



Space
Explorer

Networks Explorer

Special Explorer

Temporary Explorer

My Space Explorer

Query Builder

ITU SpaceExplorer

V.0.15.4 **Pilot Phase 1 with main features available and
Special Explorer on 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, 'Space Explorer', 'Networks Explorer', 'Special Explorer', 'Temporary Explorer', 'My Space Explorer', and 'Query Builder'. A 'BETA | FEEDBACK' button is on the right, along with a search icon, a help icon, and a 'Login' link. The main content area has a breadcrumb 'Home > Networks Explorer' and a version notice 'Up to latest BR IFIC No 2997 / 30.05.2023'. 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 and earth station filings'. A 'Disclaimer' section follows, stating: 'This version is a pilot. The number of combinations of filters is very large and the results obtained may be inaccurate. If you identify a difference from the expected result, you are encouraged to report it to ITUSpaceExplorer@itu.int'. Below this is the 'Explore by' section, which shows statistics: '1'919 GSO notices in MIFR, 677 Non-GSO notices in MIFR, 9'989 total notices to explore in SNS. Up to latest BR IFIC No /'. There are two tabs: 'Space Network System (SNS)' and 'BR Space Publications'. Under 'Space Network System (SNS)', there are three dropdown filters: '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 the 'Explore by' section, there is a field for 'SNS Notice ID' and a 'GO' button. The footer contains 'Privacy Notice', 'Support', 'Help', 'Up to latest BR IFIC No 2997 / 30.05.2023', and '© 2023 ITU All Rights Reserved'. Two red text boxes with blue borders are overlaid on the page. The first box, located in the upper right, contains the text: 'NOW available to search contacts of Administrations and Operators And use of Article 4.4'. The second box, located in the lower right, contains the text: 'NOW available: 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'. Blue lines with arrows point from the text boxes to the corresponding search filters and buttons on the website interface.

Home > Networks Explorer

Up to latest BR IFIC No 2997 / 30.05.2023

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 and earth station filings

Disclaimer
This version is a pilot. The number of combinations of filters is very large and the results obtained may be inaccurate. If you identify a difference from the expected result, you are encouraged to report it to ITUSpaceExplorer@itu.int

Explore by
1'919 GSO notices in MIFR, 677 Non-GSO notices in MIFR, 9'989 total notices to explore in SNS.
Up to latest BR IFIC No /

Space Network System (SNS) BR Space Publications

Notifying Administration Network Organization Satellite Network Name

Search All Space Stations Search Earth Stations Search Radio Astronomy Search Space Stations In Latest BR IFIC

Proceed directly with active SNS Notice ID
SNS Notice ID GO

NOW available to search contacts of Administrations and Operators And use of Article 4.4

NOW available:
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

Privacy Notice Support Help Up to latest BR IFIC No 2997 / 30.05.2023 © 2023 ITU All Rights Reserved

NEW



ITU Space Explorer

**Step by step
introduction**

On the main page you can already:

1. Choose 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 interface. At the top, there is a navigation bar with the ITU logo and links for 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 is titled 'Home > Networks Explorer' and includes a link to 'Up to latest BR IFIC No 2997 / 30.05.2023'. A disclaimer 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 and earth station filings. This version is a pilot. The number of combinations of filters is very large and the results obtained may be inaccurate. If you identify a difference from the expected result, you are encouraged to report it to ITUSpaceExplorer@itu.int'.

The 'Explore by' section displays statistics: '1'919 GSO notices in MIFR, 677 Non-GSO notices in MIFR, 9'989 total notices to explore in SNS. Up to latest BR IFIC No /'. Below this, there are two tabs: 'Space Network System (SNS)' (selected) and 'BR Space Publications'. Under the SNS tab, there are three dropdown filters: 'Notifying Administration', 'Network Organization', and 'Satellite Network Name'. Below the filters 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, there is a section for 'Proceed directly with active SNS Notice ID' with an input field for 'SNS Notice ID' and a 'GO' button. A blue notification banner at the bottom right says 'Welcome to the ITU Space Explorer public Beta...'. The footer contains links for 'Privacy Notice', 'Support', and 'Help', along with the text 'Up to latest BR IFIC No 2997 / 30.05.2023 © 2023 ITU All Rights Reserved'.

