

BR IFIC SPACE SERVICES USER GUIDE

The BR IFIC Space Services is a service publication published every two weeks by the Radiocommunication Bureau in accordance with provision Nos. 20.1-20.6 and No. 20.15 of the Radio Regulations.

The BR IFIC Space Services is published in DVD-ROM and ISO file. Further, from BRIFIC 2987 (10.01.2023), it is also published on a web application: the BR IFIC Space services Online, available at the following URL: <https://www.itu.int/epublications/brific-space>

This document provides explanation on this web application and on the desktop application.

1. User access to the BR IFIC online

The BR IFIC (Space services) is a paying service which can be subscribed to by contacting the Sales Department (sales@itu.int).

Further, each Administration and each subscriber to the BR IFIC DVD-ROM have been invited to assign some designated users, per DVD subscription, for free online access.

2. BR IFIC availability

The BR IFIC (Space services) publications are available on the online application from BR IFIC 2987 dated 10 January 2023.

Previously published BR IFIC are only available on DVD-ROM or ISO file and may be requested by contacting the Sales Department (sales@itu.int).

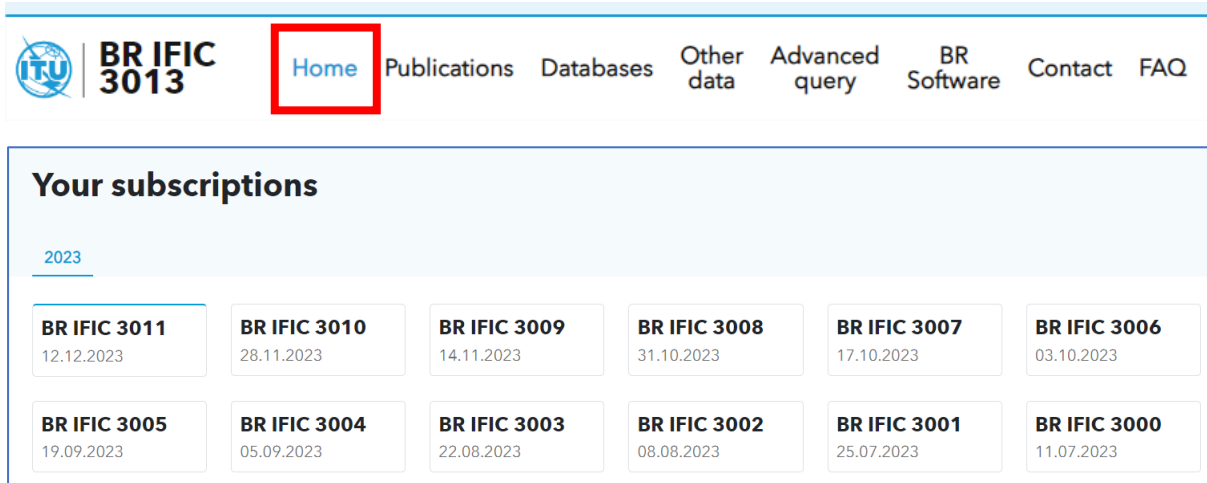
3. Desktop application (ISO FILE)



The ISO file, to install the desktop application, is available for download in the BRIFIC online. This desktop application provides the same functionalities as the online application, at the exception of the Advanced queries which are only available online. (See section 11 for more information).

Please note that the ISO file can also be downloaded from the ITU electronic bookshop: <http://www.itu.int/pub/R-SP-LN/en>.

