



Space Service Website & On-line services

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

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ITSO/ITU Workhop on Satellite Communications

AFRALTI, Nairobi, 17-21 July 2017



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



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#ICT4SDG

- Home
- ITU
- General Secretariat
- Radiocommunication**
- Standardization
- Development
- ITU Telecom
- Members' Zone
- Join ITU

- About
- Events
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- Publications
- Space
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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

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 >](#)

ACTIVITIES

- ITU Symposium and Workshop on small satellite regulation and communication systems, Santiago de Chile, Chile, 7-9 November 2016
- 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
- SpaceWISC
- Submission of information on UAS CNPC links

Databases Tools News

- Bringing in satellite networks
- Suspension of satellite networks
- As Received Information (SNL-C)
- Addresses of notifying administrations
- Emergency radiocommunication (Res. 647)

QUICK LINKS

- Space software
- Radio Regulations (Edition of 2010)
- Radio Regulations Board (RRB)
- ITU-R Circular letter

Space Activities

Space PLANS

**Databases
Tools
News**

Quick Links

SNS ONLINE

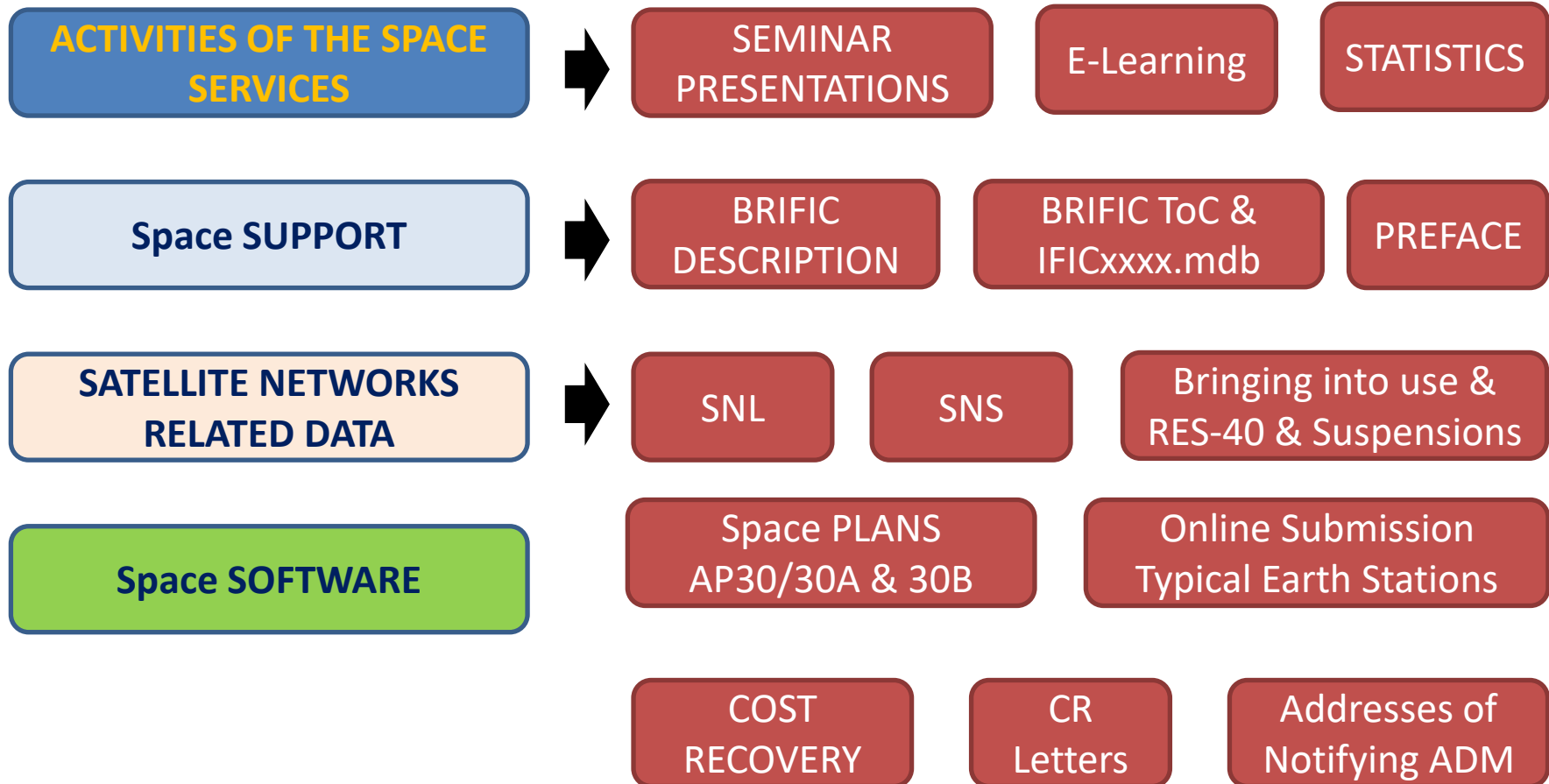
BR IFIC & Preface

Cost Recovery

SNL ONLINE



WHAT YOU CAN FIND THERE ?





