

ITUEvents

# ITU World Radiocommunication Seminar 2018

3-7 December 2018  
Geneva, Switzerland

[www.itu.int/go/ITU-R/WRS-18](http://www.itu.int/go/ITU-R/WRS-18)



BR IFIC (Space Services)  
and Space website

Chuen Chern Loo  
Space Publication and Registration  
Division,  
Space Services Department  
Radiocommunication Bureau





أهلاً وسهلاً Welcome 欢迎 Bienvenido Bienvenue Добро пожаловать!

# Regulations relating to BR IFIC



## Advance Public

**9.1** .....shall send to the Bureau a description of the nature of the system to be published in the BR IFIC. In the case of a Special Section, the description shall also include the basic characteristics of the system for advance publication in the BR IFIC.

**9.2B** On receipt of a notice under Nos. 9.1 and 9.2A, the Bureau shall, in a Special Section, publish the information published by the administration, if it is not unacceptable or planned satellite system, within four months of the date of publication in the BR IFIC. The Bureau shall communicate to the publishing administration its comments on the part of the anticipated interference to its existing planned systems. ....

**9.38 d)** publish, as appropriate, the complete information in the BR IFIC within four months. Where the Bureau is not in a position to comply with the time-limit referred to above, it shall periodically so inform the administrations, giving the reasons therefor.

**9.40 e)** inform the administrations concerned of its actions and communicate the results of its calculations, drawings

**9.41** Following receipt of a notice referring to Nos. 9.7 to 9.7B, that it, or any of the identified administrations, shall, on receipt of the date of publication in the BR IFIC, inform the identified administrations, as appropriate, and

**11.43** In every case when a new assignment is recorded in the Master Register it shall, in accordance with the provisions of Article 8 of this Chapter, include an indication of the finding reflecting the status of the assignment. This information shall also be published in the BR IFIC.

**9.51** Following its action under No. 9.50, the administration with which coordination was sought under Nos. 9.7 to 9.7B shall, within four months of the date of publication of the BR IFIC under No. 9.38, either inform the requesting administration and the Bureau of its agreement or act under No. 9.52.

**9.52** If an administration, following its action under No. 9.50, does not agree to the request for coordination, it shall, within four months of the date of publication of the BR IFIC under

No. 9.38, or of the date of dispatch of the notice, inform the Bureau of its decision. If the administration agrees to the request, it shall, within four months of the date of dispatch of the notice, inform the Bureau of its decision. If the administration does not agree to the request, it shall, within four months of the date of dispatch of the notice, inform the Bureau of its decision. If the administration agrees to the request, it shall, within four months of the date of dispatch of the notice, inform the Bureau of its decision. If the administration does not agree to the request, it shall, within four months of the date of dispatch of the notice, inform the Bureau of its decision.

**11.44B** A frequency assignment to a space station in the geostationary-satellite orbit shall be considered as having been brought into use when a space station in the geostationary-satellite orbit with the capability of transmitting or receiving that frequency assignment has been deployed and maintained at the notified orbital position for a continuous period of 90 days. The notifying administration shall so inform the Bureau within 30 days from the end of the 90-day period. On receipt of the information sent under this provision, the Bureau shall make that information available on the ITU website as soon as possible and shall publish it in the BR IFIC. Resolution 40 (WRC-15) shall apply.

**11.49** Wherever the use of a recorded frequency assignment to a space station is suspended for a period exceeding six months, the notifying administration shall inform the Bureau of the date on which such use was suspended. When the recorded assignment is brought back into use, the notifying administration shall, subject to the provisions of No. 11.49.1, when applicable, so inform the Bureau, as soon as possible. On receipt of the information sent under this provision, the Bureau shall make that information available as soon as possible on the ITU website and shall publish it in the BR IFIC.

**11.49.1** When applicable, the notifying administration shall, on receipt of the information sent under this provision, the Bureau shall make that information available as soon as possible on the ITU website and shall publish it in the BR IFIC.