4. Your subscriptions



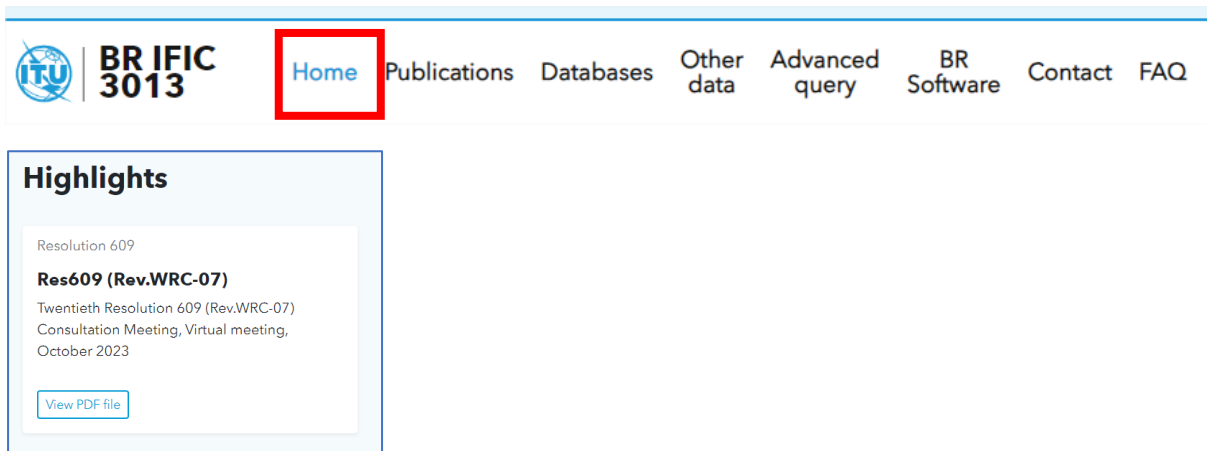
The screenshot shows the website header with the ITU logo and 'BR IFIC 3013' text. A navigation menu includes 'Home' (highlighted with a red box), 'Publications', 'Databases', 'Other data', 'Advanced query', 'BR Software', 'Contact', and 'FAQ'. Below the header is a section titled 'Your subscriptions' with a sub-section for '2023'. It contains a grid of 12 subscription cards, each with a title and a date:

BR IFIC 3011 12.12.2023	BR IFIC 3010 28.11.2023	BR IFIC 3009 14.11.2023	BR IFIC 3008 31.10.2023	BR IFIC 3007 17.10.2023	BR IFIC 3006 03.10.2023
BR IFIC 3005 19.09.2023	BR IFIC 3004 05.09.2023	BR IFIC 3003 22.08.2023	BR IFIC 3002 08.08.2023	BR IFIC 3001 25.07.2023	BR IFIC 3000 11.07.2023

The list of BR IFIC available is available from the menu [Home].

The user should select a specific BR IFIC to have access to the different items in the menu and to browse its content.

5. Highlights

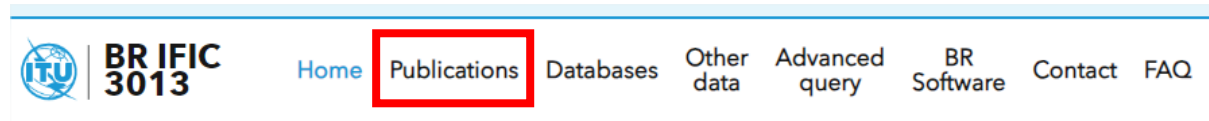


The screenshot shows the website header with the ITU logo and 'BR IFIC 3013' text. A navigation menu includes 'Home' (highlighted with a red box), 'Publications', 'Databases', 'Other data', 'Advanced query', 'BR Software', 'Contact', and 'FAQ'. Below the header is a section titled 'Highlights' containing a card for 'Resolution 609' with the following text: 'Res609 (Rev.WRC-07)', 'Twentieth Resolution 609 (Rev.WRC-07)', 'Consultation Meeting, Virtual meeting, October 2023', and a 'View PDF file' button.

The **Highlights** are available from the menu [Home], below the list of BR IFIC.

Highlights are News where the BR inform users of the BR IFIC, Corrections of incorrectly published information, general modification such as Change of satellite name or Change of Operating agency.




6. Publications on the BRIFIC online



The list of Publications is available from the menu [Publications] and can be exported in csv format.

The Bureau publishes the Special sections and Parts on PDF files (**regulatory publications**).

These files can be downloaded by double clicking the corresponding line or by clicking on the PDF icon on the list of Publications.

Special Section / Part	Plan part	Notifying administration	IGSO	Satellite name	Orbital position	Earth station name	Notice ID		Publication Select all	Technical data Select all
AP30B/A6A/725	A	E		HISPASAT-3-58.5W	58.5W		123559015		<input type="checkbox"/>	<input type="checkbox"/>
AP30B/A6B/209	B	CYP		KYPROS-SAT-6	39E		115559040		<input type="checkbox"/>	
API/A/13483		CHN		LUNAR CTDRS-2	NGSO		123545294		<input type="checkbox"/>	

Together with the regulatory publications, the Bureau is also publishing the relevant **technical data**.