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

WHAT YOU CANNOT FIND THERE ?

BR IFIC (Space services) PUBLICATIONS - PARTS AND SPECIAL SECTIONS in PDF format

SRS DATABASE

GIMS REF DATABASE

All above publications and data are
*distributed **ONLY** on the BR IFIC (Space services) DVD-ROM*



SPACE RESOURCES (DATABASES)

- **IFIC data** (*IFICxxxx.mdb*)

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

- **ITU BR Annual Space Report**

<https://www.itu.int/en/ITU-R/space/snl/Pages/reportSTS.aspx>

- **BSS Plans – AP30/30A** (*SPS_ALL_IFICxxxx.mdb*)

<https://www.itu.int/en/ITU-R/space/plans/Pages/AP30-30A.aspx>

- **FSS Plan - AP30B** (*30B_xxxx.mdb*)

<http://www.itu.int/ITU-R/go/space-plans-ap30b/en>



BRsoft RESOURCES (SOFTWARE)

SNS related software (BRsoft) - **new V8 (as of 1.1.2017)**

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

- Download of the installation files
- Documentation
- Tutorials

Most important BRsoft packages

SAM	SpaceCap	SpaceCom	SpacePub
BR-SIS (SpaceQry)	SpaceRefdb	SpaceVal	SPS
SRSCovert V7toV8	GIBC	GIMS	EPFD



SPACE RESOURCES (OTHER)

- **Cost recovery (List of invoices issued / Free entitlements)**
<https://www.itu.int/ITU-R/go/space-cost-recovery/en>
- **Legends related to Parts and Special sections publications in the BRIFIC**
<http://www.itu.int/ITU-R/go/space-brific/en>
- **Latest version of seminar presentations and documents**
<http://www.itu.int/ITU-R/go/space-presentation/en>
- **Publications relating to change of notifying administration**
<https://www.itu.int/ITU-R/go/space-publication-change-of-administration/en>
- *Subscribe to the **TIES Email Notification Service** to receive an email notification when an ITU-R Administrative Circular or a Circular Letter is published*
- **BR Circular telegrams - ITU-R CTITU**
<https://www.itu.int/md/R00-CTITU-CIR/en>
- **BR Circular letters**
<https://www.itu.int/md/R00-CR-CIR/e>



SPACE services On-line

SNL ONLINE

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

Space Network List

AVAILABLE TO ALL (free)

Space stations, Earth stations,
Radioastronomy stations

USE OF FREQUENCY SPECTRUM
OCCUPANCY OF THE ORBITS

REFERENCE TO BR IFIC PUBLICATIONS

NETWORKS PUBLISHED "AS RECEIVED"

DATES OF BRINGING INTO USE
SUSPENSIONS

SNS ONLINE

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

Space Network System

**TIES ACCOUNT *or*
SUBSCRIPTION**

Space stations, Earth stations,
Radioastronomy stations

General / Special QUERY

DATA OF THE NETWORK

DOWNLOAD OF A NETWORK
(SNS FORMAT)

REMOVAL of ABSOLUTE
API and CR/C



SPACE NETWORK LIST - SNL – ONLINE

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

PART A

USE OF FREQUENCY SPECTRUM
OCCUPANCY OF THE ORBITS

DATES OF BRINGING INTO USE

PART B

REFERENCE TO WIC / BR IFIC
PUBLICATIONS

SUSPENSIONS

PART C

NETWORKS PUBLISHED “AS
RECEIVED”

CHANGE OF SATELLITE NAME

BSS SERVICE EXCLUSION

ANNUAL REPORT

SNL REPORT IN THE BR IFIC
DVD-ROM EVERY 3 MONTHS

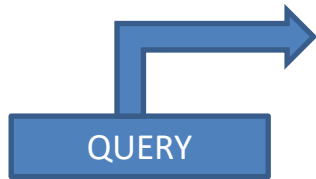
ANNUAL COLLECTION
ON DVD-ROM



SNL PART A

Provide to users information:

