



30TH WORLD RADIOCOMMUNICATION SEMINAR

24 – 28 October 2022

Geneva, Switzerland

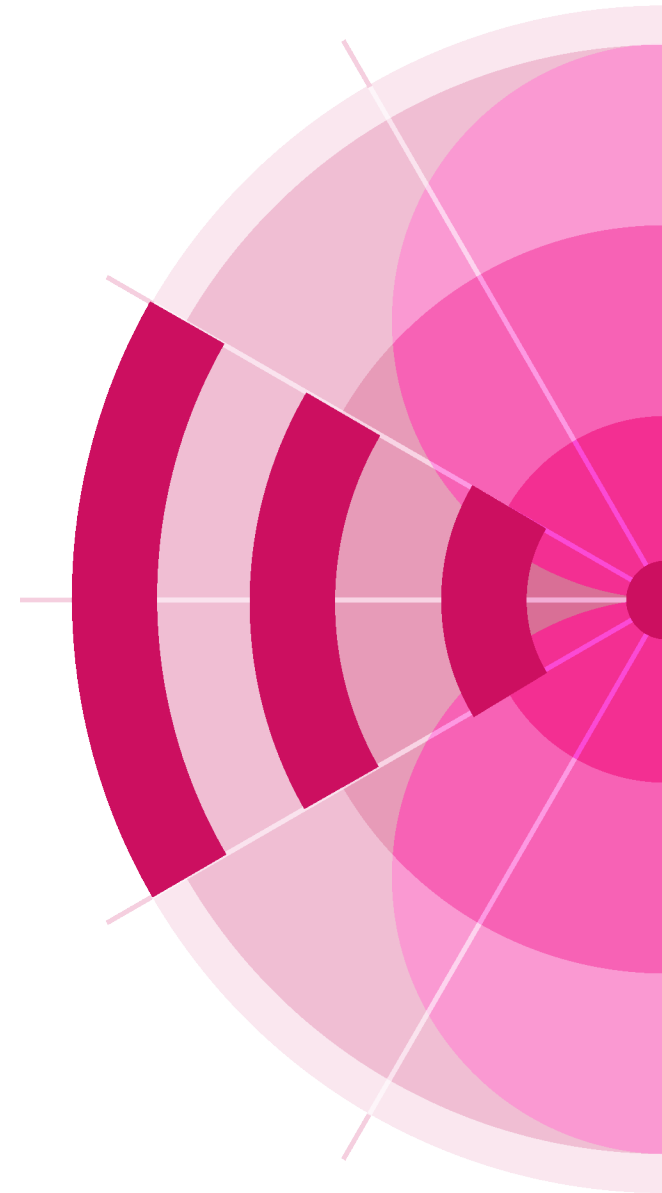
Space Services Website

Xavier Laurenson

Space Services Department, BR, ITU

www.itu.int/go/wrs-22

#ITUWRS



CONTENT

1. BR IFIC and Preface
2. Space Plans
3. Cost recovery
4. Space Support
5. NGSO systems
6. SNS (Space Network System) online
7. SNL (Space Network List) online

SPACE SERVICES WEBSITE

<https://www.itu.int/en/ITU-R/space>

BR IFIC & Preface

Cost Recovery

NGSO information

ABOUT SSD

The Department (SSD) is responsible for coordination and recording procedures for space systems and the Department handles capture, processing and publication of data and carries out examination of notices submitted by administrations for inclusion in the formal coordination procedures or recording in the Master International Frequency Register (MIFR).

The Department is also responsible for managing the procedures for space related assignment or allotment plans of the ITU and for provision of assistance to administrations on all of the above issues.

Structure of SSD

- Space Publication and Registration Division (SPR)
- Space Systems Coordination Division (SSC)
- Space Notification and Plans Division (SNP)

BR IFIC & PREFACE

The BR International Frequency Information Circular (Space Services) (BR IFIC) is a service document in DVD-ROM format, published once every two weeks. The Preface describes the contents and the layout of the BR IFIC.

[More >](#)

COST RECOVERY

In accordance with Resolution 88 rev of the Plenipotentiary Conference (Marrakech, 2002) and Council Decision 482 modified (C2008), cost recovery is to apply to satellite network filings received by the Radiocommunication Bureau after 7 November 1998.

[More >](#)

NON-GEOSTATIONARY-SATELLITE NETWORKS

The following pages provide information on the regulatory procedures for the submission and registration of frequency assignments to non-geostationary-satellite networks, including information on small satellites, and on EPFD related issues.

[More >](#)

SPACE PLANS

Information concerning planned satellite networks and in particular information related to provisions for space services subject to a Plan under Appendices 30, 30A and 30B of the Radio Regulations.

[More >](#)

SPACE SUPPORT

Information about electronic filing, space services publications and databases; also documents related to seminars and workshops organized by the Radiocommunication Bureau.

[More >](#)

SNS AND SNL ONLINE

The SNS online (TIES account or subscription required) enables access to the data of planned and non-planned satellite networks, earth stations and radio astronomy stations. The SNL online (free access) provides a list of these networks and their associated official publications based on a set of query criteria.

[SNS Online >](#)
[SNL Online >](#)
[Pilot ITU SpaceExplorer >](#)

ACTIVITIES

- ITU WRS 2022 :
- Pilot project ITU SpaceExplorer :
- Frequently asked questions
- New EPFD support page
- New tools for capture of coordination agreements
- ITU Satellite Webinars
- SIRRS - Interference Reporting
- Space Seminars and Workshops
- Space services - E-learning center
- Res.809 (rev. WRC-07) - Consultation meeting
- Supervisory Authority of the future international registration system for Space Assets

Databases

- Suspension of publication of BR-IFIC on DVD-Interim procedures (CR/457)
- Information on UAS CNPC links
- Information on satellite networks
- Information on satellite networks
- Information (SNL-C)
- Addresses of notifying administrations
- Emergency radiocommunication (Res. 647)

QUICK LINKS

- e-Communications (for correspondence to space services)
- e-Submission of satellite filings
- SIRRS - Interference Reporting
- Software
- Radio Regulations (Edition of 2020)
- Final Acts of WRCs
- Radio Regulations Board (RRB)
- ITU-R Circular letter
- ITU-R Circular Telegrams (CTITU)

Space Activities

Space Plans

Space Support

**• Databases
• Tools
• News**

**SNS, SNL online
Space explorer**

Quick Links

ITUWRS
GENEVA2022



BRIFIC AND PREFACE

Space services
website

Complementary information and services to the regulatory publications that are distributed in the BR IFIC DVD.

