Space BR-IFIC and Preface
Once upon a time, there was a **WIC on paper and microfiche**... and **RESOLUTION 30 (WRC-97) Publication of the WIC**...

- In Circular Letter **CR/134** dated 22 December 1999, the Bureau informed administrations of the development of a new CD-ROM publication, the BR International Frequency Information Circular **BR IFIC** (Space services) as of BR IFIC **2410/11.01.2000**
- This new publication, developed by the Bureau pursuant to Resolution **30 (WRC-97) (which has been deleted by WRC-2000)**, replaced the previous publication of the Weekly Information Circulars (**WICs**) and special sections on paper and microfiche.
- Due to the substantial increase of the volume of information to be published, the technological progress and software evolution and to provide more relevant and useful information to administrations, the Bureau has changed the format of the BR IFIC (space services) from **CD-ROM** to **DVD-ROM** as of BR IFIC **2710/10.01.2012**
- For more information see BR Circular Letter **CR/327** dated 26 October 2011
The BR International Frequency Information Circular (Space services) (BR IFIC) is a service document in DVD-ROM format, published once every two weeks by the Bureau in accordance with provision Nos. 20.2 to 20.6 and No. 20.15 of the Radio Regulations (RR).

As from BR IFIC 2410 of 11 January 2010, the BR IFIC (Space services) represents the sole publication format for Space services, for submissions under the relevant provisions and Resolutions of the Radio Regulations including Articles 9 and 11, and Appendices 30, 30A and 30B of the Radio Regulations.

The BR IFIC represents an official acknowledgement of receipt, in terms of No. 11.28 of the RR (PART I-S), as far as the frequency assignments to the Space services are concerned, as well as a statutory publication of the particulars of frequency assignments to the Space services which are recorded in the Master Register pursuant to the relevant provisions of the RR (PART II-S), or returned to administrations as a result of unfavorable findings (PART III-S).
BR IFIC DVD-ROM (Space services) continues to include the following data files: `IFICxxxx.mdb` - `SPS_ALL_xxxx.mdb` together with examination results - `30B_xxxx.mdb` together with examination results - `SpaceCom draft`.

The BR IFIC DVD-ROM (Space services) is also used to distribute software developed by the Bureau relating to the electronic notification and carrying out validation and technical examination, especially `SpaceCap`, `SpaceVal`, `SpacePub`, `SpaceQry`, `SpaceCom`, `GIMS`, Appendix 7, `GIBC`, `SPS` and `SAM`.

The complete Space Radiocommunication Stations (SRS) reference database and the complete graphical data (GIMS) related to satellite networks are now available on the new BR IFIC DVD-ROM (Space services).

**NOTE** - Users are no longer requested to make an *incremental update* of its “local” SRS and GIMS database using the `IFICxxxx.mdb` and `gupdate.mdb`.
### BR IFIC 2715

**International Frequency Information Circular (Space Services)**

**20.03.2012**

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#### BR IFIC Publications

- Databases
- As received (Res. 55)
- Preface
- Cost Recovery
- BR Software
- BR Circular Letters

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- **Special Sections**
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BR IFIC Main Features 1

- All publications are in 6 languages of the Union (originally from 10.01.2000 in English, French, Spanish and as of 01.01.2005 also in Arabic, Chinese and Russian language)

- Printing
  - Starting with BR IFIC 2548/12.07.2005, all BR IFIC publications (Parts and Special sections) contains a mark - ITU logo at the bottom right of each page - this mark shall identify an official ITU publication:

NOTE:
The only official regulatory reference for coordination/consultation between the administrations is the corresponding Part or Special section contained in PDF format in the BR IFIC DVD-ROM
Other items distributed on the BR IFIC

- IFIC data
- SRS Data
- GIMS data
- Space Plans Systems (SPS) database
- CR/D and AP30*/D **Draft data**
- List of Cost Recovery invoices and Status
- List of "As Received" Notices
- Space Network List - SNL (Quarterly)
- BRsoft
- The Preface (Space services)
BR IFIC DVD-ROM “explorer” structure

- AsReceived
  - Coordination_requests
  - Notification_of_earth_stations
  - Notification_of_space_stations
  - Space_plans_AP30_and_30A
  - Space_plans_AP30B
  - Specific_earth_stations

