

ITUWRS
ONLINE2020

29TH WORLD RADIOCOMMUNICATION SEMINAR
30 November - 11 December 2020

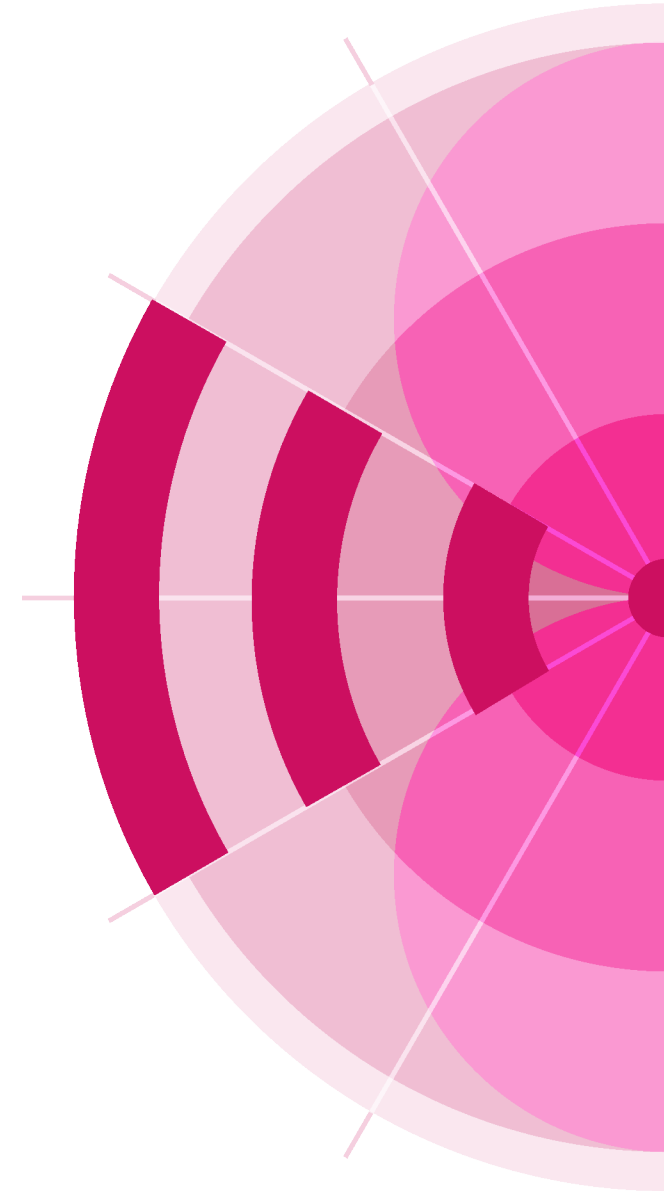
Space online services

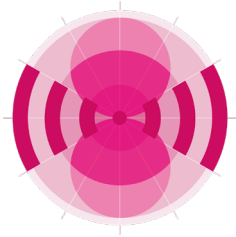
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www.itu.int/go/wrs-20

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29TH WORLD RADIOCOMMUNICATION SEMINAR 30 November - 11 December 2020

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- Future Developments



Space Services Website & Online Services

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

- 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.

[More >](#)



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
- Browse the Table of Contents
- Schedule of publication
- Preface
- Online download of ISO image of BRIFIC DVD
- 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

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



Space Services Website

- BR IFIC (Space services) IFIC mdb files

- The IFIC mdb file is distributed with each BRIFIC (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 8 Databases	Version 9 Databases	Table of Contents
10.11.2020		2933	View
27.10.2020		2932	View
13.10.2020		2931	View
29.09.2020		2930	View
15.09.2020		2929	View
01.09.2020		2928	View
18.08.2020		2927	View
04.08.2020		2926	View
21.07.2020	2925	2925	View
07.07.2020	2924	2924	View
23.06.2020	2923	2923	View
09.06.2020	2922	2922	View
26.05.2020	2921	2921	View
12.05.2020	2920	2920	View
28.04.2020	2919	2919	View

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

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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

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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](#)

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
 - Interference analysis submitted under RoP on No. 9.27
 - ITU filing procedures for small satellites
 - Antenna Pattern Library
 - NOTEX online query
 - Seminar/Workshops
 - FAQ