# Regulatory requirements for information to be published in a BR IFIC

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- **Characteristics of satellite networks, earth stations and radio astronomy stations required in Annex 2 of Appendix 4**
  - **List of administrations with which coordination may need to be effected**
  - **Findings**
  - **Comments received from administrations in response to a BR IFIC**
  - **Bringing into use of assignments**
  - **Suspension of assignments**
-





# Main features of the BR IFIC (Space Services)

- **All PARTs and special section publications are in 6 languages of the Union**
  - originally from 10.01.2000 in English, French, Spanish and as of 01.01.2005 also in Arabic, Chinese and Russian language
- **Format of the BR IFIC**
  - From BR IFIC 2410/11.01.2000 CDROM
  - From BR IFIC 2710/10.01.2012 DVD-ROM
  - From BR IFIC 2833/22.11.2016 *DUAL Layer DVD-ROM*
- **ISO image of the DVD-ROM is available for download from the ITU website**
- **Publications are distributed in PDF format with official ITU logo**
- **Various database distributed in mdb format accompanying the publications**





# Contents of the BR IFIC

- **Regulatory publications**
  - Special Sections
  - Part I-S, II-S, III-S
- **Database**
  - IFIC, SRS, Gims, SPS
- **Preface**
- **BR space software**
- **Circular letters related to space services**
- **Cost recovery invoices status**
- **SpaceCOM Draft files**

# BR IFIC 2884

International Frequency  
Information Circular  
(Space Services)

27.11.2018



BR IFIC Publications

Databases

Preface

Cost Recovery

BR Software

BR Circular Letters

Special Sections

-- ALL --

AP30-30A/E

AP30/E

AP30A/E

AP30B/A6A

AP30B/A6B

API/A

Parts I-S, II-S, III-S

-- ALL --

PART I-S

PART II-S

PART III-S

Administrations

AUS

AZE

B

BOL

BUL

CAN

CHN

NEWS

SNS - Removal

Print instructions

## BR IFIC PUBLICATIONS – TABLE OF CONTENTS

Print Table of Contents

SPECIAL SECTION / PART	PLAN PART	RESPONSIBLE ADMINISTRATION		NAME OF THE SPACE STATION	ORB. POS.	NAME OF THE ASSOCIATED EARTH STATION	IDENTIFICATION NUMBER
		ADM.	INTERG. ORG.				
AP30/E/532	B	HOL		NSS-BSS 57E	57		110552013
AP30/E/533	B	HOL		NSS-BSS 100E	100		110552014
AP30/E/809	A	RUS	IK	IK-16W-BD	-16		118552007
AP30-30A/E/548	B	B		B-SAT-3C	-70		110555004
AP30A/E/532	B	HOL		NSS-BSS 57E	57		110554013
AP30A/E/533	B	HOL		NSS-BSS 100E	100		110554014
AP30B/A6A/162 SUP		UAE		YAHSAT-FSS-60E	60		110559031
AP30B/A6A/549		E		HISPASAT-70A	-61		118559001
AP30B/A6A/550		F		F-SAT-30B-117.4E	117.4		118559002
AP30B/A6A/551		ISR		AMS-30B-A1-39.5W	-39.5		118559003
AP30B/A6A/552		F		F-SAT-30B-139W	-139		118559005

# Regulatory publications



## ➤ Notification for recording in the MIFR:

- Part I-S
  - *characteristics of the satellite network, earth station or radio astronomy station, also constitutes the acknowledgement of receipt of the notice*
- Part II-S
  - *Frequency assignments recorded in the MIFR*
- Part III-S
  - *Frequency assignments returned to the administrations*

## ➤ Special sections

- API/A, API/B
- CR/C, CR/F, CR/D, CR/E
- AP30/E, AP30A/E, AP30-30A/E
- AP30-30A/F/C, AP30-30A/F/D
- AP30B/A6A, AP30B/A6B, AP30B/A7
- RES4, RES49, RES552
- Etc.

Note that these official publications in PDF format are available solely on the BR IFIC!