- Preface
- NEWS
- **Browse the Table of Contents**
- Schedule of publication
- Online download of ISO image of BRIFIC DVD
- **IFIC mdb**
- Space plans databases
- Online publications
- Special publications
- **Additional information to publications**

The screenshot shows the BRIFIC website interface. At the top, there is a header with a logo and introductory text. Below this, there are several sections: 'BR IFIC INFORMATION', 'NEWS', 'BR IFIC CONTENT', 'DATABASE ONLINE', 'OTHER LINKS', 'SPECIAL PUBLICATIONS', 'BR IFIC DOWNLOAD', and 'ADDITIONAL INFORMATION TO BRIFIC'. Red boxes and arrows highlight specific elements: 'Table of contents of the BR IFIC' in the 'BR IFIC INFORMATION' section, 'BR IFIC data (Access database)' in the 'DATABASE ONLINE' section, and 'ADDITIONAL INFORMATION TO BRIFIC' in the 'ADDITIONAL INFORMATION TO BRIFIC' section. The 'ADDITIONAL INFORMATION TO BRIFIC' section includes links for 'Additional information related to the spectrum masks', 'Additional information related to the orientation angles', and 'Additional information related to N-GSO satellite networks'.

Table of Contents

BRIFIC

<https://www.itu.int/net/ITU-R/space/snl/bsearchb/spublication.asp>

Query by publication references - Last update: IFIC 2982 of 10/18/2022

Allows the user to build a query by filling in the criteria below. More information on the types of procedure can be found by clicking on the required category. By default, all types of procedure are selected, all satellite networks but no earth stations.

Type of Procedure : ☐ ALL ☐ API ☐ Coordination ☐ Notification ☐ RES49 ☐ AP30&30A ☐ AP30B

SNS ID	<input type="text"/>	Earth Station Name	<input type="text"/>
Satellite Name (To select from the list or to type)	<input type="text"/>	Network Org / Area	<input type="text"/>
ADM	<input type="text"/>	Year	<input type="text"/>
IFIC/WIC Number	<input type="text"/>	To	<input type="text"/>
IFIC Date - From	<input type="text"/>	To	<input type="text"/>
Date of Rcv - From	<input type="text"/>	To	<input type="text"/>
All GSO <input checked="" type="checkbox"/> All N-GSO <input checked="" type="checkbox"/> or Nominal orbital position - in degrees (+) for East or (-) for West:			
From (-180)	<input type="text"/>	To (180)	<input type="text"/>

☐ I want only suppressed networks
☐ Open the results in a new window

Submit Reset

SPACE EXPLORER

Space Explorer

Home > Networks Explorer > List View

Identity

Explore Space Networks or Systems by

Satellite Network

Notifying Administration

Network Organization

Satellite Network Name

Publications

BRIFIC/WIC Number

BRIFIC Number - Date Published

From

To

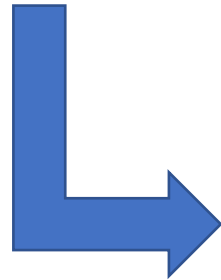
Results: 102

Rows per page: 10

Results: 1-10 of 102

Page: 1 / 11

<https://www.itu.int/itu-r/space/apps/public/spaceexplorer/networks-explorer/list-view>



Your query : / Type = gso or ngso / Earth station none / IFIC = 2982

Complete list - Explanations - Export in txt format - Export in Excel format

Total line = 102/102

ID number (SNS)	adm	ORG or Geo.area	Satellite name	Earth station	long_nom	Date of receipt	ssn_ref	ssn_no	ssn rev/ Sup	ssn rev no	removal	Part/ Art.	WIC/IFIC (ific.mdb)	WIC/IFIC date
up down	up down	up down	up down	up down	up down	up down	up down	up down					up down	
116552024	UAE		YAHSAT-BSS-33.5E		33.5	27.01.2022	AP30/E	759				B	2982	18.10.2022
122552001	F		F-SAT-BSS1-16E		16	31.03.2022	AP30/E	921				A	2982	18.10.2022
122552002	F		F-SAT-BSS1-127E		127	06.05.2022	AP30/E	922				A	2982	18.10.2022
122552003	D		ODYSSEY-BSS-20W		-20	29.05.2022	AP30/E	923				A	2982	18.10.2022
122552004	F		F-SAT-BSS1-136.5E		136.5	31.05.2022	AP30/E	924				A	2982	18.10.2022
122552005	F		F-SAT-BSS1-33E		33	13.06.2022	AP30/E	925				A	2982	18.10.2022
122552006	PNG		PACIFISAT BSS-75E		75	23.06.2022	AP30/E	927				A	2982	18.10.2022
114555003	B		B-SAT-3Q-1		-61	04.05.2022	AP30-30A/E	686				B	2982	18.10.2022
122555001	F		F-SAT-BSS-146W		-146	17.06.2022	AP30-30A/E	926				A	2982	18.10.2022
116554024	UAE		YAHSAT-BSS-33.5E		33.5	27.01.2022	AP30A/E	759				B	2982	18.10.2022



- The IFIC mdb file is distributed with each BR IFIC (Space services) DVD
- This file is needed for submission of comments using SpaceCom software (mandatory procedure for most commenting procedures)
- All IFIC mdb files are available on the website as soon as the BRIFIC DVD is published

SPACE IFIC DATABASES		
Publication Date	Version 9 Databases	Table of Contents
18.10.2022	2982	View
04.10.2022	2981	View
20.09.2022	2980	View
06.09.2022	2979	View
23.08.2022	2978	View
09.08.2022	2977	View
26.07.2022	2976	View
12.07.2022	2975	View
28.06.2022	2974	View
14.06.2022	2973	View

Additional information to special section publications that may be too large to be inserted in the special sections:

- Spectrum masks
- Orientation angles
- Interference analysis

BR IFIC (Space services) - Additional Information

YOU ARE HERE [ITU](#) > [HOME](#) > [ITU-R](#) > [SPACE SERVICES](#)