For this example

1. Choose 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 groups of filters to select the intended list of networks with criteria
And, if you wish, modify criteria previously input in the Home page

Home > Networks Explorer > Space Stations Up to latest BR IFIC No 2991 / 07.03.2023

Identity Results: 118

Type of Satellite Network

- Geostationary 106 [More filters](#)
- Non-Geostationary 12 [Less filters](#)

Apogee (km)
From To ➤

Perigee (km)
From To ➤

Min. Altitude (km)
From To ➤

Reference Body

Constellation
 Short Duration Mission

[Hide Filters](#)
[Save](#)
[Export](#)
[Show Hints](#)
[Reset Filters](#)

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	Freq. Min (MHz)
🔗	90558176	S	S 00000	5.00	G	P		Plan	16.03.1990	
🔗	93500314	S	SIRIUS	5.20	G	N	5.1.2	Plan	19.04.1993	11'771.52
🔗	93500319	S	SIRIUS	5.20	G	N	5.1.6	Plan	19.04.1993	17'371.52
🔗	96500629	S	TELE-X	5.00	G	N	5.1.2	Plan	06.09.1996	
🔗	96500630	S	TELE-X	5.00	G	N	5.1.6	Plan	06.09.1996	
🔗	96559010	S	SIRIUS-30B	5.00	G	P	6.1	Plan	03.10.1996	
🔗	98580001	S	SIRIUS-2-BSS	5.00	G	U	RS49	Plan	30.06.1998	11'711.48
🔗	98580002	S	SIRIUS-2-BSS	5.00	G	U	RS49	Plan	30.06.1998	
🔗	98590403	S	SIRIUS-2	4.80	G	U	RS49	Non-Plan	30.06.1998	
🔗	98590401	S / NOT	TELE-X	5.00	G	U	RS49	Non-Plan	11.09.1998	

Results: 118 Rows per page: 10 Results: 1-10 of 118 | Page: 1 / 12

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

On the "List View" page for the example:

1. Filter "Non-Plan Only"

2. Filter Geostationary

NEW concept!
Click "details" to view the Dash Board of one network

Space Explorer

itu.int/itu-r/space/apps/qat/spaceexplorer/networks-explorer/list-view

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

BETA | FEEDBACK | Login

Home > Networks Explorer > List View

Up to latest BR IFIC No 2982 / 18.10.2022

Identity

Explore Space Networks or Systems by

Space Network System (SNS) BR Space Publications

Satellite Network

Notifying Administration: S (Sweden)

Network Organization

Satellite Network Name

All | **Non-Plan Only** | Plan Only

Type of Satellite Network

Geostationary

GSO Location (Degrees)

From To

stionary +11

Key Characteristics

ony Process

Results: 43

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
	116523108	£	SMMSAT-BR_1	165.00	G	C	9.6	Non-Plan	27.12.2016
	116520445	£	SMMSAT-2R	-33.50	G	C	9.6	Non-Plan	27.12.2016
	116520446	£	SMMSAT-3R	21.50	G	C	9.6	Non-Plan	27.12.2016
	116520447	£	SMMSAT-4R	31.00	G	C	9.6	Non-Plan	27.12.2016
	116520448	£	SMMSAT-5R	55.00	G	C	9.6	Non-Plan	27.12.2016
	116520449	£	SMMSAT-6R	55.50	G	C	9.6	Non-Plan	27.12.2016
	116520450	£	SMMSAT-7R	159.00	G	C	9.6	Non-Plan	27.12.2016
	116520451	£	SMMSAT-8R	165.00	G	C	9.6	Non-Plan	27.12.2016
	118520315	£	SIRIUS-16W-1	-16.00	G	C	9.6	Non-Plan	18.10.2018
	118520377	£	SIRIUS-5E-9	5.00	G	C	9.6	Non-Plan	14.12.2018

Results: 43

Rows per page: 10

Results: 31-40 of 43

Page: 4 / 5

NEW in ITU SpaceExplorer:

The Dash Board of one network



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 ...