# BR IFIC publication schedule

- published **once every two weeks** by the Bureau
- Publication date is always on Tuesday
- Generally 25 issues per year
- *4 months time limit for regulatory comments of various provisions start from date of publication of BR IFIC*
- Schedule available for consultation at:  
<https://www.itu.int/en/ITU-R/space/Pages/brificSchedule.aspx>

## BR IFIC (Space services) - Schedule

YOU ARE HERE HOME > ITU-R > SPACE SERVICES

SHARE

The BR international frequency information circular (BR IFIC) is published every two weeks.

Space Services Department

News

Space Support

BR IFIC

Preface

Year 2018				Year 2017			
BRIFIC No.	Date of publication	BRIFIC No.	Date of publication	BRIFIC No.	Date of publication	BRIFIC No.	Date of publication
2861	09.01.2018	2874	10.07.2018	2836	10.01.2017	2849	11.07.2017
2862	23.01.2018	2875	24.07.2018	2837	24.01.2017	2850	25.07.2017

# Databases distributed on the BR IFIC



- IFIC
- SRS
- AP30\_30A
- AP30B
- GIMS
- SpaceCom (draft)

# BR Space IFIC Database



The *IFICxxxx.mdb* database (MS Access format), published on the BR IFIC, is located in the Databases\IFIC\_data directory.

- This file contains AP4 data of satellite networks, Earth stations or Radioastronomy stations and their corresponding regulatory findings and coordination requirements *that are published in the current BR IFIC* concerning the following publications:
  - PART-IS, PART-IIS and PART-IIIS;
  - Special Sections: API/A, CR/C, CR/F, RES49, RES 552, RES 553 etc.
- BR space software tools are required to correctly browse and query the data concerning the satellite networks
- An archive of all IFICxxxx databases for the current year up to the IFIC number of the current DVD-ROM is found in the folder: Databases\IFIC\_Archive.
- IFICxxxx.mdb is *also* available on the BR website:

<https://www.itu.int/sns/demowic.html>

# SRS Database



The *SRSxxxx.mdb* file is distributed solely on the BR IFICxxxx (Space services) DVD in: ..\Databases\SRS\_Data directory

- This database contains information relating to all satellite networks, Earth stations or Radioastronomy stations **recorded** in the Master International Frequency Register (**MIFR**), published *in requests for coordination* or as advance publication of information, well as Due Diligence (Resolution 49 and 552).
- *The information in the SRSxxxx.mdb is a snapshot of the MIFR taken at the time the BR IFICxxxx DVD was produced*
- The SRS database structure is described in detail in Section III, Chapter 1 of the *Preface*
- In order to properly view and query the srs.mdb file, you should install either BRSIS-SpaceQry, SpaceCap or SpacePub from the \BR\_Soft\ folder located on this DVD.

For a chart on the SRS database structure, please refer to the file *SRSDiagramV8.pdf* available at  
...\BRIFIC2884\_S\Databases\SRS\_Data





# SRS database – linked files

- As of BR IFIC 2841, in order to circumvent the 2GB limit of the Microsoft Access MDB file format, the srsXXXX.mdb database file has been split into two linked database files, named respectively srsXXXX\_part1of2.mdb and srsXXXX\_part2of2.mdb, where XXXX is the BR IFIC publication number.
- All BRSoft V8 desktop applications that commonly needed to use the srsXXXX.mdb file, such as SpaceCap or BRSIS-SpaceQry, have been updated to support the new linked files.
- The files srsXXXX\_part1of2.mdb/srsXXXX\_part2of2.mdb must always be moved/copied/renamed together, i.e. they must be in the same directory and they may only be renamed in a consistent manner, such as “somename\_part1of2.mdb” and “somename\_part2of2.mdb”.
- The 2 files can be linked automatically using BRSoft V8 (BR IFIC 2841 or later) software. They can alternatively be linked manually using Microsoft Access.

