

**ITUWRS**  
ONLINE2020

29<sup>TH</sup> WORLD RADIOCOMMUNICATION SEMINAR  
30 November - 11 December 2020

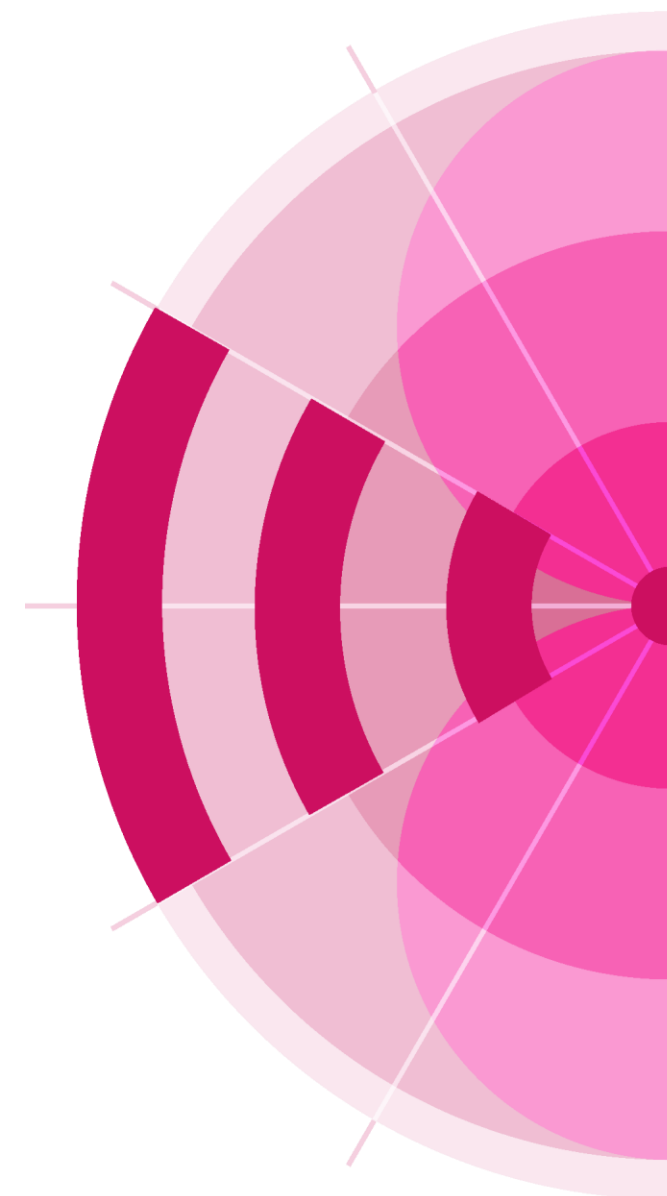
# Space online services

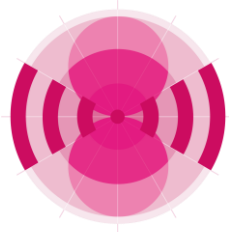
**Chuen Chern Loo**

*Head, Space Publication and Registration Division*  
Space Service Department, Radiocommunication Bureau  
International Telecommunication Union  
Email: [chuen-chern.loo@itu.int](mailto:chuen-chern.loo@itu.int)

[www.itu.int/go/wrs-20](http://www.itu.int/go/wrs-20)

#ITUWRS





**ITUWRS**  
ONLINE2020

## 29<sup>TH</sup> WORLD RADIOCOMMUNICATION SEMINAR 30 November - 11 December 2020

# Table of Contents

- Space Services website
  - BRIFIC
  - Space plans
  - Cost recovery
  - Space support
  - Others
- Web services:
  - e-Submission
  - Online Interference reporting – SIRRS
  - e-Communication
  - SNS online / SNL online
- Address of notifying administration
- As-received
- Future Developments



**ITUWRS**  
ONLINE2020



# Space Services Website & Online Services

- Regulatory requirements
  - As-received
    - Resolution 55 (Rev. WRC-19)
    - Resubmission No.11.46
    - Comments No. 9.3.1
  - Bringing into use Nos.11.44B,11.44C, 11.44D, 11.44E
  - Suspension No.11.49
  - Resolution 35
  - Resolution 40
  - Appendix 4
  - Resolution 155 (Rev.WRC-19)
  - Appendix 30/30A/30B
  - Resolution 907 (Rev. WRC-15), Resolution 908 (Rev. WRC-15)
  - Resolution 769 (WRC-19)

# Space Services Website

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

## Space Services Department (SSD)

### 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 >](#)

### 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.

### 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 TIES account or a subscription is needed to access the service.