- On the use of the frequency spectrum
- The occupancy of the geostationary orbits as well as on non-geostationary orbits
- General lists on the website and on the BRIFIC every 3 months



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 : 📄

SATELLITE NETWORK INFORMATION

- Bringing into use
- Suspension
- Change of names
- Change of notifying administration
- Removal of obsolete API and CR
- Resolution 40

INFORMATION "AS RECEIVED" (PART-C)

- Coordination Requests
- Notifications of Space Stations
- Notifications of Earth Stations
- Article 4 of AP30/30A
- Article 2A of AP30/30A
- Articles 6 and 7 of AP30B

BSS - RR 23.13 AND RES 553 / FSS - RR 6.16 OF AP30B

- 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
- FSS service area exclusion under RR 6.16 of AP30B - Networks published in AP30B/A6A



SNL PART A - QUERY

Query by:

- Plan / Non-planned services
- Frequency bands
- Orbital position
- Submission reason (API, Coordination, Notification)

LIST OF SPACE NETWORKS/EARTH STATIONS (BY FREQUENCY AND ORBITAL POSITION)

Enter data and select emission/reception and station type

Non-Planned Services Planned Services/SOF

Frequency [MHz]: from to


Emission/Reception: Emission Reception All

Longitude: from to

Space or Earth: Geostationary Non-geostationary Earth station

Submission reason: API Coordination Notification All

[Contact BR](#) | [Help](#) | [News](#) | [FAQ](#) | [Home](#) | [Discussion Forum](#) | [Related Software](#) | [Space IFC](#)
Revised: 24 January 2011

 International Telecommunication Union, 1996-2012



SNL PART A - RESULT

Result of the query:

- The list of satellite network with the notification reason (A, C, N, U) corresponding to the criteria of the query
- For a network, the list of all frequency assignments (in red, the assignments inside the criteria)

Please click on the satellite name to see a list of all publications relating to the satellite

LONGITUDE	ADM.ORG	SATELLITE NAME	NOTIF.REASON	BR.IFIC	FREQUENCIES
75	PNG	PACIFISAT-1	A		view
75	LUX	LUX-G7-17	A		view
75	UAE	YAHSAT-G5-75E	A		view
75	UAE	YAHSAT-G6-75E	A		view
75	LUX	LUX-G8-17	A		view
75	PNG	PACIFISAT KA-75E	A		view
76	F	F-SAT-KA-E-76E	A		view
76	F	F-SAT-N-E-76E	A		view
76	F	F-SAT-KA-E-76E	C		view
76	F	F-SAT-N-E-76E	C		view
76	CYP	KYPROS-SELENE	A		view
77.5	KAZ	KAZSAT7	A		view
77.5	KAZ	KAZSAT7	C		view
77.5	KAZ	KAZSAT7	N		view
77.5	KAZ	KAZSAT7R	A		view
78	F	ASAT E078	A		view
78	ISR	AMS-C1-78E	A		view
78	F	BASAT E078	A		view



BEAMNAME	EMISS	REC	FREQ (MHz)	BDWIDTH(kHz)	FR.MIN(MHz)	FR.MAX(MHz)	CLASS
ADVP	E		1538.5	41000	1518	1559	EI
ADVP	E		1635.25	50500	1610	1660.5	EI
ADVP	E		1671.5	7000	1668	1675	EI
ADVP	E		3800	800000	3400	4200	EC
ADVP	E		5075	150000	5000	5150	EJ
ADVP	E		5787.5	125000	5725	5850	EC
ADVP	E		6287.5	875000	5850	6725	EC
ADVP	E		7050	50000	7025	7075	EC
ADVP	E		11075	250000	10950	11200	EC
ADVP	E		11575	250000	11450	11700	EC
ADVP	E		11950	500000	11700	12200	EC
ADVP	E		12350	300000	12200	12500	EC
ADVP	E		12625	250000	12500	12750	EC
ADVP	E		13325	150000	13250	13400	EC
ADVP	E		13325	150000	13250	13400	EI
ADVP	E		13875	250000	13750	14000	EC
ADVP	E		14250	500000	14000	14500	EC
ADVP	E		14250	500000	14000	14500	EI
ADVP	E		14650	300000	14500	14800	EC
ADVP	E		15550	300000	15400	15700	EC
ADVP	E		15550	300000	15400	15700	EI
ADVP	E		17500	400000	17300	17700	EC
ADVP	E		18700	2e+06	17700	19700	EC
ADVP	E		19950	500000	19700	20200	EC
ADVP	E		19950	500000	19700	20200	EI
ADVP	E		21700	600000	21400	22000	EB
ADVP	E		25000	500000	24750	25250	EC
ADVP	E		27250	500000	27000	27500	EC
ADVP	E		28500	2e+06	27500	29500	EC



