



Radiocommunication Bureau (BR)

Circular Letter
CR/512

18 December 2024

To Administrations of Member States of the ITU and ITU-R Sector Members

Subject: **Implementation of Resolution 186 (Rev. DUBAI, 2018) – New web application “ITU SpaceExplorer” aimed at enhancing the exploration of orbital and radio characteristics of satellite systems and publication of data related to space services**

The Radiocommunication Bureau is pleased to report that, in response to *instructs the Director of the Radiocommunication Bureau* 4 of Resolution 186 (Rev. DUBAI, 2018), the new web application called “ITU SpaceExplorer” has become operational on 18 December 2024 and is available on the ITU website:

<https://www.itu.int/go/ITUSpaceExplorer>

This tool is aimed at improving the accessibility and transparency of the information contained in the Master International Frequency Register and related Space Network Systems databases.

This new application introduces a range of enhanced features that will allow users to explore online the data related to satellite networks and space systems, including:

- **Satellite spectrum overview:** you can follow the status of satellite networks, systems or stations, monitor the latest publications of a BR IFIC (Space) or analyze orbit and spectrum occupancy.
- **Comprehensive data access to satellite networks, systems or stations:** you can efficiently search, view, and download data. They are available as “lists” and “dashboards” that provides detailed information on the identity of notices, their regulatory status, publication history, technical characteristics, examination results and coordination requirements (cf. Annex 1).
- **Saving your personal search environment:** the “My Space Explorer” function allows you to save, organize and, if necessary, share your favorite searches.
- **Ad hoc search:** The “QueryBuilder” function guides you on a customized search through the Space Network Systems data.

- **Advance data exploration:** The “*Special Explorer*” function contains more targeted searches of the data created by the Bureau, such as the Contacts and Operating Agencies or the Application of No. 4.4 of the Radio Regulations (cf. Annex 2). The “*Temporary Explorer*” will be dedicated to data analyses created by the Bureau that have a limited period of relevance because they are linked to a specific ITU-R work on WRC agenda item or event.
- **Up-to-date data:** data are updated with each bi-weekly publication of BR IFIC (Space).

Relationship between the ITU SpaceExplorer application and other tools of the Bureau

This new platform aims to replace the features included in the Space Network List “Reference publications” part of SNL online and in the Space Network Systems SNS online, which will be discontinued as part of a systematic review of the Bureau’s space services data access.

To view the full content of publications from a BR IFIC (Space), only the data available in the BR IFIC online application remain valid.

Required knowledge of the Radio Regulations

The ITU SpaceExplorer application is designed for users with an intermediate to advanced level of technical and regulatory knowledge of the Radio Regulations.

To take full advantage of the resources and tools provided by the application, it is recommended that you become familiar with the processing of satellite, earth station or radio astronomy station notices, and with the various types of publications in BR IFICs (Space).

How to get access to the new application

Existing TIES users and subscribers of the previous SNS online system will have full access to the application via the Login function. Users will be guided by messages and assistance in order to make learning this environment easier.

Support and contacts

Should you need assistance with your data exploration, our support team is available at: ITUSpaceExplorer@itu.int. We value your continued trust and support and look forward to your feedback as we work to continually improve the services we provide to our members.

The Bureau trusts that you will find this new platform helpful and remains at your disposal for any clarification or assistance you may require on matters related to this circular letter.