# Space Services Website

## - BR IFIC (Space services)

This website provides complementary information and services to the regulatory publications that are distributed in the BRIFIC DVD

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

# Space Services Website

## – BR IFIC (Space services) Browse Table of Contents

Query by publication references - Last update: IFIC 2933 of 11/10/2020

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"/>		
Satellite Name <small>(To select from the list or to type)</small>	<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" value="2932"/>	Year	<input type="text"/>
IFIC Date - From	<input type="text"/>	To	<input type="text"/>
Date of Rcv - From	<input type="text"/>	To	<input type="text"/>

Your query : / Type = gso or ngso / Earth station = none / IFIC = 2932

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

From (-180)

Total line = 200/204

Go to page : 1 2

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

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
<a href="#">up</a> <a href="#">down</a>	<a href="#">up</a> <a href="#">down</a>	<a href="#">up</a> <a href="#">down</a>	<a href="#">up</a> <a href="#">down</a>	<a href="#">up</a> <a href="#">down</a>	<a href="#">up</a> <a href="#">down</a>	<a href="#">up</a> <a href="#">down</a>	<a href="#">up</a> <a href="#">down</a>	<a href="#">up</a> <a href="#">down</a>					<a href="#">up</a> <a href="#">down</a>	
<a href="#">120552008</a>	MAU		MAU_300		68.4	19.05.2020	AP30/E	844				A	2932	27.10.2020
<a href="#">120552009</a>	UGA		UGASAT		-26.6	21.05.2020	AP30/E	845				A	2932	27.10.2020
<a href="#">120552010</a>	NMB		NMB_SAT		-34	21.05.2020	AP30/E	846				A	2932	27.10.2020
<a href="#">120552011</a>	RRW		BSS-RRW		-9.2	21.05.2020	AP30/E	847				A	2932	27.10.2020
<a href="#">120552012</a>	MOZ		MOZ_SAT		-8.2	21.05.2020	AP30/E	848				A	2932	27.10.2020
<a href="#">120552013</a>	SDN		SUDANBSS		-16	21.05.2020	AP30/E	849				A	2932	27.10.2020
<a href="#">120552014</a>	BOT		BOT_001		-26.6	21.05.2020	AP30/E	850				A	2932	27.10.2020
<a href="#">120552015</a>	ZMB		ZMB_2020		-23.9	21.05.2020	AP30/E	851				A	2932	27.10.2020
<a href="#">120552016</a>	KEN		KEN_SAT_001		-9.2	21.05.2020	AP30/E	852				A	2932	27.10.2020
<a href="#">120552017</a>	ZWE		ZWE_2020		-16	21.05.2020	AP30/E	853				A	2932	27.10.2020
<a href="#">120552018</a>	BEN		BEN_SAT		-30.6	21.05.2020	AP30/E	854				A	2932	27.10.2020
<a href="#">120552019</a>	TCD		TOUMAI		-34	21.05.2020	AP30/E	855				A	2932	27.10.2020
<a href="#">120552020</a>	MWI		MWI_SAT		-23.5	21.05.2020	AP30/E	856				A	2932	27.10.2020
<a href="#">120552021</a>	GAB		GAB_37.3W		-37.3	21.05.2020	AP30/E	857				A	2932	27.10.2020
<a href="#">120552022</a>	MLI		MLI_SAT_100		-42	21.05.2020	AP30/E	858				A	2932	27.10.2020



# Online download of ISO image of BRIFIC (Space Services) DVD

<http://www.itu.int/pub/R-SP-LN.IS>

- The ISO image is the exact copy of the BR IFIC on DVD-ROM. It is made available on the BR IFIC publication date and provides a secure local reproduction of the BR IFIC data
- 1 designated user (with a TIES user name) per Administration (free)
- Some Administrations have a convenient 2-10 multi-user license including a 2nd DVD, and thus benefit with additional online users, on annually paying basis;
- Possible to also purchase individual ISO copy of DVD
- This service is managed by the ITU Sales Department, therefore please contact [Sales@itu.int](mailto:Sales@itu.int) for questions on access or pricing

Due to the COVID-19 pandemic, DVD delivery was suspended from BR IFIC No. 2917 of 31 March 2020 and restarted with BR IFIC No. 2931 of 13 October 2020.

During this period, the ISO image was the only means to access the BRIFIC

# Space Services Website

## - BR IFIC (Space services) IFIC mdb files

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

- The IFIC mdb file is distributed with each BRIFIC (Space services) DVD
- In addition to providing the data in SNS format for all satellite networks published in the specific BRIFIC, 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 8 Databases	Version 9 Databases	Table of Contents
10.11.2020		2933	<a href="#">View</a>
27.10.2020		2932	<a href="#">View</a>
13.10.2020		2931	<a href="#">View</a>
29.09.2020		2930	<a href="#">View</a>
15.09.2020		2929	<a href="#">View</a>
01.09.2020		2928	<a href="#">View</a>
18.08.2020		2927	<a href="#">View</a>
04.08.2020		2926	<a href="#">View</a>
21.07.2020	2925	2925	<a href="#">View</a>
07.07.2020	2924	2924	<a href="#">View</a>
23.06.2020	2923	2923	<a href="#">View</a>
09.06.2020	2922	2922	<a href="#">View</a>
26.05.2020	2921	2921	<a href="#">View</a>
12.05.2020	2920	2920	<a href="#">View</a>
28.04.2020	2919	2919	<a href="#">View</a>

