
Geostationary (159° East)

Export

Satellite Network Name: SMMSAT-7R

Satellite Network Previous Name: —

Administration: S (Sweden)

Network Organization: —

Responsible Administration:

- SWEDISH POST AND TELECOM AGENCY (PTS)
P.O. BOX 5398
S-102 49 STOCKHOLM
TELEFAX +46 8 6785505
TELEX 054 40777 RADCON S

Operator:

- V3GS COMMUNICATIONS SWEDEN AB

Space Plan/Non-Plan bands: Non-Plan

Type of Satellite Network: Geostationary (159° East)

Satellite Name > Regulatory Status Tracking

SMMSAT-7R, S
Geostationary (159° East)

Export

Active Status: Active

In Master Register (MIFR): 24.01.2023

Period of validity: 50 years

Date of Bringing into Use: 18.05.2021

Suspension: 19.08.2021

Resumption Process: No

Date of Receipt of First Submission: 19.05.2016

Date Limit to Bring into Use: 19.05.2023

BR IFIC Date of Latest Publication: 12.12.2023

CLOSE

Satellite Name > Publications in BR IFIC Space

SMMSAT-7R, S
Geostationary (159° East)

Results: 13 Export

SNS Notice ID	Satellite Network Name	Notice Date of Receipt	BR IFIC Publication	BR IFIC Publication Special Section	BR IFIC Publication Revision	Removal From SNS Database	Link to BR IFIC Database	BR IFIC/WIC Number	BR IFIC/WIC Data
	SMMSAT-7R	19.05.2023	CR/C/4311	4311	M3			3011	12.12.2023
	SMMSAT-7R	27.07.2022	PART II-S					2988	24.01.2023
	SMMSAT-7R	27.07.2022	PART I-S					2985	29.11.2022
	SMMSAT-7R	14.09.2021	PART III-S					2964	08.02.2022
	SMMSAT-7R	14.09.2021	PART I-S					2958	02.11.2021
	SMMSAT-7R	14.09.2021	RES49/2398	2398				2957	19.10.2021
	SMMSAT-7R	19.05.2016	API/A/11738	11738	M1			2953	24.08.2021
	SMMSAT-7R	27.12.2016	CR/C/4311	4311	M2			2953	24.08.2021
	SMMSAT-7R	27.12.2016	CR/D/3411	3411				2862	23.01.2018
	SMMSAT-7R	27.12.2016	CR/E/1458	1458				2861	09.01.2018
	SMMSAT-7R	27.12.2016	CR/C/4311	4311	M1			2850	25.07.2017
	SMMSAT-7R	27.12.2016	CR/C/4311	4311				2847	13.06.2017
	SMMSAT-7R	19.05.2016	API/A/11738	11738				2821	07.06.2016

Card on Network Structure Navigation

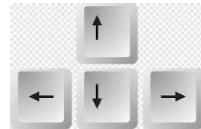


- detailed information

Filter here or on headers to select useful information to your exploration

2 options for navigating through the rows of the table and changing levels in the structure: **Beams > Group > Assignment**

- (1) Click here OR
- (2) Use the key board arrows



Click to view and navigate all **GIMS** images

Click to view the list of **countries** in the Service Area

Click to **antenna pattern** when available

Satellite Name > Notice > Network Structure Navigation > Beams
SMMSAT-7R_S 122500123
Geostationary (150° East) Notification

Search by Beam Name Results: 14/14

To Group	Beam Name	E/R	Freq. Min (MHz)	Freq. Max (MHz)	Freq. Gaps	Steerable Beam	Polarizations	Power Density Max (dBW/Hz)	Gain Max	Pointing Accuracy	Earth Station Min. Antenna Diameter (m)	GIMS Image	Countries in Service Area	Antenna Pattern (PDF) and Type
	1KADR		17 700	20 200	No	Y	CL CRM	-57.8	46	0.1			66	
	D01Y		17 700	20 200	No	Y	CL CRM	-56.9	45	0.1			66	
	D04N		17 700	20 200	No	Y	CL CRM	-45.9	23	0.3			66	
	D06N		17 700	20 200	No	Y	CL CRM	-63.9	41	0.3			66	
	D08N		17 700	20 200	No	Y	CL CRM	-30.9	3	0.3			66	
	D15N		17 700	20 200	No	Y	CL CRM	-22.5	23	0.3			66	
	D17L		17 700	20 200	No	Y	CL CRM	-49.1	45	0.1			66	
	D18N		17 700	20 200	No	Y	CL CRM	-52.8	41	0.3			66	
	KAR		17 700	20 200	No	Y	CL CRM	-49.1	45	0.1			66	
	KAC		27 500	30 000	No	Y	CL CRM	-44	45	0.1			66	
	U01N		27 500	30 000	No	Y	CL CRM	-21.1	3	0.3			66	