SNL PART B

Provide to users information:

- On **ALL** reference publications (Special sections and PARTs) related to Space services
- First publication **SAT1 on 16.02.1965**
- Updated every 2 weeks (BR IFIC publication date)
- **The pdf files of the publications are not available**

FREQUENCY USE - ORBIT OCCUPANCY (PART-A) <ul style="list-style-type: none">▸ List of space networks by frequency bands and orbital position	REPORTS <ul style="list-style-type: none">▸ Quarterly publication (download)▸ ITU BR Annual Space Report on the use of the GSO and other orbits▸ ITU-R Contribution to the Report on the Long-term sustainability of outer space activities
REFERENCE PUBLICATIONS (PART-B) <ul style="list-style-type: none">▸ Query by general publication references▸ Query by Special Section name▸ Query by group of Special Sections▸ Definition of the Special Sections : 	SATELLITE NETWORK INFORMATION <ul style="list-style-type: none">▸ Bringing into use▸ Suspension▸ Change of names▸ Change of notifying administration▸ Removal of obsolete API and CR▸ Resolution 40
INFORMATION "AS RECEIVED" (PART-C) <ul style="list-style-type: none">▸ Coordination Requests▸ Notifications of Space Stations▸ Notifications of Earth Stations▸ Article 4 of AP30/30A▸ Article 2A of AP30/30A▸ Articles 6 and 7 of AP30B	BSS - RR 23.13 AND RES 553 / FSS - RR 6.16 OF AP30B <ul style="list-style-type: none">▸ 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▸ FSS service area exclusion under RR 6.16 of AP30B - Networks published in AP30B/A6A

QUERIES





SNL PART B - QUERY

Query by:

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

Type of Procedure :	<input type="checkbox"/> ALL	<input type="checkbox"/> API	<input type="checkbox"/> Coordination	<input type="checkbox"/> Notification	<input type="checkbox"/> RES49	<input type="checkbox"/> AP30&30A	<input type="checkbox"/> AP30B
SNS ID	<input type="text"/>						
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	<input type="text"/>			To	<input type="text"/>		
Date of Rcv - From	<input type="text"/>			To	<input type="text"/>		
All GSO <input checked="" type="checkbox"/> All N-GSO <input checked="" type="checkbox"/> or Nominal orbital position - in degrees (+) for East or (-) for West:							
From (-180)	<input type="text"/>			To (180)	<input type="text"/>		
<input type="checkbox"/> I want only suppressed networks							
<input type="checkbox"/> Open the results in a new window							
				Submit Reset			



SNL PART B - RESULT

Result of the query:

- A list of reference publications corresponding to the query's criteria
- The list can be exported in text format or Excel format
- Columns can be ordered
- Links to SNS online and to the database IFIC.mdb
- Link to old/new related networks (change of satellite name)

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

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

Total line = 6/6

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

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



SNL PART C

Provide to users information:

- On pending satellite networks received by the Bureau but not yet published in a Special section or PART I-S
- The “*As received*” information is also published in the BR IFIC (Space services) on DVD-ROM
- Updated every 2 weeks (BR IFIC publication date)


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 : 

SATELLITE NETWORK INFORMATION

- Bringing into use
- Suspension
- Change of names
- Change of notifying administration
- Removal of obsolete API and CR
- Resolution 40

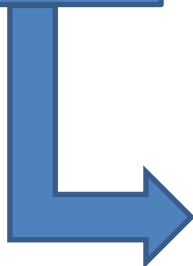
INFORMATION “AS RECEIVED” (PART-C)

- Coordination Requests
- Notifications of Space Stations
- Notifications of Earth Stations
- Article 4 of AP30/30A
- Article 2A of AP30/30A
- Articles 6 and 7 of AP30B

BSS - RR 23.13 AND RES 553 / FSS - RR 6.16 OF AP30B

- 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
- FSS service area exclusion under RR 6.16 of AP30B - Networks published in AP30B/AGA

LISTS





SNL PART C - INFORMATION

- List of satellite networks with reference to the BRIFIC in which the “*As received*” information can be found
- “As received” information of the network (database and GIMS) can also be downloaded directly from the list