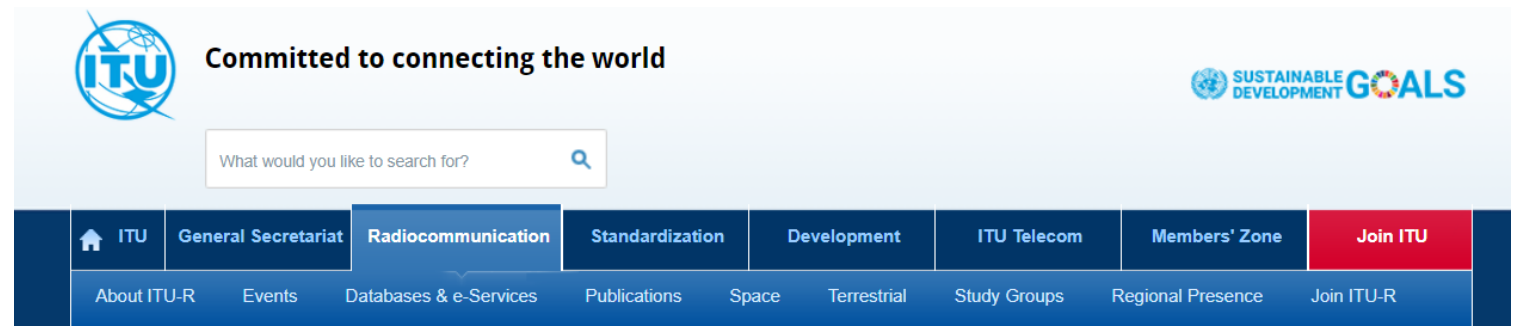


# Space Services Website

## - BR IFIC (Space services) Additional information

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

SHARE    

Type	category	ntc_id	adm	org	sat_name	long	ssn_ref	ssn_rev	d_wic	wic_no
	Interference Analysis	114520266	LIE		3ECOM-1	N-GSO	CR/C	3738	29.10.2019	2907
	Interference Analysis	113520120	G		L5	N-GSO	CR/C	3413	23.01.2018	2862
	Interference Analysis	114520267	F		MCSAT-2 HEO	N-GSO	CR/C	3728	29.09.2020	2930
	Interference Analysis	118520241	J		QZSS-A	N-GSO	CR/C	4270	06.08.2019	2901
	Interference Analysis	113520061	AUS		SIRION-1	N-GSO	CR/C	3364	11.12.2018	2885

# Space Services Website - Space Plans

## Space Plans

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

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

### 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](#)

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 processed at that time.

### 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 \[COM5/3\] \(WRC-19\)](#) **NEW**

### GROUPS

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



# Space Services Website

## - Cost recovery for satellite network filings

### Information relating to cost recovery of satellite network filings

- 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!
- List of all satellite networks nominated as free entitlement
- Background documentation
  - Copies of all revisions of the Council Decision 482 and relevant BR circular letters

# Space Services Website

## - Space support

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

- 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
  - API
  - ITU filing procedures for small satellites
  - Antenna Pattern Library
  - NOTEX online query
  - Seminar/Workshops
  - FAQ

# BR Space software

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

## Space networks and related software

### Download

All v9 software are now packaged in one global installation, available for download: [Installer-v9.0.1.54.exe](#) ([Release notes](#))

#### [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](#)

Software package which allows the capture and modification of graphical data relating to the electronic notification of satellite networks.

#### [SAM - Space Applications Manager](#)

This software provides the user with a unique tool to easily run all installed BR Space Applications software from a global, menu-driven list, rather than searching for and starting applications individually.

#### [SNL - Space Network List](#)

#### [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.

#### [SpaceRefdb – Space Reference Tables](#)

Software to install an up-to-date copy of the BR Reference tables.

#### [SpaceVal – Space Filings Validation Software](#)

Software for validating electronic notices captured by the BR SpaceCap software; provides interactive validation facility in SpaceCap.