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Type	category	ntz_id	adm	org	sat_name	long	ssn_ref	ssn_rev	d_wic	wic_no
	Interference Analysis	121520025	NOR		STEAM-1	N-GSO	CR/C	3739	04.10.2022	2981
	Interference Analysis	321520095	D		COURIER-3	N-GSO	CR/C	3843	14.12.2021	2961
	Interference Analysis	320520218	LIE		3ECOM-3	N-GSO	CR/C	3842	24.08.2021	2953
	Interference Analysis	319520287	F		MCSAT-2 LEO-2	N-GSO	CR/C	3723	27.07.2021	2951
	Interference Analysis	319520287	F		MCSAT-2 LEO-2	N-GSO	CR/C	3723	22.12.2020	2936
	Interference Analysis	114520267	F		MCSAT-2 HEO	N-GSO	CR/C	3728	29.09.2020	2930
	Interference Analysis	117520087	USA		USASAT-NGSO-3A-R	N-GSO	CR/C	4423	04.08.2020	2926
	Interference Analysis	117520088	USA		USASAT-NGSO-3B-R	N-GSO	CR/C	4424	04.08.2020	2926
	Interference Analysis	117520027	NOR		STEAM-2R	N-GSO	CR/C	4422	21.07.2020	2925

SPACE PLANS

Space services
website

<https://www.itu.int/ITU-R/go/space-plans/en>

Download Space Plans
Systems (SPS) databases

Space Plans

> ITU-R > SPACE SERVICES > SPACE PLANS

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Space Plans

What's New

Frequently Asked
Questions

Appendices 30 & 30A BSS
Plan

Appendix 30B FSS Plan

Master Register

Resolution 49

Seminar Papers

Databases and Services

SNL

SNS

Recent

Welcome to the **Space Plans** section of the ITU website. Here you will find information concerning planned satellite networks. In particular, information related to provisions for space services subject to a Plan under Appendices **30**, **30A** and **30B** of the [Radio Regulations](#). These pages have been prepared to assist a broad range of clients such as administrations, satellite network operators and service providers. News and updates to these pages can be found on the [What's New](#) page.

The World Radiocommunication Conference 2000 (WRC-2000) revised the Broadcasting-Satellite Service (BSS) downlink Plan and associated feeder-link Plans for countries in Regions 1 and 3. The Conference also created a BSS downlink List and associated feeder link Lists for countries in Regions 1 and 3.

The World Radiocommunication Conference, Geneva, 2003 (WRC-03) revised Appendices **30** and **30A** to the Radio Regulations. In accordance with Resolution **546** (WRC-03), the revised Appendices **30** and **30A** entered into force on 5 July 2003 with the exception of the footnotes to § 4.1.5, 4.1.15, 4.2.8 and 4.2.19 and the revised Annexes. Those footnotes entered into force on 1 August 2003 and the revised Annexes entered into force on 1 January 2004.

The World Radiocommunication Conference, Geneva, 2007 (WRC-07) adopted the revised provisions and associated Plan for the fixed-satellite service (FSS), as contained in Appendix **30B** (Rev.WRC-07). In accordance with *resolves* 4 of Resolution **149** (WRC-07), the Bureau will use the revised Appendix **30B** in its examination of submissions under that Appendix received on and after 17 November 2007, as well as submissions received before but not yet processed at that time.

Any modifications or amendments to the Plans or Lists should be submitted to the ITU-R in electronic format. Submissions under Article 4 of Appendices **30**, **30A** and **30B** shall be based on Annexes 2A and 2B of Appendix **4**. For further information, see the [FAQ](#).

INFORMATION


[Circular Letters related to Space Plans](#)

[Radio Regulations, Edition of 2016](#)

[Description of the "Worst Case Approach"](#)

[Agenda item 1.4 \(WRC-19\)](#)

[Workshop on the implementation of the outcome of WRC-19 Agenda Item 1.4 \(Nairobi, Kenya\)](#)

[Submissions received Resolution 559 \[COM5/3\] \(WRC-19\)](#) 

GROUPS

[ITU-R Study Group 4 - Working Party 4A: Efficient spectrum/orbit utilization](#)

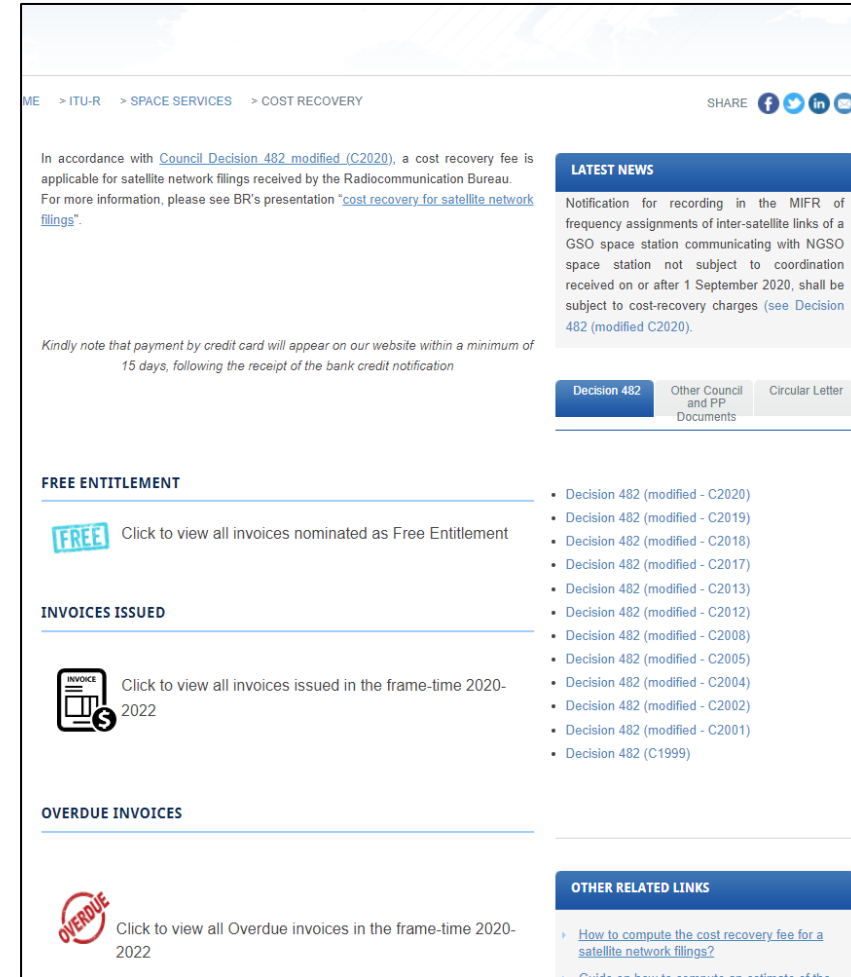
[ITU-R Study Group 6 - Working Party 6S: Satellite Broadcasting \(formerly known as JWP 10-11S\)](#)