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

Space Explorer SMMSAT-7R

itu.int/itu-r/space/apps/qat/spaceexplorer...

Space Explorer Network Explorer Special Explorer Temporary Explorer My Space Explorer Query Builder BETA | FEEDBACK Login

Home > SMMSAT-7R ©Up to latest BR IFIC No 2982 / 18.10.2022

Identity

Satellite Network: SMMSAT-7R

Satellite Network Name: —

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 (MIR): No

Brought into use: No

Suspension of use: No

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: 08.02.2022

Publications in BR IFIC Space

Earliest Publication Date: 07.06.2016

Latest Publication Date: 08.02.2022

2 API

5 COORDINATION

2 NOTIFICATION

1 OTHER

Related Notices Information

API(0)	Coordination(1)	Notification(0)	Other(1)
Notice ID	Provision	Notice Date of Receipt	
1.116520450	9.6	27.12.2016	

Network Structure Navigation

Min Frequency Max

Emission (Tx): 7'250 MHz - 76'000 MHz

Reception (Rx): 7'900 MHz - 86'000 MHz

Inter-Satellite Link (ISL): MHz - MHz

Overview of Emissions Characteristics

9 SERVICES

Coordination Requirements & Examination Results

31 AFFECTED ADMINISTRATIONS

0 UNFAVORABLE FINDINGS

Due Diligence

Resolution 49: Not Applicable

Associated Stations

165 EARTH STATIONS

0 SPACE STATIONS

Viewing these details requires you to be signed in.

LOGIN

Public 3 cards

TIES account 5 cards



NEW in ITU SpaceExplorer

Public 3 cards – click for more information

Identity

Satellite Network Name: SMMSAT-7R

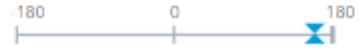
Satellite Network Previous Name: —

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): No

Brought into use: No

Suspension of use: No

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: 08.02.2022

Publications in BR IFIC Space

Earliest Publication Date: 07.06.2016

Latest Publication Date: 08.02.2022

2 API	5 COORDINATION
2 NOTIFICATION	1 OTHER





NEW in ITU SpaceExplorer

Public 3 cards – click for more information



Identity

Satellite Network SMMSAT-7R

Satellite Name > Identity

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)

Regulatory Status Tracking

Active Status: Active

In Master Register (MIFR): No

Brought into use: 19.05.2016

Date of Receipt of First Submission: 19.05.2016

Date limit to bring into use: 19.05.2023

Suspension: No

Resumption process: No

In Master Register (MIFR): No

Publications in BR IFIC Space

Satellite Name > Publications in BR IFIC Space

Results: 10

SNS Notice ID	Satellite Network Name	Notice Date of Receipt	BR IFIC Publication	BR IFIC Publication Special Section	BR IFIC Publication Revision	BR IFIC/WIC Number	BR IFIC/WIC Date	Link to BR IFIC database
1500187	SMMSAT-7R	14.09.2021	PART III-S			2964	08.02.2022	
1500187	SMMSAT-7R	14.09.2021	PART I-S			2958	02.11.2021	
1590062	SMMSAT-7R	14.09.2021	RES49	2398		2957	19.10.2021	
6540580	SMMSAT-7R	19.05.2016	API/A	11738	M 1	2953	24.08.2021	
6520450	SMMSAT-7R	27.12.2016	CR/C	4311	M 2	2953	24.08.2021	
6520450	SMMSAT-7R	27.12.2016	CR/D	3411		2862	23.01.2018	
6520450	SMMSAT-7R	27.12.2016	CR/E	1458		2861	09.01.2018	
6520450	SMMSAT-7R	27.12.2016	CR/C	4311	M 1	2850	25.07.2017	
6520450	SMMSAT-7R	27.12.2016	CR/C	4311		2847	13.06.2017	
6540580	SMMSAT-7R	19.05.2016	API/A	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

Space Explorer | SMMSAT-7R | itu.int/itu-r/space/apps/qat/spaceexplorer/networks-explo... | BETA | FEEDBACK

Satellite Network > Notice > Network Structure Navigation > Beams

Search by Beam Name | Results: 71/71 | Reset Filters | Hide Images | Show Hints | Export | Force Fit Table