## e-Submission of Satellite Network Filings

Access to **e-Submission of Satellite Network Filings**:

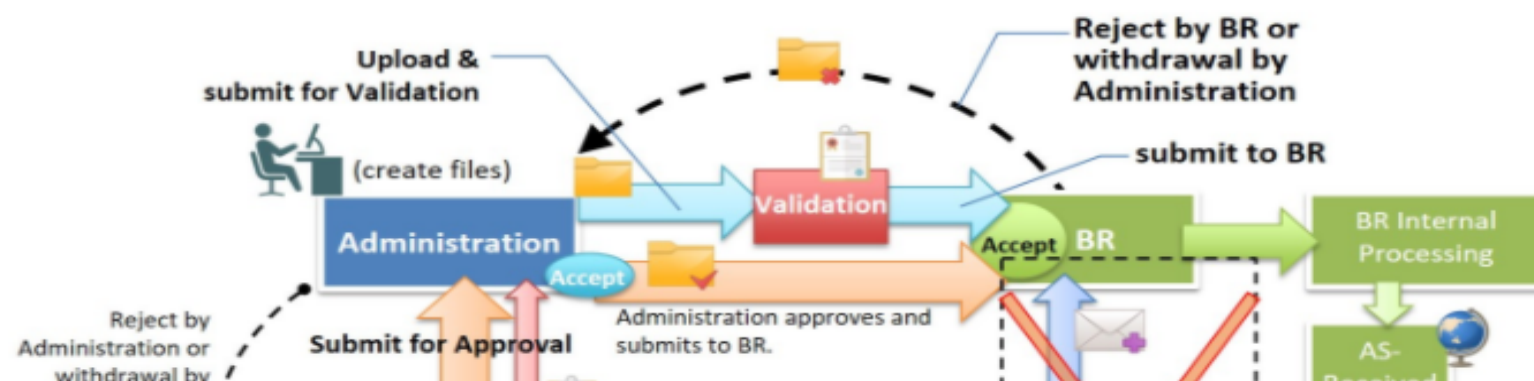
<https://www.itu.int/ITU-R/space/e-submission>



### What is e-Submission of Satellite Network Filings?

The **e-Submission of Satellite Network Filings** is a secure paperless electronic approach for Administrations and Operators to submit all satellite network filings and comments with any attachment files.

This system has been developed under [Resolution 908 \(Rev.WRC-15\)](#): Electronic submission and publication of satellite network filings.



### What's New / NEWS

[System was updated !](#)(23.06.2019)

[All notices subject to as-received \(res55\) are linked](#) (07.05.2019)

[System was updated !](#)(07.04.2019)

[System was updated !](#)(12.01.2019)

[Any submissions of filings or SpaceCom comments are not accepted by email after 15 January 2019](#) (20.12.2018)

[System was updated !](#) (22.10.2018)

[New Notes](#) were added! (03.09.2018)

[Implementation of Resolution 908 \(Rev. WRC-15\) \(CR/434\) was published!](#) (01.08.2018)

[Rules of Procedure](#) was revised and

# e-Submission of Satellite Network Filings

<https://www.itu.int/itu-r/go/space-submission>

- e-Submission is a web-based secure paperless online system for Administrations and satellite operating agencies to submit all satellite network filings and SpaceCom comment files.
- Developed in response to Resolution 908 (Rev.WRC-15)
- Online submissions from Administrations to the Bureau through e-Submission **mandatory** as of 1 August 2018!
- TIES account is necessary before getting access rights to the system.
  - ✓ If you don't have TIES user account, please obtain it via TIES Services.
- Each Administration needs to nominate Administration Manager role(s) to ITU.
  - ✓ Nominate Administration Managers if your Administration hasn't been registered
- Your Administration Manager registers your TIES account as Administration User or Operator users on the system.

Number of administrations registered on the system: 144

Number of users registered: 700





# SIRRS

## Satellite Interference Reporting and Resolution System

*( Release for Official Use as of 1<sup>st</sup> September 2018 )*

This online application has been developed by the Radiocommunication Bureau in response to Resolution 186 of ITU Plenipotentiary Conference 2014 with the aim to facilitate Administrations and space stakeholders to report a case of harmful interference affecting space services, to request assistance from the BR, to be informed in case a radio station under your jurisdiction is causing harmful interference to space services of other Administrations, and to exchange all necessary information among the concerned parties involved in the case.

In order to be able to use the system, a user account must be open as indicated below:

### **Nomination of Administration and Intergovernmental Satellite Organization Managers. Assignment of users.**

The Administrations must nominate to the Bureau an Administration Manager role before accessing the system. The assigned manager will then add other users as administration or operator roles for their Administration.

