

# BR IFIC and Preface (Space Services)


Bangkok, Thailand  
28 -30 September 2010

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# Introduction

- **RESOLUTION 30 (WRC-97) Publication of the WIC...**
  - **1.** that the publication of the Weekly Circular (WIC) and the special sections on paper and microfiche, as well on diskette, be migrated to a CD-ROM format;
  - **2.** that this publication be fortnightly;
- *instructs the Director of the Radiocommunication Bureau*
  - **1.** to initiate the introduction of a CD-ROM format for the publication of the Weekly Circular including the special sections;
  - **3.** to provide an index of Parts I, II, III and the special sections printed on paper, for those administrations requesting it;
  - **5.** to make the data also available on TIES by remote electronic access on a subscription basis;
- **Based on the BR positive report, WRC-2000 approved deletion of RESOLUTION 30 (WRC-97).**

# IFIC Main menu



International  
Telecommunication  
Union

**BR IFIC 2616 / 01.04.2008**  
**Space Services**

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

**Contents of the BR IFIC**

Browse the Contents by Parts

PART I-S — PART II-S — PART III-S

Browse the Contents by Special Sections

RES4 — API/A — RES49 — API/B

CR/C — CR/D

AP30A — AP30B — AP30 — AP30-30A

Preface — Draft CR/D, AP30\*D

Databases — "as received" (RES 55) — Cost Recovery

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Русский

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## IFIC Description (1)

- In **CR/134** the Bureau informed all Administrations about the development of a new CD-ROM Publication, the “**BR International Frequency Information Circular**” - **BR IFIC (Space Services)**.
  - This Publication handles **6** multiple languages - English, French, Spanish and **as of 01.01.2005 also in Arabic, Chinese and Russian language**.
  - The transition of the WIC (Space Services) to the BR IFIC (Space Services) was effected as at the end of December, 1999.
  - As of 11 January 2000, the BR IFIC 2410 CD-ROM represents the sole publication format for stations in the Space Services - Articles **9** and **11** of the RR, as well as those that are submitted under the relevant provisions of the Radio Regulations or which are subject to the Appendices **30**, **30A** and **30B** Plans.
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## IFIC Description (2)

- 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 unfavourable findings (PART III-S).
    - As of IFIC 2598/10.07.2007 - each space station or earth station notice is published in a separate PDF file (see CR/273)
  - Please note, that the BR IFIC is published every two weeks; the expiry date for comments is counted as from the publication date, which normally coincides with the date of dispatch of the relevant publication to administrations.
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# IFIC Main Features (1)

## ■ Printing

- Starting with BR IFIC 2548/12.07.2005, all BR IFIC publications (Parts and Special sections) will contain a mark - ITU logo:



at the bottom right of each page. This mark shall identify an official ITU BR (space services) publication (Part or Special section).

- **Please note: As some information may be missing or has changed at the time you print the Part or a Special section with SpacePub using the IFICxxxx.mdb or SRS.mdb, the resulting print cannot be considered as an official ITU BR (space services) publication.**
- **The only official reference is the corresponding Part or Special section contained in PDF format in the BR IFIC CD-ROM.**

## IFIC Main Features (2)

- **Printing** (in PDF format)
  - per Special section or
  - the complete set of all Special sections
- **As of 3 September 2002 (BR IFIC 2477), the format of the CR/C/.... Special Sections has been changed as follows:**
  - The detailed characteristics – Transaction Summary (TSUM) of the network, which exist in database format in the IFICXXXX.MDB file, is no longer included in the PDF version of the CR/C/
  - This information can be easily accessed by using SpaceQuery and SpacePub software packages and printed out in the desired format.