Open Dashboard	Beam Name	Transmitting(T) Receiving(R)	Freq. Min (MHz)	Freq. Max (MHz)	Freq. Gaps	Polarization	ERP Density Max (dBW/Hz)	Gain Max	Pointing Accuracy	Earth Station Min. Antenna Diameter (m)	GIMS Image
	1HADR	E	17700	21200	Yes	CLCR,M	-57.8	46	0.1		
	D01Y	E	17700	20200	Yes	CLCR,M	-36.0	45	0.1		
	D04N	E	17700	20200	Yes	CLCR,M	-45.0	23	0.3		
	D06N	E	17700	20200	Yes	CLCR,M	-63.0	41	0.3		
	D08N	E	17700	20200	Yes	CLCR,M	-30.0	3	0.3		
	D15N	E	17700	20200	Yes	CLCR,M	-22.5	23	0.3		
	D172	E	17300	17700	Yes	CLCR,M	-41	45	0.1		
	D17L	E	17700	20200	Yes	CLCR,M	-49.1	45	0.1		
	D18N	E	17700	20200	Yes	CLCR,M	-52.8	41	0.3		
	D18L	E	20200	21200	Yes	CLCR,M	-53.4	50.4	0.15		

The bookmarks of your Staff and TIES are the s... [CLOSE]

Card on Overview of Emissions Characteristics



- detailed information

Satellite Name > Notice > Overview of Emissions Characteristics
SMMSAT-7R 116520450
Geostationary (159 East) Coordination
5

Emissions				Receive Beams												Transmit Beams											
Filter by Beam Name				Results (Beams): 34/34												Reset Filters											
Frequencies																											
Freq. (MHz)	Bandwidth (kHz)	Freq. Band (MHz)	Class of Station	23U27L	SBR	TBR	U01N	U03N	U07U	U09Y	UL1M	UL2M	UN1L	UN1R	UN2L	UN2R	UU2L										
28'850	60000	28'820 - 28'880	EC							x																	
28'890	60000	28'860 - 28'920	EC							x																	
28'910	60000	28'880 - 28'940	EC							x																	
28'950	100000	28'900 - 29'000	EC						x																		
28'950	60000	28'920 - 28'980	EC							x																	
28'970	60000	28'940 - 29'000	EC							x																	
28'987.5	225000	28'875 - 29'100	EC					x																			
29'000	1000000	28'500 - 29'500	EC						x	x																	
29'000	100000	28'950 - 29'050	EC						x																		
29'010	60000	28'980 - 29'040	EC							x																	
29'030	60000	29'000 - 29'060	EC							x																	

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

Filter here or on headers to select useful information



Card on Coordination Requirements & Examination Results

6 tabs to display and filter requirements

Satellite Name > Notice > Coordination Requirements & Examination Results
SMMSAT-7R 122500123
Geostationary (159 East) Notification
5

INTRODUCTION	COMMITMENTS	SUMMARY OF COORDINATION REQUIREMENTS	AFFECTED ADMINISTRATIONS	AFFECTED NETWORKS	LIST OF FREQUENCIES AND PROPOSED FINDINGS
Freq. Min (MHz)		Service		Finding	
Freq. Max (MHz)				Results (Rows): 29/29	
				Reset Filters	
				Export	
Frequency (MHz)	Bandwidth (KHz)	Class of Station	Finding	Remark	
17'750	100'000	EC	Favourable	11.41,5.517	
17'850 -18'750 (10 frequencies)	100'000	EC	Favourable	11.41	
17'900	400'000	EK,ER	Favourable	11.41	
17'950	500'000	EC	Favourable	11.41,5.517	
18'200	1'000'000	EC	Favourable	11.41,5.517	
18'250	300'000	EC,EK,ER	Favourable	11.41	
18'450 -19'450 (3 frequencies)	500'000	EC	Favourable	11.41	
18'500 -18'700 (2 frequencies)	200'000	EC,EK,ER	Favourable	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 122500123
Geostationary (159 East) Notification
S