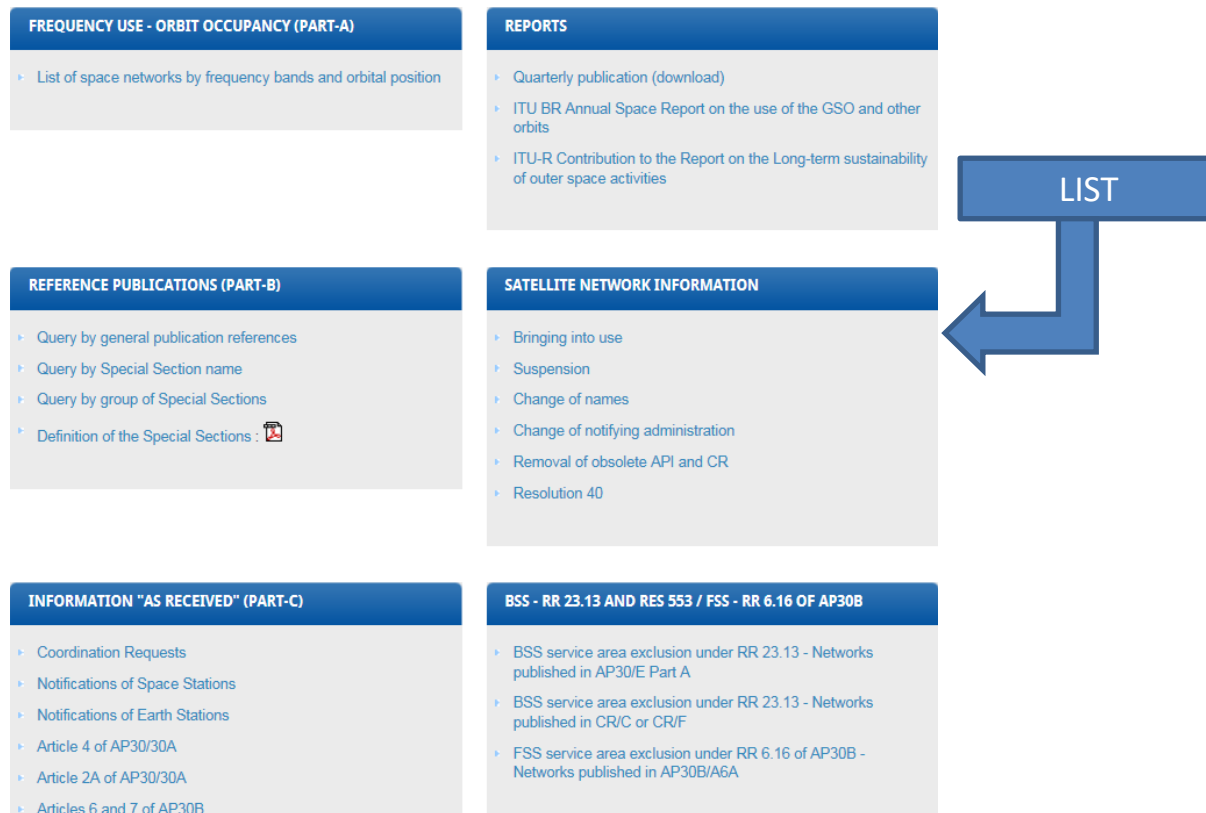
Type	NTC_ID	ACT_CODE	ADM	NTWK_ORG	SAT_NAME	LONG_NOM	D_RCV	IFIC_NO	D_IFIC
	112500225	A	E		OPTOS		30/10/2012	2732	13/11/2012
	112500198	M	RUS		SPECTR-R		10/09/2012	2730	16/10/2012
	112500193	A	KOR		KHUSAT-01		31/08/2012	2728	18/09/2012
	113500003	A	F	ESA	SENTINEL-5P		10/07/2012	2731	30/10/2012
	113500002	A	F		ADM-AEOLUS		10/05/2012	2728	18/09/2012
	113500001	A	F		TARANIS		18/04/2012	2728	18/09/2012
	112500086	M	USA		TDRS 167.5W	-167.5	17/04/2012	2719	15/05/2012



SNL - BRINGING INTO USE

Provide to users information:

- On the dates of bringing into use of planned and non-planned satellite network frequency assignments
- Frequency assignments appear in the list after their publication in PART I-S of the BRIFIC
- Updated every 2 weeks (BR IFIC publication date)