Space Services Website - Others

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

e-Submission of Satellite Network Filings

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

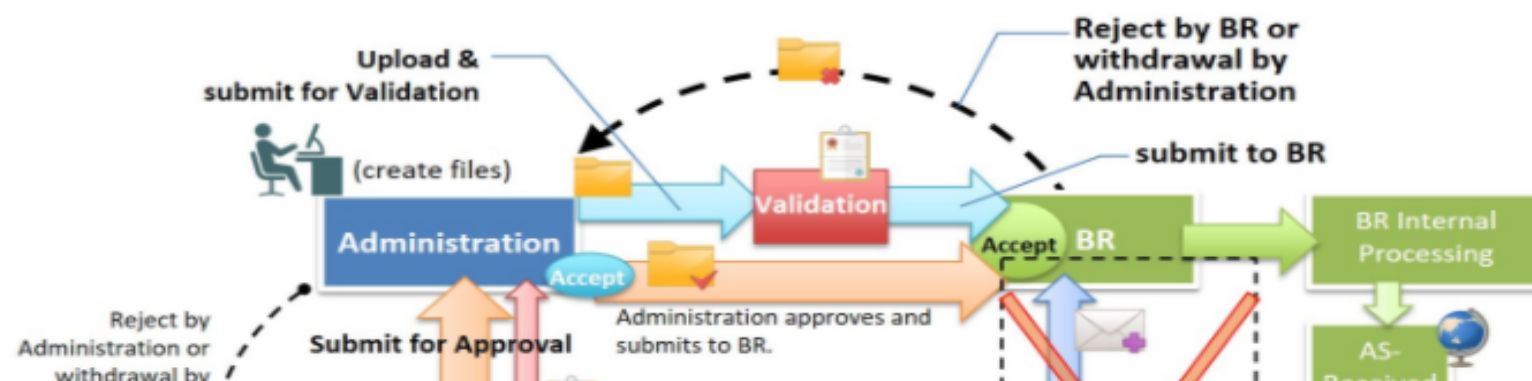
<https://www.itu.int/ITU-R/space/e-submission>



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

SIRRS

Satellite Interference Reporting and Resolution System

(Release for Official Use as of 1st 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

 [TIES Services](#)



e-Communications for administrative correspondences related to Space Services

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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

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 \(User Guides\)](#) 



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.
- The all correspondence communicated with the Bureau via telefax or email after 23 October 2019 will be uploaded on the pages of "Inbox" (for the correspondence from the Bureau to



Contact addresses of notifying administrations (Space services)

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.

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



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

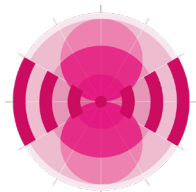
Information "As Received"

Contains text Select administration... Advance publication info... x 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



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/en>

SNL – BRINGING INTO USE

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

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


Total line = 200/430

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

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Satellite name	ADM	ORG	Orbital position	DBIU	Provisions	satellite relocation	Previous orbital position	Previous associated satellite network	Date relocated
up down	up down		up down	up down					
AFRISAT 3W-PKU	PNG		-3	30.08.2016	30B#8.1	NO			
AFRISAT BSS-3W	PNG		-3	28.08.2015	5.1.6	NO			
ALCOMSAT-24.8W	ALG		-24.8	18.12.2017	11.2	NO			
ALCOMSAT-24.8W	ALG		-24.8	18.12.2017	30/30A#5	NO			
ALGBSAT-24.8W	ALG		-24.8	18.12.2017	5.1.2/5.1.6	NO			
ALPHASAT TDP5 25E	I		25	31.07.2013	11.2	NO			
AM-SAT AF3 BSS	G		51	08.06.2017	5.2.10	YES	50.75	NSS-BSS 50.75E	07.06.2017
AM-SAT-108.2E-G	G		108.2	01.06.2016	11.2	NO			
AMS-B2-13.8E	ISR		13.8	15.08.2019	11.2	NO			
AMS-B2-13.8E	ISR		13.8	14.02.2019	11.2	YES	-33.5	UKDIGISAT-3; UKDSAT-A2; UKMMSAT-A2	22.01.2019
AMS-B7-13.8E	ISR		13.8	15.08.2019	11.2	NO			
AMS-B7-13.8E	ISR		13.8	14.02.2019	11.2	YES	-33.5	UKDIGISAT-3; UKDSAT-A2; UKMMSAT-A2	22.01.2019

Space Services Website and online services - future development

- ITU Space Explorer
- Resolution 35 (WRC-19) - online capture
- Resolution 908 (Rev.WRC-15) - Online publications

Thank you!



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