[Special Committee on Regulatory/Procedural Matters \(SC\)](#)

COST RECOVERY

Space services
website

- List of all satellite networks nominated as **free entitlement**
- **List of all invoices issued in the past 2 years**
 - Please check this page regularly if you wish to know which invoices have been issued
 - Copies of invoices are now also sent through the e-Communications system to the notifying administration
 - Payment status is also displayed here for information, but please note that there may be delay between the time the payment is received by the Finance department, and when it will be updated on this page
- **List of invoices which are overdue**
 - Note that even if a filing is already cancelled due to non-payment of cost recovery fee, the invoice continues to be payable!
- **Background documentation**
 - Copies of all revisions of the Council Decision 482 and relevant BR circular letters

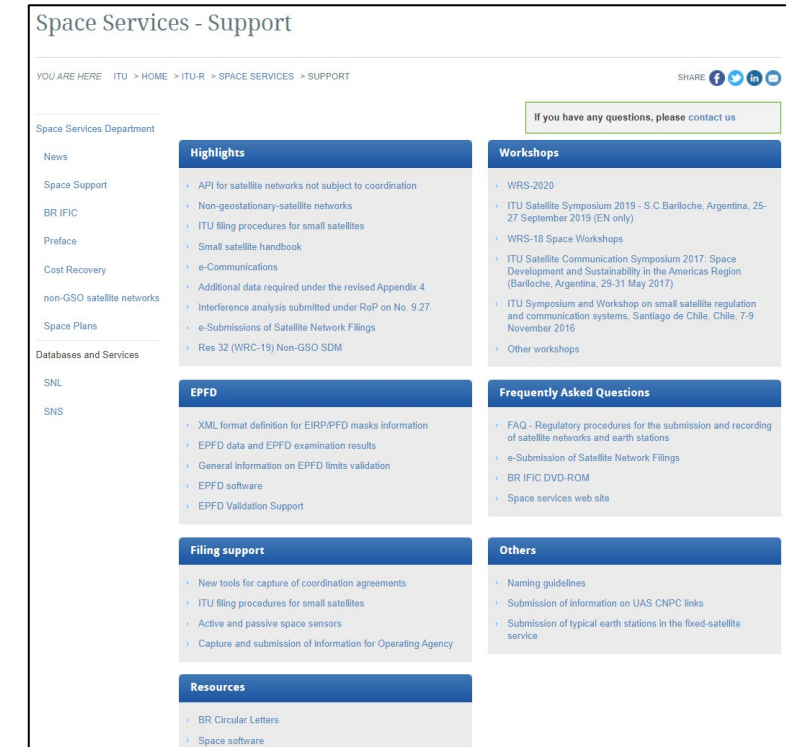


The screenshot shows the ITU-R Space Services website. The main navigation bar includes 'ME', '> ITU-R', '> SPACE SERVICES', and '> COST RECOVERY'. A 'SHARE' button with social media icons is on the right. The main content area has a blue header with the text: 'In accordance with Council Decision 482 modified (C2020), a cost recovery fee is applicable for satellite network filings received by the Radiocommunication Bureau. For more information, please see BR's presentation "cost recovery for satellite network filings".' Below this is a note: 'Kindly note that payment by credit card will appear on our website within a minimum of 15 days, following the receipt of the bank credit notification'. A tabbed interface shows 'Decision 482' as the active tab, with 'Other Council and PP Documents' and 'Circular Letter' as alternatives. The 'FREE ENTITLEMENT' section has a 'FREE' icon and a link to view all invoices nominated as Free Entitlement. The 'INVOICES ISSUED' section has an 'INVOICE' icon and a link to view all invoices issued in the frame-time 2020-2022. The 'OVERDUE INVOICES' section has an 'OVERDUE' icon and a link to view all Overdue invoices in the frame-time 2020-2022. A 'LATEST NEWS' sidebar on the right contains a notification about MIFR frequency assignments and a list of 10 decisions (482 modified - C2020 to C1999). An 'OTHER RELATED LINKS' section at the bottom right includes links to 'How to compute the cost recovery fee for a satellite network filings?' and 'Guide on how to compute an estimate of the'.

SPACE SUPPORT

Space services
website

- Webpage to provide supporting material to administrations concerning preparation and submission of satellite network filings
- **Some key items:**
 - Additional data required under the revised Appendix 4 of WRC-19
 - Information for satellite networks subject to EPFD limits
 - XML format definition for EIRP and PFD masks information
 - EPFD data and EPFD examination results
 - General information on EPFD limits validation
 - Interference analysis submitted under RoP on No. 9.27
 - ITU filing procedures for small satellites
 - Seminar/Workshops
 - FAQ



NGSO SATELLITE NETWORKS

Space services
website

- Regulatory procedure for NGSO satellite network
- Information of whether to start from API or Coordination Request
- Data required for NGSO satellite networks
- Submission of information
- RR Article 22 EPFD examination
- Supplemental interference analysis
- Resolution 35 (WRC-19)
- Resolution 770 (WRC-19)
- Useful links and guides

Non-geostationary-satellite networks (Non-GSO)

YOU ARE HERE ITU > HOME > ITU-R > SPACE SERVICES > SUPPORT > NON-GSO

SHARE    

Space Services Department

News

Space Support

BR IFIC

Preface

Cost Recovery

non-GSO satellite networks

Space Plans

Databases and Services

SNL

SNS

ITU Regulatory Procedures

There are two main regulatory procedures for non-GSO satellite networks, either subject or not subject to coordination:

Not subject to coordination
(default procedure when nothing is specified in RR for the allocation)



- API/A
- Comments – API/B
- Notification
- BIU (Bring Into Use)

Subject to coordination
(if specified in RR that the allocation/use is subject to coordination or agreement)

- CR/C (+API/C)
- Comments – (CR/D, CR/E)
- Notification
- Res 49 (Due Diligence)
- BIU (Bring Into Use)

Establishment of whether to start from API or Coordination Request

To know whether a particular service in a frequency band is subject to coordination, kindly consult the Table of Frequency Allocations in Article 5 of the Radio Regulations. The most common coordination procedures for non-GSO satellite networks are No 9.11A and No 9.21. For a list of frequency bands/services that are subject to No 9.11A, the table "TABLE 9.11A-1" of the Rules of Procedure can be helpful.