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

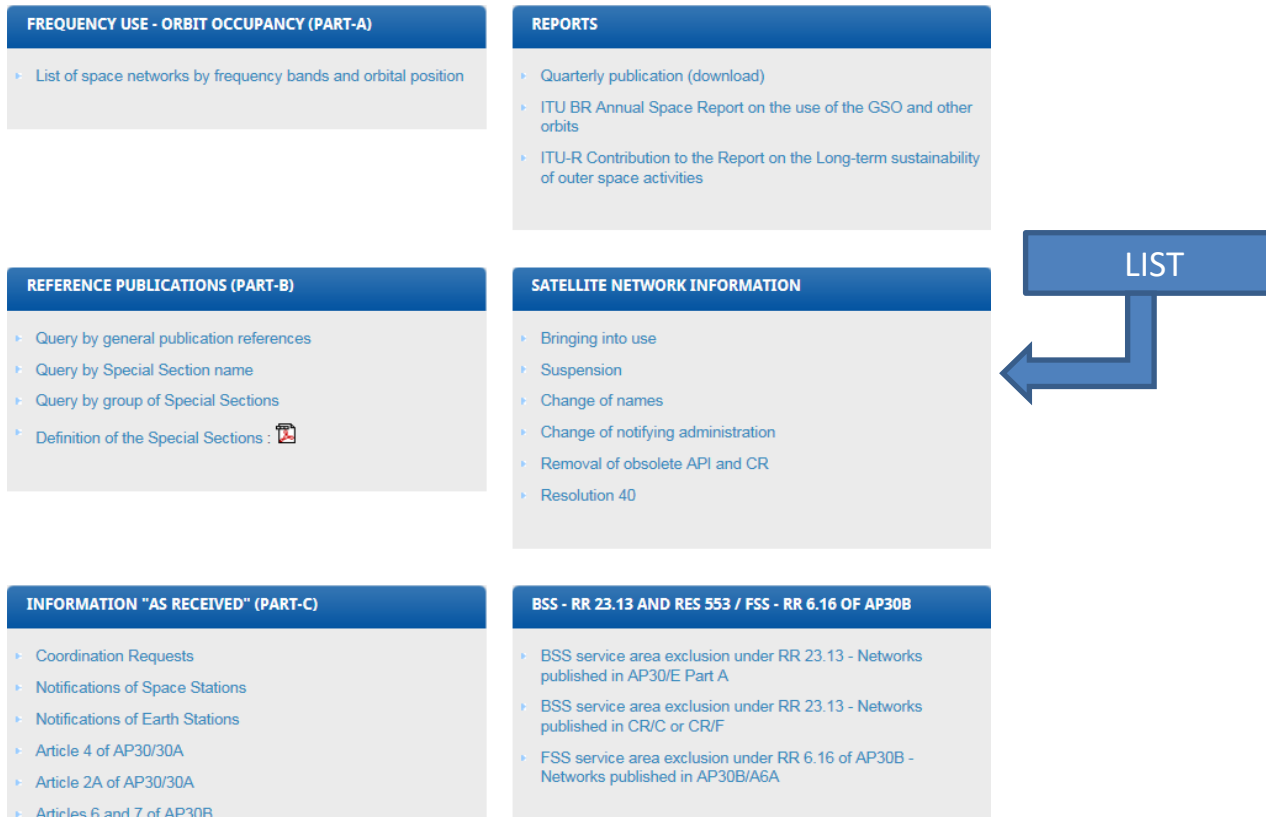
Notice ID (SNS)	Satellite Name (SNL Part B)	ADM	ORG	Long_nom	Date of bringing into use	Status	Expiry Date for Bringing Into Use	Provision
up down	up down	up down		up down	up down	up down	up down	up down
110500239	3GSAT-G17R	F		10	01.03.2010	C		11.2
114500032	AALTO-1	FIN		N-GSO	01.09.2014	N	16.10.2020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



SNL – SUSPENDED SATELLITE NETWORKS

Provide to users information:

- On requests for suspension and resumption of operation of satellite networks
- Requests are done under provision No.11.49 or § 8.17 of Article 8 of Appendix 30B
- Updated every 2 weeks (BR IFIC publication date)





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



SNL – BSS SERVICE AREA EXCLUSION

Provide to users information:

- On requests for Broadcasting Satellite Service, service area exclusion
- Requests are done under provision RR 23.13
- Query for networks published in AP30/E Part A Special Section
- Query for networks published in CR/C Special Section

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 :

SATELLITE NETWORK INFORMATION

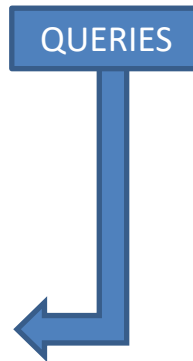
- ▶ Bringing into use
- ▶ Suspension
- ▶ Change of names
- ▶ Change of notifying administration
- ▶ Removal of obsolete API and CR
- ▶ Resolution 40