Do not use the srsXXXX\_part2of2.mdb database file by itself. Always use the srsXXXX\_part1of2.mdb database file, after following one of the above two procedures

For more details, please refer to the file srsmdb\_E.pdf available at  
...\\BRIFIC2884\_S\Databases\SRS\_Data

# GRAF (GIMs reference) database



Complete Graphical Interference Management System (GIMS) reference database (REFDB) - *GRAFxxxx.mdb* data are published solely on the BR IFICxxxx (Space services) DVD-ROM in:  
Databases\GIMS\_Data directory

- GIMS users can choose whether to leave REFDB on the master folder, i.e. the DVD-ROM, or to work with a local copy on their PC
- REFDB Automatic Update
  - *Every time GIMS needs to connect to a local REFDB copy it checks in the master folder to see if a newer version of REFDB is available.*
  - *If the master folder is not accessible, which can frequently happen when it is located on the BR IFIC DVD-ROM, the local copy is considered up to date. Otherwise GIMS compares the local and master copies to decide whether an update is required.*



# Space Plan Data

Data for Planned Space Networks (Appendices 30, 30A & 30B)

- Technical characteristics and reference situation (EPM/OEPM – AP30/30A or C/I – AP30B) for Planned networks can be found in the:
  - \Databases\AP30\_30A\SPS\_ALL\_IFICxxxx (AP30&30A)
  - \Databases\AP30B\30B\_xxxx (AP30B)
- The MSPACEg output database and GIBC/PFD(terrestrial) technical examination results for each Appendix 30/30A Article 4 Part A network published in BR IFICxxxx can be found in the \databases\AP30\_30A\TEX\_results\ folder.
- The GIBC/AP30B output database for each Appendix 30B pending Article 6 network published in BR IFICxxxx can be found in the \databases\AP30B\TEX\_results\ folder. This database contains the detailed GIBC/AP30B calculation results.
- All Space Plan data are *also* distributed at the SSD website <https://www.itu.int/ITU-R/go/space-plans/en>



# BR IFIC (Space Services) – BRsoft

- SAM - PC-based software package used to launch ITU-BR Space Software Applications;
- SIS (SpaceQry), which can be used to query into the database and retrieve and view the alphanumeric data;
- SpaceCap, which allows the capture and electronic notification of Appendix 4 notices;
- SpacePub, an interactive tool to print satellite networks and earth stations;
- SpaceVal, which can be used for validating electronic notices that are in the SNS electronic notice format;
- SpaceRefdb, an update tool that will update the reference tables used by BR software;
- SpaceCom, management of the comments on API/A (not subject of Coordination procedure), CR/C, AP30/E, AP30A/E, AP30-30A/F/C Special Sections;
- SRSCovert, to convert the data contained in an existing SRS-formatted database from a version 5 database (WRC-03) into a version 6 database (WRC-07);
- GIMS, allows the capture and modification of graphical data relating to the electronic notification of satellite networks;
- IDWM, the ITU Digitized World Map;
- SPS, determination of the coordination requirements for the Plans for space networks in AP 30, 30A and 30B;
- SRSFixdb, to remove processing data and correct default information in electronic notification databases that are sent to the BR.
- GIBC, which provides the user with the ability to carry out calculations on satellite networks relating to PFD examinations, Appendix 7 and 8 and Appendix 30B
- EPFD, the equivalent power flux-density validation software

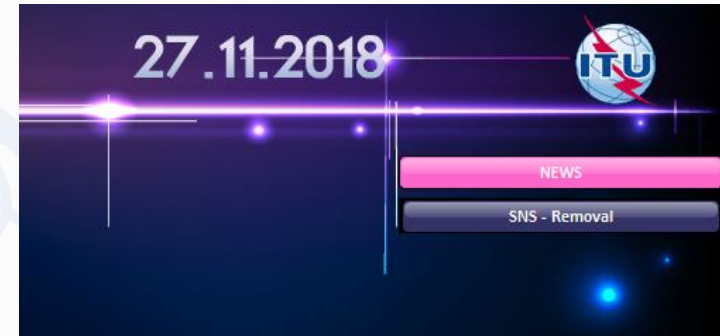
➤ **BRsoft is distributed ALSO** at the Bureau website: <https://www.itu.int/ITU-R/go/space-software/en>