Associated Earth Stations Associated Space Stations

Search by Station Name

Results: 822/822

Reset Filters Show Hints Export << Default Table Size

Station Name	Country	Station Type	Longitude (Degrees)	Latitude (Degrees)	Group ID	Antenna Type	Antenna Patterns (PDF)	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...			37	2.41		TC	CP
0.33M		T			122711698	A-25*LOG...			37	2.41		TC	CP
0.33M		T			122711704	A-25*LOG...			37	2.41		TC	CP
0.33M		T			122711710	A-25*LOG...			37	2.41		TC	CP
.....		-					--	- ..		--	--

Antenna Pattern Name: APENST806V01



Card on Due Diligence Information

2 tabs to display
Information and
frequencies

Satellite Name > Notice > Due Diligence
SMMSAT-7R 121590062 Rev. 49 Annex 1 §2
Geostationary (159 East) Link: 116520450
5

Export

DUE DILIGENCE INFORMATION FREQUENCY BANDS ASSOCIATED

Commercial satellite name: **HYLAS-1**

SPACECRAFT MANUFACTURER

Manufacturer name: **EADS ASTRIUM**

Date of execution of the contract: **01.03.2006**

Contractual delivery window: **from 01.09.2008 to 01.10.2010**

Number of satellites procured: **1**

LAUNCH SERVICES PROVIDER

Name of the launch vehicle provider: **ARIANESPACE**

Date of execution of the contract: **25.06.2009**

Launch or in-orbit delivery window: **from 01.03.2010 to 30.11.2010**

Name of the launch vehicle: **ARIANE 5**

Launch facility: **KOUROU**

Country: **GUF**

Geographical coordinations: **52° W 43 48; 5° N 12 0**

View Lists of Earth Stations

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

Sort columns and features on the list are available

Home > Networks Explorer > Earth Stations

Up to latest BR IFIC No 3009 / 14.11.2023

Identity

Frequency Characteristics

Regulatory Process

Regulatory Dates

Hide Filters Export Show Hints Reset Filters Results: 6'766

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	Freq. Min (MHz)
	90504708	USA	KAENA POINT	HWA	21.567	-158.283	NAVSTAR GPS	USA		Non-Plan	S	N		23.06.1981	1 781.74
	90504814	USA	BELLEVILLE IL	USA	38.55	-89.85	SAR	USA		Non-Plan	S	N		08.07.1981	1 544.1
	90504815	USA	GREENBELT MD	USA	39	-76.85	SAR	USA		Non-Plan	S	N		08.07.1981	1 544.1
	90504816	USA	KODIAK	ALS	57.683	-152.483	SAR	USA		Non-Plan	S	N		08.07.1981	1 544.1
	90504817	USA	PNT REYES CA	USA	38.1	-122.933	SAR	USA		Non-Plan	S	N		08.07.1981	1 544.1
	90504818	USA	T				SAR	USA		Non-Plan	T	N		08.07.1981	121.497
	90501787	INS	TANJUNGBALEI	INS	1	103.2	PALAPA-B2	INS	113.00	Non-Plan	S	N		02.09.1981	3 702
	90501648	INS	BANDA ACEH	INS	5.55	95.317	PALAPA-B1	INS	108.00	Non-Plan	S	N		02.09.1981	3 702
	90501651	INS	BHAYANG KARA	INS	-2.533	140.717	PALAPA-B1	INS	108.00	Non-Plan	S	N		02.09.1981	3 702
	90501658	INS	GUNUNG BELAH	INS	3.35	117.517	PALAPA-B1	INS	108.00	Non-Plan	S	N		02.09.1981	3 702

Results: 6'766

Rows per page: 10 Results: 1-10 of 6'766 Page: 1 / 677

NOW available: Dashboard view of a selected station

View Lists of Radio Astronomy Stations

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

BETA | FEEDBACK | Sign In

Home > Networks Explorer > Radio Astronomy | Up to latest BR IFIC No 3009 / 14.11.2023

Identity

Explore Radio Astronomy Stations by

Space Network System (SNS) | BR Space Publications

Radio Astronomy Station

Notifying Administration

Radio Astronomy Station Name

Country

Latitude (Decimal Degrees)