INFORMATION "AS RECEIVED" (PART-C)

- ▶ Coordination Requests
- ▶ Notifications of Space Stations
- ▶ Notifications of Earth Stations
- ▶ Article 4 of AP30/30A
- ▶ Article 2A of AP30/30A
- ▶ Articles 6 and 7 of AP30B

BSS - RR 23.13 AND RES 553 / FSS - RR 6.16 OF AP30B

- ▶ 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
- ▶ FSS service area exclusion under RR 6.16 of AP30B - Networks published in AP30B/A6A
- ▶ BSS in 21.4 - 22 GHz (WRC-12)



Non-Planned band satellite networks - Broadcasting Satellite Service, service area exclusion requests under RR 23.13 - Last update: BR IFIC 2716 of 03/04/2012

Please note that only requests under 23.13 received after 01.01.2011 are listed.

Satellite Name <small>(To select from the list or to type)</small>	all <input type="text"/>	SNS ID	<input type="text"/>
Adm responsible	all <input type="text"/>	Network Org	all <input type="text"/>
Adm requesting exclusion under RR 23.13	all <input type="text"/>	<input type="checkbox"/> View only publications with exclusion request(s) received	
Date of receipt of the request	dd/mm/yyyy <input type="text"/>	To	dd/mm/yyyy <input type="text"/>
All GSO <input checked="" type="checkbox"/> All N-GSO <input checked="" type="checkbox"/> or Nominal orbital position - in degrees (+) for East or (-) for West:			
From (-180)	<input type="text"/>	To (180)	<input type="text"/>





SNL – BSS SERVICE AREA EXCLUSION - RESULT

- The requests has to be done within the four month period following the publication of the Special section
- 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	ntwk_org	long_nom	CR/C No	BR IFIC No	BR IFIC date	Administration requesting exclusion from service area	Date of receipt of the request	< 4 months	Remarks
up down	up down	up down	up down	up down	up down	up down		up down	up down	up down	up down
111520289	RAGGIANA-7	PNG		37	2991	2709	13.12.2011	PAK	14.03.2012	yes	
111520292	RAGGIANA-11	PNG		134	2992	2709	13.12.2011	PAK	14.03.2012	yes	
111520293	RAGGIANA-12	PNG		97.5	2993	2709	13.12.2011	PAK	14.03.2012	yes	
111520294	RAGGIANA-13	PNG		108	2994	2709	13.12.2011	PAK	14.03.2012	yes	
311520326	QATARSAT-6	QAT		25.5	2690	2710	10.01.2012	PAK	14.03.2012	yes	
311520168	NEW DAWN 22	PNG		62	2641	2707	15.11.2011	CHN	12.03.2012	yes	
311520166	NEW DAWN 23	PNG		64	2642	2707	15.11.2011	CHN	12.03.2012	yes	
311520165	NEW DAWN 21	PNG		60	2653	2707	15.11.2011	CHN	12.03.2012	yes	



SNL – BSS IN 21.4 – 22 GHz (WRC-12)

Provide to users information:

- On requests for special procedure under Resolution 533 (WRC-12)
- The form of submission for information required under Resolution 552 (WRC-12)

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:

SATELLITE NETWORK INFORMATION

- Bringing into use
- Suspension
- Change of names
- Change of notifying administration
- Removal of obsolete API and CR
- Resolution 40

INFORMATION "AS RECEIVED" (PART-C)

- Coordination Requests
- Notifications of Space Stations
- Notifications of Earth Stations
- Article 4 of AP30/30A
- Article 2A of AP30/30A
- Articles 6 and 7 of AP30B

BSS - RR 23.13 AND RES 553 / FSS - RR 6.16 OF AP30B

- 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
- FSS service area exclusion under RR 6.16 of AP30B - Networks published in AP30B/A6A
- BSS in 21.4 - 22 GHz (WRC-12)

LIST



BSS in 21.4 - 22 GHz (WRC-2012)

▄▄ **Resolution 553 (WRC-12)**

List of satellite networks for which a request for the special procedure under Resolution 553 (WRC-12) has been received by the Bureau:

ADM	Satellite network	Date of receipt	SNS ID
IRN	IRANDBS4-KA_1	02.05.2012	112525001

▄▄ **Resolution 552 (WRC-12)**

Form of submission for information required under Resolution 552 (WRC-12): [FORM_RES552.xls](#)