These data are the following:

- Transaction summary (**TSUM**)
- Result of Appendix 8 Examination of GSO Satellite networks for non-Planned satellite services (**AP8 result**)
- Data for Article 22 examination with respect to compliance with EPFD limits
 - o Data (**EPFD input**)
 - o Results (**EPFD result**)
 - o Summary of the examination results (**EPFD summary**)
- MSPAGE output database for Appendix 30/30A Article 4 Part A (**AP30_30A result**)
- GIBC/PFD (terrestrial) technical examination results for Appendix 30/30A Article 4 Part A (**AP30_30A PFD**)
- GIBC/PFD (terrestrial) technical examination results for Article 2A network (**AP30_30A PFD**)
- GIBC/AP30B output database for Appendix 30B pending Article 6 network (AP30B result)
- Interference analysis (**Interference analysis**)

Please note that not all regulatory publications are linked to technical data.

All the regulatory publications and technical data can be downloaded from the list of Publications via the Publication cards or by downloading items as a zip.

6.1. Publication cards

By clicking on the icon [Publication Card], the [BR IFIC - space – Publication] card pops up, displaying the corresponding regulatory publication and all technical data available for this publication. All the relevant files can be downloaded from this publication card.

List of publications:

Special Section / Part	Plan part	Notifying administration	IGSO	Satellite name	Orbital position	Earth station name	Notice ID		Publication Select all	Technical data Select all
AP30B/A6A/725	A	E		HISPASAT-3-58.5W	58.5W		123559015		<input type="checkbox"/>	<input type="checkbox"/>
AP30B/A6B/209	B	CYP		KYPROS-SAT-6	39E		115559040		<input type="checkbox"/>	<input type="checkbox"/>
API/A/13483		CHN		LUNAR CTDRS-2	NGSO		123545294		<input type="checkbox"/>	<input type="checkbox"/>

Publication card:

BR IFIC - Space - Publication Card

CR/C/6031

Notice ID
123520094

Satellite name
INSAT-NAV-GSO4(32.5E)

Notifying administration
IND

IGSO

Earth station name

Orbital position
32.5E

Select all

Publication

Technical data

AP8 result

TSUM

[Download as ZIP](#)

6.2. Download items as zip

The list of publications can be filtered based on different criteria.

All files related to this list (regulatory publications and technical data) can be downloaded in a zip file.

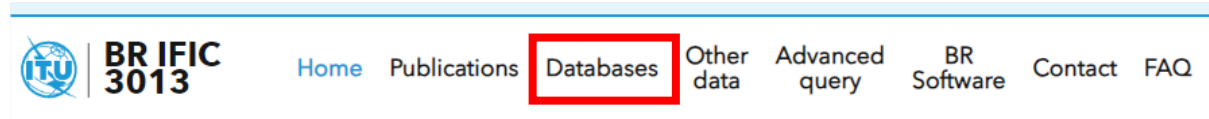
Table view Card view [Save list as CSV](#) [Download items as ZIP](#)

Special Section / Part	Plan part	Notifying administration	IGSO	Satellite name	Orbital position	Earth station name	Notice ID		Publication Select all	Technical data Select all
CR/C/6028		USA		USASAT-30M		NGSO	123520091		<input type="checkbox"/>	<input type="checkbox"/>
CR/C/6029		IND		INSAT-NAV-GSO4(129.5E)	129.5E		123520092		<input type="checkbox"/>	<input type="checkbox"/>
CR/C/6030		IND		INSAT-NAV-GSO4(83E)	83E		123520093		<input type="checkbox"/>	<input type="checkbox"/>

The structure of the download zip file is the following:

- Brific-space-xxxx
 - Ific_publications
 - Type of regulatory publication
 - Databases
 - Type of technical data

7. Databases



The Bureau publishes in this section the latest version of the different databases. For each database, an explanation and a download button with the indication of its size is available.

Databases

BR IFIC The BR IFIC database file contains the AP4 data of satellite networks (non-planned space services), Earth stations or Radioastronomy stations published in the current BR IFIC. Read PDF ↗ Download MDB (17 Mb)	SRS The Space Radiocommunication System (SRS) database file contains the AP4 data of all satellite networks (non-planned space services), Earth stations and Radioastronomy stations. Read PDF ↗ Download MDB (486 Mb)	GIMS The GIMS database file contains the graphical data for the Complete Graphical Interference Management System. Read PDF ↗ Download MDB (809 Mb)
AP30/30A The Space Plans Systems (SPS) database file contains data for assignments in the Appendix 30/30A Plans, Lists and those of pending Articles 2A & 4 networks and Resolution 49 information. Read PDF ↗ Download MDB (73 Mb)	AP30B The Appendix 30B database file contains data for the allotments in the Plan, assignments in the List and those of pending Article 6 networks and Resolution 49 information. Read PDF ↗ Download MDB (26 Mb)	SRS-RES 35 The SRS-RES 35 database file contains all the information published in the BR IFIC about the deployed space stations under Resolution 35 (WRC-19). Read PDF ↗ Download MDB (372 Kb)

Files providing information on the different database are also available in this section.