Card on Overview of Emissions Characteristics



- detailed information

3 tabs to display the same information as in SNS on line

Filter here or on headers to select useful information

Satellite Name > Notice > Overview of Emissions Characteristics
SMMSAT-7R, S 122500123
Geostationary (159° East) Notification

Emissions				Receive Beams		Transmit Beams		
Filter by Beam Name				Results (Beams): 5/5		Reset Filters Export		
Frequencies				Receive Beams				
Freq. (MHz)	Bandwidth (kHz)	Freq. Band (MHz)	Class of Station	KAR	U01N	U03N	U07U	U09Y
27'530	60'000	27'500 - 27'560	EC					x
27'550	100'000	27'500 - 27'600	EC				x	
27'570	60'000	27'540 - 27'600	EC					x
27'590	60'000	27'560 - 27'620	EC					x
27'630	60'000	27'600 - 27'660	EC					x
27'650	100'000	27'600 - 27'700	EC				x	
27'650	60'000	27'620 - 27'680	EC					x
27'690	60'000	27'660 - 27'720	EC					x
27'710	60'000	27'680 - 27'740	EC					x
27'750	100'000	27'700 - 27'800	EC				x	
27'750	60'000	27'720 - 27'780	EC					x



Card on Coordination Requirements & Examination Results

7 tabs to display and filter requirements

Satellite Name > Notice > Coordination Requirements & Examination Results
SMMSAT-7R, S 122500123
Geostationary (159° East) Notification

Introduction	Commitments	Table I Summary of Coordination Requirements	Table II Affected Administrations	Affected Networks	Frequencies and Proposed Findings	Frequency Use Under RR Article 4.4
Freq. Min (MHz)		Service		Finding		Results (Rows): 343/343
Freq. Max (MHz)						
Frequency (MHz)	E/R	Bandwidth (KHz)	Class of Station	Finding	Remark	
17'750	⊕	100'000	EC	A-	11.41,5.517	
17'750	⊕	100'000	EC	A-		
17'850	⊕	100'000	EC	A-	11.41	
17'850	⊕	100'000	EC	A-		
17'900	⊕	400'000	EK,ER	A-	11.41	
17'900	⊕	400'000	EK,ER	A-		
17'950	⊕	100'000	EC	A-	11.41	
17'950	⊕	100'000	EC	A-		
17'950	⊕	300'000	EC	A-	11.41	



Card on Associated Stations

2 tabs to display and filter
As in SNS online

Link to the PDF with
details of the
Antenna Pattern

Satellite Name > Notice > Associated Stations
SMMSAT-7R, S 122500123
Geostationary (159° East) Notification

Associated Earth Stations **Associated Space Stations**

Search by Station Name

Results: 822/822

Reset Filters

Export

Best fit data

Station Name	Country	Station Type	Longitude (Degrees)	Latitude (Degrees)	Group ID	Antenna Pattern (PDF) and Type	Noise Temperature (Kelvin)	Max. Isotropic Gain (dB)	Beamwidth (Degrees)	Previous Station Name	Class of Station	Nature of Service
0.33M		T			122711692	A-25*LOG(FI)		37	2.41		TC	CP
0.33M		T			122711698	A-25*LOG(FI)		37	2.41		TC	CP
0.33M		T			122711704	A-25*LOG(FI)		37	2.41		TC	CP
0.33M		T			122711710	A-25*LOG(FI)		37	2.41		TC	CP