SIRRS has 6 categories of user roles:

(1) Administration Manager







(2) Administration User

(3) Operator Manager

 LOGIN

[I forgot  
my password...](#)

### References:

-  [Circular Letter CR/435 of 28.08.2018](#)
-  [Circular Letter CR/428 of 13.03.2018](#)
-  [List of Administrations' Focal Points](#)
-  [Quick Guide for Submitting a Report and Response using SIRRS](#)
-  [Questions & Answers about SIRRS](#)
-  [Guide on User's Account Management](#)

### Support:

 [SIRRS@itu.int](mailto:SIRRS@itu.int)

 TIES Services





# e-Communications for administrative correspondences related to Space Services

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

SHARE    

## e-Communications

for administrative correspondence related to space services

**Address to e-Communications:**

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



Log into e-Communications



### Notice for Administrations

- As from 23 October 2019, all types of administrative correspondence related to space services between Administrations and the Bureau, as well as between Administrations, can be communicated using an online communication platform "e-Communications".
- During an initial period of operation,
  - correspondence from Administrations to the Bureau can be sent either using the traditional means of communication or using "e-Communications".
  - outgoing correspondence from the Bureau will be sent by both the traditional means of communication and through the "e-Communications".
- All existing users registered with the "e-Submission for Satellite Network Filings" with Administration Manager or Administration User roles as of 22 October 2019 have been automatically added to the "e-Communications" system with the same roles.

### WHAT'S NEW / NEWS

Title

Release Notes (User Guides) was updated!

[System Update on 13.03.2020!](#)

[Implementation of Resolution 907 \(Rev.WRC-15\) - Availability of the application "e-Communications" \(CR/450\) was published! \(25.10.2019\)](#)

["e-Communications" was released officially on 23 October!](#)

[Implementation of Resolution 907 \(Rev.WRC-15\) \(CR/447\) was published! \(01.08.2019\)](#)

[User Guides](#)

[References](#)

[Release Notes \(User Guides\)](#) 

# e-Communications

<https://www.itu.int/itu-r/go/space-submission>

- e-Communications is an online communication platform to allow Administrations and the Bureau to send and receive administrative correspondence related to space services.
- Developed in response to Resolution 907 (Rev. WRC-15)
- This online application covers all types of administrative correspondence related to space services between Administrations and the Bureau as well as between Administrations without using emails and telefaxes.
- Launched on 23 October 2019
- TIES account is necessary before getting access rights to the system.
  - ✓ If you don't have TIES user account, please obtain it via TIES Services.
- Each Administration needs to nominate Administration Manager role(s) to ITU.
  - ✓ Nominate Administration Managers if your Administration hasn't been registered
- Your Administration Manager registers your TIES account as Administration users on the system.
- Operator access to the system is not yet available



Number of administrations registered on the system: 133  
Number of administrations who have sent correspondence on this system: 92



# Contact addresses of notifying administrations (Space services)

[https://www.itu.int/online/mm/scripts/org\\_br\\_admin.list](https://www.itu.int/online/mm/scripts/org_br_admin.list)

## Contact addresses of notifying administrations (Space services)

From the list of all symbols and designations for Administrations, the contact addresses for **service matters** can be retrieved by clicking on the relevant symbol.

<b>Symbol</b>	<b>Designation</b>
<a href="#">AFG</a>	Afghanistan
<a href="#">AFS</a>	South Africa
<a href="#">AGL</a>	Angola
<a href="#">ALB(S)</a>	Albania
<a href="#">ALG(S)</a>	Algeria
<a href="#">AND</a>	Andorra
<a href="#">ARG</a>	Argentina
<a href="#">ARM</a>	Armenia
<a href="#">ARS</a>	Saudi Arabia
<a href="#">ARS/ARB</a>	Saudi Arabia
<a href="#">ATG</a>	Antigua and Barbuda
<a href="#">AUS(S)</a>	Australia
<a href="#">AUT</a>	Austria
<a href="#">AZE</a>	Azerbaijan

### Reminder to all administrations:

- Make sure that an official email address has been communicated to the Bureau
- to inform the Bureau whenever there is any update to the contact information



# 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 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>



## 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.**

Note: SNS Online will only be available 48 hours after registering for TIES.

Try the [demo pages](#) and if you are not a TIES registered user [subscribe](#) to the service.

**As a subscriber to the service you have access to the following features:**

### SNS Database

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

View the description of the SNS database (INGRES and MS/ACCESS) in a PDF document: Section III of the Preface

[SNS Database Changes](#)

View the description of structural changes to SNS database (INGRES and MS/ACCESS)

### Query Systems

[General Query System](#)

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.

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

[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.

[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.

[Regulatory Dates and Unique frequency Bands](#)

Display the list of Regulatory Dates by Unique Frequencies on Coordination and Notification Filings.

[Notex Online Query](#)

Notex Online Query provides information on the status of 11.32A examination as well as the status of assignments recorded under 11.41 in application of No. 11.41A.

[Special Query System](#)

Use complex queries to retrieve data specifying parameters as frequency range, longitude, etc...Launch queries to find slots for geostationary satellites, or find the satellites working in specified frequency range.

[Query Search and Query Builder](#)

Find predefined queri(es) with selected data items and/or create your own query using Query Builder.

[Graphics System](#)

Have access to gain diagrams, gain versus orbit diagrams and service area diagrams of satellite beams (available only using Graphical Interference Management System - GIMS). View available earth station coordination contour diagrams using the [General Query System](#) and selecting "Earth Station" from the radio buttons.