Files providing information on the different databases

SNS V9.1 This file provides the details relating to the contents of the SNS data items published in Part I-S, II-S, III-S and the Special Sections of the BR IFIC. Read PDF ↗	SNS V9.1 - Changes This file shows the SNS Database changes of the version 9.1, finalizing the implementation of WRC-19 Decisions. Read PDF ↗	SNS V9.1 - Diagram This file shows the schema of the Space Network System (SNS) Database, version V9.1.0. Read PDF ↗
Appendix 8 examination The results of Appendix 8 examination of Geostationary Satellite Networks (for Non-planned satellite services) are published in the BR IFIC. Read PDF ↗	EPFD examination The data for Article 22 examination with respect to compliance with equivalent power flux density limits for non-geostationary satellite systems in fixed-satellite service are published in the BR IFIC. Read PDF ↗	IFIC archive This link provides access to all the BR IFIC database files (Space services) published in previous BR IFIC. Discover more ↗
Data items description This file provides a description of the data items used in the Publications (Parts and Special Sections). Read PDF ↗	Removal This file provides explanation on the removal of obsolete information on Advance publication information and Requests for coordination. Read PDF ↗	SpaceCom draft This file provides explanation on the list of Spacecom Draft database files for AP30*/E Part D Special sections and AP30-30A/F/D Special sections. Read PDF ↗

8. Other data

ITU BR IFIC 3013 Home Publications Databases **Other data** Advanced query BR Software Contact FAQ

Other data

[Technical data](#) [SNS Removal](#) [SpaceCom Draft](#)

The Bureau publishes in this section the list of technical data, the SNS-removal list and the SpaceCom draft database.

Please refer to paragraph 4 of this document for the explanation of the types of technical data.

Technical data SNS Removal SpaceCom Draft

Filters Reset all filters ×

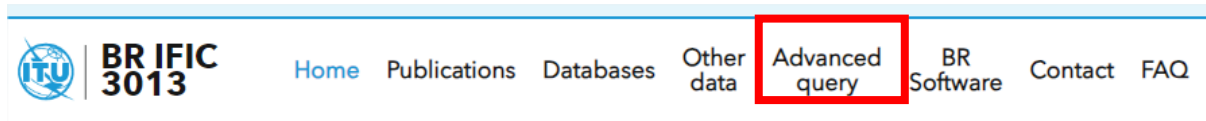
Data type

Type to filter... ×

Table view Card view Download items as ZIP

Notice ID	Satellite Network Name	Orbital position	Notifying administration	IGSO	Special Section / Part	Data type	Technical data Select all
123520095	BALKAN_C	NGSO	BUL		CR/C/6032	EPFD input	<input type="checkbox"/>
123520095	BALKAN_C	NGSO	BUL		CR/C/6032	TSUM	<input type="checkbox"/>
116520349	H2M-0.5E	0.5E	D		CR/C/4247 MOD-3	TSUM	<input type="checkbox"/>
123559015	HISPASAT-3-58.5W	58.5W	E		AP30B/A6A/725	AP30B result	<input type="checkbox"/>
114520192	INSAT-KA74E	74E	IND		CR/C/3659 MOD-4	TSUM	<input type="checkbox"/>

9. Advanced queries



Please note that the queries are not available on the desktop application, the BR software BRSIS-SpaceQry should be run on a local PC.

Queries on the data of the publications are developed in this menu.

The queries are limited to the non-planned bands and to the data published in the relevant BRIFIC. In case of a modification, the queries will take into account only the modified data.

The queries do not take into account general publications, such as bringing into use, suspension, suppression, etc..., which do not modify the interfering situation.

9.1. Affected administrations

Affected administrations Affected networks Interfering Networks

The administration affected by coordination request

For coordination purpose, this query displays the list of affected administrations, upon a given satellite network. Only the networks published as CR/C publications initiating or modifying the list of affected administrations can be selected, which excludes the following publications: suppression, change of general information. The query result is limited to the current IFIC.