Card on Due Diligence Information

2 tabs to display
Information and
frequencies

Satellite Name > Notice > Due Diligence Information Export

SMMSAT-7R, 5 121590062 Rev. 49
Geostationary (159° East) Link: 116520450

Due Diligence Information Frequency Bands Associated

Commercial Satellite Name: **HYLAS-1**

SPACECRAFT MANUFACTURER		LAUNCH SERVICES PROVIDER	
Manufacturer Name:	EADS ASTRIUM	Name of the Launch Vehicle Provider:	ARIANESPACE
Date of Execution of the Contract:	01.03.2006	Date of Execution of the Contract:	25.06.2009
Contractual Delivery Window:	from 01.09.2008 to 01.10.2010	Launch or In-Orbit Delivery Window:	from 01.03.2010 to 30.11.2010
Number of Satellites Procured:	1	Name of the Launch Vehicle:	ARIANE 5
		Launch Facility:	KOUROU
		Country:	GUF
		Geographical Coordinates:	52° W 43' 47"; 5° N 12' 0"



Card on Resolution 4 Information

Satellite Name > Notice > Resolution 4

SMM5AT-7R, S

122500123

Geostationary (159° East)

Notification

Beam Name Results: 680/680 Reset Filters Export Best fit data

Beam Name	E/R	Group ID	Freq. Min. (MHz)	Freq. Max. (MHz)	A2a. Date of Bringing into Use	A2b. Period of Validity (Years)
1KADR	☑	122711045	17700	18200	18.05.2021	50
1KADR	☑	122711046	17700	18200	18.05.2021	50
1KADR	☑	122711047	17700	18200	18.05.2021	50
1KADR	☑	122711048	17700	18200	18.05.2021	50
1KADR	☑	122711049	18200	18700	18.05.2021	50
1KADR	☑	122711052	18200	18700	18.05.2021	50
1KADR	☑	122711055	18200	18700	18.05.2021	50
1KADR	☑	122711058	18200	18700	18.05.2021	50
1KADR	☑	122711059	18700	19700	18.05.2021	50
1KADR	☑	122711056	18700	19700	18.05.2021	50
1KADR	☑	122711053	18700	19700	18.05.2021	50

View Lists of Earth Stations

Expand each groups of filters to select the intended list of stations with criteria

And, if you wish, modify criteria previously input in the Home page

Sort columns and features on the list

Home > Networks Explorer > Earth Stations

Up to latest BR IFIC No 3021 / 14.05.2024

Identity

Frequency Characteristics

Regulatory Process

Regulatory Dates

Open Dashboard	SNS Notice ID	Notifying Adm / Network Org	Earth Station Name	Country	Geographical Latitude (Degrees)	Geographical Longitude (Degrees)	Satellite Network Name Associated	Satellite Network Notifying Adm / Network Org	GSO Location East (+) or West (-)(Degrees)	Plan/Non-Plan	Notice Type	Notification Reason	BR IFIC Part	Notice Date of Receipt	Number of Freq. Bands
	123505362	GRC	EMBASSY RUS	GRC	38.0172	23.7694	EXPRESS-2B	RUS	-14.00	Non-Plan	S	N	Part II-S	04.10.2023	10
	123505363	GRC	EMBASSY RUS	GRC	38.0172	23.7694	EXPRESS-2	RUS	-14.00	Non-Plan	S	N	Part II-S	04.10.2023	2
	123505366	GRC	OTE KDE NEMEA	GRC	37.845	22.6217	IINMARSAT-S4-R	G	39.00	Non-Plan	S	N	Part II-S	03.11.2023	2
	123505367	USA	SIoux FALLS SD	USA	43.7361	-96.6225	LANDSAT-9	USA		Non-Plan	S	N	Part II-S	08.11.2023	3
	123505372	CPV	GSO-RELAY-33.5E	CPV	14.9147	-23.5186	CHINASAT-E-33.5E	CHN	33.50	Non-Plan	S	N	Part II-S	04.12.2023	4
	123505373	USA	HIBLEO-CHANDLER	USA	33.2781	-111.89	HIBLEO-2FL2	USA		Non-Plan	S	N	Part III-S	04.12.2023	2
	123505376	USA	HIBLEO-TOBYHANNA	USA	41.1869	-75.4186	HIBLEO-2FL2	USA		Non-Plan	S	N	Part II-S	04.12.2023	2
	123505377	USA	HIBLEO-WAHIWA	USA	21.5192	-158.0169	HIBLEO-2FL2	USA		Non-Plan	S	N	Part II-S	04.12.2023	2
	123515060	USA	HIBLEO-TOBYHANNA	USA	41.1869	-75.4186	HIBLEO-2FL2	USA		Non-Plan	S	N	Part III-S	04.12.2023	2
	123515061	USA	HIBLEO-WAHIWA	USA	21.5192	-158.0169	HIBLEO-2FL2	USA		Non-Plan	S	N	Part III-S	04.12.2023	2