# NEWS and SNS Removal

## ➤ News

- Any relevant information concerning the publications or databases to be brought to the attention of administrations



## ➤ SNS Removal

- For those assignments in coordination and API, where the notification has been recorded in the MIFR, and where the 7 years have passed (see CR/377 dated 27 January 2015)
  - <http://www.itu.int/snl/sns-removal.html>

# Cost recovery invoices status



## ➤ Free entitlement

- List of nomination of free entitlement
- Administrations should check this list if they wish to know if a request for free entitlement has been accepted

## ➤ Invoices Issued

- List of invoices issued
- Administrations should check this list if they wish to know if an invoice has been issued for the network that they have submitted and to note the payment due date

## ➤ Overdue Invoices

- List of invoices that are overdue
- Administrations should check this to be sure that there are no overdue invoices for their administrations

# Circular letters relating to space services



BRIFIC

## BR IFIC 2884

International Frequency  
Information Circular  
(Space Services)

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### BR CIRCULAR LETTERS - SPACE SERVICES

BR Circular Letters

Subject

CR/435

Submission of interference reports using the Web-based application "Satellite Interference Reporting and Resolution System" (SIRRS)

CR/434

Implementation of Resolution 908 (Rev.WRC-15) – Availability of the application "e-Submission of Satellite Network Filings"

CR/428

Availability of a trial version of the application "Satellite Interference Reporting and Resolution System" (SIRRS)

CR/427

Implementation of Resolution 908 (Rev.WRC-15)– Availability of a trial version of the application "e-Submission of Satellite Network Filings"

CR/420

Application of No. 9.3 of the Radio Regulations in the bands 2 025 2 110 MHz (Earth-to-space) and 2 200 2 290 MHz (space-to-Earth)

CR/415

Application of No. 9.1A of the Radio Regulations for the publication of advance publication information (API) for frequency assignments to satellite networks and systems subject to the coordination procedures under Section II of Article 9

# BR Space Services WIC/IFIC - Annual Collection



- The collection of BR WICs (Weekly Information Circulars) and BR IFICs (International Frequency Information Circulars) for Space Services contains Parts and Special Section publications with information on the frequency assignments for space stations, Earth stations or radioastronomy stations submitted to the Radiocommunication Bureau by ITU Member State administrations.
- The collection is distributed on multiple DVD-ROMs and contains archived BR WICs compiled by time series (1965-1995) and from 1996 by year (1996-1999), and archived BR IFICs (from 2000 onwards) by year.
- <https://www.itu.int/pub/R-SP-LN.IW-2018>







# Space Service Website & Online Services

**11.44B** A frequency assignment to a space station in the geostationary-satellite orbit shall be considered as having been brought into use when a space station in the geostationary-satellite orbit with the capability of transmitting or receiving that frequency assignment has been deployed and maintained at the notified orbital position for a continuous period of 90 days. The notifying administration shall so inform the Bureau within 30 days from the end of the 90-day period<sup>26, 27</sup>. On receipt of the information sent under this provision, the Bureau shall make that information available on the ITU website as soon as possible and shall publish it in the BR IFIC. Resolution **40 (WRC-15)** shall apply. (WRC-15)

**11.49** Wherever the use of a recorded frequency assignment to a space station is suspended for a period exceeding six months, the notifying administration shall inform the Bureau of the date on which such use was suspended. When the recorded assignment is brought back into use, the notifying administration shall, subject to the provisions of No. **11.49.1** when applicable, so inform the Bureau, as soon as possible. On receipt of the information sent under this provision, the Bureau shall make that information available as soon as possible on the ITU website and shall publish it in the BR IFIC.

## **Res40**

to make available the information provided in *resolves* 1 and 2 on the ITU website within 30 days of its receipt.