Mario Maniewicz
Director

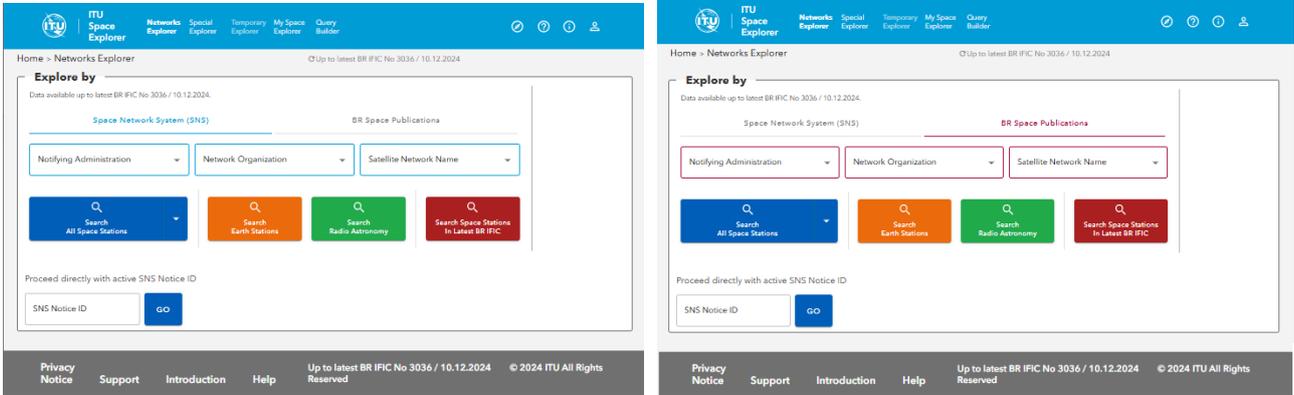
Annexes: 2

Distribution:

- Administrations of ITU Member States
- Members of the Radio Regulations Board
- ITU-R Sector Members

Annex 1: Introduction to ITU SpaceExplorer

On the entry page, the application lets you (1) pre-select which database you wish to explore (**Space Networks System (SNS) in blue** or **BR Space Publication History in red**); you can then (2) select an Administration, an International Organization and/or a satellite network, before (3) clicking to obtain the corresponding list of space stations, earth stations, radio astronomy stations, or the list of the latest BR IFIC publications. If the SNS Notice Identification is known, you can enter it and directly (4) access the data in the form of a Dashboard, which will be opened on a separate web page.



On the list page, filters are available to obtain more specific results. Columns can be sorted. The data in the list can be exported and the selection environment can be saved in “MyExplorer” so that it can be reused in later explorations.

In the list part, the first column gives access to the data of the notice in a separate web page in the form of a Dashboard.

Open Dashboard for Detail	SNS Notice ID	Notifying Admin./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
[icon]	123520179	ARG	SAOCOM-SAR-L		N	C	9.6	Non-Plan	17.11.2023	2
[icon]	123590041	D	ODVISEY-93W	-93.00	G	U	RS49	Non-Plan	17.11.2023	5
[icon]	123554008	E	HISPASAT-5-61W	-61.00	G	B	4.1.3	Plan (AP30A)	17.11.2023	2
[icon]	123520178	E	HISPASAT-5-15Z.5W	-152.50	G	C	9.6	Non-Plan	17.11.2023	17
[icon]	123581010	GRC	HELLAS-GAT-4G	39.00	G	U	RS49	Plan (AP30B)	17.11.2023	3
[icon]	123570010	GRC	HELLAS-GAT-4G	39.00	G	N	A30B4.1	Plan (AP30B)	17.11.2023	3
[icon]	115559056	GRC	HELLAS-GAT-4G	39.00	G	P	A30B4.25	Plan (AP30B)	17.11.2023	3
[icon]	96500535	RUS	COMPARUS-E		N	N	RR1488	Non-Plan	17.11.2023	3
[icon]	96500536	RUS	COMPARUS-C		N	N	RR1488	Non-Plan	17.11.2023	3
[icon]	116545274	ARG	SAOCOM-1		N	A	9.11A	Non-Plan	18.11.2023	4
[icon]	123590030	ISR	NSL-1		N	U	RS49	Non-Plan	19.11.2023	3
[icon]	123545397	S	GNA-3		N	A	9.11A	Non-Plan	21.11.2023	2
[icon]	123545399	G	LUNAR_PATHFINDER		N	A	9.11A	Non-Plan	22.11.2023	6
[icon]	123545356	USA	GENMAT-1		N	A	9.11A	Non-Plan	22.11.2023	3
[icon]	123545400	CHN	LUNAR OSCAR II		N	A	9.11A	Non-Plan	23.11.2023	2
[icon]	123545401	CHN	TUXEOS-01		N	A	9.11A	Non-Plan	23.11.2023	4
[icon]	123545404	BEL	IOD ELEMENT1		N	A	9.11A	Non-Plan	24.11.2023	3
[icon]	123545402	E	HYDRA-A		N	A	9.11A	Non-Plan	24.11.2023	8
[icon]	123520180	E	HYDRA-C		N	C	9.6	Non-Plan	24.11.2023	5
[icon]	123545403	LUX	JARVIS-2		N	A	9.11A	Non-Plan	24.11.2023	8