- BR_Soft
  - AP7Capture
  - dat
  - GIBC
  - GIMS
  - GimsLib
  - IDWM
  - IWRocket
  - SAM
  - SpaceCap
  - SpaceCom
  - SpacePub
  - SpaceQry
  - Spacerefdb
  - SpaceVal
  - SPS
  - SRSConvert
  - SRSFixdb

- IFIC_Publications
  - AP30
  - AP30-30A
  - AP30A
  - APIA
  - APIB
  - CRC
  - CRD
  - PART_III5
  - PART_IIS
  - PART_I5
  - RES4
  - RES49

- Databases
  - GIMS_Data
  - IFIC_Archive
  - IFIC_Data
  - SpaceCom
  - SpacePlans
  - SRS_Data
The ificxxxx.mdb file (MS Access format), published on the BR IFIC, is located in the Databases\IFIC_data directory.

This file contains only TSUM data of:

- Part-IS, Part-IIS and Part-IIIS
- Special Sections:
  API/A (as of IFIC 2464/05.03.2002)
  CR/C (as of IFIC 2460/24.01.2002)
  RES49 (as of IFIC 2553/20.09.2005)

if they are present in the TOC of the BR IFIC.
The `srs.mdb` file (MS Access format) published on the BR IFICxxxx (Space services) DVD-ROM is located in the `Databases\SRS_Data` directory.

This file contains *complete* alphanumeric information relating to satellite networks and Earth stations recorded in the Master International Frequency Register (MIFR) in accordance with Article 11 or in the process of coordination, in accordance with Section II of Article 9 or published under the advance publication of information procedure (API) in accordance with Section I of Article 9 of the RR as well as Administrative Due Diligence (*Resolution 49)*.

The information in the `srs.mdb` file is a snapshot of the MIFR taken at the time the BR IFICxxxx DVD-ROM was produced.

The SRS database structure is described in detail in Section III, Chapter 1 of the *Preface*.
The Bureau now publishes the complete GIMS reference database (REFDB) on each BR IFIC DVD-ROM rendering obsolete the previous GIMS incremental update process.

GIMS, users can choose whether to leave REFDB on the master folder, i.e. the DVD-ROM, or to work with a local copy on their PC.

REFDB Automatic Update

- Every time GIMS needs to connect to a local REFDB copy it checks in the master folder to see if a newer version of REFDB is available.
- If the master folder is not accessible, which can frequently happen when it is located on the BR IFIC DVD-ROM, the local copy is considered up to date. Otherwise GIMS compares the local and master copies to decide whether an update is required.
Data for Planned Space Networks (Appendices 30, 30A & 30B)

- The technical characteristics and reference situation (EPM) for Planned networks can be found in the:
  - `/data/SpacePlans/SPS/` directory for AP30 & 30A
  - `/data/SpacePlans/AP30B/` directory for AP30B

- The MSPACEg output database for each network can be found in the `/data/SpacePlans/MSPACEg_results/` directory. This database (MS-Access) contains the detailed results of MSPACE calculation.
List of Cost Recovery invoices and status

BR IFIC 2715
International Frequency Information Circular (Space Services)
20.03.2012

Cost recovery
Free entitlement
Invoices issued
Overdue invoices
**List of information “as received”**

**RES55 (WRC-07) in its**

- *instructs the Radiocommunication Bureau*

  - to make available coordination requests and notifications, “as received”, on its **BR IFIC DVD-ROM**, within 30 days of receipt, and also on its website - **SNL Part C**
    
    [http://www.itu.int/ITU-R/space/snl/](http://www.itu.int/ITU-R/space/snl/)

  - **Note**: This advance version of the information received from the Administrations is not to be confused with the official publication of the relevant Part or Special section, which is yet to occur.
List of information “as received” (2)
List of information “as received” (3)
(distributed on the BR IFIC xxxx)

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The Space Network List (SNL) is a list of basic information concerning planned or existing space stations, Earth stations and radio astronomy stations.

On a quarterly basis, the complete Space Networks List (SNL) is annexed to the BR IFIC (Space Services) DVD-ROM.