## **Res55**

1 to make available coordination requests and notifications referred to in *resolves* 1 “as received” within 30 days of receipt on its website;

## **Res155**

1 to examine the relevant part of this Resolution requiring actions to be taken by administrations to implement this Resolution, with a view to sending it to administrations and posting it on the ITU website;



# Space Service Website & Online Services

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

## ➤ **Regulatory requirements**

- As-received
- Bringing into use
- Suspension
- Resolution 40

## ➤ **Submissions/reporting to Bureau**

- E-Submissions for satellite network filings (Res 908)
- SIRRS – Interference reporting

## ➤ **Online query tools**

- SNS online
- SNL online



# Other useful webpages

- **Preface** <https://www.itu.int/ITU-R/go/space-preface/en>
- **BR space software** <https://www.itu.int/ITU-R/go/space-software/en>
- **Antenna pattern library** <https://www.itu.int/en/ITU-R/software/Pages/ant-pattern.aspx>
- **Seminar presentations and documents** <http://www.itu.int/ITU-R/go/space-presentation/en>
- **IFIC data** <https://www.itu.int/sns/demowic.html>
- **FSS Plan - AP30B (30B\_xxxx.mdb)**
  - <http://www.itu.int/ITU-R/go/space-plans-ap30b/en>
- **BSS Plans – AP30/30A (SPS\_ALL\_IFICxxxx.mdb)**
  - <https://www.itu.int/en/ITU-R/space/plans/Pages/AP30-30A.aspx>
- **Cost recovery documents and status of invoices**
  - <https://www.itu.int/ITU-R/go/space-cost-recovery/en>
- **Publications relating to change of notifying administration**
  - <https://www.itu.int/ITU-R/go/space-publication-change-of-administration/en>
- **Addresses of notifying administrations** [https://www.itu.int/online/mm/scripts/org\\_br\\_admin.list](https://www.itu.int/online/mm/scripts/org_br_admin.list)
- **ITU filing procedures for small satellites**
  - <https://www.itu.int/en/ITU-R/space/Pages/supportSmallSat.aspx>

# Space Services Department (SSD)

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## About SSD

The Space Services Department (SSD) is responsible for coordination and recording procedures for space systems and earth stations. The Department handles capture, processing and publication of data and carries out examination of frequency assignment 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

## BR IFIC & Preface

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

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Cost Recovery

## Cost recovery

In accordance with Resolution 55 rev of the Plenipotentiary Conference (Marrakech, 2002) and Council Decision 452 modified (C2005), cost recovery is to apply to satellite network filings received by the Radiocommunication Bureau after 7 November 1995.

More >

SNL ONLINE

## SNL Online

Space Network List online provides basic information concerning planned or existing space stations, earth stations and radio astronomy stations; also it gives information on the use of the frequency spectrum, on the occupancy of the orbits, on the reference publications and on pending networks.

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 Online

The Space Network System online enables access to the SNS database of the Radiocommunication Bureau. It provides the SNS data of planned and non-planned satellite networks. A TIGS account or a subscription is needed to access the service.

More >

## Activities

- ITU Satellite Symposium 2016 - Geneva, 28-30 Nov: **Now!**
- e-Submissions of satellite network filings (Resolution 908): **now live!**
- SIRRS - Interference Reporting: **Release for Official Use as of 1<sup>st</sup> September 2018**
- Space Seminars and Workshops
- Submission of typical earth stations in the fixed-satellite service
- Space services - E-learning center
- Res.609 (rev. WRC-07) - Consultation meeting
- Supervisory Authority of the future international registration system for Space Assets

Space Activities

Space PLANS

- Databases
- Tools
- News

Space Support

Quick Links

SNS ONLINE

## Databases

- Bringing into use of satellite networks
- Suspension of satellite networks
- Information received (SNL-C)
- Addresses of notifying administrations
- Emergency radiocommunication (Res. 647)

## Quick links

- e-Submissions of satellite network filings
- SIRRS - Interference Reporting
- Radio Regulations (edition of 2016)
- Final Acts of WRCs
- Radio Regulations Board (RRB)
- ITU-R Circular letter
- ITU-R Circular Telegrams (CTITU)
- Space Services - Seminar and Workshops