Search Criteria **1** **2** Search Satellite

CANGYU-2 ×

Notice ID: 122520178 Satellite name: CANGYU-2 Type of notice: C
IGSO: Orbital position: 37.2E Notifying administration: CHN

Filters Reset all filters ×

Coordination provision Affected administration IGSO Geographical area

Type to filter... × Type to filter... × Type to filter... × Type to filter... ×

Table view Card view Save list as CSV

Coordination provision	Agreement status	Affected administration	IGSO	Geographical area
9.13	F	CAN		
9.13	F	CYP		
9.13	F	D		

By selecting a satellite network, the query displays the list of affected Administrations.

- Type a satellite name and click on [Search satellite] to display the relevant publication and the list of affected administrations.

Only publications of the relevant BRIFIC which modified the list of affected Administrations can be selected.

9.2. Affected networks

The networks affected by coordination request

For coordination purpose, this query displays the list of affected networks, upon a given satellite network. Only the networks published as CR/C publications initiating or modifying the list of affected networks can be selected, which excludes the following publications: suppression, change of general information. The query result is limited to the current IFIC.

1 Search Criteria **2**

INSAT-NAV-GSO4(83E) × [Search Satellite](#)

Notice ID: 123520093 Satellite name: INSAT-NAV-GSO4(83E) Type of notice: C
 IGSO: Orbital position: 83E Notifying administration: IND

Filters [Reset all filters](#) ×

Coordination provision Affected administration IGSO

Type to filter... × Type to filter... × Type to filter... ×

Table view Card view [Save list as CSV](#)

Coordination provision	Agreement status	Affected administration	IGSO	Satellite name	Orbital position	Type of notice	Notice ID	Causing interference	Receiving interference
9.13	F	CHN		CENTISPACE-1	NGSO	C	118520162		
9.13	F	CHN		CENTISPACE-2	NGSO	C	118520283		
9.13	F	CHN		CENTISPACE-3	NGSO	C	120520264		

By selecting a satellite network, the query displays the list of affected networks.

- Type a satellite name and click on [Search satellite] to display the relevant publication and the list of affected networks.

Only publications of the relevant BRIFIC which modified the list of affected networks can be selected.

9.3. Interfering networks

Advanced query

Affected administrations **Affected networks** **Interfering Networks**

Networks potentially interfering with networks of my administration

For coordination purpose, this query displays the list of the networks which need interference protection from the given administration and optionally intergovernmental organization. These networks are limited to the current IFIC, and to the publications relevant to the interference situation, which excludes the following publications: suppression, confirmation of bringing (back) into use, suspension, withdrawal, change of orbital parameters, change of general information.

1 Search Criteria **2**

CHL × Restrict search with a satellite organization (optional) × Search

Filters Reset all filters ×

Type of notice	Satellite name	Notifying administration	IGSO
Type to filter... ×	Type to filter... ×	Type to filter... ×	Type to filter... ×

Table view Card view Save list as CSV

Type of notice	Special Section / Part	Satellite name	Notice ID	Earth station name	Coordination provision	Agreement status	Notifying administration	IGSO
C	CR/C	NSS-G9-176E	123520096		9.11	P	HOL	
C	CR/C	NSS-G9-176E	123520096		9.14	P	HOL	

1 - 2 of 2 items

By selecting an Administration / Intergovernmental Organization satellite network, the query displays the list of networks interfering with the Administration.

- Type an Administration and (Intergovernmental Organization) and click on [Search] to display the list of interfering networks.

Only Administrations identified in a publication of the relevant BRIFIC can be selected.

Only publications which modify the interference situation are displayed.

10. BR software

The BR software applications are available on the website of the Bureau: <https://www.itu.int/ITU-R/go/space-software/en>.

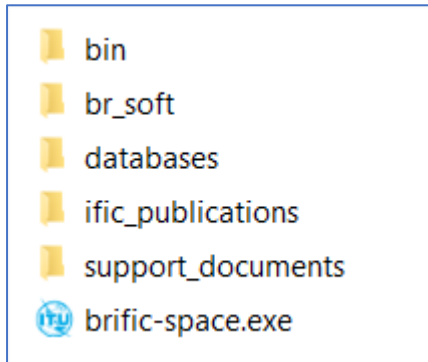
The previous versions of the applications are also available on the Archives page: <https://www.itu.int/en/ITU-R/software/Pages/archives.aspx>.

11. ISO file and DVD-ROM

The desktop application should be launched by clicking on the file brific-space.exe.

All files, documents and databases are available using the desktop application.

The structure of the DVD-ROM is the following:



Directory br_soft: BR software applications

Directory databases: technical data (see section 6) and databases

Directory ific_publications: Regulatory publications (Special sections and Parts)

Directory Support_documents: the Preface to the BR IFIC (Space services)