SPACE NETWORK SYSTEM – SNS ONLINE

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

ONLINE ACCESS TO THE SNS
DATABASE

YEARLY SUBSCRIPTION SERVICE

FREE SERVICE FOR TIES
REGISTERED USERS

QUERY SYSTEM FOR PLANNED
BANDS

QUERY SYSTEM FOR NON-
PLANNED BANDS

EXPORT OF THE SNS DATABASE
OF A NETWORK

REGULATORY DEADLINES

CREATION OF DUE DILIGENCE
FILING



SNS – MENU

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 more than 10600 geostationary satellite filings, 1070 non-geostationary satellite filings and 7900 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

Query for non-planned bands

res:

SNS Database

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

View the description of the SNS database

reface

[SNS Database Changes](#)

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

Query Systems

[General Query System \(non-planned bands\)](#)

Navigate through the 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, etc.

[Space Plans Query System](#) **NEW**

allows you to navigate through the SNS database (planned services) to retrieve a list of satellites in the planned service, their frequencies, emissions, coordination information, etc. of the selected station.

API Query (Regulatory deadlines)

[Suppressed Notices Query System](#)

Display notices in the SNS database which have been suppressed. Use the query in case you want to retrieve a list of suppressed 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.

[Resolution 49 Publication Query System](#)

Retrieve Resolution 49 publication data from the database. Based on your input parameters retrieve a list of satellites and get the summary information of your selection.

Resolution 49 Query (Due diligence filing)



SNS – GENERAL QUERY SYSTEM 1/4

Query by:

- Plan / Non-planned services (From the main menu)
- Satellite network, Administration, Notice ID
- Orbital position
- Submission reason (API, Coordination, Notification)
- Processing status (*Recorded in the MIFR* / under examination)

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

Satellite/Earth Station Name: or enter Notice identifier:

Notifying Administration: Geo Non-Geo Earth Station **NEW** Radio Astronomy

Network Organization:

Longitude (from):

Longitude (to) :

Notification reason: Coordination Coordination(Earth) Notification All

Processing Status: Recorded (MIFR) All

Satellite/Earth Station: Geostationary Non-Geostationary Earth Station **NEW** Radio Astronomy



SNS – GENERAL QUERY SYSTEM 2/4

Result of the query:

- List of networks
- Link to the network characteristics
- Category: **A** (Advance publication), **C** (Coordination), **N** (Notification), **U** (Due diligence)
- Status for notification: **20** (Under examination, PART I-S), **50** (*Recorded in the MIFR, PART II-S*), **19** (Unfavorable, PART III-S)

<u>SATELLITE NAME</u>	<u>CATEGORY</u>	<u>ADM</u>	<u>NTWK</u>	<u>ORG</u>	<u>LONGITUDE</u>	<u>DATE OF PROTECTION</u>	<u>STATUS</u>	<u>IFIC</u>
NSS-32	U	HOL		1		See TSUM	50	2624
NSS-32	N	HOL		1		See TSUM	19	2658
NSS-32	C	HOL		1		See TSUM	50	2687
NSS-32	N	HOL		1		See TSUM	50	2710
NSS-32	A	HOL		1		See TSUM	50	2441
TOTAL:								5



SNS – GENERAL QUERY SYSTEM 3/4

Result:

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

SUMMARY INFORMATION						
Satellite name	NSS-32		Category	Adm Ntwk	Org Provn	Date last modified
			N	HOL	- 11.2	01.02.2010
Download notice into MS/ACCESS	2000	GO	?	TSUM		

DETAILED INFORMATION				
NOMINAL LONGITUDE	TOLERANCE EAST	TOLERANCE WEST	INCLINATION EXCURSION	ACTIVE STATION
1	0.1	0.1	0.1	-



SNS – GENERAL QUERY SYSTEM 4/4

- Transaction summary (TSUM) of the network

Export of the TSUM

LINK TO THE REFERENCE OF THE PUBLICATIONS (SNL)

Summary Information

Action	Status	Satellite name	Longitude	Categ	Adm Ntwk Org	Provn	Date last modified
M	50	NSS-32	1.000	N	HOL -	11.2	01.02.2010

Download notice into MS/ACCESS:

Export result of query to:

ACCESS EXCEL

name of table/worksheet:
tsum_geo

DETAILS OF THE GROUP

LINK TO GIMS (ON LOCAL PC)

To view diagrams on SNS Online:
[Help System GIMS - Graphical Interference Management System](#)

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



QUESTIONS / CONTACT

<http://www.itu.int/itu-r/go/space-contact/en>

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