# Online services: SNS and SNL online



## ➤ 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 SNS v8 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
- Also list of satellite networks that have been received but not yet published
- List 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>



# SNL - BRINGING INTO USE

- The column “Confirmed brought into use” indicates the status of the assignments:  
**Y** (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
- Queries can be performed on this list
- The result can be exported in text format or Excel format

Notice ID (SNS)	Satellite Name (SNL Part B)	ADM	ORG	Long_nom	Date of bringing into use	Status	Expiry Date for Bringing Into Use	Provision
<a href="#">up down</a>	<a href="#">up down</a>	<a href="#">up down</a>		<a href="#">up down</a>	<a href="#">up down</a>	<a href="#">up down</a>	<a href="#">up down</a>	<a href="#">up down</a>
<a href="#">110500239</a>	<a href="#">3GSAT-G17R</a>	F		10	01.03.2010	C		11.2
<a href="#">114500032</a>	<a href="#">AALTO-1</a>	FIN		N-GSO	01.09.2014	N	16.10.2020	11.2
<a href="#">116500034</a>	<a href="#">AAUSAT4</a>	DNK		N-GSO	22.04.2016	N	11.07.2021	11.2
<a href="#">98500190</a>	<a href="#">ACE</a>	USA		N-GSO	25.08.1997	C		11.2
<a href="#">115500049</a>	<a href="#">ACES</a>	F	ESA	N-GSO	01.07.2016	N	30.03.2022	11.2
<a href="#">115500049</a>	<a href="#">ACES</a>	F	ESA	N-GSO	01.07.2017	N	30.03.2022	11.2
<a href="#">102500532</a>	<a href="#">ACS-1</a>	USA		-101	01.05.1995	C		11.2
<a href="#">110500203</a>	<a href="#">ADF 156E GOV</a>	AUS		156	01.05.2008	C		11.2
<a href="#">112500258</a>	<a href="#">ADF UHF-2</a>	AUS		72.1	14.05.2012	C		11.2
<a href="#">112500276</a>	<a href="#">ADF WEST-2</a>	AUS		88	03.03.2012	C		11.2

# SNL – SUSPENDED SATELLITE NETWORKS

- The column “Date of suspension” indicates the date on which the suspension has begun
- If the column “Date of resumption” is empty, the network has not resumed its operation
- Under provision No.11.49 or § 8.17 of Article 8 of Appendix 30B, *a network can be suspended up to 3 years*
- Queries can be performed on the list
- The result can be exported in text format or Excel format

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
<a href="#">up down</a>	<a href="#">up down</a>	<a href="#">up down</a>		<a href="#">up down</a>	<a href="#">up down</a>			<a href="#">up down</a>	<a href="#">up down</a>		<a href="#">up down</a>
<a href="#">116500100</a>	<a href="#">NEW DAWN 22</a>	PNG		62	S	P	29.09.2016	01.08.2016	01.08.2019		11.49
<a href="#">114500160</a>	<a href="#">CTDRS-2-20.4E</a>	CHN		20.4	S	T	27.09.2016	02.07.2016	02.07.2019		11.49
<a href="#">102500255</a>	<a href="#">B-SAT E</a>	B		-63	S	T	30.08.2016	20.06.2016	20.06.2019		11.49
<a href="#">113500171</a>	<a href="#">CTDRS-2-171E</a>	CHN		171	S	T	27.09.2016	24.05.2016	24.05.2019		11.49
<a href="#">115500032</a>	<a href="#">DRN-P2B</a>	F		21.5	S	T	22.06.2016	22.05.2016	22.05.2019		11.49
<a href="#">102500435</a>	<a href="#">ARTEMIS-21.5E-DR</a>	G		21.5	S	T	02.06.2016	21.05.2016	21.05.2019		11.49
<a href="#">106500361</a>	<a href="#">ARTEMIS-21.5E-LM</a>	G		21.5	S	T	02.06.2016	21.05.2016	21.05.2019		11.49
<a href="#">108500574</a>	<a href="#">ARTEMIS-21.5E-NAV</a>	G		21.5	S	T	02.06.2016	21.05.2016	21.05.2019		11.49
<a href="#">115500217</a>	<a href="#">B-SAT-2F</a>	B		-92	S	T	10.06.2016	12.04.2016	12.04.2019		11.49
<a href="#">113500050</a>	<a href="#">B-SAT-1W</a>	B		-48	S	P	16.08.2016	08.04.2016	08.04.2019		11.49
<a href="#">114500140</a>	<a href="#">ARABSAT 7B-26E</a>	ARS	ARB	26	R	P	10.03.2016	23.02.2016		26.06.2016	11.49
<a href="#">113500044</a>	<a href="#">ARABSAT 7F-44.5E</a>	ARS	ARB	44.5	S	P	03.04.2016	19.02.2016	19.02.2019		11.49