It contains 14 sections and has been prepared with a view to informing Administrations in a comprehensive manner of planned or existing space stations and Earth stations giving

- information on the use of the frequency spectrum;
- the occupancy of the geostationary orbit, as well as;
- on non-geostationary orbits.

To facilitate further technical analysis, each Section is also provided as a delimited text file (*.CSV)

SNL online http://www.itu.int/ITU-R/space/snl/
BR IFIC (Space Services) – BRsoft

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


**Annual BR WIC and BR IFIC (Space services) Collection on DVD**

- **ALL** reference Special Sections and PARTs related to Space services in PDF format as of **WIC 639/16.02.1965** (SAT 1 Special section)
- It contains PART I-S published from the year 2000
- It contains all PART II-S and PART III-S published from the year 1993
- It contains CR/C publication with the TSUM accessible by a link in the bookmark of the corresponding publication
- Direct link to **SNS online**
- Direct link to **IFICxxxxx.mdb**
Annual BR WIC and BR IFIC (Space services) on DVD-ROM

- From year 2005 this DVD-ROM is issued once a year (next one in March 2013)

- **New features**
  - 6 Language option (E/F/S/A/C/R)
  - Quarterly update of the Annual publication database (SNL Quarterly Report - Part B)

- For more information see: CR/235

- Sales info - Publication notice 373
  - The complete collection 1965 to 2007 – 5 082 CHF
  - Annual collection – 500 CHF
  - [http://www.itu.int/pub/R-SP-LN.IW-2012](http://www.itu.int/pub/R-SP-LN.IW-2012)
The Preface (Space services)

- This folder contains the complete Preface (Space Services) in six languages (English, French, Spanish, Arabic, Chinese and Russian) or see:

http://www.itu.int/ITU-R/go/space-preface/en
The Preface (Space services)

- **Contains 4 Sections**

  - **Section I** - General
  - **Section II** - Description of the BR IFIC and the Space Radiocommunication Stations (SRS)
  - **Section III** - Description of the Space Networks System (SNS)
  - **Section IV** - Reference Tables
SECTION II - Description of the BR IFIC and the Space Radiocommunication Stations (SRS) on DVD

- Chapter 1 - BR IFIC (Space Services)
  - Definition of the BR IFIC
  - Part I-S, Part II-S and Part III-S
  - Appendix and Annex to the BR IFIC
  - The Special Sections - currently in use
  - The Special Sections – discontinued

- Chapter 2 - Cover pages of the Part I-S, II-S, III-S and the Special Sections currently in use

- Chapter 3 – SRS description
SECTION III - Space Networks System (SNS)

- Chapter 1 - 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

SECTION IV - Reference Tables

- Table 1A - Codes Designating Notifying Administrations
- Table 1B - Codes Designating Countries or Geographical Areas
- Table 2 - Intergovernmental satellite organizations
- Table 3 - Class of Station (data item C4a)
- Table 4 - Nature of Service (data item C4b)
- Table 5 - Symbols used to indicate the polarization (data item C6a)
- Table 6 - Radio astronomy station antenna characteristics (data item B6)
SECTION IV - Reference Tables continues

- Table 7 - Antenna radiation reference pattern (data item B3e/B4a/B4b or B5c2 or C10c4a)

- Tables 8 – 10 - **Numbers not used**

- Table 11A - **Symbols used for coordination and agreement** (data item A5/A6) (coordination phase)

- Table 11B - **Symbols used for coordination and agreement** (data item A5/A6) (notification phase)

- Table 12A/12B - **Responsible administrations** (data item A3b), operating agencies (data item A3a) and postal and telegraphic addresses of the administrations responsible for the stations
SECTION IV - Reference Tables continues

- Table 13A1 - Finding reference - Conformity with the Radio Regulations - symbols used in column 13A1

- Table 13A2 - Finding reference - Conformity with the procedures relating to coordination with other administrations or conformity with a Plan (world or regional) - symbols used in column 13A2

- Table 13A3 - Finding reference - Technical examination - symbols used in column 13A3

- Table 13A4 - Finding reference - Conformity with RES-49 - symbols used in column 13A4
SECTION IV - Reference Tables continues

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- Table 13B2 Remarks concerning Findings - symbols used in column 13B2

- Table 13B3 Date relating to a review to be made - symbols used in column 13B3

- Table 13C Remarks - symbols used in column 13C