## Other items distributed on the BR IFIC

- IFIC data (MS Access Database)
- GIMS data – **incremental update**
- 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 and Beta BRSoft
- The Preface (Space services)



## BR IFIC CD-ROM "explorer" structure

S\_IFIC\_2631 (D:)

- Acrobat
- backlog
- BR\_soft
- Data
- Gimsdb
- Index
- licence
- pdf
- preface
- Utils

- pdf
  - AP30
  - AP30-30A
  - AP30A
  - AP30B
  - APIA
  - APIB
  - Cirlet
  - Cost recovery
  - CRC
  - CRD
  - description
  - help
  - PART\_IIIS
  - PART\_IIS
  - PART\_IS
  - PRINT

- backlog
  - ap30-30a
  - ap30b
  - cr
  - nearth
  - nspac
  - specific
- BR\_soft
  - GIMS
  - IDWM
  - IWRocket
  - MDAC
  - SpaceCap
  - SpaceCom
  - SpacePub
  - SpaceQry
  - Spacerefdb
  - SpaceVal
  - SPS
  - SRSConvert
  - SRSFixdb
- Data
  - Ific\_data
  - SpaceCom\_data
  - SpacePlans

- The **ificxxxx.mdb** file (MS Access format), published on the BR IFIC CD-ROM, is located in the “**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 IFIC**

## ■ 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/](/data/SpacePlans/MSPACEg_results/) directory. This database (MS-Access) contains the detailed results of MSPACE calculation.

## GIMS Data -**incremental update**

- You should install GIMS ver 3.4 or above **from the SRS on DVD** to profit from the GIMS reference database **incremental update** that have been started as of **IFIC 2504/07.10.2003**.
- To make sure the GIMS reference database may be updated, you should install it **locally from the SRS on DVD**. This option is proposed during the GIMS installation program.
- *After a new SRS on DVD release, the incremental update database on the BR IFIC CD-ROM is cleared and will be filled again until the next SRS on DVD.*

# CR/D, AP30\*D draft (1)



International  
Telecommunication  
Union

**BR IFIC 2616 / 01.04.2008**

**Draft CR/D, AP30\*D**

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



**CR/D Draft**

**AP30\*/E  
Part D Draft**

**AP30-30A/F/D  
Draft**

English

عربي

中文

Español

Français

Русский

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## CR/D, AP30\*D draft (2)

### ➤ CR/D

- In order to assist the *notifying ADM responsible for the satellite network* published in a CR/C special section and the Bureau in completing its task under No. **9.53A**, the following approach has been developed and included in the SpaceCom software package.
  - After expiry of the deadline for comments, the Bureau will make available a **draft CR/D database** *per network* located in BR IFIC CD-ROM folder at **/Data/SpaceCom data**. This database is containing a listing of ADM, which have submitted a disagreement under No. **9.52** within the regulatory four-month time limit.
- For more information: see CR/193 of 23 May 2003 and CR/185 of 20 December 2002.

### ➤ AP30\*D

- Similar to the comments under No. **9.52**, the Bureau will make available a draft AP30(30A)/E Part D or AP30-30A/F/D database per satellite network
  - For more information see CR/269 of 27 March 2007.
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# List of Cost Recovery invoices and status



UNION INTERNATIONALE DES TELECOMMUNICATIONS  
BUREAU DES RADIOCOMMUNICATIONS

INTERNATIONAL TELECOMMUNICATION UNION  
RADIOCOMMUNICATION BUREAU

UNIÓN INTERNACIONAL DE TELECOMUNICACIONES  
OFICINA DE RADIOCOMUNICACIONES

**FACTURES AU TITRE DU RECOUVREMENT DES COÛTS POUR LE TRAITEMENT DES FICHES DE NOTIFICATION DES RÉSEAUX À SATELLITE**  
**COST RECOVERY INVOICES FOR SATELLITE NETWORKS FILINGS**  
**FACTURAS RELATIVAS A LA RECUPERACIÓN DE COSTOS DE TRAMITACIÓN DE LAS NOTIFICACIONES DE REDES DE SATÉLITE**