Results: 6/834

Rows per page: 10 Results: 6/821-6/830 of 6/834 Page: 683 / 684

Available: Dashboard to view the detailed information of a selected station

View Lists of Radio Astronomy Stations

The screenshot shows the ITU Space Explorer interface for Radio Astronomy stations. The top navigation bar includes 'ITU Space Explorer', 'Networks Explorer', 'Special Explorer', 'Temporary Explorer', 'My Space Explorer', and 'Query Builder'. A 'BETA | FEEDBACK' button is also present. The breadcrumb trail is 'Home > Networks Explorer > Radio Astronomy'. The main content area is divided into a left sidebar and a main table.

Left Sidebar (Identity):

- Section: Identity
- Explore Radio Astronomy Stations by
- Space Network System (SNS): BR Space Publications
- Radio Astronomy Station filters:
 - Notifying Administration (dropdown)
 - Radio Astronomy Station Name (dropdown)
 - Country (dropdown)
 - Latitude (Decimal Degrees): From [] To []
 - Longitude (Decimal Degrees): From [] To []
 - APPLY button
- Frequency Characteristics (dropdown)
- Regulatory Process (dropdown)
- Regulatory Dates (dropdown)

Main Table:

Actions: Hide Filters, Save/Share, Export, Show Hints, Reset Filters. Results: 299

Open Dashboard	SNS Notice ID	Notifying Adm	Radio Astronomy Station Name	Country	Geographical Latitude (Degrees)	Geographical Longitude (Degrees)	Notice Date of Receipt	Number of Freq. Bands
	120505172	USA	FORTALEZA	B	-3.8778	-58.4258	19.08.2020	4
	120505174	BEL	HUMAIN_ANT34	BEL	50.1917	5.2575	28.08.2020	3
	120505175	BEL	HUMAIN_ANT6M	BEL	50.1919	5.2533	28.08.2020	5
	120505176	BEL	HUMAIN_SPADE	BEL	50.1919	5.2528	28.08.2020	4
	121505175	LVA	LOFAR-LV614	LVA	57.5569	21.8558	17.05.2021	2
	90505020	D	EFFELSBERG	D	50.5247	6.8836	24.06.2021	35
	119505016	D	GOW/WETZELL TTW1	D	49.1439	12.8778	02.07.2021	3
	121505199	AFS	SKA CORE	AFS	-30.7128	21.4436	30.07.2021	1
	121505200	AFS	SKA107	AFS	-30.7225	21.5975	30.07.2021	1
	121505201	AFS	SKA113	AFS	-30.7364	21.3917	30.07.2021	1

Results: 299. Rows per page: 10. Results: 231-240 of 299. Page: 24 / 30

Sort columns and features on the list are available

Expand groups of filters to select the intended list of stations with criteria

And, if you wish, modify criteria previously input in the Home page

Available: Dashboard view of a selected station

Other explorations available:

- *Special Explorer*
- *My Space Explorer*
- *Query Builder*



Networks Explorer

Special Explorer

Temporary Explorer

My Space Explorer

Query Builder

BETA | FEEDBACK



Sign In

NEW



Special Explorer

NEW: Special Explorer

2 Special
Explorations
available
On click



ITU Space Explorer

Networks Explorer | **Special Explorer** | Temporary Explorer | My Space Explorer | Query Builder

BETA | FEEDBACK

Home > Special Explorer

Up to latest BR IFIC No 3021 / 14.05.2024

Contacts and Operating Agencies (BR IFIC Preface Table 12)

Search the responsible administrations, operating agencies and network organizations

GO

Application of Radio Regulations Article 4.4

Administrations of the Member States shall not assign to a station any frequency in derogation of either the Table of Frequency Allocations in this Chapter or the other provisions of these Regulations, except on the express condition that such a station, when using such a frequency assignment, shall not cause harmful interference to, and shall not claim protection from harmful interference caused by, a station operating in accordance with the provisions of the Constitution, the Convention and these Regulations.