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

Home > Networks Explorer > Space Stations

Identity

Explore Space Networks or Systems by

Space Network System (SNS) BR Space Publications

Satellite Network

Notifying Administration

Network Organization

Satellite Network Name

Note: use % for partial-match search, e.g. MY-SAT-%

All Non-Plan Only Plan Only

Publications

BR IFIC/WIC Number

BR IFIC Number - Date Published

From To

And BR IFIC/WIC Data

From To

BR IFIC - Special Section

Special Section Reference

BR IFIC - Special Section Number

Special Section Number

Hide Filters Results: 109/141 Save/Share Export Highlight Rows Show Hints Reset Filters

Open Dashboard for Detail	SNS Notice ID	Notifying Adm./ Network Org.	Satellite Network Name	GSO Location East (+) or West (-) (Degrees)	Notice Date of Receipt	BR IFIC Publication	BR IFIC Publication Revision	Plan Special Section Part	Removal From SNS Database	Suppression Status
<input checked="" type="checkbox"/>	121545051	USA	IMAP		18.03.2021	APIB/1722				-
<input checked="" type="checkbox"/>	121545056	USA	USAAK		24.03.2021	APIB/1727				-
<input checked="" type="checkbox"/>	121545066	USA	PAGE-1		31.03.2021	APIB/1732				-
<input checked="" type="checkbox"/>	121520126	B	B-SAT-63W	-63.00	07.07.2021	APIC/1303				-
<input checked="" type="checkbox"/>	121520124	E	SECOMSAT-6-29E	29.00	02.07.2021	APIC/1302				-
<input checked="" type="checkbox"/>	121520127	E	SECOMSAT-6-47W	-47.00	09.07.2021	APIC/1304				-
<input checked="" type="checkbox"/>	119520135	G	JUKES01		16.04.2021	APIC/861	MOD 1			-
<input checked="" type="checkbox"/>	120520169	J	KITSUNE		08.04.2021	APIC/1140	MOD 1			-
<input checked="" type="checkbox"/>	121552008	F	F-SAT-85S1-9E	9.00	25.05.2021	AP30/E/913		A		-
<input checked="" type="checkbox"/>	121552007	UAE	YAHSAT-85S2-15E	15.00	20.05.2021	AP30/E/912		A		-
<input checked="" type="checkbox"/>	121555001	ARG	ARSAT-O-AP30	-80.80	06.05.2021	AP30-30A/E/911		A		-
<input checked="" type="checkbox"/>	113555006	HOL	BSSNET3A-95W	-95.15	09.07.2013	AP30-30A/E/651	SUP	C		-
<input checked="" type="checkbox"/>	121556001	ARG	ARSAT-O-TTC	-80.80	06.05.2021	AP30-30A/F/C/71				-
<input checked="" type="checkbox"/>	121554008	F	F-SAT-85S1-9E	9.00	25.05.2021	AP30A/E/913		A		-
<input checked="" type="checkbox"/>	115520156	CAN	ELV		17.02.2021	CR/C/3852	MOD 1			-
<input checked="" type="checkbox"/>	121520036	CAN	M3MSATM		24.02.2021	CR/C/5540				-
<input checked="" type="checkbox"/>	118520001	CHN	FORTLAN-EN		08.03.2021	CR/C/4664	MOD 1			-
<input checked="" type="checkbox"/>	119520048	CHN	C-SAT-LEO		08.03.2021	CR/C/5001	MOD 1			-
<input checked="" type="checkbox"/>	119520266	CHN	GEESAT-1		06.03.2021	CR/C/5162	MOD 3			-
<input checked="" type="checkbox"/>	121520091	F	F-SAT-NR-16E	16.00	10.06.2021	CR/C/5542				-
<input checked="" type="checkbox"/>	121520094	F	F-SAT-NR-36E	36.00	11.06.2021	CR/C/5545				-
<input checked="" type="checkbox"/>	121520029	G	METHERA-E		12.02.2021	CR/C/5539				-
<input checked="" type="checkbox"/>	121520041	NOR	ARCSAT		26.02.2021	CR/C/5541				-
<input checked="" type="checkbox"/>	115520197	PNG	PACIFISAT-3W	-3.00	18.06.2021	CR/C/3888	MOD 1			-
<input checked="" type="checkbox"/>	111520051	USA	USASAT-55P	-29.50	21.05.2021	CR/C/2827	SUP			-
<input checked="" type="checkbox"/>	121512085	D	CUBEL		28.04.2021	PART III-S				-
<input checked="" type="checkbox"/>	121500153	G	UK-KA-7R	-79.00	07.07.2021	PART III-S				-
<input checked="" type="checkbox"/>	120512083	TUR	TURKSAT-85S-742E	42.00	17.08.2020	PART III-S				-
<input checked="" type="checkbox"/>	120570008	B	B-SAT-5I	-63.00	15.06.2020	PART II-S				-