### Submission Systems

[Coordination Request Filing](#)

Identify networks for submission of Coordination Request information to the Bureau based on already submitted advance publication filing. Select from the list of satellites for which you may submit coordination request information.

### Help Systems

[Demo pages](#)

Get familiar with the system: try the demo pages. Look at the relevant part of the Radio Regulations, learn how to navigate through the database, how to run special queries and much more.

[Help System](#)

describes how to navigate through the SNS database and how to retrieve data from it. It gives you explanation about the results of your queries and allows you to create your own query in case there is no query



# SNL online

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

## Space Network List (SNL)

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

SHARE    

### Space Services Department

[News](#)

[Space Support](#)

[BR IFIC](#)

[Preface](#)

[Cost Recovery](#)

[Space Plans](#)

### Databases and Services

[SNL](#)

[SNS](#)

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)

- ▶ [List of space networks by frequency bands and orbital position](#)

### Reports

- ▶ [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)

- ▶ [Query by general publication references](#)
- ▶ [Query by Special Section name](#)
- ▶ [Query by group of Special Sections](#)
- ▶ [Definition of the Special Sections : !\[\]\(b1b9c60e1d8b12863909a2eb5b9e4b47\_img.jpg\)](#)

### Satellite network information

- ▶ [Bringing into use](#)
- ▶ [Suspension](#)
- ▶ [Change of names](#)
- ▶ [Change of notifying administration](#)
- ▶ [Removal of obsolete API and CR](#)
- ▶ [Resolution 40](#)
- ▶ [Notex Online Query](#)

### Information "as received" (Part-C)

- ▶ [All notices subject to as-received \(res55\)](#)

### BSS - RR 23.13 and RES 553 / FSS - RR 6.16 of AP30B

- ▶ [FSS service area exclusion under RR 6.16 of AP30B - Networks published in AP30B/A6A](#)
- ▶ [BSS in 21.4 - 22 GHz \(WRC-12\)](#)
- ▶ [BSS service area exclusion under RR 23.13 - Networks published in AP30/E Part A](#)
- ▶ [BSS service area exclusion under RR 23.13 - Networks published in CR/C or CR/F](#)



**Query by publication references - Last update: IFIC 2934 of 11/24/2020**

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"/>		
Satellite Name <small>(To select from the list or to type)</small>	all <input type="text"/>	Earth Station Name	none <input type="text"/>
ADM	all <input type="text"/>	Network Org / Area	all <input type="text"/>
IFIC/WIC Number	<input type="text"/>	Year	<input type="text"/>
IFIC Date - From	dd/mm/yyyy	To	dd/mm/yyyy
Date of Rcv - From	dd/mm/yyyy	To	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"/>

I want only suppressed networks

Open the results in a new window

SNL Part B - Query result



The Parts and Special Sections are not available online. They can be found in the collection of the BR WIC and BR IFIC DVD-ROM. You can [order it](#) or [get more information about this DVD-ROM](#)

Your query : / Type = gso or ngso / Satellite network = L5 / Earth station = none

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

Total line = 27/27

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
<a href="#">up</a> <a href="#">down</a>	<a href="#">up</a> <a href="#">down</a>	<a href="#">up</a> <a href="#">down</a>	<a href="#">up</a> <a href="#">down</a>	<a href="#">up</a> <a href="#">down</a>	<a href="#">up</a> <a href="#">down</a>	<a href="#">up</a> <a href="#">down</a>	<a href="#">up</a> <a href="#">down</a>	<a href="#">up</a> <a href="#">down</a>					<a href="#">up</a> <a href="#">down</a>	
<a href="#">112541163</a>	G		L5		N-GSO	27.11.2012	API/A	8111					<a href="#">2738</a>	19.02.2013
<a href="#">112541163</a>	G		L5		N-GSO	14.03.2013	API/A	8111	M	1			<a href="#">2745</a>	28.05.2013
<a href="#">113520120</a>	G		L5		N-GSO	27.06.2013	CR/C	3413					<a href="#">2757</a>	12.11.2013
<a href="#">113520120</a>	G		L5		N-GSO	14.09.2013	CR/C	3413	M	1			<a href="#">2761</a>	21.01.2014
<a href="#">112541163</a>	G		L5		N-GSO	27.06.2013	API/A	8111	M	2			<a href="#">2763</a>	18.02.2014
<a href="#">113520120</a>	G		L5		N-GSO	06.12.2013	CR/C	3413	M	2			<a href="#">2767</a>	15.04.2014
<a href="#">113520120</a>	G		L5		N-GSO	06.12.2013	CR/D	2541					<a href="#">2771</a>	10.06.2014
<a href="#">112541163</a>	G		L5		N-GSO	27.06.2013	API/B	413					<a href="#">2774</a>	22.07.2014
<a href="#">113520120</a>	G		L5		N-GSO	06.12.2013	CR/D	2575					<a href="#">2775</a>	05.08.2014
<a href="#">112541163</a>	G		L5		N-GSO	18.07.2014	API/A	8111	M	3			<a href="#">2778</a>	16.09.2014
<a href="#">113520120</a>	G		L5		N-GSO	27.06.2014	CR/C	3413	M	3			<a href="#">2782</a>	11.11.2014
<a href="#">112541163</a>	G		L5		N-GSO	24.09.2014	API/A	8111	M	4			<a href="#">2783</a>	25.11.2014