# Resolution 40



## Use of one station to bring frequency assignments to geostationary-satellite networks at different orbital locations into use within a short period of time (Resolution 40 - WRC-15)

- ▶ The World Radiocommunication Conference, Geneva 2015 (WRC-15) adopted Resolution 40(WRC-15) which entered into force on 28 November 2015 and deals with the use of one space station to bring frequency assignments to geostationary-satellite networks at different orbital locations into use within a short period of time.
- ▶ In accordance with resolves 1 of Resolution 40 (WRC-15), when informing the Bureau of the bringing into use, or bringing back into use after suspension, of a frequency assignment to a space station in a geostationary-satellite network, the notifying administration shall indicate to the Bureau whether or not this action has been accomplished with a space station that has previously been used to bring into use, or resume the use of, frequency assignments at a different orbital location within the three years prior to the date of submission of this information and if so, in accordance with resolves 2, shall provide information relative to the previous location.
- ▶ The Bureau is making available information received form administrations in the table below. Last update: **18.10.2018**

- ▶ [Form to submit Resolution 40 data to the Bureau](#)
- ▶ [Circular Letter CR/396 of 31.03.2016](#)
- ▶ [List of bringing into use](#)
- ▶ [List of suspension](#)

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Satellite name	ADM	ORG	Orbital position	DBIU	Provisions	satellite relocation	Previous orbital position	Previous associated satellite network	Date relocated
<a href="#">up down</a>	<a href="#">up down</a>		<a href="#">up down</a>	<a href="#">up down</a>					
<a href="#">AFRISAT 3W-PKU</a>	PNG		-3	30.08.2016	30B#8.1	NO			
<a href="#">AFRISAT BSS-3W</a>	PNG		-3	28.08.2015	5.1.6	NO			
<a href="#">ALCOMSAT-24.8W</a>	ALG		-24.8	18.12.2017	30/30A#5	NO			
<a href="#">ALCOMSAT-24.8W</a>	ALG		-24.8	18.12.2017	11.2	NO			
<a href="#">ALGBSAT-24.8W</a>	ALG		-24.8	18.12.2017	5.1.2/5.1.6	NO			
<a href="#">AM-SAT AF3 BSS</a>	G		51	08.06.2017	5.2.10	YES	50.75	NSS-BSS 50.75E	07.06.2017
<a href="#">AM-SAT-108.2E-G</a>	G		108.2	01.06.2016	11.2	NO			
<a href="#">AMS-CK-4W</a>	ISR		-4	20.06.2008	11.2	NO			
<a href="#">AMS-CK-4W</a>	ISR		-4	24.02.2017	11.2	YES	105.5	ASIASAT-CKW	10.01.2017
<a href="#">ANIK-F2R</a>	CAN		-111.1	15.03.2017	11.2	NO			
<a href="#">ANIK-F3R</a>	CAN		-118.7	15.03.2017	11.2	NO			
<a href="#">ARABSAT 7A-</a>	ARS	ARB	30.5	20.10.2015	11.2	NO			



Thank you for your attention!