GO

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NEW: Special Explorer

1. Search contact information on Administrations and Operators



ITU Space Explorer | Networks Explorer | **Special Explorer** | Temporary Explorer | My Space Explorer | Query Builder | BETA | FEEDBACK

Home > Special Explorer > Contacts Up to latest BR IFIC No 3021 / 14.05.2024

Please find below the lists of contacts of Responsible Administrations, related Operator Agencies and Network Organizations

Responsible Administrations (262) | Operating Agencies (9124) | Network Organizations (11)

Administration		Address	
Symbol	Name	Code	Address
ABW	Aruba	A	MINISTRY OF ECONOMIC AFFAIRS, AGRICULTURE AND INNOVATION, RADIO COMMUNICATIONS AGENCY P.O. BOX 450, 9700 AL GRONINGEN PHONE: +31 50 58 77 555 EMAIL: info@agentschaptelecom.nl TELEFAX: +31 50 58 77 400
ABW	Aruba	B	DIRECTIE TELECOMMUNICATIE ZAKEN RUMBASTRAAT 19 ORANJESTAD TELEFAX: +297 582 5307 PHONE: +297 582 6069 EMAIL: diirtelza@setarnet.aw
			MINISTRY OF COMMUNICATIONS

NEW: Special Explorer

2. Search use of Article 4.4

Filters to select
notices

Detailed data in
the DashBoard
of the
network/system

ITU Space Explorer

Networks Explorer Special Explorer Temporary Explorer My Space Explorer Query Builder

Home > Special Explorer > Application of Article 4.4 Up to latest BR IFIC No 3021 / 14.05.2024

List of Notices with information on application of Article 4.4 of the Radio Regulations on frequency bands

Notifying Administration Network Organization Countries Search Name X

Space Stations (759) Earth Stations (102) Radio Astronomy (123)

SNS Notice ID	Notifying Adm. / Network Org.	Satellite Network Name	GSO Location East (+) or West (-) (Degrees)	Notice Type	Notification Reason	Provision	Plan/ Non-Plan	Notice Date of Receipt	Number of Freq. Bands With Article 4.4 Applied	Open Notice Dashboard on Art.4.4
104500382	G	SKYNET-4M	-34.00	G	N	11.2	Non-Plan	07.08.2007	1	Open Dashboard
93500012	RUS	METEOR-3M		N	A	9.1/IA	Non-Plan	28.04.2007	2	Open Dashboard
105500237	J	INDEX-1		N	N	11.2	Non-Plan	23.02.2007	1	Open Dashboard
99500160	USA	HIBLEO-4FL		N	N	11.2	Non-Plan	22.12.2006		
97500289	USA	EOS AM		N	N	11.2	Non-Plan	18.12.2006		
96500515	USA	INTNL SPACE STN ACS		N	N	11.2	Non-Plan	18.12.2006		
95500118	USA	P92-1		N	N	11.2	Non-Plan	18.12.2006		
95500119	USA	P92-2		N	N	11.2	Non-Plan	18.12.2006		
96500376	USA	XTE		N	N	11.2	Non-Plan	18.12.2006		
90500592	RUS	POTOK-2	80.00	G	N	11.2	Non-Plan	25.10.2006		
106540548	J	GOSAT		N	A	9.1/IA	Non-Plan	18.10.2006		
100500051	J	ASTRO-E		N	N	11.2	Non-Plan	06.10.2006		
103500082	I / GLS	GALILEO-M-NAVSTAR		N	N	11.2	Non-Plan	23.02.2006	1	Open Dashboard
105500657	INS	LAPAN-TUBSAT		N	N	11.2	Non-Plan	26.01.2006	1	Open Dashboard

General overview of frequency bands with Article 4.4 applied

Min Frequency Max

Emission (Tx) 1'166.2 MHz 5'030 MHz

Reception (Rx) 406 MHz 5'010 MHz

Inter-Satellite Link (ISL)