For those **not** subject to coordination, the first step is to submit an **advance publication information (API)** to the Bureau (No 9.1), followed by a notification for recording within 7 years from the date of receipt of the API.

For those subject to coordination, the first step is to submit a request for coordination to the Bureau (No 9.30), followed by a notification for recording within 7 years from the date of receipt of the request for coordination.

Data required

As compared to GSO satellite networks, it should be noted that non-GSO satellite networks have additional data requirements as specified in Appendix 4 of the Radio Regulations.

For all non-GSO satellite networks, it is first necessary to specify whether the reference body is the Earth or other objects (e.g. Moon), and provide the number of orbital planes.

For those where the reference body is the Earth, the basic list of orbital parameters required to describe the non-GSO satellite networks include for each orbital plane, the inclination, the number of satellites per plane and the period.

However, for non-GSO satellite networks that are considered as "constellation", additional orbital parameters are required, this include the initial phase angles, Longitude of ascending nodes etc..

For those non-GSO satellite networks that are subject to coordination under Nos. 9.11A, 9.12 or 9.12A, the RAAN value must additionally be provided. Other additional parameters required include the orientation angles alpha and beta of each beam, satellite antenna gain as a function of elevation angle, maximum and average beam peak eirp etc.

Next, for those non-GSO satellite networks that are subject to Nos. 22.5C, 22.5D, 22.5F or 22.5L, even more orbital parameters are required, including whether the space station uses station-keeping to maintain a repeating ground track, and if the space station uses station-keeping to maintain a repeating ground track, the time in seconds that it takes for the constellation to return to its starting position, i.e. such that all satellites are in the same location with respect to the Earth and each other, specific precession rate etc.. In addition, many additional parameters required for the evaluation of EPFD such as the PFDF/EIRP masks, information on the exclusion zone etc. are required.

EPFD DATA AND EXAMINATION RESULTS

NGSO

Data for Article 22 examination with respect to compliance with equivalent power flux density limits under Nos. 22.5C, 22.5D, 22.5F, as appropriate, for non-geostationary satellite systems in fixed-satellite service

Satellite name	ID number	Adm	Org	ssn_ref	ssn_rev	IFIC No	IFIC date	Files			Remarks
STELLAR-DASH	121520245	F		CR/C	5733	2981	04.10.2022	Input			
STEAM-1	121520025	NOR		CR/C	3739	2981	04.10.2022	Input	Result	Summary	
STELLAR-DASH	121520245	F		CR/C	5733	2980	20.09.2022	Input			
USASAT-NGSO-9A	122520020	USA		CR/C	5724	2980	20.09.2022	Input			
CSN-V1-1	121520236	CHN		CR/C	5705	2977	09.08.2022	Input			
CSN-V1-2	121520237	CHN		CR/C	5706	2977	09.08.2022	Input			
CSN-V1-3	121520238	CHN		CR/C	5707	2977	09.08.2022	Input			
CSN-V2-1	121520239	CHN		CR/C	5708	2977	09.08.2022	Input			
CSN-V2-2	121520240	CHN		CR/C	5709	2977	09.08.2022	Input			
CSN-V3-1	121520241	CHN		CR/C	5710	2977	09.08.2022	Input			
CSN-V3-2	121520242	CHN		CR/C	5711	2977	09.08.2022	Input			
D-MEG1-1	320520275	D		CR/C	5378	2977	09.08.2022	Input	Result	Summary	

<https://www.itu.int/ITU-R/go/space-epfd-data>

BR SPACE SOFTWARE

Space services
website

- List of all space related software
- Download

Space networks and related software

YOU ARE HERE [ITU](#) > [HOME](#) > [ITU-R](#) > [SOFTWARE](#)

SHARE [f](#) [t](#) [in](#) [e](#)

Space networks and related software

Download

All v9 software are now packaged in one global installation:

- Stand alone offline installer (size: 338 MB): [Installer-v9.0.1.132.exe](#) ([Release notes](#))
- Online installer: [Installer-v9.0-9.0.1.132-online.exe](#)

Antenna Patterns

AP7Capture

BR-SIS

EPFD

GIBC

GIMS

GIMS Exercises & Videos

SAM

SpaceCap

SpaceCom

SpacePub

SpaceRefdb

SpaceVal

SPS (MSPACEg)

SRS

SRSCovert

AP7Capture - Capture system for AP7 Input parameters

Software package which allows the capture and modification of data that is relevant to the AP7 Analysis.

BR-SIS - BR-Space Information System

All BR Soft applications will be rewritten in the BR Space Information System. The first BR application to be integrated in the BR-SIS, is SpaceQry

GIBC - Graphical Interface for Batch Calculations

Software package which provides the user with the ability to carry out calculations on satellite networks which allow determining the coordination requirements.

GIMS - Graphical Interference Management

SpaceCom - Capture system for comments on Special Sections


SpaceCom software package is a stand-alone application designed to assist administrations and the Bureau in the management of the comments on four types of Special Sections: CR/C, API/A, AP30-30A Part A, AP30-30A/F/C

SpacePub – Space Publication

Software package for printing satellite networks / Earth stations from the SRS database.


SpaceQry – Space Query and Extract System

Software package which provides access to the Radiocommunication Bureau's Space Radiocommunication Stations database.



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<https://www.itu.int/ITU-R/go/space-software/en>



SNS AND SNL ONLINE

Space services
website

SNS (Space Network Systems) online

- Provide access to detailed data of a satellite networks, earth stations and radioastronomy stations that have been published by the Bureau
- Possible to download a notice in the latest SNS format
- General/Special/Customs queries available
- For members only (i.e. TIES account required) or subscription required
- <https://www.itu.int/sns/>

SNL (Space Network List) online


- Provide access to lists of satellite networks that have been published by the Bureau
- List (history) of all publications for a given network
- Various other lists are also available
- Freely available to all users
- <https://www.itu.int/ITU-R/go/space/snl/en>



SPACE EXPLORER

SNS MENU

SNS

**Radiocommunication**

Space Network Systems Online

Welcome to Space Network Systems Online!