From To

Longitude (Decimal Degrees)

From To

APPLY

Hide Filters | Export | Show Hints | Reset Filters | Results: 297

Open Dashboard	SNS Notice ID	Notifying Adm	Radio Astronomy Station Name	Country	Geographical Latitude (Degrees)	Geographical Longitude (Degrees)	Freq. Min (MHz)	Freq. Max (MHz)	Notice Date of Receipt
	90505044	NOR	HARESTUA OBS	NOR	60.217	10.75	199.5	340	01.02.1954
	90505076	USA	HAMILTON MASS	USA	42.633	-70.817	609	2705	01.01.1958
	90505080	USA	MARYLANDPNT MD	USA	38.367	-77.233	1406.905	19400	01.11.1958
	90505071	USA	FT DAVIS TEX	USA	30.633	-103.95	25	5100	06.01.1959
	90505057	S	KIRUNA	S	67.833	20.417	27.585	50.05	01.06.1960
	90505051	HOL	NEDERHORSTBERG	HOL	52.233	5.083	199.675	610.5	01.01.1961
	90505052	RUS	NIRFI ZIMENKY	RUS	56.3	43.95	149.95	2700	01.01.1962
	90505069	USA	DELAWARE OHIO	USA	40.25	-83.033	606	2720	01.01.1962
	90505047	POL	PIWYNICE 1	POL	53.083	18.55	125	129	08.05.1963
	90505068	USA	DANVILLE ILL	USA	40.067	-87.55	73	613	01.06.1963

Results: 297 | Rows per page: 10 | Results: 1-10 of 297 | Page: 1 / 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

NOW available: Dashboard view of a selected station

Other explorations:

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



NEW



Special Explorer

NEW: *Special Explorer*

2 Special Explorations available On click



The screenshot shows the ITU Space Explorer application interface. The top navigation bar is blue and contains the ITU logo, the text "ITU Space Explorer", and several menu items: "Networks Explorer", "Special Explorer" (highlighted), "Temporary Explorer", "My Space Explorer", and "Query Builder". To the right of these items is a red button labeled "BETA | FEEDBACK". Further right are icons for a search, a question mark, and a "Login" link.

Below the navigation bar, the breadcrumb "Home > Special Explorer" is visible on the left, and the text "© Up to latest BR IFIC No 3017 / 19.03.2024" is on the right.

The main content area features two exploration cards:

- 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](#)

A blue notification banner at the bottom of the content area reads: "Welcome to the ITU Space Explorer application...." with an information icon on the left and a close icon on the right.

The footer is dark grey and contains the following text from left to right: "Privacy Notice", "Support", "Help", "Up to latest BR IFIC No 3017 / 19.03.2024", and "© 2024 ITU All Rights Reserved".

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

Home > Special Explorer > Contacts Up to latest BR IFIC No 3009 / 14.11.2023

Please find below the lists of contacts of National Administrations, related Operators and Network Organizations

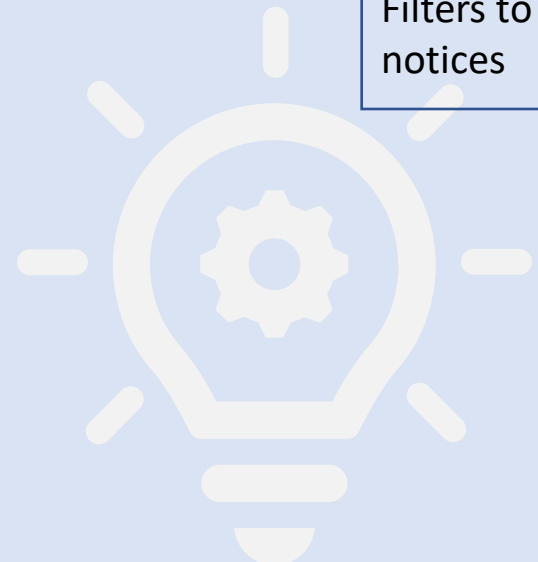
National Administrations | Network Organizations | Search Text X

National Administrations (195) | Operators (9076) | Network Organizations (11)