<u>INDEX</u>	<u>INDEX</u>	<u>ÍNDICE</u>
Factures établies en 2007/2008	Invoices issued in 2007/2008	Facturas enviadas en 2007/2008
Factures établies en <b>2007/2008</b> dont la date de paiement est arrivée à échéance	Invoices issued in <b>2007/2008</b> which are overdue	Facturas enviadas en <b>2007/2008</b> que no han sido pagadas
Réseaux à satellite admis au bénéfice de la <b>franchise</b>	Satellite networks nominated as <b>free entitlement</b>	Redes de satélite que han sido designadas para beneficiar del derecho a la publicación <b>gratuita</b> anual
Factures établies conformément à la Décision <b>545</b> (Conseil, 2007)	Invoices issued in accordance with Decision <b>545</b> (Council 2007)	Facturas enviadas de conformidad con el Acuerdo <b>545</b> (Consejo, 2007)



## List of information "as received" (1)

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

- *instructs the Radiocommunication Bureau*
  - to make available coordination requests and notifications, "as received", on its **BR IFIC CD-ROM**, within 30 days of receipt, and also on its website;
  - **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)



**BR IFIC 2616 / 01.04.2008**  
**Space Services**

**RES 55 (Rev. WRC-07)**  
**List of information “as received”**  
**in application of the Resolution 55**

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



Specific GSO FSS  
receive  
Earth Stations  
RES 58 (WRC-2000)

Coordination Request  
(ART 9)

Notifications  
Space Stations  
(ART 11)

Space Plans AP 30B

Notifications  
Earth Stations  
(ART 11)

Space Plans AP 30/30A

[Home](#)

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# List of information "as received" (3) (distributed on the current BR IFIC xxxx)

NOTICES (COORDINATION REQUESTS) RECENTLY RECEIVED UNDER ARTICLE 9 بطاقات (طلبات تنسيق) تم استلامها حديثاً بموجب المادة 9 根据第9条近期收到的 (协调请求) 通知 NOTIFICACIONES (PETICIONES DE COORDINACIÓN) RECIBIDAS RECIENTEMENTE CON ARREGLO AL ARTÍCULO 9 FICHES DE NOTIFICATION (DEMANDES DE COORDINATION) RÉCEMMENT REÇUES AU TITRE DE L'ARTICLE 9 ЗАЯВКИ (ЗАПРОСЫ О КООРДИНАЦИИ), ПОЛУЧЕННЫЕ НЕДАВНО, СОГЛАСНО СТАТЬЕ 9	
BR IFIC / DATE النشرة الإعلامية الدولية للترددات / رقمها وتاريخها 无线电通信局国际频率信息通报 / 日期 BR IFIC / FECHA BR IFIC / DATE ИФИК БР / ДАТА	2616 / 01.04.2008

(Explanatory Notes / ملاحظات توضيحية / 注释 / Notas explicativas / Notes explicatives / Пояснительные замечания)

NTC_ID	AMS	ADM	NTWK_ORG	SAT_NAME (Link to files)	LONG_NOM	D_RCV
108520069	A	CAN		CASCADE-CX	NGSO	12.03.2008
108520068	A	INS		TELKOM-3EK	118.00	11.03.2008
108520067	A	G		IOMBSN-A	-115.00	07.03.2008
108520070	A	IND		INSAT-NAV(131.5)	131.50	13.12.2007

The list of pending requests is available on نرد قائمة الطلبات التي ما زالت في الانتظار على الموقع 国际电信联盟 La lista de peticiones pendientes es disponible en La liste des demandes en attente est disponible Перечень рассматриваемых запросов представлен на	<a href="http://www.itu.int/itu-r/space/snl/">http://www.itu.int/itu-r/space/snl/</a>
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## List of information "as received" (4)