Note: Please use the link ["Open Dashboard"](#) for further details

Visualization of frequency bands

NEW



My Space Explorer

**Save and Manage easily
your personal queries**

NEW: My Space Explorer

To save your favorite queries

First
In Networks Explorer
Save your query

with your filters selection

2. Save your filter criteria to My Space Explorer

1. In Networks Explorer Login as TIES user

3. Name your query and save
When you set it as public, no login is needed to view the query saved

The screenshot shows the ITU Space Explorer interface. The top navigation bar includes 'ITU Space Explorer', 'Networks Explorer', 'Special Explorer', 'Temporary Explorer', 'My Space Explorer', and 'Query Builder'. A 'BETA | FEEDBACK' button is also present. The main content area displays a table of satellite network data with columns for 'Open Dashboard', 'SNS Notice ID', 'Notifying Adm. / Network Org.', 'Satellite Network Name', 'GSO Location', 'Notice Type', 'Notification Reason', 'Provision', 'Plan/ Non-Plan', 'Notice Date of Receipt', and 'Number of Freq. Bands'. A 'Save Bookmark to My Space Explorer' dialog box is overlaid on the table, containing a title field with the text 'MyQuery S GEO Non-Plan' and a checkbox for 'Set as Public (no login needed to view)'. A blue arrow points from the dialog to the 'My Space Explorer' menu item in the top navigation bar.

Open Dashboard	SNS Notice ID	Notifying Adm. / Network Org.	Satellite Network Name	GSO Location East(+) or West(-) (Degrees)	Notice Type	Notification Reason	Provision	Plan/ Non-Plan	Notice Date of Receipt	Number of Freq. Bands
<input checked="" type="checkbox"/>	98590403	S	112593015	150	Geostationary		2000010	Non-Plan	2000-01-01	6
<input checked="" type="checkbox"/>	98590401	S / NOT	112593015	150	Geostationary		2000010	Non-Plan	2000-01-01	6
<input checked="" type="checkbox"/>	104590027	S	112593015	150	Geostationary		2000010	Non-Plan	2000-01-01	1
<input checked="" type="checkbox"/>	107590007	S	112593015	150	Geostationary		2000010	Non-Plan	2000-01-01	6
<input checked="" type="checkbox"/>	104500472	S	112593015	150	Geostationary		2000010	Non-Plan	2000-01-01	10
<input checked="" type="checkbox"/>	108501081	S	112593015	150	Geostationary		2000010	Non-Plan	2000-01-01	1
<input checked="" type="checkbox"/>	110590015	S	112593015	150	Geostationary		2000010	Non-Plan	2000-01-01	8
<input checked="" type="checkbox"/>	112593004	S	112593015	150	Geostationary		2000010	Non-Plan	2000-01-01	1
<input checked="" type="checkbox"/>	112593005	S	112593015	150	Geostationary		2000010	Non-Plan	2000-01-01	1
<input checked="" type="checkbox"/>	113590059	S	112593015	150	Geostationary		2000010	Non-Plan	2000-01-01	11

Go to
My Space
Explorer

NEW



My Space Explorer

Then
Manage easily your saved
personal queries

With the bookmarks
private and public

The screenshot shows the 'My Space Explorer' interface. At the top, there is a navigation bar with the ITU logo and 'Space Explorer' text. To the right of the logo are links for 'Networks Explorer', 'Special Explorer', 'Temporary Explorer', 'My Space Explorer' (which is highlighted), and 'Query Builder'. Further right, there are 'BETA' and 'FEEDBACK' buttons, and icons for refresh, help, and user profile. Below the navigation bar, the breadcrumb 'Home > My Space Explorer' is visible, along with a version update notice: 'Up to latest BR IFIC No 3021 / 14.05.2024'. A small text box explains: 'Use My Space Explorer to save and share bookmarks of queries. Only the query (choice of filters) is saved, not the data (use Export function to save a snapshot of data). Bookmarks can be shared with TIES users and ITU Staff.' The main interface is divided into a left sidebar and a main content area. The sidebar contains a search bar 'Search bookmark titles' and a list of categories: 'Favorite Bookmarks (1) ★', 'From Space Stations (2)', 'From Earth Stations (0)', 'From Radio Astronomy (0)', 'From Query Builder (0)', 'Received Shared Bookmarks (0) ✉', and 'Public Bookmarks (0) ⏪'. The main content area is titled 'Favorite Bookmarks' and displays a list of saved queries. The first query is 'THA Notification GSO'. Below it, under the heading 'From Space Stations', there are two more queries: 'BR IFIC' and 'MyQuery S GEO Non-Plan'. Each query card includes a star icon, an envelope icon, a left arrow icon, and a vertical ellipsis icon. At the bottom right, a green notification banner states: 'Bookmark successfully saved. Share bookmarks in ✕'.