SNS Online gives access to the **Space Networks Systems Database** of the Radiocommunication Bureau of the ITU. The database contains AP4 data of geostationary satellite filings, non-geostationary satellite filings and earth station filings.

SNS Online is a yearly [subscription service](#). It is available as a free service for [TIES](#) registered users.

Query for non-planned bands

Query for planned bands

As a user of the service you have access to the following features:

SNS Database Description (Pdf document: see here)	View the description of the SNS database (INGRE and MS/ACCESS)
SNS Database Changes	View the description of structural changes to SNS database (INGRE and MS/ACCESS)
Query Systems	
General Query System (non-planned bands)	Navigate through SNS database using predefined queries to retrieve a list of satellites or earth stations. Select a specific satellite or earth station and view all the beams/antennas, frequencies, emissions, coordination information for the selection.
Space Plans Query System	allows you to navigate through the SNS database (planned services) using predefined queries. Use the system in case you want to retrieve a list of satellites in the planned services and then "navigate" through a specific satellite. View all the beams, frequencies, emissions, coordination information of the selected station.
Query for retrieving database for SPACECAP	Retrieve database to create First Notification space station notice or to update coordination status at Resubmission of space station notice by SPACECAP (CR/483 refers).
Suppressed and Removed Notices Query System	Display notices in the SNS database which have been suppressed or removed. Use the query in case you want to retrieve a list of suppressed or removed satellites or earth stations.
Advance Publication Query System	Retrieve advance publication data from the database. Based on your input parameters retrieve a list of satellites and get the summary information of your selection. To get information on API subject to coordination, use the next link SpaceWISC API Query.
SpaceWISC API Query	Retrieve advance publication subject to coordination data submitted through the SpaceWISC Web Application. Based on your input parameters retrieve a list of satellites and get the summary information of your selection.
Res49/Res552 Publication Query System	Retrieve Due Diligence publication data from the database. Based on your input parameters retrieve a list of satellites and get the summary information of your selection
Removal of obsolete API and CR	Display the list of obsolete information on Advance Publication Information and Coordination Requests which have been removed from SRS and SPS databases.

Query by:

- ☐ Plan / Non-planned services (From the main menu)
- ☐ Satellite network, Administration, Notice ID
- ☐ Orbital position
- ☐ Submission reason (API, Coordination, Notification)

NETWORKS/EARTH STATION INFORMATION
Enter data and select category and satellite/station type

Satellite/Earth Station Name:

or enter Notice identifier:

Notifying Administration:

☒ Geo ☐ Non-Geo ☐ Earth Station ☐ Radio Astronomy

Network Organization:

Longitude (from):

Longitude (to) :

Notification reason: ☐ Coordination ☐ Coordination(Earth) ☐ Notification ☐ All

Satellite/Earth Station: ☒ Geostationary ☐ Non-Geostationary ☐ Earth Station ☐ Radio Astronomy

Submit

Cancel

Result of the query:

- List of networks
- Link to the network characteristics
- Category: **A** (Advance publication), **C** (Coordination), **N** (Notification), **U** (Due diligence)

<u>SATELLITE NAME</u>	<u>CATEGORY</u>	<u>ADM</u>	<u>NTWK</u>	<u>ORG</u>	<u>LONGITUDE</u>	<u>DATE OF PROTECTION</u>	<u>STATUS</u>	<u>IFIC</u>
NEW DAWN 23	U	PNG		64		See TSUM	50	2823
NEW DAWN 23	C	PNG		64		See TSUM	50	2858
NEW DAWN 23	N	PNG		64		See TSUM	50	2982

TOTAL:

3

Result:

- Summary information of the notice
- Link to the TSUM (Transaction summary)
- Download of the notice in SNS format

SUMMARY INFORMATION						
Satellite name	Category	Adm	Ntwk	Org	Provn	Date last modified
NEW DAWN 23	N	PNG	-	11.2	18.03.2022	
Download notice into MS/ACCESS <input type="button" value="DOWNLOAD"/> <input type="button" value="TSUM"/>						

DETAILED INFORMATION				
NOMINAL	TOLERANCE		INCLINATION	ACTIVE STATION
LONGITUDE	EAST	WEST	EXCURSION	
64	0.1	0.1	0.1	-

GENERAL QUERY SYSTEM 4/4

SNS

Transaction summary of the notice

LINK TO THE REFERENCE OF THE PUBLICATIONS (SNL)

Export of the TSUM

Export result of query to:



ACCESS



EXCEL



name of table/worksheet:
tsum_geo

Summary Information

Action	Status	Satellite name	Longitude	Category	Adm Ntwk Org	Provn	Date last modified
M	50	NSS-32	1.000	N	HOL	-	11.2 01.02.2010
Download notice into MS/ACCESS		2000	GO	?	TSUM	SNL-B	

LINK TO GIMS (ON LOCAL PC)

To view diagrams on SNS Online:

[Help System GIMS - Graphical Interference Management S](#)

DETAILS OF THE GROUP

ACTION	BEAM NAME	EMISS/REC	MAX.ISO	GAIN	POINTING	ACCURACY	RADIATION	DIAGRAM	GAIN	DIAGRAM	GAIN VS. ORBIT	DIAG	TIME(OLD)	ANT.	TYPE											
C1R	E	38.5	0.15						1		1															
group id	action	adm	resp.	band	date bringing into use	noise temp.	op	agcy	pol.	type	pol.	angle	area	diag	val	Class	stn	nat	srv	fdg	reg	date	prot	publication	ref	no
110694021		A	50000	17.11.2006			14	M			1	50	EC	CR	A-	29.01.2008	IFIC2	2710						IFIC1	2689	
more...																								CR/C	928	
																								API/A	1783	
110694022		A	50000	17.11.2006			14	M			1	50	EC	CR	A-	29.01.2008	IFIC2	2710						IFIC1	2689	
more...																								CR/C	928	
																								API/A	1783	

QUERY FOR RETRIEVING DATABASE FOR SPACECAP

SNS

SNS Database

[Description \(Pdf document:see Section III\)](#)

[SNS Database Changes](#)

Query Systems

[General Query System](#)

[\(non-planned bands\)](#)

[Space Plans Query System](#)

[Query for retrieving database for
SPACECAP](#)

[Suppressed and Removed Notices Query
System](#)