Name	Size	Type	Date	Time	Attr
101520092_gibsat-6.gxt.zip	117,077	ZIP File	22.05.2001	14:24	r
101520092_gibsat-6.mdb	3,481,600	Microsoft Access D...	22.05.2001	14:05	r
101520092_gibsat-6.pdf	649,298	Adobe Acrobat Doc...	08.06.2001	17:01	r
101520093_assl_1.mdb	5,001,216	Microsoft Access D...	22.05.2001	14:32	r
101520093_assl_1.pdf	508,855	Adobe Acrobat Doc...	08.06.2001	17:01	r
101520094_assl_2.mdb	2,762,752	Microsoft Access D...	22.05.2001	14:33	r
101520094_assl_2.pdf	514,455	Adobe Acrobat Doc...	08.06.2001	17:01	r
101520095_assl_3.mdb	2,488,320	Microsoft Access D...	22.05.2001	14:33	r
101520095_assl_3.pdf	502,654	Adobe Acrobat Doc...	08.06.2001	17:01	r
101520096_usbud-1.mdb	1,323,008	Microsoft Access D...	30.05.2001	11:09	r
101520096_usbud-1.pdf	235,047	Adobe Acrobat Doc...	08.06.2001	17:01	r
101520097_usbud-2.mdb	1,314,816	Microsoft Access D...	30.05.2001	11:10	r
101520097_usbud-2.pdf	248,812	Adobe Acrobat Doc...	08.06.2001	17:01	r
101520098_usbud-3.mdb	1,314,816	Microsoft Access D...	30.05.2001	11:10	r
101520098_usbud-3.pdf	226,280	Adobe Acrobat Doc...	08.06.2001	17:01	r
101520099_usbud-4.mdb	1,314,816	Microsoft Access D...	30.05.2001	11:11	r
101520099_usbud-4.pdf	219,206	Adobe Acrobat Doc...	08.06.2001	17:01	r
cr_info.pdf	63,122	Adobe Acrobat Doc...	08.06.2001	17:01	r
res55_cr.pdf	94,571	Adobe Acrobat Doc...	08.06.2001	17:01	r

## List of information “as received” (5)

(complete List)

- **WEB** support
  - SNL Part C
    - <http://www.itu.int/ITU-R/space/snl/>
- **FTP** data distribution
  - You can download all Pending “as received” files from the BR FTP area:
    - FTP: [www.itu.int](http://www.itu.int)
    - Username: space
    - Password: brific

# Space Networks List - SNL

- On a quarterly basis, the complete Space Networks List (SNL) is annexed to the BR IFIC (Space Services) CD-ROM.
- **The SNL contains 20 sections. It 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 will also be provided as a delimited text file (\*.CSV)
- **More info:**
  - <http://www.itu.int/ITU-R/space/snl/>
  - **CR/141** and **CR/232**

## BR IFIC (Space Services) – BRsoft

- The **BR software** provided on the BR IFIC CD-ROM will run **only** under the 32-bit MS-Windows operating systems.
  - **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.



## 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 **IFICxxxx.mdb**
-

## Annual BR WIC and BR IFIC (Space services) on DVD

- From year 2005 this DVD is issued once a year (next one in March 2009)
- **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 – 440 CHF

# The Preface (Space services)

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



RADIOCOMMUNICATION BUREAU

## PREFACE

TO THE BR INTERNATIONAL FREQUENCY INFORMATION CIRCULAR BR IFIC  
(Space Services)

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# The Preface (Space services)

- ***Contains 4 Sections***
  - **Section I** - General
  - **Section II** - Description of the BR IFIC and the Space Radiocommunication Stations (SRS) on DVD
  - **Section III** - Description of the Space Networks System (SNS)
  - **Section IV** - Reference Tables

# The Preface (Space services)

## 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 on DVD
-

# The Preface (Space services)

## **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*)
-

# The Preface (Space services)

## **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**
-



# The Preface (Space services)

## **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*

# The Preface (Space services)

## **SECTION IV - Reference Tables** continues

- Table 13B1 Reference to a provision of the Radio Regulations or an Appendix thereto, or a Resolution of a World Radio Conference or a Regional Agreement - symbols used in column *13B1*
  - 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*
-