The Dashboard pages contain the detailed data of a satellite network or system or of an earth or radio astronomy station. It displays cards which can be expanded to view details of the data.

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

Home > Networks Explorer > Space Stations > Dashboard > Non Plans > UK KA 7R

Identity

Satellite Network: UK KA 7R

Name: —

Satellite Network Previous Name: —

Administration: G (United Kingdom of Great Britain and Northern Ireland)

Network Organization: —

Space Plan/Non Plan Bands: Non Plan

Type of Satellite Network: Geostationary (7°W West)

Regulatory Status Tracking

Status: Active

In Master Register (MIRF): Yes

Period of validity (years): 99

Brought into Use: No

Suspension of Use: Partially

Date of Receipt of First Submission: 21.09.2015

Earliest Regulatory Date Limit to Bring into Use: 21.09.2022

BR IFIC Date of Latest Publication: 20.08.2024

Note: Data displayed is the latest available of the Related Notice list.

Publications in BR IFIC Space

Earliest Publication Date: 13.10.2015

Latest Publication Date: 20.08.2024

2 AP NOTIFICATION

10 COORDINATION

9 AP

1 OTHER

Related Notices Information

Notice ID	Revision	Notice Date of Receipt
123820166	9.6	06.11.2023
122800072	11.2	21.09.2022
119900040	RS49	01.11.2019

Network Structure Navigation

Lower Frequency Limits Upper

Emission (Tx): 20 200 MHz 21 200 MHz

Reception (Rx): 30 000 MHz 31 000 MHz

Inter-Satellite Link (ISL): MHz MHz

Overview of Emissions Characteristics

2 SERVICES

Coordination Requirements & Examination Results

50 IDENTIFIED ADMINISTRATIONS

0 UNFAVORABLE FINDINGS

Due Diligence Information

Resolution 49

Associated Stations

10 EARTH STATIONS

0 SPACE STATIONS

Period of Validity Including Resolution 4

50 MAX PERIOD OF VALIDITY (years)

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

Home > Networks Explorer > Space Stations > Dashboard > Plans (AP30A) > F-SAT 85S1 9E (121554008)

Network also has: plans (AP30) data

Publications in BR IFIC Space

Earliest Publication Date: 05.10.2021

Latest Publication Date: 05.10.2021

1 AP30A PART A

0 AP30A PART B

0 AP30A NOTIFICATION

0 AP30A OTHER

Related Notices Information (121554008*)

Notice ID Plan ID Process Notice Date of Receipt

F-SAT85S1-9E

121554008* SOUP Pending 25.05.2021

Identity

Satellite Network Name: F-SAT-85S1-9E

Satellite Network Previous Name: —

Administration: F (France)

Network Organization: —

Space Plan Identifier: AP30A (Regions 1 and 3)

Type of Satellite Network: Geostationary (0° East)

Regulatory Status Tracking

Status: Active

Period of validity (years): -

Brought into Use: No

Suspension of Use: No

Date of Receipt of First Submission: 25.05.2021

Earliest Regulatory Date Limit to Bring into Use: 25.05.2029

BR IFIC Date of Latest Publication: 05.10.2021

Note: Data displayed is the latest available of the Related Notice list.