[Advance Publication Query System](#)

[SpaceWISC API Query](#)

[Res49/Res552 Publication Query System](#)

[Removal of obsolete API and CR](#)

[Regulatory Dates and Unique frequency
Bands](#)

[Notex Online Query](#)

[Special Query System](#)

[Query Search](#) and [Query Builder](#)

[Graphics System](#)

Submission Systems

[Coordination Request Filing](#)

Help Systems

[Demo pages](#)

[Help System](#)

[FAQ](#)

Query for retrieving a notice

NETWORKS INFORMATION

Select category and enter Satellite name

Retrieve API database for First Notification:

☐ NOT subject to Coordination under Section II of Article 9

Retrieve Coordination Request database for First Notification:

☐ Subject to Coordination under Section II of Article 9

Retrieve Part III-S database for Resubmission:

☐ Resubmission (Update of Coordination Status)

Satellite name:

Select

Cancel

ADM	NTWK ORG	SATELLITE NAME	NOTICE ID	CATEGORY	STATUS	LONGITUDE	WIC/IFIC
F		NANODEMO1	122545224	A	50		2982
TOTAL:							1

RES49/RES552 PUBLICATION QUERY SYSTEM

SNS

SNS Database

[Description \(Pdf document:see Section III\)](#)

[SNS Database Changes](#)

Query Systems

[General Query System](#)

(non-planned bands)

[Space Plans Query System](#)

[Query for retrieving database for SPACECAP](#)

[Suppressed and Removed Notices Query System](#)

[Advance Publication Query System](#)

[SpaceWISC API Query](#)

[Res49/Res552 Publication Query System](#)

[Removal of obsolete API and CR](#)

[Regulatory Dates and Unique frequency Bands](#)

[Notex Online Query](#)

[Special Query System](#)

[Query Search and Query Builder](#)

[Graphics System](#)

Submission Systems

[Coordination Request Filing](#)

Help Systems

[Demo pages](#)

[Help System](#)

[FAQ](#)

Query on RES 49/RES 552

NETWORKS RECEIVED BY THE BUREAU UNDER RES49/RES552

Enter data and satellite type

☒ Non-Planned Services ☐ Planned Services/SOF

Satellite Name:

Commercial Name:

Notifying Administration:

Network Organization:

Longitude (from):

Longitude (to):

Satellite type:

☒ GSO

☐ Non-GSO ☐ All

Select

Cancel





<u>NOTICE ID.</u>	<u>SATELLITE NAME</u>	<u>COMMERCIAL NAME</u>	<u>ADM</u>	<u>NTWK ORG</u>	<u>LONGITUDE</u>	<u>BR IFIC</u>	<u>SSN. REF</u>	<u>SSN. NO</u>
104591322	ICO-P	ICO-P	G			2513	RES49	859
119590057	L5	ONEWEB	G			2951	RES49	2241
		PALISADE	G			2951	RES49	2241
113590052	O3B-A	O3B	G			2757	RES49	1692
116590010	O3B-B	O3B	G			2814	RES49	1884
121590057	O3B-C	O3B	G			2957	RES49	2394
120590013	VERA	PALISADE	G			2919	RES49	2281

- Use of frequency spectrum and occupancy of the orbits
- Reference to the BRIFIC publications
- Dates of bringing into use
- Suspensions
- Resolution 40
- Area exclusion

<https://www.itu.int/ITU-R/go/space/snl/en>

Space Network List (SNL)

YOU ARE HERE ITU > HOME > ITU-R > SPACE SERVICES > SNL

SHARE    

Space Services Department

- News
- Space Support
- BR IFIC
- Preface
- Cost Recovery
- non-GSO satellite networks
- Space Plans


Databases and Services


- SNL
- SNS

Recent

The Space Network List (SNL) is a list of basic information concerning planned or existing space stations, earth stations and radio astronomy stations. It includes sections on Advanced Publication Information, coordination requests, notifications, Plans information and their related processing backlog.
More information can be found in the Circular Letter 232.

SNL Part A gives information on the use of the frequency spectrum, the occupancy of the geostationary orbit and non-geostationary orbit. SNL Part B gives information on all reference publications (special sections and PARTs) related to the space services. SNL Part C gives information on pending networks - received but not yet published by the Bureau.
To obtain more detail information on a network, please consult [SNS-online](#).

 The collection of the BR WIC and BR IFIC Space Services is purchasable on DVD ROM

FREQUENCY USE - ORBIT OCCUPANCY (PART-A)	REPORTS
<ul style="list-style-type: none">› List of space networks by frequency bands and orbital position	<ul style="list-style-type: none">› Quarterly publication (download)› ITU BR Annual Space Report on the use of the GSO and other orbits› ITU-R Contribution to the Report on the Long-term sustainability of outer space activities
REFERENCE PUBLICATIONS (PART-B)	SATELLITE NETWORK INFORMATION
<ul style="list-style-type: none">› Query by general publication references› Query by Special Section name› Query by group of Special Sections› Definition of the Special Sections : 	<ul style="list-style-type: none">› Bringing into use› Suspension› Change of names› Change of notifying administration› Removal of obsolete API and CR› Resolution 32› Resolution 35› Resolution 40› Notex Online Query
INFORMATION "AS RECEIVED" (PART-C)	BSS - RR 23.13 AND RES 553 / FSS - RR 6.16 OF AP30B
<ul style="list-style-type: none">› All notices subject to as-received (res55)	<ul style="list-style-type: none">› FSS service area exclusion under RR 6.16 of AP30B - Networks published in AP30B/ABA› BSS in 21.4 - 22 GHz (WRC-12)› BSS service area exclusion under RR 23.13 - Networks published in AP30/E Part A

REFERENCE PUBLICATIONS

SNL

- Query by:

- ☐ Type of procedure
- ☐ Satellite name / Earth station name (None by default)
- ☐ ADM / Orbital position
- ☐ Date of receipt or date of publication