Administration		Address	
Symbol	Name	Code	Address
AFG	Afghanistan	A	MINISTRY OF COMMUNICATIONS LIAISON AND DOCUMENTS DEPARTMENT INTERNATIONAL ORGANIZATIONS LIAISON SECTION KABUL ISLAMIC STATE OF AFGHANISTAN TELEFAX: +4940 2295 347
ALB	Albania (Republic of)	A	MINISTRY OF TRANSPORTS AND TELECOMMUNICATIONS GENERAL DIRECTORATE OF PT A. TOPTANI STREET TIRANA ALBANIA TELEFAX: +355 4 233 772 PHONE: +355 4 227 204 EMAIL: apostaln@atnet.com.al
ALB	Albania (Republic of)	B	TURK TELEKOMUNIKASYON A.S. SATELLITE COMMUNICATIONS DEPARTMENT ZIRAAT MAHALLESİ TURGUT OZAL BULVARI 06103 ANKARA / TURQUIE TELEFAX: +90 312 2213226 TELEX: 060744371 TGM TR
ALG	Algeria (People's Democratic Republic of)	A	MINISTERE DE LA POSTE ET DES TECHNOLOGIES DE L'INFORMATION ET DE LA COMMUNICATION 04 - BOULEVARD KRIM BELKACEM - 16000 ALGER ALGERIE TELEFAX: +213 21 71 86 93

NEW: Special Explorer

2. Search use of Article 4.4



Filters to select notices

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

Home > Special Explorer > Application of Article 4.4 Up to latest BR IFIC No 3017 / 19.03.2024

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

Notifying Administration: [v] Network Organization: [v] Countries: [v] Search Name: [x] [Export]

Space Stations (762) Earth Stations (102) Radio Astronomy (121)

SNS Notice ID	Notifying Adm. / Network Org.	Satellite Network Name	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
122545040	J	TIRSAT	N	A	9.1/IA	Non-Plan	28.11.2023	2	[icon]
119545025	G	BEEASAT-OC-LS	N	A	9.1/IA	Non-Plan	27.11.2023	5	[icon]
123545140	USA	USBJ	N	A	9.1/IA	Non-Plan	26.11.2023	1	[icon]
123545403	LUX	JARVIS-2	N	A	9.1/IA	Non-Plan	24.11.2023	2	[icon]
123545400	CHN	LUNAR OSCAR II	N	A	9.1/IA	Non-Plan	23.11.2023	2	[icon]
123545356	USA	GENMAT-1	N	A	9.1/IA	Non-Plan	22.11.2023	3	[icon]
121545120	J	LEOMI	N	A	9.1/IA	Non-Plan	17.11.2023	1	[icon]
123545166	USA	VIGORIDE-7	N	A	9.1/IA	Non-Plan	15.11.2023	3	[icon]
123545389	G	CELESTNET-LUNAR	N	A	9.1/IA				
123545390	G	ELSA-M IOD	N	A	9.1/IA				
118545178	USA	EUROPA CLIPPER	N	A	9.1/IA				
123545382	USA	NACHOS-2	N	A	9.1/IA				
123500206	USA	STARLING-1	N	N	11.2				
123545374	CHN	LUNAR LANDER-4A	N	A	9.1/IA				
123545375	CHN	LUNAR ORBITER-4A	N	A	9.1/IA				
123545288	IRN	PARS-1	N	A	9.1/IA				
119545110	NOR	HYSO	N	A	9.1/IA	Non-Plan	31.10.2023	2	[icon]
123545359	USA	KEYW-2	N	A	9.1/IA	Non-Plan	26.10.2023	8	[icon]