Network Structure Navigation

Lower Frequency Limits Upper

Reception (Rx): 14 508.8 MHz 18 092 MHz

Overview of Emissions Characteristics

1 SERVICES

Coordination Requirements & Examination Results

18 IDENTIFIED ADMINISTRATIONS

0 UNFAVORABLE FINDINGS

Due Diligence Information

Resolution 49

Associated Stations

22 TEST POINTS

0 EARTH STATIONS

Reference Situation

-33.352 GHz MHz

Annex 2: ITU SpaceExplorer > Special Explorer > Application of Radio Regulations Article 4.4

This function allows you to search for assignments for which No. 4.4 of the Radio Regulations is applied. The last column is a link to open, in a new tab, the Dashboard of the satellite network or system or of the earth or radio astronomy station for details of the status of the various frequency bands.

The screenshot displays the ITU Space Explorer interface, specifically the 'Special Explorer' section for 'Application of Article 4.4'. The page title is 'List of Notices with information on application of Article 4.4 of the Radio Regulations on frequency bands'. The interface includes search filters for 'Notifying Administration', 'Network Organization', and 'Countries', along with a 'Search Name' field. Below the filters, there are counts for 'Space Stations (812)', 'Earth Stations (102)', and 'Radio Astronomy (175)'. The main content is a table of notices, with the following columns: 'SMS Notice ID', 'Notifying Admin./ Network Org.', 'Satellite Network Name', 'ESO Location East (+) or West (-) (Degrees)', 'Notice Type', 'Notification Reason', 'Provision', 'Plan/ Non-Plan', and 'Notice Date of Receipt'. The table lists 20 notices, with the first one highlighted. To the right of the table, there is a 'Frequency Limits' diagram showing 'Lower' and 'Frequency Limits' sections, with 'Emission (Tx)' and 'Reception (Rx)' bands. A note at the bottom right of the diagram says 'Note: Please use the link "Open Dashboard for Data?" for further details.'

SMS Notice ID	Notifying Admin./ Network Org.	Satellite Network Name	ESO Location East (+) or West (-) (Degrees)	Notice Type	Notification Reason	Provision	Plan/ Non-Plan	Notice Date of Receipt	
96500535	RUS	COMPARUS-E		N	N	RR148B	Non-Plan	17.11.2023	
123545166	USA	VIGORIDE-7		N	A	9.10A	Non-Plan	15.11.2023	
123545389	G	CELESTINET-LUNAR		N	A	9.10A	Non-Plan	14.11.2023	DL 1
123545390	G	ELSA-M I/O		N	A	9.10A	Non-Plan	14.11.2023	DL 4
116545176	USA	EUROPA CUPPER		N	A	9.10A	Non-Plan	08.11.2023	DL 4
123545382	USA	NACHOS-2		N	A	9.10A	Non-Plan	08.11.2023	DL 2
123500204	USA	STARLING-1		N	N	11.2	Non-Plan	08.11.2023	DL 2
123545374	CHN	LUNAR LANDER-4A		N	A	9.10A	Non-Plan	03.11.2023	DL 6
123545375	CHN	LUNAR ORBITER-4A		N	A	9.10A	Non-Plan	03.11.2023	DL 6
123500194	CHN	TIANGONG-2		N	N	11.2	Non-Plan	02.11.2023	DL 1
123545288	IRN	PARS-1		N	A	9.10A	Non-Plan	01.11.2023	DL 1
119545110	NOR	HYPPO		N	A	9.10A	Non-Plan	31.10.2023	DL 2
123545359	USA	KEYW-2		N	A	9.10A	Non-Plan	26.10.2023	DL 8
123545358	USA	OMNI-HER1		N	A	9.10A	Non-Plan	26.10.2023	DL 5
123545357	USA	YORK BANE		N	A	9.10A	Non-Plan	26.10.2023	DL 5
123545352	D	ORASAT		N	A	9.10A	Non-Plan	21.10.2023	DL 3
121545049	J	HELIOS		N	A	9.10A	Non-Plan	11.10.2023	DL 2

The export function has two options at notice or at frequency group level.