# SNL – BRINGING INTO USE

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

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>
<a href="#">1KUNS-PF</a>	KEN		N-GSO	12/31/2017	N	10.02.2024	11.2
<a href="#">2M8M-SAT</a>	CHN		N-GSO	3/31/2018	C		11.2
<a href="#">3CAT5A</a>	E		N-GSO	6/17/2019	C		11.2
<a href="#">3CAT5B</a>	E		N-GSO	6/17/2019	C		11.2
<a href="#">3ECOM-2</a>	LIE		N-GSO	6/30/2021	N	30.06.2021	11.2
<a href="#">3ECOM-3</a>	LIE		N-GSO	9/12/2021	N	18.09.2021	11.2
<a href="#">3GSAT-G17R</a>	F		10	3/1/2010	C		11.2
<a href="#">AALTO-1</a>	FIN		N-GSO	6/23/2017	C		11.2
<a href="#">AAUSAT4</a>	DNK		N-GSO	4/22/2016	N	11.07.2021	11.2
<a href="#">ACE</a>	USA		N-GSO	8/25/1997	C		11.2
<a href="#">ACES</a>	F	ESA	N-GSO	7/1/2016	N	30.03.2022	11.2
<a href="#">ACES</a>	F	ESA	N-GSO	7/1/2017	N	30.03.2022	11.2
<a href="#">ACN-0</a>	SUI		N-GSO	1/31/2019	C		11.2
<a href="#">ACONNECT</a>	CHN		N-GSO	1/1/2020	N	29.09.2024	11.2
<a href="#">ACONNECT-B</a>	CHN		N-GSO	1/1/2020	N	30.01.2026	11.2
<a href="#">ACS-1</a>	USA		-101	5/1/1995	C		11.2
<a href="#">ADF 156E GOV</a>	AUS		156	5/1/2008	C		11.2
<a href="#">ADF UHF-2</a>	AUS		72.1	5/14/2012	C		11.2
<a href="#">ADF WEST-2</a>	AUS		88	3/3/2012	C		11.2
<a href="#">ADF WEST-5</a>	AUS		104	3/29/2010	C		11.2

# SNL – Satellite networks with frequency assignments suspended under No.11.49

<https://www.itu.int/net/ITU-R/space/snl/list1149/index.asp>

Total line = 200/430


Go to page : [1](#) [2](#) [3](#)

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</a> <a href="#">down</a>	<a href="#">up</a> <a href="#">down</a>	<a href="#">up</a> <a href="#">down</a>		<a href="#">up</a> <a href="#">down</a>	<a href="#">up</a> <a href="#">down</a>			<a href="#">up</a> <a href="#">down</a>	<a href="#">up</a> <a href="#">down</a>		<a href="#">up</a> <a href="#">down</a>
<a href="#">120500118</a>	<a href="#">PACIFISAT-116.1E</a>	PNG		116.1	S	P	10/13/2020	10/3/2020	10/3/2023		11.49
<a href="#">115500012</a>	<a href="#">PACIFISAT-9</a>	PNG		116.1	S	T	10/13/2020	10/3/2020	10/3/2023		11.49
<a href="#">120500152</a>	<a href="#">MADAR-160E</a>	UAE		160	S	T	9/21/2020	9/4/2020	9/4/2023		11.49
<a href="#">119500217</a>	<a href="#">SE-KA-28W</a>	NOR		-28	S	T	8/31/2020	7/26/2020	7/26/2023		11.49
<a href="#">120500010</a>	<a href="#">N-SAT-Y15-124E</a>	J		124	S	P	7/28/2020	6/20/2020	6/20/2023		11.49
<a href="#">117500131</a>	<a href="#">GOMS-166E</a>	RUS		165.8	S	T	7/24/2020	6/1/2020	6/1/2023		11.49
<a href="#">118560010</a>	<a href="#">NSS-BSS 100E</a>	HOL		100	S	T	5/28/2020	5/5/2020	5/5/2023		5.2.10
<a href="#">118560011</a>	<a href="#">NSS-BSS 100E</a>	HOL		100	S	T	5/28/2020	5/5/2020	5/5/2023		5.2.10
<a href="#">100500175</a>	<a href="#">INTELSAT8 328.5E</a>	USA		-31.5	S	P	5/8/2020	4/21/2020	4/21/2023		11.49
<a href="#">107500330</a>	<a href="#">INTELSAT9 328.5E</a>	USA		-31.5	S	P	5/8/2020	4/21/2020	4/21/2023		11.49
<a href="#">120500090</a>	<a href="#">CHINASAT-DL5</a>	CHN		115.5	S	P	9/24/2020	4/8/2020	4/8/2023		11.49
<a href="#">120500210</a>	<a href="#">UK-KA-7</a>	G		-79	S	T	10/2/2020	4/6/2020	4/6/2023		11.49
<a href="#">120500297</a>	<a href="#">UK-KA-7R</a>	G		-79	S	P	10/2/2020	4/6/2020	4/6/2023		11.49
<a href="#">112570001</a>	<a href="#">VENESAT-30B</a>	VEN		-78	S	T	4/10/2020	3/18/2020	3/18/2023		A30B#8.17
<a href="#">120500066</a>	<a href="#">NSS-G4-9</a>	HOL		-86.5	S	T	9/15/2020	3/12/2020	3/12/2023		11.49
<a href="#">117500101</a>	<a href="#">INMARSAT-KA</a>	G		83.5	S	P	4/7/2020	3/10/2020	3/10/2023		11.49