NEW



Query Builder

Query Builder

First Login with your TIES account

2. Select data

3. Filter data

The screenshot displays the ITU Space Explorer Query Builder interface. The top navigation bar includes the ITU logo, 'Space Explorer', and various explorer options: Networks Explorer, Special Explorer, Temporary Explorer, My Space Explorer, and Query Builder. A 'BETA | FEEDBACK' button is also present. The main content area shows the 'Query Builder' page with a breadcrumb 'Home > Query Builder' and a version notice 'Up to latest BR IFIC No 3021 / 14.05.2024'. A disclaimer states that the tool only accesses the Space Networks System (SNS) database and that query performance may vary based on filters. Below this, the 'Select Data Items' panel is active, showing a search bar and a list of fields from the 'com_el' table. The 'Notice Id' field is selected. To the right, a table of results is displayed with columns for various fields and 10 rows of data. Below the table, there are controls for 'Results: 10'126', 'Rows per page: 10', and 'Page: 1 / 1'013'. At the bottom, there are links for 'Privacy Notice', 'Support', and 'Help', along with a footer containing the version and copyright information.

Home > Query Builder Up to latest BR IFIC No 3021 / 14.05.2024

Query Builder can access only the Space Networks System (SNS) database, i.e. the active networks. For BR Space Publications, please use the Networks Explorer. Please note that depending on the combination of data items and filters selected, query performance can vary, taking minutes to execute. Limit the number of data items or apply filters (e.g. include an Administration) to limit execution time. By default, the "Identity > Notifying Administration" filter has been pre-filled according to the information in your Staff/TIES account.

Select Data Items

Search Fields: 10/20

Description	Field Name
Table com_el	
<input checked="" type="checkbox"/> Notice Id	ntc_id
<input checked="" type="checkbox"/> Target notice Id	tgt_ntc_id
<input checked="" type="checkbox"/> Administration	adm
<input checked="" type="checkbox"/> Network organization	ntwk_org
<input checked="" type="checkbox"/> Satellite name	sat_name
<input checked="" type="checkbox"/> Longitude	long_nom
<input checked="" type="checkbox"/> Notice type	ntc_type
<input checked="" type="checkbox"/> Provision	prov
<input checked="" type="checkbox"/> Reason	ntf_rsn
<input checked="" type="checkbox"/> Date of receipt (notice level)	d_rcv

APPLY

Identity

Type of Satellite Network

Frequency Characteristics

Regulatory Process

Results: 10'126

Rows per page: 10 Results: 1-10 of 10'126 Page: 1 / 1'013

com_el_ntc_id	com_el_tgt_ntc_id	com_el_adm	com_el_ntwk_org	com_el_sat_name	com_el_long_nom	com_el_ntc_type	com_el_prov	com_el_ntf_rsn	com_el_d_rcv
117545272		KEN		1KUN5-PF		N	9.1/IA	A	10.02.2017
117500158		KEN		1KUN5-PF		N	11.2	N	16.11.2017
117545435		CHN		2MBM-SAT		N	9.1/IA	A	16.11.2017
118500079		CHN		2MBM-SAT		N	11.2	N	06.08.2018
118545042		E		SCAT4		N	9.1/IA	A	07.03.2018
118545224		E		SCAT5B		N	9.1/IA	A	29.11.2018
119500172		E		SCAT5B		N	11.2	N	14.02.2020
118590048		LIE		SECOM-1		N	RS49	U	05.12.2018
120500155		LIE		SECOM-1		N	11.2	N	09.07.2020
114520266		LIE		SECOM-1		N	9.6	C	10.06.2021

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Support Contact: ITUSpaceExplorer@itu.int

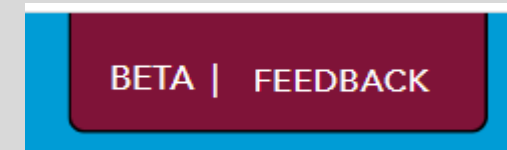
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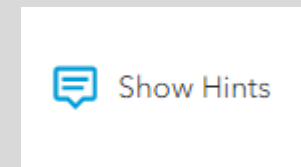
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-- The ITU SpaceExplorer Team



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