General overview of frequency bands with Article 4.4 applied

Min Frequency Max

Emission (Tx) 402.6 MHz 8'230 MHz

Reception (Rx) 402.6 MHz 9'465 MHz

Inter-Satellite Link (ISL) 2'439 MHz 2'441 MHz

Note: Please use the link [icon] "Open Dashboard" for further details

Detailed data in the Dashboard of the notice

Visualization of frequency bands

NEW



My Space Explorer

**Manage easily your
personal queries**

NEW: *My Space Explorer*

To save your
favorite queries

First
In Networks
Explorer
Save your
query

2. Save your filter criteria
to My Space Explorer

3. Click on the tab:
My Space Explorer

1. In **Networks Explorer**
Login as TIES user

Home > Networks Explorer > List View Up to latest BR IFIC No 2981 / 04.10.2022

Identity

Explore Space Networks or Systems by

Space Network System (SNS) BR Space Publications

Satellite Network

Notifying Administration

S (Sweden) X

Network Organization

Satellite Network Name

All Non-Plan Only Plan Only

Hide Filters Save Export Show Hints Reset Filters Results: 43

Details	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
Details	113590059	S	SIRIUS-5E-2	5.00	G	U	R549	Non-Plan	31.01.2013
Details	113593001	S	SIRIUS-5E-2	5.00	G	U	R5552	Non-Plan	31.01.2013
Details	114500015	S	SIRIUS-5E-2	5.00	G	N	11.2	Non-Plan	23.10.2015
Details	112500153	S	SIRIUS-5E	5.00	G	N	11.2	Non-Plan	23.10.2015
Details	109500400	S	SIRIUS-P	5.00	G	N	11.2	Non-Plan	23.10.2015
Details	115520302	S	SMMSAT-2X	-41.00	G	C	9.6	Non-Plan	28.11.2015

NEW



My Space Explorer

Then
Manage easily your
personal queries

Home > My Space Explorer Up to latest BR IFIC No 2981 / 04.10.2022

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.

Search bookmark titles

Favorite Bookmarks (1)★

From Networks Explorer (3)

From Earth Stations (0)

From Query Builder (0)

Received Shared Bookmarks (1)

Favorite Bookmarks

Sweden in SNS database

From Networks Explorer

Sweden in SNS database Sweden in Publication History myquery

From Earth Stations

From Query Builder

Received Shared Bookmarks

Sweden in Publication History

The bookmarks of your Staff and TIES are the s...

NEW



Query Builder

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.

First Login with your TIES account

2. Select data

3. Filter data

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

Hide Filters Save Export Show Hints Reset Filters Results: 28

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
118545152		SUI		ACN		N	9.1/IA	A	31.08.2018
121500092		SUI		ACN		N	11.2	N	30.04.2021
118545028		SUI		ACN-0		N	9.1/IA	A	30.01.2018
120500106		SUI		ACN-0		N	11.2	N	19.05.2020
117520201		SUI		INMARSAT-7-107E5	107.5	G	9.6	C	02.06.2017
117520192		SUI		INMARSAT-7-11W5	-11.5	G	9.6	C	02.06.2017
117520202		SUI		INMARSAT-7-127E5	127.5	G	9.6	C	02.06.2017
117520203		SUI		INMARSAT-7-142E5	142.5	G	9.6	C	02.06.2017
117520193		SUI		INMARSAT-7-18W	-18	G	9.6	C	02.06.2017
117520279		SUI		INMARSAT-7-1E5	1.5	G	9.6	C	25.07.2017

Results: 28 Rows per page: 10 Results: 1-10 of 28 |< < Page: / 3 > >|

Identity

Type of Satellite Network

Frequency Characteristics

Regulatory Process

The bookmarks of your Staff and TIES are the s...

Support Contact: ITUSpaceExplorer@itu.int

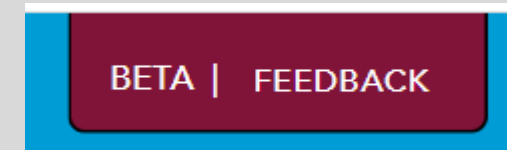
Let us know what you need!

Please give us feedback, so we can implement content that is truly useful and helpful. Thanks!

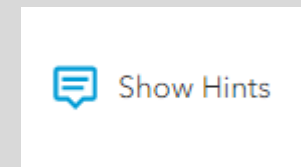
Need an introductory briefing?

Mini-sessions how to use ITU SpaceExplorer are available. **Register:** ITUSpaceExplorer@itu.int

-- The ITU SpaceExplorer Team



On each pages, contact with ITU available by clicking on



Help available by clicking on "Show Hints" when available on pages