# Resolution 40

[https://www.itu.int/net/ITU-R/space/snl/sat\\_relocation/index.asp](https://www.itu.int/net/ITU-R/space/snl/sat_relocation/index.asp)

**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 from administrations in the table below. Last update: **04.11.2020**
- ▶ Meaning of the symbols in the different columns 

- ▶ [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](#)

Your query : All networks

[Query the database](#)  - [Print version](#)  - [Explanations](#)  - [Export in txt format](#)  - [Export in Excel format](#) 


Total line = 200/583

Go to page : [1](#) [2](#) [3](#)

Satellite name	ADM	ORG	Orbital position	DBIU	Provisions	satellite relocation	Previous orbital position	Previous associated satellite network	Date relocated
<a href="#">up</a> <a href="#">down</a>	<a href="#">up</a> <a href="#">down</a>		<a href="#">up</a> <a href="#">down</a>	<a href="#">up</a> <a href="#">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	11.2	NO			
<a href="#">ALCOMSAT-24.8W</a>	ALG		-24.8	18.12.2017	30/30A#5	NO			
<a href="#">ALGBSAT-24.8W</a>	ALG		-24.8	18.12.2017	5.1.2/5.1.6	NO			
<a href="#">ALPHASAT TDP5 25E</a>	I		25	31.07.2013	11.2	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-B2-13.8E</a>	ISR		13.8	15.08.2019	11.2	NO			
<a href="#">AMS-B2-13.8E</a>	ISR		13.8	14.02.2019	11.2	YES	-33.5	UKDIGISAT-3; UKDSAT-A2; UKMMSAT-A2	22.01.2019
<a href="#">AMS-B7-13.8E</a>	ISR		13.8	15.08.2019	11.2	NO			
<a href="#">AMS-B7-13.8E</a>	ISR		13.8	14.02.2019	11.2	YES	-33.5	UKDIGISAT-3; UKDSAT-A2; UKMMSAT-A2	22.01.2019

# As-received – Resolution 55 (Rev. WRC-19)

All notices are published “*as received*”, **within 30 days of receipt and made freely available on ITU website**: <https://www.itu.int/ITU-R/space/asreceived/Publication/AsReceived>



e-Submission of Satellite Network Filings

□ Home   Submissions   **As-Received**   Users   Log   Email template

Published   Comments

## Information "As Received"

Contains text    Select administration... ▾   Advance publication info... ✕ ▾   Orbit type filter... ▾

Export

□ □ **1** **2** **3** □ □

NTC ID	Adm.	Network Org.	Station/Satellite Name	Long. Nom.	▼ BR Registry Date	Type of submission	Reg	Act. Code
120545268	TUR		GRIZU-263A		11.11.2020	Advance publication information		A
120545267	NOR		TYVAK-182A		10.11.2020	Advance publication information		M
120545266	POL		SWIATOWID 2		10.11.2020	Advance publication information		M
120545265	J		HSU-SAT1		10.11.2020	Advance		A



# Space Services Website

## - Some other useful pages

- Statistics
- Activities/News
- Resolution 609 consultation meeting
- Submission of information on UAS CNPC links - Resolution 155(WRC-15)
- Exclusion of service areas
- E learning

# Space Services Website and online services - future development

- ITU Space Explorer
- Resolution 35 (WRC-19) - online capture
- Resolution 908 (Rev.WRC-15) - Online publications
- General improvement of the layout of the space services website

# Thank you!

ITU – Radiocommunication Bureau

Questions to [BRmail@itu.int](mailto:BRmail@itu.int) or [chuen-chern.loo@itu.int](mailto:chuen-chern.loo@itu.int)