<https://www.itu.int/net/ITU-R/space/snl/bsearchb/spublication.asp>

Type of Procedure :	<input type="checkbox"/> ALL	<input type="checkbox"/> API	<input type="checkbox"/> Coordination	<input type="checkbox"/> Notification	<input type="checkbox"/> RES49	<input type="checkbox"/> AP30&30A	<input type="checkbox"/> AP30B
SNS ID	<input type="text"/>			<input type="text"/>			
Satellite Name (To select from the list or to type)	<input type="text" value="all"/>			Earth Station Name <input type="text" value="none"/>			
ADM	<input type="text" value="all"/>			Network Org / Area <input type="text" value="all"/>			
IFIC/WIC Number	<input type="text"/>			Year <input type="text"/>			
IFIC Date - From	<input type="text" value="dd/mm/yyyy"/>			To <input type="text" value="dd/mm/yyyy"/>			
Date of Rcv - From	<input type="text" value="dd/mm/yyyy"/>			To <input type="text" value="dd/mm/yyyy"/>			
All GSO <input checked="" type="checkbox"/> All N-GSO <input checked="" type="checkbox"/> or Nominal orbital position - in degrees (+) for East or (-) for West:							
From (-180)	<input type="text"/>			To (180) <input type="text"/>			
<input type="checkbox"/> I want only suppressed networks <input type="checkbox"/> Open the results in a new window							
<input type="button" value="Submit"/> <input type="button" value="Reset"/>							

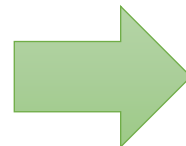
Your query : / Type = gso or ngso / Satellite network = AUSSAT A 160E / Earth station = none

[Complete list](#) - [Explanations](#) - [Export in txt format](#) - [Export in Excel format](#)

Total line = 6/6

Old networks related : [AUSSAT-1](#) /

ID number (SNS)	adm	ORG or Geo.area	Satellite name	Earth station	long_nom	Date of receipt	ssn_ref	ssn_no	ssn rev	ssn rev no	Part/ Art.	WIC/IFIC (ific.mdb)	WIC/IFIC date
up down	up down	up down	up down	up down	up down	up down	up down	up down				up down	
90500089	AUS		AUSSAT A 160E		160	28.06.1991	AR11/C	296	M	1		1987	30.07.1991
90500083	AUS		AUSSAT A 160E		160		PART I-S					2232	18.06.1996
90500083	AUS		AUSSAT A 160E		160		PART II-S					2235	09.07.1996
	AUS		AUSSAT A 160E		160	07.09.1998	RES49	72				2409	21.12.1999
90500089	AUS		AUSSAT A 160E		160	21.02.1984	AP30/C	73				2455	16.10.2001
90500083	AUS		AUSSAT A 160E		160	05.06.2007	RES4	382				2630	14.10.2008



BRINGING INTO USE

SNL

- The column “Status” indicates: **C** (Confirmed), **N** (Not yet confirmed)
- If the assignment is not yet confirmed, the column “Date of bringing into use” indicates the foreseen date and the column “Expiry Date” indicates the date before which the assignment has to be brought into use

- Frequency assignments appear after their publication in PART I-S
- Information provided by Administrations
- Official publications only in the BRIFIC

SATELLITE NETWORK INFORMATION

- Bringing into use
- Suspension
- Change of names
- Change of notifying administration
- Removal of obsolete API and CR
- Resolution 32
- Resolution 35
- Resolution 40
- Notex Online Query

Satellite Name (SNL Part B)	ADM	ORG	Long_nom	Date of bringing into use	Status	Expiry Date for Bringing Into Use	Provision
<u>up down</u>	<u>up down</u>	<u>up down</u>	<u>up down</u>	<u>up down</u>	<u>up down</u>	<u>up down</u>	<u>up down</u>
<u>102</u>	CAN		N-GSO	26.05.2022	C		11.2
<u>1KUNS-PF</u>	KEN		N-GSO	10.02.2024	N	10.02.2024	11.2
<u>2M8M-SAT</u>	CHN		N-GSO	31.03.2018	C		11.2
<u>3CAT5B</u>	E		N-GSO	17.06.2019	C		11.2
<u>3ECOM-1</u>	LIE		N-GSO	17.11.2019	C		11.2
<u>3ECOM-3</u>	LIE		N-GSO	09.03.2020	C		11.2
<u>3GSAT-G17R</u>	F		10	01.03.2010	C		11.2
<u>A4NG_TM</u>	F		N-GSO	01.06.2023	N	27.07.2027	11.2
<u>AA10-1</u>	ETM		N-GSO	23.06.2017	C		11.2

SUSPENSION

SNL

- The column “Date of suspension” indicates the date on which the suspension has begun
- The column “Status” indicates: **S** (under suspension), **R** (Resumption)
- The column “Type” indicates: **P** (partially suspended), **T** (Totally)

- Information provided by Administrations
- Official publications only in the BRIFIC

SATELLITE NETWORK INFORMATION

- › Bringing into use
- › Suspension
- › Change of names
- › Change of notifying administration
- › Removal of obsolete API and CR
- › Resolution 32
- › Resolution 35
- › Resolution 40
- › Notex Online Query

Notice ID (SNS)	Satellite Name (Link to SNL)	ADM	ORG	Long_nom	Status	Type	Date of receipt of the suspension	Date of suspension	Date limit for the resumption	Date of resumption of operation	Provision
up down	up down	up down		up down	up down			up down	up down		up down
102500428	SICRAL-2A	I		16.2	S	T	09.08.2021	15.05.2021	15.05.2024		11.49
109500089	SICRAL-3A	I		16.2	S	T	09.08.2021	15.05.2021	15.05.2024		11.49
119500178	AMS-B2-13.8E	ISR		13.8	S	P	17.11.2019	13.11.2019	29.07.2023		11.49
119500223	AMS-B7-13.8E	ISR		13.8	S	P	17.11.2019	13.11.2019	29.07.2023		11.49
119500178	AMS-B2-13.8E	ISR		13.8	R	P	04.06.2019	16.05.2019		15.08.2019	11.49
119500178	AMS-B2-13.8E	ISR		13.8	S	P	04.06.2019	16.05.2019	29.07.2023		11.49

CONCLUSION

Space services
website

Regulatory requirements:

- As-received
- Bringing into use (Nos. 11.44B, 11.44C, 11.44D, 11.44E), Suspension of use (No. 11.49)
- Resolutions (Res. 35, Res. 40, Res. 155, Res. 769, Res. 907, Res. 908, etc...)
- Appendix 30/30A/30B

Online systems:

- E-submission
- E-communication
- SNS online
- SNL online
- Notex
- Space explorer

Thank you!

ITU – Radiocommunication Bureau

Questions to brmail@itu.int or xavier.laurenson@itu.int

